

Hi-Fi WORLD

MARCH 2002

UK £2.7
Malaysi. Rm1b



Bristol Sound & Vision Show:
EXCLUSIVE
Hi-Fi World/Original
subscription offer

ampur dio

COMING TOGETHER

new flagship loudspeaker -
exclusive review



plus

- System group test
- Living Voice Avatar speakers
- Musical Fidelity A324 DAC
- Rogue Audio M120 power amp
- Arcam FMJ CD23T CD player
- NAD C660 CD recorder

Computer Audio World

- Focusrite's RealJukebox 2 Plus
- Creative's IA-3 audio capture card
- Pioneer's latest CRX175

COMPETITION
We've four Videologic DAB tuners to give away in our superb competition!

MARCH 2002





THE KOMRI. PREVIOUSLY UNHEARD TECHNOLOGY.

This uncompromising full-range loudspeaker is designed to let you hear every pure note and every subtle nuance of the live musical performance captured by the recording.

The Komri five-way loudspeaker utilises newly developed loudspeaker technology for the sub-bass, bass, midrange, high-frequency and super high-frequency drivers. Two completely independent servo controlled bass drivers incorporating Linn's Class-V Active Servo Bass technology drive the lowest frequency range. The four upper range drivers have been mounted closely together in an optimised acoustic array.

To find your nearest Linn specialist where you can experience the Komri for yourself visit www.linn.co.uk or call the Linn Helpline on 0500 888 909.



LINN

Head of the Hitclip, dear reader? Don't worry if you haven't, neither had I until I was browsing through the Saturday supplements (it only used to be the Sunday papers that you brought home with the aid of a weightlifting belt). My eyes sped across the usual gadget pages and came to rest on something that seemed at the time so incomprehensible to me that I had to read all four lines of it again. It made for depressing, and to a certain extent predictable, reading. Apparently the latest "craze" in music listening is in the shape of a postage stamp sized memory card - a "Micro Music Chip" - which is inserted into a marginally larger player from which the listener is treated to exactly sixty second excerpts only of his/her favourite pop stars' (Britney, NSync, etc.) hits with the aid of a single earpiece. It appears music has now downgraded itself to one-minute quick hit sound bytes and in this theoretical sphere the concentration span of children must have sunk to an all time low. Behind the idea are the makers of, amongst other things, the lovable Furby and an interactive Yoda (of Star Wars films' fame). Oh, and not forgetting the intriguingly named Super Poo-Chi...

Apart from the obvious degradation of moving back to mono music on the move, I was more shocked at the price of this highly dubious means of musical edification for the young. The HitClips personal player is available for what seems a reasonable £7.99 from your favourite high street catalogue store but each HitClip will set you back a most unreasonable £3.99. Put this in perspective with other formats: a Playstation II console will set you back at least around £250. Would you then pay £175 for a game you can't finish? Or, slightly more sensibly, would you pay £60 for a portable (stereo!) CD, yet then shell out £30 for a disc containing a one minute blast of each track like a no option 'random intro' selection from Hell? I very much doubt it. The HitClip price seems as preposterous to me as the idea itself.

Or on second thoughts, and price apart, is the idea so preposterous from the music industry's viewpoint? Not being half as daft as we'd like it to be, the music industry is forever finding different ways of making money and protecting their interests, especially in the download age. They hate recording formats for obvious reasons of piracy but they see the consumer's attraction with the portability factor - the smaller the player the better and you can't get smaller than the HitClip at present. Also, that £3.99 sound byte of the latest pop release could well get the nation's youth hankering for more. It's like a bizarre 'What The Butler Saw' situation, just as you're getting into it...time's up! So, how do you satisfy your musical craving? You buy the CD single for your portable player, silly, at a mere £2.99 - a pound cheaper than your HitClip, and if you want even more there's always the album. And before you know it another few quid has gone toward protecting the music industry's interests!

Let's just pray to God some halfwit doesn't decide the format would translate well to the classical market. Imagine a HitClip of the Ring cycle: no sooner would we be crawling on the cold river bed of the Rhine than our precious time would be up...eternal bottom feeders until we shelled out at least £45 for the whole of Das Rheingold. Not even the valves would have time to warm up! ■ ▲



Simon Pope

how we test the products

- Hi-Fi World has its own advanced test laboratory and acoustically treated listening room.
- Hi-Fi World has a dedicated in-house team of experienced listeners. We review thoroughly by extensive auditioning, rather than by quick-fire group listening tests.
- Hi-Fi World's engineering team designs a wide range of products in-house. No other hi-fi magazine is so expert and dedicated.

- £ ——— NICE PRICE - Represents excellent value for money.
- 🌐🌐🌐🌐 EXCELLENT - Superb sound, among the best available.
- 🌐🌐🌐 ——— VERY GOOD - Well worth a listen.
- 🌐🌐 ——— ADEQUATE - Room for improvement.
- 🌐 ——— POOR - Seriously flawed. Forget it!
- 🌐 ——— Half globes are added for those products that we feel are between categories

HI-FI WORLD

SUITE G4, IMEX HOUSE
KILBURN PARK ROAD
LONDON, NW6 5LF

www.hi-fiworld.co.uk

Contact Numbers

Mon-Fri 9am-5pm

Editor

Simon Pope
tel/fax: +44 (020) 8786 8141
e-mail: editorial@hi-fiworld.co.uk

Computer Audio World Editor

David Price
email: editorial@computeraudio.co.uk

Design & Layout Editor

Faiza Chunara
tel: +44 (020) 7625 3129
fax: +44 (020) 7328 1844
e-mail: adproduction@hi-fiworld.co.uk

Production/Photography Editor

David Noble
tel: +44 (020) 7625 3134
fax: +44 (020) 7328 1844
e-mail: classifieds@hi-fiworld.co.uk

Advertising

Amanda Sweeney
tel/fax: +44 (020) 8864 4760
e-mail: advertising@hi-fiworld.co.uk

Accounts

tel: +44 (020) 7625 8054
fax: +44 (020) 7328 1844

Credit Control

Louise Palfrey
tel: +44 (0) 1923 270833
fax: +44 (0) 1923 260588
e-mail: subscriptions@hi-fiworld.co.uk

WORLD AUDIO DESIGN

Technical Manager - Nick Lucas

www.worldaudiodesign.co.uk

tel/fax: +44 (0) 1908 218 836
e-mail: nick@worldaudiodesign.co.uk

Publisher

Noel Keywood
e-mail: publisher@hi-fiworld.co.uk

Private & Trade Classified Ads

tel: +44 (020) 7625 3134
fax: +44 (020) 7328 1844
e-mail: classifieds@hi-fiworld.co.uk

Subscriptions & Back Issues

9:30am - 12:00 noon
tel: +44 (0) 1923 270833
fax: +44 (0) 1923 260 588
e-mail: subscriptions@hi-fiworld.co.uk

Distributed by

Comag Magazine Marketing,
Tavisstock Road, West Drayton,
Middlesex UB7 7QE
Tel: +44 (0) 1895 444 055

Printed by

Southern Print, Dorset
Tel: +44 (0) 1202 622 226

Our Agents in Malaysia

Millennium Hi-Fi & AV
Simon Chang
Showroom & office, 500-1-3 First Floor
Wisma Indah (Shen Court), Jalan Tun Razak
50400 Kuala Lumpur, Malaysia
Tel: 603 9283 8171 Fax: 603 9281 3762
e-mail: info@millennium-audio.com

All unsolicited submissions and goods are at the owner's risk. We accept no responsibility for such submissions, nor do we undertake to return them.

No material may be reproduced from this magazine without the publisher's written permission.
© Audio Publishing Ltd

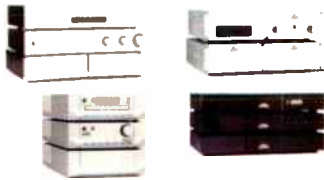


contents

reviews

systems

SEPARATES SYSTEMS GROUP TEST 9



Simon Pope listens to four one brand systems from some of the industry's top dogs. Does it pay to stick to one name? Find out here!

amplifiers

RED ROSE ROSETTE 1 INTEGRATED AMPLIFIER 20



This cute amp is from the new company headed by none other than Mark Levinson. Simon Pope listens in.

ROGUE AUDIO M120 POWER AMPLIFIERS 34



Andy Grove listens to these monster valve amps from the States. Will they be villains or heroes?

HARMAN KARDON HK670 INTEGRATED AMPLIFIER 55



Harman have a history of good value and beefy sounding budget integrations. Will it be the case with the new HK670 Dominic Todd investigates.

loudspeakers

LINN KOMRI 16

This is the new £25,000, 80-plus kilo flagship 'speaker from the Glaswegian stalwarts. David Price handles them with care in this exclusive review!



LIVING VOICE AVATAR 41

These high sensitivity floorstanders feature a d'Apolito driver configuration and high quality crossovers. Simon Pope does the honours.



JM LABS ELECTRA 906 62

Mani Sandher encounters the latest standmounter in the French company's range.



digital source players

ARCAM FMJ CD23T CD PLAYER 38



This is the new top of the range silver disc spinner from Arcam. David Price discovers if it matches the fine performance of its predecessor.

digital recorders

NAD C660 CD RECORDER 50



The famous British hi-fi specialists have their first crack at the CD-R market. Will David Price be impressed?

digital to analogue converters

MUSICAL FIDELITY A324 52



This DAC is the same as the upsampling conversion section that is found in the company's excellent 3D Nu-Vista CD player. Noel Keywood tackles the technology.

vinyl

ORIGIN LIVE ULTRA
TURNTABLE KIT 22



Those of you that are missing your DIY hit can get it here, where David Price puts together the latest turntable kit from Origin Live.

ORIGIN LIVE OL SILVER
RB250 54



This promises to be one of the finest vinyl products of the year as the classic arm gets an upgrade.

accessories

BITS AND PIECES 25
Hi-Fi World highlights three of the latest stocking fillers for all audiophiles.

features

PIONEER FEATURE 76



David Price charts the audio history of the Japanese giant and highlights their future commitment to DVD-Audio

regulars

WORLD NEWS 6

NEXT ISSUE 9

COMPETITION 37



This month we have four fabulous VideoLogic DAB tuners to give away in our bumper competition.

READERS LETTERS 44

Hi-Fi World's team reply to your letters and e-mails.

SUBSCRIPTIONS 61



Hi-Fi World is second to none for news and reviews. Subscribe today!

CLASSIC CUTS 59



Andy Giles this month chooses John Coltrane's 'Giant Steps' as his Classic Cut.

HI-FI WORLD KITS 64

HI-FI WORLD LIBRARY 68

A comprehensive selection of titles covering audio, valve amplifiers, loudspeakers, solid state electronics and more.

OLDEWORLDE 83

COLUMNS 71,73,75

The World team get to grips with issues facing both the industry and hi-fi alike.

SPECIALIST HI-FI
DEALERS 78

Got a problem? - see a specialist.

DIAL-A-DEALER 80

Who sells what, and where to find them.

MEET YOUR MAKER 82

Who makes what, and how to get in touch.

WORLD FAVOURITES 91

Components which we know to be truly worthy of audition.

WORLD CLASSICS 96

Our list of products that have stood the test of time.

MARKETPLACE 99

READERS CLASSIFIED 123

The definitive place to find classic audio components.

ADVERTISERS INDEX 130

computer audio world

REALJUKEBOX
2 PLUS 85

EDIROL'S UA-3 AUDIO
CAPTURE CARD! 87

SONY SCR175 89

world news

▶ HARMAN HANDLES STYLISH JBL RANGE

Here's one for design freaks. Harman Consumer UK have announced that they are to be the sole UK distributor of the JBL TiK Series loudspeakers. The TiK range combines the company's driver, enclosure and crossover technologies with inventive and modern sculptural design, taking loudspeaker looks to the extremes. The range consists of the Ti10K tower, the Ti16K tower, the Ti2K bookshelf model, plus two subwoofers and a centre 'speaker. The use of curved surfaces in the range is intentionally functional as well as aesthetic, avoiding any reflective parallel surfaces. The "bent trapezoid" design consists of just five surfaces, which helps, say the company, to eliminate internal resonance and standing waves. The curvature is apparently achieved by bonding seven layers of MDF under high pressure to form a structure "far more rigid than any wood of comparable thickness."

JBL go on to claim that the TiK series uses possibly the most advanced dome tweeter in the world. This design employs a pure titanium dome placed in a soft surround which they say makes the driver's resonant frequency well outside its operating range.

Each of the Tik range mid/bass drivers is based on an inverted dome, again, of pure titanium which claims to offer near-perfect piston motion. All low frequency drivers are built on a cast aluminium chassis for precise alignment of the cone, magnet and voice coil and for elimination of vibration and ringing in the chassis.

The TiK range is available in natural Beech and Black Ash and also in high gloss finishes of a variety of colours. Prices range from £1250 to £2850 in natural finishes, with high gloss finishes demanding a premium.



Harman Consumer UK
Unit 2 Borehamwood Industrial Park
Rowley Lane
Borehamwood
Herts WD6 5PZ
Tel: 020 8731 4670

▶ ARCAM'S NEW BUDGET SPINNER



Although moving strongly into what Arcam believe is the lucrative AV market, the company is still busy working on mainstay two channel hi-fi products, the latest of which is the entry level CD62 CD player. Priced at £349 it shares many of the high quality components found in the award winning CD72, such as the new Sony mechanism and 24bit Burr Brown DAC. According to Charlie Brennan, Arcam's MD, Arcam "wanted to produce a player that would be the perfect solution for someone who wants to experience a great sound but who doesn't need the extra options and refinements of the CD72." Consequently the CD62 doesn't have the 72's upgrade path to the CD92 which results in a smaller transformer, as no power is needed

for the ring DAC. Intended as a partner for the new A65 integrated amplifier the CD62 is available now in the DiVA range's usual black or silver. Watch out for a review in the very near future!

A&R Cambridge Ltd.
Pembroke Avenue
Denny Ind. Centre
Waterbeach
Cambridge CB5 9FB
Tel: 01233 203200
www.arcam.co.uk

► **A NEW REFERENCE**

Details have reached us of KEF's latest entry level model in the flagship Reference Series. The 201 is the baby of the new generation Reference models and is a stylish bookshelf design. It features the same elliptical titanium 'hypertweeter' and voice coil as the larger Reference models and also the same damped cast aluminium enclosure for the latest generation UNI-Q driver, which features a thermoplastic rubber surround moulded onto the cone. Like the rest of the range, the 201 can be tri-wired and comes with a boundary control device which enables the listener to fine tune the response according to specific room acoustics. Also on the menu are graded and hand soldered oxygen free copper wiring, crossovers with air-cored inductors and high order capacitors.

The 201 is finished in either Maple, Cherry or Black Ash hand matched hardwood veneers and is priced at a penny short of £2000!

KEF Audio Ltd.
Tovil
Maidstone
Kent ME15 6QP
Tel: 01622 672261
www.kef.com



► **CROFT'S ORIGINAL**

Once of the 'sound is the only importance philosophy' Croft have had a re-think. Their top range valve amps now have a stylish new look. Supposedly "inspired by science and nature" Croft have introduced the new Stereolith design in an attempt to give their future customers "exclusive styling" in addition to quality of sound. The Baux fascia is made from a substantial 12mm thick brushed aluminium panel that's available in either silver or gold finishes. The new casework is now made on non magnetic heavy gauge stainless steel.



Although the Stereolith design is intended for the company's flagship products, it can be supplied as an optional finish for the company's entry level and midrange products.

Eminent Audio
18 Kidderminster Road
Bridgnorth
Shropshire WV15 6BX
Tel: 01746 769156
www.eminentaudio.co.uk

► **MF'S MULTICHANNEL MONOBLOCK!**

Musical Fidelity have yet another new amplifier on the market. This time it's the turn of the M250 'multichannel' monoblock. Although designed with multichannel

out feature to accommodate this. Another feature of the M250 is both signal sensing and trigger operation. If no signal has been received by the amplifier for fifteen minutes then the amplifier will automatically switch into standby mode. The trigger circuit is a new design which will sense any DC shift and immediately turn on or off as instructed - the trigger takes preference over the signal sensing circuitry automatically. The M250 is available now priced at £850 each.



Musical Fidelity Ltd.
15-17 Olympic Trading Estate
Fulton Road
Wembley
Middlesex HA9 0TF
Tel: 020 8900 2866
www.musical-fidelity.co.uk

next issue

here's a little taster of what we hope to bring you in April's issue

ARCAM FMJ A32 AMPLIFIER

The new high end integrated from the Cambridge company. Will it compete with the high standards set by the rest of the range?

ELAC 510 LOUDSPEAKERS

These are the standmount versions of the floorstanders we recently praised. Find out what we think in four weeks' time.

AUDIO ANALOGUE MAESTRO

The latest top of the range CD spinner from Italy uses a high quality 24/96 DAC and is built like a Sherman tank. Will it deliver the sonic goods? Find out next month



CYRUS

Advanced Audio and Video Systems

Spitfire Close, Ermine Business Park, Huntingdon, Cambridgeshire, PE29 6XY Tel: +44 (0)1480 435577 Fax: +44 (0)1480 437715 www.cyrusaudio.com

MAKER'S MARK

Simon Pope listens to four one-make separates systems that show real hi-fi needn't be all grey slabs and wires.



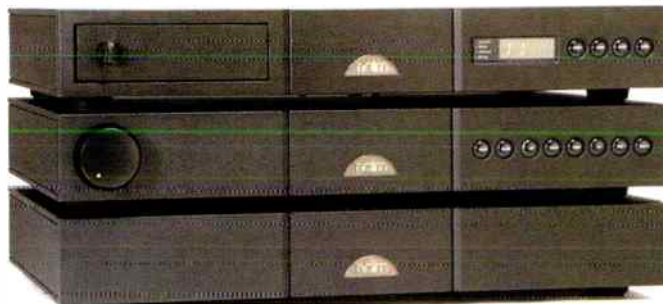
Audio Analogue System



**Audio Note Zero system
(AZ-three 'speakers**



Cyrus 7 system



Naim Series 5 System

Year upon year of upgrading, tweaking, soldering, sawing, repositioning, re-decorating and even re-mortgaging takes its toll upon the exhausted audiophile. There comes a time when many just wish to settle down with something that looks uniform, sounds uniform and doesn't take up the floorspace of a Combined Harvester. When this happens, where do you turn?

Some worry that less space, clutter and ugliness results in commensurately less satisfaction. Well, this isn't so. The new breed of specialist hi-fi simply needn't be a

domestic or sonic embarrassment.

What we often forget to consider, hi-fi often being a mix-and-match hobby, is the fact that manufacturers make their products to sonically and cosmetically blend and some worthwhile products are often ill matched with ancillaries of another make, resulting in an underachieving system! Traditionally reviewers and buyers like the independence and flexibility provided by mix-and-match. Manufacturers on the other hand, typically Linn and Naim, don't like their products to be used outside their own systems. They

have a sound in their head, as it were, and if you share it then you might well be best off buying just from them. Linn and Naim are not the only ones though. Here we've gathered together four, new one-make 'separates' systems and put them to the test. There are three British specialists in the shape of Audio Note, Cyrus and Naim, plus one stylish European in the chic shape of Italy's Audio Analogue. Does system synergy really work in practice? Is it our bucks or our ears that companies are really interested in? Read on...



||> **AUDIO ANALOGUE SYSTEM**
£2275

This stylish Italian system brings together a trio of firm HFW favourites, of which two have been updated with a new design and specification. The Paganini CD player is a totally updated design that replaces the existing model we reviewed a couple of years ago in these pages. The only thing it retains is the name, as the price is up £45 too. Gone is the Sony mechanism, to be replaced by the much acclaimed Philips 'short loader' design. The DAC is a "true" 24/96 Analog Devices AD1855 chip. This means even 16bit/44.1kHz CD code is converted at high resolution, because at the heart of this conversion system is a Crystal Semiconductors sample rate convertor previously used only in professional applications. It sends the CD data into the DAC, which features all-time upsampling where the DAC will constantly give as high a resolution reading as possible from the source disc. Symmetrically placed metal buttons adorn each side of the sleek display and slimline loading drawer.

Controlling the signal we have the tried and tested Bellini preamplifier. This is a fine sounding design with the added bonus of a quality MM/MC internally switchable phono stage which, like the preamp itself, is something of a rarity at the price. Again the PCB is stuffed with high quality components and comes with a striking, weighty metal remote control for volume and input selection.

This leaves the new Donizetti monoblocks, which like the Paganini CD player have had a bit of a makeover. Although the original Donizetti two channel power amplifier is still available, the new monoblock design raises the power output to 100W per amplifier, as opposed to the 60W per channel of the original. In weight to size ratio they are surprisingly heavy due to the use of large toroidal transformers, needed to produce the quoted power. Finish is again superb and is available, should you wish for it, in black as well as silver.

This combination has a thoroughly fluid and lyrical nature to the sound that ultimately benefits 'real music', as my old school master used to say (i.e. classical and the odd bit of jazz). CDs of string section orchestrated Beethoven string quartets (conducted by Bernstein with the Vienna Philharmonic) and Messiaen's orchestral music (Boulez and the Cleveland Orchestra) had plenty of musicality and life. The sound isn't immediate and forward, deliberately, but is highly sophisticated without being sluggish or covered - there's plenty of light to be found at the upper percussive frequencies.

Strings are full bodied, but they sounded a tad thin until a good running in period had transpired, something that is essential. Then, the system proved to be less recording sensitive than the likes of the Audio Note set up. Instruments were in good balance within the overall picture and woodwind were especially spacious and airy.

Jazz in the shape of Sketches Of

Spain and a Blue Note Brazilian compilation sounded fabulous, with a good sense of timing and rhythm, but with the added touch of laid-backness that's so crucial to this music, the mood being communicated equally with the notes - an important factor.

The system also performs rock and pop with conviction, although here it's more in the appealing hi-fi credentials of sound staging and imaging that immediately impress, instead of out and out rhythmic bite. Nevertheless there's plenty of clout on hand here should you wish for it, but the emphasis is on reserve and control. Both Soundgarden's Superunknown and Paul Weller's Stanley Road delivered well in these respects.

This is a highly impressive system, mainly and ironically for the fact that it doesn't immediately impress! I find this happens with the best gear - it's stuff you can live with. Other hi-fi may immediately impress in a demo room, but when taken home will annoy the hell out of you after prolonged listening. Here is a system for the refined music listener - and suffice it to say, headbangers and rave loonies wouldn't necessarily appreciate its somewhat sophisticated manners. I do, however! ■ ▲

Paganini CD player £795
Bellini Remote preamplifier £560
Donizetti mono power amplifier £460 each

UKD
23 Richings Way
Iver, Bucks SL0 9DA
Tel: 01753 652669
www.ukd.co.uk



AUDIO NOTE ZERO SYSTEM £2749 (AZ-three 'speakers £799 extra)

Those who associate the name Audio Note with sky high priced valve amps in the Ongaku mould (£55,000!) will be somewhat surprised to find the total cost of this system just about within the realms of sensible for the average enthusiast buyer.

More than most here this is a system that deserves to be used as a whole. There's no point in using the 8W output monoblocks with a pair of 77dB sensitivity Magneplanar 'speakers, for example! Any high sensitivity loudspeaker of over 91 dB will suffice, providing you can find one as cheap as the AZ-Three! Also, a decent alternative DAC yielded improved results, but I'd stop there. One major factor here separates this system from the rest - the inclusion of valves. The CDT Zero transport uses a fairly standard Sony mechanism and there's plenty inside to take in the audiophile's interest - unlike the fascia, which is amazingly bereft of buttons. Two 'emergency' buttons at the back open the drawer and start the player - so if you loose that remote you're basically stuffed for doing anything fancy.

If you choose the matching DAC, you'll find it a fascinating filterless design, with the company's 1 x oversampling as found in the highly expensive DAC5 Signature. Inside there is an 18bit multibit converter which can work at 44.1 and 96kHz but changes incoming info up to 24bit resolution. When it comes to the

valves there is one 6111WA anode output stage.

Like the digital front end, the pre and power amps are well put together in their midi sized extruded aluminium cases. Again, the finish is available in either silver or black. The M-One R preamp has an attractive fascia which features two rotary knobs, one for volume and the other for selecting one of the four line inputs. There are two sets of preamp outs and a tape loop.

A 6111WA valve is found in the line stage and it uses quality components such as the revered Black Gate capacitors. It comes with its own remote control so to play CD you'll have to use the CD controller in conjunction with it, doing your 'Captain Zapp' impression.

The P Zero power amps feature two ECL82 triode-pentode tubes, much favoured by radio and early TV makers. They give 8W power output when run in Class AB2 mode, and they'll apparently last a good five years at least.

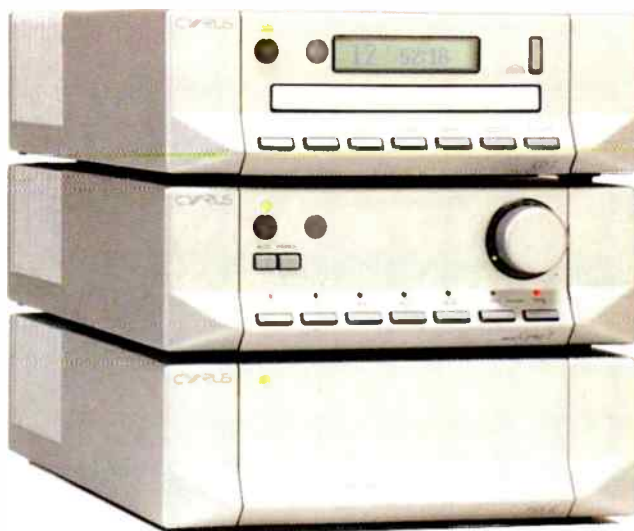
When it comes to sound quality, the Audio Note combo is a real treat if you're into classical in a big way. With the selected Beethoven and Messiaen discs, both fine recordings the Audio Notes delivered a sound that you'd be very hard pressed to equal at the price. The vibrancy of the recordings was wonderfully captured, with ambience and space impressively present. Instrumental tone was near perfect and the staging was deep and realistic - a real eye opener. Indeed, this wasn't so much hi-fi as music making - and there's big difference. The same was found with the Miles

Davis Sketches Of Spain recording. It too had plenty of space and air. Instruments were clear and well rounded and the strings had body and real presence. Where the Audio Note won't impress is with 'bad' compressed rock recordings which become swamped and muddy. This is a very 'snobbish' system and anything mildly inferior will be firmly dealt with - very much in the vein of Audio Note Supremo Peter Qvortrup himself, one of the country's most avid classical record collectors. Consequently Although Paul Weller's Stanley Road was impressive enough with good imaging and drive (it's a fine recording), Soundgarden's Superunknown sounded as though it had been recorded under a wet blanket on a seventies music centre - a real shock as this didn't happen at all with the other three systems. This may be due to the fact that the DAC is basically filterless and will play more or less exactly what it receives.

Despite this peculiarity the Audio Note Zero system is one of the finest music makers around at the price - and one for serious listeners, as long as they have Audio Note or other high sensitivity 'speakers that is! ■ ▲

- CDT Zero Transport £549
- DAC One.1x £749
- M One Remote pre-amplifier £749
- P Zero power amplifiers £699 pair
- AZ Three loudspeakers £799

Audio Note UK Ltd.
125-127 Davigdor Road
Hove
E.Sussex
Tel: 01273 220511k



►► **CYRUS 7 SYSTEM £1850**

After a brief and uncharacteristic spell in the doldrums, Cyrus, the Huntingdon electronics specialists are back. Their latest range of amplifiers and players offer superb sound quality and value for money - and they must have rivals worrying. Not without good cause either, as Cyrus have traditionally been ahead of their time. Using compact but sturdy cast alloy casework, right from the company's inception, rivals have become aware of the need for a stylistic re-think, in order to make their products similarly compact and domestically pleasing.

With the introduction of a DVD player and a CD/tuner receiver (the Quattro), not to mention three new loudspeakers, Cyrus have caught up with the bigger Jones's, whilst maintaining their specialist credibility. You could say now is their time.

Cyrus products almost demand to be used together because of their distinctive styling, and to retain the family sound. They naturally coalesce into a harmonious one brand system. The system we have here is perhaps one of the more 'basic' in the test but as a twist, instead of a pre/power amp combination we've added a PSX power supply unit to the Cyrus 7 integrated to give it an zest touch of refinement and grip. Incidentally, for even more refinement a PSX can be added to the CD 7 CD player, too.

The CD 7 shares little in common with its predecessor, the DAD 3, apart from its dimensions. The transport, like the Paganini's, is a Philips design and the DAC is Cyrus's

latest 24bit type. A new Q-module decoder version available for an extra £350.

It's refreshing to find a machine at this price with a rigid metal chassis, yet weighs only 3.1 kilos! You don't get the whole gamut of facilities here but the supplied remote control can be used with the complete system. The PSX 'intelligent' power supply produces between 18 and 35.5V DC according to which Cyrus product it's partnered with. The internal power supply of the Cyrus components isn't replaced but complemented, meaning both the component and power supply have to be run from the mains. Measurements are the same as the CD 7 and Cyrus 7 and the weight is a fairly heavy 6 kilos due to the 300VA toroidal transformer.

For regular readers the Cyrus 7 integrated amplifier needs no introduction. It's a line input only amp (alas, the Cyrus phono stage has been pulled from the market) with six remote switchable inputs and a host of useful electronically operated, remote control features. Power is a healthy 60W per channel, there is one tape loop and two sets of 'speaker outputs. The whole system, like the Audio Analogue, is also available in black as well as silver.

When it comes to sound quality this set up is very impressive with all types of recordings and music. Classical discs are well focussed and rhythmic, Beethoven having an essential dance like quality. Strings are full and rounded although at the higher registers the violins sometimes sounded a tad edgy both with

Mission's 782 and Cyrus's own CLS-50 loudspeakers. The Messiaen orchestral disc had oodles of tonal colour and a pleasant sparkle, resolution of instrumental timbre being impressive for a solid state system.

Jazz music in the form of Miles Davis's Sketches Of Spain was nicely forward, with good emphasis on the placement of the instruments (this system images very well) and on rhythmic structure.

Rock and Pop demonstrated the solid and secure bass response this system has. Paul Weller's Stanley Road bounced through the speakers with verve and insight, kick drums thumping and bass guitar having a fine 'groove'. There was also a good open midrange with all guitar details present and correct - something that can often be lost in lesser systems.

Cyrus offer a well balanced and user friendly system here that delivers a fine all-round sound possessing plenty of punch and insight. It is ideal for those with a varied taste in music and not a lot of space to exercise it! ■ ▲

Cyrus CD 7 CD player £800
Cyrus 7 integrated amplifier £700
Cyrus PSX power supply £350

Cyrus Electronics
Spitfire Close
Ermine Business Park
Stonehill
Huntingdon
PE29 6XY
01480 435577
www.cyrusaudio.com



▶▶ **NAIM SERIES 5 SYSTEM**
£2500

This system represents the new 'budget' range from Naim Audio products. Gone are the monolithic grey/green bricks and we bid welcome to the 5 series, a range of entry level products that have an attractive yet simple visual appeal - nothing flash here but it still makes a certain style statement.

The CD5, as we know from our previous review, is one of the finest CD players around at the price, with superb build - even internally! The company has paid attention to RF signal stability by designing a suspended transport located, Meridian style, in the manually operated drawer. The user must physically pull it out and push it in - remarkably refreshing and quite therapeutic, incidentally.

On top of the CD sits a low profile magnetic puck for extra stability. Paths between essential components are as short as possible and there are no less than fourteen regulated power supplies on the circuit board. Individual digital and analogue transformer windings are also provided, as is additional RF interference-busting screening. As with the rest of Naim's output, additional external power supplies can be added such as the Flat-Cap or High-Cap.

Moving onto the amps, these feature the same casework as the Nait5 integrated, but the pre and power sections have gone into separate cases with a few extra tweaks here and there. Like the

whoppingly expensive, top-of-the-range NAC53 preamp, the NAC112 is microprocessor controlled and comes complete with a full system remote, so volume and input switching is all operational from the armchair.

There are six line inputs and each has adjustable gain. For an extra £175 the optional StageLine phono stage can be added.

Other features include star earthing, time-aligned filter networks and optimised circuit layouts. As with the company's other preamps, the 112 is powered from the NAP150 power amplifier via a Din connector but an outboard power supply can also be used. The 150 power amplifier takes some of the circuit technology used in the awesome £10,000 NAP500. There is an output of 50W per channel - but that's 50W of Naim power - a different matter - and it can drive most 'speakers without problem.

When it comes to sound quality, those who are familiar with Naim gear will know that it has certain characteristics not found in rivals, such as an all encompassing concentration on rhythm and timing. This system, though, has a smoother presentation than predecessors, which adds a certain amount of pleasant sophistication to the equation.

The Beethoven/Bernstein recording has plenty of life and vibrancy which was somewhat lost through the 5 Series, although the sound did have an impressive urgency about it and imaging - not necessarily a Naim trademark - was very good.

Messiaen's vibrant orchestration brought out more from the system. There was more sparkle and life than with the more traditional scoring of the French master.

Jazz and Rock were more where the Naim's heart lay. Miles Davis had an excellent sense of instrumental rhythmic togetherness, with the barren trumpet blowing of Davis blending finely into the lush scoring of Gil Evans's arrangements in Sketches Of Spain. The drum kit held the whole picture together as the instruments weaved in and out of the rich performance - great stuff.

More delight was to come with Paul Weller and Soundgarden, both of which sounded fast and organic, with a fine grip on drums and bass. It wasn't the deepest or most powerful around, but it blended brilliantly with the rest of the picture.

This system is highly recommended for fans of rock and jazz, who won't be disappointed by way it grabs recordings by the seat of the pants. Those who previously regarded the Naim sound as a little forward and perhaps hard may well be pleasantly surprised by this new equipment. Good stuff, indeed. ■ ▲

CD5 CD Player £1125
NAC112 preamplifier £625
NAP150 power amplifier £750

Naim Audio
Southampton Road
Salisbury
Wilts
SP1 2LN
Tel: 01722 332266
www.naim-audio.co.uk

MICHELL GYRODEC SE

A SYMBOL OF PRECISION



WHAT HI-FI?
June 1999

Michell Engineering Ltd, 2 Theobald St, Borehamwood, Herts, WD6 4SE
Tel: 0208 953 0771 Web:www.michell-engineering

THE AFFORDABLE PHONO AMPLIFIER
FROM TRICHORD RESEARCH
only £299.00 inc VAT (COMPLETE WITH
TOROIDAL PSU)

DINO

Moving Coil
Moving Magnet
Switchable Gain
Switchable Loading
Super Regulators
Discrete Output Stage
Add a 'Dino+' PSU for true
high end performance



WHAT HI-FI?
June 2001



FOR Sweet and revealing sound:
fine soundstaging; upgradability

Against Nothing we can think of.

Verdict A great moving magnet/
moving coil phono stage that offers
a slice of high-end performance at
a very competitive price.

World Verdict



A real 'hi-fi' sound and
all that many will need.
Highly recommended.

October 2001

tel: +44(0)1684 573524
fax: +44(0)1684 577380

www.trichordresearch.com

conclusion

Listening to these systems brings home differences in sonic character far more than listening to individual components for evaluation. It made for an interesting and enjoyable experience. There's a lot of good stuff out there, it just depends what you want from it. Personal taste, based upon expectation, does enter into it.

The bad news is that every system here in its own right easily deserves the maximum of four globes in our World Verdict ranking system, which doesn't help matters much when it comes to guiding you as a potential buyer.

The good news is it's easy to point out the strengths of each system and any purchase should be made according to your particular taste in listening. OK, so any sensible music lover will have a pretty eclectic collection of music but there will be one common trait that should shine through in your collection - this could be the decider. Our results are below, take your pick.

The Audio Analogue system is for the person who favours more gentle strains of music, such as classical or jazz. Even though it gave good results with all music, these genres shone through. The sound wasn't forward or intrusive, so much as lyrical and flowing - a true hi-fi product in the good old fashioned mould, but with impeccable modern styling. Not that this system doesn't have plenty of power and dynamics, it does, but that is different to the sheer brute force of some set-ups. If you're into Motorhead, look elsewhere. If you're into Vivaldi and Miles Davis, don't. This system will give the right owner many years of musical satisfaction.

The Audio Note system is for the classical music lover who attends plenty of concerts and wants to relive the experience. It produces a fine, open sound that's very hard to better at the price. As long as recording quality is good it can take your breath away. Indeed, when this is

so, the system is so good it defies the term hi-fi and enters into the realms of 'music system' (not in the seventies meaning of the term, though). However, when it's bad it's bad and it's down to the recording and nothing else. The Audio Note is so finely honed as a system it will spit out anything sonically inferior with a venom I've rarely encountered! One for the real discerning listener.

If your taste is truly eclectic and you listen to virtually everything the obvious choice here would be the best all rounder which is undoubtedly the Cyrus system. OK, so it doesn't have the sophistication of the Audio Analogue sound, the openness of the Audio Note or the rhythmic control of the Naim but it will give a good account of itself with whatever you chuck at it, and it doesn't make for difficult 'speaker partnering'. This is my choice for those who can mix James Last with Abbess Hildegard of Bingen (if there's such a person out there!). It has bass depth and control, a transparent and open sound which both impresses and satisfies. Highly recommended for those who wish to sit on the fence and enjoy the experience.

Next the Naim 5 Series. Here's a sophisticated performer with fantastic build quality for the price. The CD player is a cracker, having a firm control on music. Rock and pop are played with magnificent attack and speed, the bass tuneful and fast.

With classical its sound can err on the grey side, but rhythms will still cut through to give an exciting, if not utterly faithful rendition.

Such matters apart I can wholly recommend this system beyond doubt and here's why. Being the kind of greedy person that always chooses two entirely different things from the menu, I always thought in an ideal world I'd have a valve system for transparency and colour and a Naim system for its outright boogie factor. Hearing this system simply confirmed this. After all, opposites attract don't



AUDIO ANALOGUE SYSTEM £2275



AUDIO NOTE ZERO SYSTEM £2749
(AZ-three 'speakers £799 extra)



NAIM SERIES 5 SYSTEM £2500



CYRUS 7 SYSTEM £1850

they? This sort of sound won't suit everyone but nothing at the price does what it does as well, if you get my drift! ■▲

LESS IS

David Price tries to fathom Linn's impossibly expensive new Komri 'flagship high performance full range monitor loudspeakers'.

How do you judge a hi-fi product that you - and very few others - will ever be able to afford? Here in my Hi-Fi World Reviewer's Handbook, it simply says, "on merit". Fair enough then - they're bloody awesome. Next!

But seriously, Linn's new Komri will set back the few people fortunate enough to countenance a pair the princely sum of £25,000. Of course, you don't need me to tell you how ludicrous a sum of money that is for any bit of hi-fi equipment. I'll just quietly point out that in the city of Carlisle where Peter Tyson hi-fi is - the dealer that was kind enough to procure and slavishly set a pair up for me - you can buy a basic two bedroom semi for that sort of cash. Logically then, all statements about value have to be removed from the equation. However great these things are, in value for money terms ...

I have to declare a love/hate relationship with Linn speakers. It isn't that I celebrate some aspects of their performance and decry others - rather, I literally adore certain models from Linn's long back catalogue and detest others. The company - in my humble opinion - has been uncharacteristically hit and miss with this particular link in the audio chain.

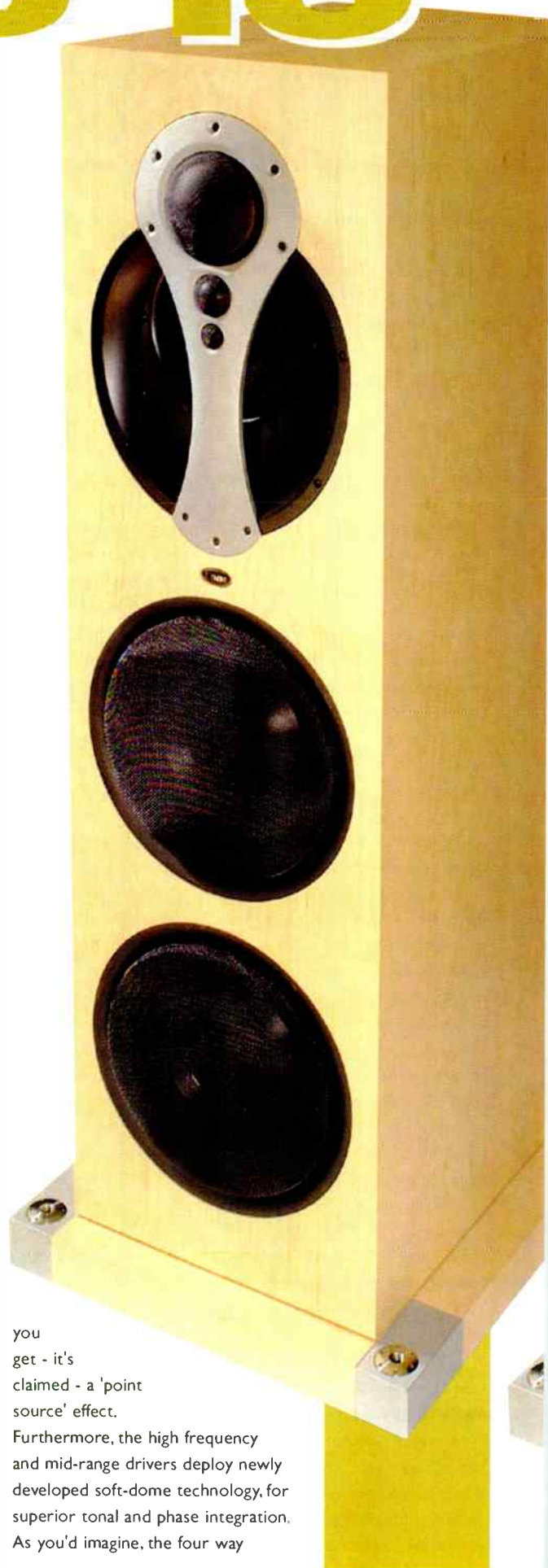
It was poetic justice then that the last speakers I heard before auditioning the Komris were a pair of 1986 Kans. Although they're a tragically flawed product (but let's not kid ourselves, almost all loudspeakers are), they have an essential musicality that just makes you want more, more, more. With my exhaustive knowledge of the intricacies of

speaker design, I'd already figured the vast five-way Komris (giving a claimed 20Hz-28kHz (+/- 3dB) would sound more natural at the frequency extremes, but I still carried a lingering scepticism about their ability to better the Kans in the foot-tapping stakes.

BIG BROTHERS

They're certainly imposing. At 1163.5x420x520mm and weighing 84kg a side (finished in Black, Cherry and Maple woods), they make my reference Yamaha NS1000Ms look like a pair of Vivanco in-ear headphones. Each Komri houses a super-tweeter, tweeter and midrange driver, plus one upper bass driver in an acoustic array and twin long-throw active bass drivers. These latter two drivers use a motion sensor to tailor the bass response electronically to the room (and the speaker's interaction therein), working in a similar (but far more sophisticated way) to Philips' legendary motional feedback loudspeakers of the seventies. To allow for variations in the size and characteristics of listening rooms, the roll-off characteristics of the servo system are adjustable via a soft-key control panel on the back of the speaker.

Interesting - but Linn is also very proud of its unique 4K acoustic array, claimed to give a single-point, highly defined acoustic centre with uniform dispersion for midband and treble duties. This consists of the two high frequency drivers and midrange driver closely bridge-mounted over the upper bass driver, with result that



you get - it's claimed - a 'point source' effect. Furthermore, the high frequency and mid-range drivers deploy newly developed soft-dome technology, for superior tonal and phase integration. As you'd imagine, the four way

MORE



passive crossover (don't worry - active will be here soon) uses the highest quality air-cored, litz-wound inductors and polypropylene capacitors for minimum loss and distortion. For their size and active gubbins, they give a reasonable 87dB sensitivity rating and present a nominal 8 ohm load.

WIDE SOUND WORLD

The problem I have in describing the Komris' sound is their inherent lack of character. They don't - unlike almost all other loudspeakers I've heard - make you think, 'that's a very fast loudspeaker', or 'that's really warm and sweet'. Rather, I found myself running the gamut of my CD collection trying to pin down the Komris' essential nature, which was trickier than I'd expected.

The first thing that strikes the uninitiated is that they're very much a full range speaker. You're not listening to transducers which attempt to be a window on the world here, you're hearing the world itself. That means very, very deep bass - but not, I might add - overblown. Indeed, the Komris' sound bass light on music without much low frequency content - which is just as it should be. The point is that they're not adding anything; no out of control cabinetry here, thanks very much.

It also means very open and natural sounding treble - switch over to a pair of Ninkas (or indeed any other perfectly respectable 'mere mortal' loudspeakers) and it's like someone's started fiddling with the tilt control on your old Quad preamp. There's an obvious lack of bite to the highs - unless the occasion demands it - again meaning that not here will you witness the spectacle of a sorry high frequency transducer dirtying and

Ortofon



Pro-ject



The new
**Pro-ject
RPM9**

Exclusively at
**Centres of
EXCELLENCE**

Town

Aldridge (West Mids)
Ashby De La Zouch
Bedford
Birmingham
Brentwood
Bristol
Bristol
Cambridge
Cardiff
Chester
Colchester
Coventry
Darlington
Doncaster
East Grinstead
Edinburgh
Edinburgh
Exeter
Glasgow
Harrow
Helston, Cornwall
Hitchin, Herts
Ipswich
Ireland (Dingannon)
Kidderminster
Leamington

Dealer

Sound Cinergy
Zouch Audio
Richards A/V
Music Matters
Audio T
Radford HiFi
Audio Excellence
The Audiofile
Sevenoaks S&V
Audio Excellence
Grayston S&V
Frank Harvey
Hi-Fi Experience
The Hi-Fi Studios
Audio Designs**
Hi-Fi Corner
Russ Andrews*
Sevenoaks S&V**
Glasgow Audio
Harrow Audio**
Sounds Perfection
David Orton A/V
Sevenoaks S&V
Kronos Hi-Fi
Midland Audio Ex*
Stratford Hi-Fi

Town

Leeds
Leicester
Lincoln
London (Euston)
London (Holburn)
Manchester
Manchester
New Malden, Surrey
Newbury
Newcastle
Norwich
Nottingham
Oxford
Peterborough
Rainham (Kent)
Reading
Reading
Salisbury
Sheffield
Southampton
Swansea
Swiss Cottage
Tuxford (Notts)
Warrington
Worthing
Yeovil

Dealer

Sevenoaks S&V
Leicester Hi-Fi
Sevenoaks S&V
Kamla
Sevenoaks S&V
Practical HiFi
Sevenoaks S&V**
Unilet
B&B Hi-Fi**
Lintone Audio
Sevenoaks S&V
Notts Hi-Fi Centre
Oxford Audio
Sevenoaks S&V
Progressive Audio
B&B Hi-Fi**
Audio T*
Salisbury Hi-Fi**
Moorgate Acoustics
Phase Three**
Sevenoaks S&V
Sevenoaks S&V
Chantry Audio*
Doug Brady*
Phase Three
Mike Manning*

* Ortofon only ** Pro-ject only

For a full dealer list and more information contact:

Henley Designs Ltd, Unit 10 Moorbrook, Southmead Industrial Park, Dideot, Oxon, OX11 7HR
Tel: 01235 511166, Fax: 01235 511266, E-mail henley.designs@virgin.net, WWW.henleydesigns.co.uk

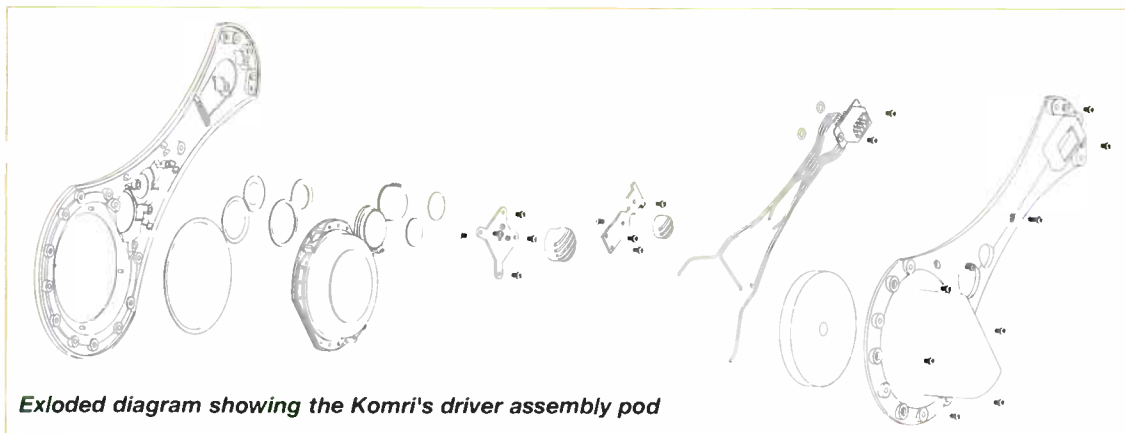
◀ irritating all those sweet sounds coming downstream from your CD12. The frequency extremes are utterly unremarkable then - in the sense that the Komris do very little to them. They don't add, detract, multiply or divide - you simply hear what was there in the first place, to a very great extent.

If this makes for boring reading, then you won't like what I've got to say about the midband. Once again, less is more. That's less coloration, phase incoherence, muddling of the stereo image, dynamic compression, softening of transients, sullying of rhythms, distortion or any other nasties. The Komris simply let the festivities happen. Feed them with heavily compressed dance music and that's what you hear, with an incredible dynamic articulation but next to no euphonic bass boom or spitty treble to jolly on the proceedings. In an instant the Komris communicate the particular



The result is a loudspeaker that's alarmingly devoid of flaws at almost every level. My tastes would ask for a slightly sweeter, silkier treble such as that from the Beryllium unit fitted to Yamaha's NS1000M. I could do with a tad less control in the bass - sometimes it's nice to have just a wee bit of overhang and bloom to flesh out the proceedings. But these are both just personal whims - the point is that the Komris are so fearsomely capable in so many respects you find yourself wanting some coloration to give them some kind of easily identifiable character!

No doubt about it, Linn's new Komri's give an



Exploded diagram showing the Komri's driver assembly pod

goings on in the recording studio on the date the music you're listening to was committed to tape (or hard drive, as it is these days). You can hear the quality of the vocal mikes, the producer's thoughts on instrument placement, squeaks, rattles, noisy desks, injudicious use of EQ and so on and so forth. But unlike a number of other super-transducers (Quad 989s, for example), they're not at all deconstructive - they don't take things apart piece by piece. Quite the reverse in fact, because what they do is almost greater than the sum of the musical parts.

IMAGE CONCIIOUS

The next important point about the Komris is the imaging. Wry smiles here when we remember the Isobarik (bless!), but these new Linn

boxes project better than your average stadium floodlight. Given the right size room, a brace of barrel-chested amplifiers and the will to use the volume control in anger, these speakers are practically hallucinogenic.

The Komri can go boldly into the centre of the room, and fall back behind the rear wall too. Image location is pin-sharp - well, almost. I've heard Quads, Martin Logans, big Tannoys and similar electrostatic and/or coaxials do it a smidgin better. But these are all more compromised at the frequency extremes, thanks to their respective driver types or layouts. The Komris are probably the best combination of soundstaging and frequency extension I've heard - and believe me, it's rare to hear both from the same speaker.

incredibly powerful, staggeringly incisive, massively engaging and satisfying performance - with virtually none of the pitfalls associated with other, rival big hitters. They are awesomely fluid and natural sounding - they just cut to the chase and get on with getting you closer to the music - which is just how it should be. We should applaud Linn for finally giving us conclusive proof that the less a loudspeaker does, the better it surely is. As the Komri's show us, less is most definitely more. ■ ▲

Linn Komri £25,000

Linn Products Ltd.
Floors Road
Waterfoot, Eaglesham
Glasgow G76 0EP
Tel: 0161 280 5115

World Verdict



Incredible in so many respects, the Komris let any music sound quite sublime.

ROSE TINTED

Mark Levinson's new Red Rose venture includes some of the sweetest looking and sounding hi-fi on the planet. Simon Pope encounters the Rosette 1 integrated. Will it come out smelling of them, we ask ourselves?



▶ If you were paying close attention to a recent episode of the Channel 4 hit 'Sex And The City' (in which our journalist heroine was dating a wally beatnik Jazzer) the alert among you would have noticed vinyl treasures being played through a cute looking silver valve amp. It was one of the earlier products of the fairly new Red Rose Music company based in New York and fronted by none other than a certain Mark Levinson. It's appearance was no accident: lucky Mr. Levinson is married to Kim Cattrall who plays the sassy and over-sexed Samantha in the series. Incidentally, it was also no accident that the wally Jazzer listened only to vinyl, as Mr. Levinson also has a garlic-to-a-vampire reaction to digital PCM - more of which later!

The aforementioned amplifier featured on the telly was actually part of a line up that was only available in a 'system' consisting of an amplifier with ribbon tweetered 'speakers' - and the price was steep.

Now the company have launched what they describe as a new range of "affordable" products (available separately), of which the electronics are solid-state as opposed to tubular. And guess what? They're made in China. Actually, the design work is done 'in house' by Levinson and Victor Tiscareno in collaboration with significant contributions from a designer in China, where the products are made, including the drive units for the new 'speakers'. Doubting Thomas's had better keep 'stum' though, because build quality is

superb. More and more upmarket players are considering the manufacturing move to the Far East as belts are tightened and cash flow examined - it makes a lot of sense. This particular collaboration results in products at "price points significantly lower than any previous product conceived and designed by Mark Levinson". Well there's no denying its true, but the strikingly cute Rosette amplifier reviewed here still costs just the right side of £3000 - ouch!

It is a 50W per channel stereo design of considerable weight for the size, which is of vertical midi sized proportions and can literally be placed into a bookshelf without any trouble. It's also ideal for multiroom applications and four units can be placed side by side in a base plate for rack or shelf mounting. Both the look and electronic design of the amp is almost painfully simple yet highly effective. We have only four line inputs (there is soon to be a Rosette 2 phono stage) with a metal selector button for each on the fascia, accompanied by a rotary volume control and an on/off switch.

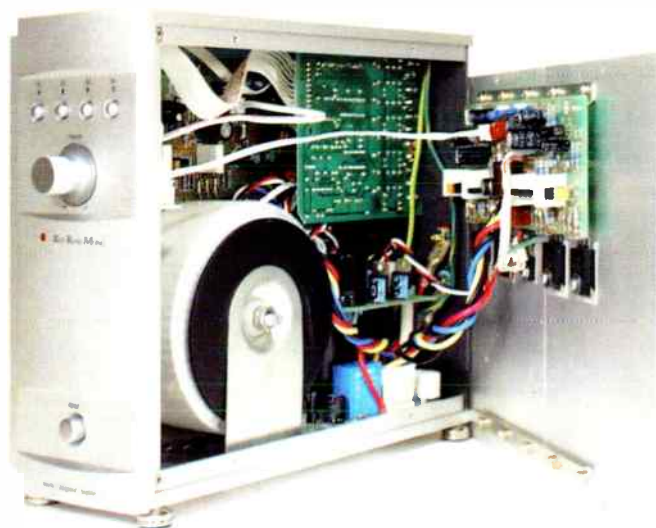
And that's it, no bells or whistles and not even a remote - it's as sparse as they come. However, don't be mistaken by the midi like dimensions; we're very much in high-end territory here, both build wise and sound wise. Either side of the metallic tower are massive heatsinks which apparently allow high bias currents to be applied

to the output devices. The amp is also stuffed with high grade components for a genuine 'high end' sound.

SOUND QUALITY

Never has the phrase 'keep it simple' been so aptly applied than to the Rosette. Not only is the design simple but so is the sound, and in a world of complication, that's a compliment. That's not to say it's grey or lifeless - it's far from it but it plays music so effortlessly that it's hard not to be impressed. Listening took place with a range of sources - including, shock horror, Compact Disc. It's at this point I should explain something. As I mentioned earlier Levinson has an aversion to PCM. His view is that "PCM recording and playback" is at the root of many people's dissatisfaction with modern audio. However, he is a fully paid up member of the DSD fanclub, even to the point of having an SACD recording facility in the Red Rose showroom in Manhattan. The design of this amplifier was considered by using non-PCM sources as an audio benchmark. So, I duly rolled in a Sony SACD player along with my LP12 and Michell's Dino phono stage (the Rosette 2 wasn't available for the review) and got to work. 'Speaker

SPECTACLE



were courtesy of Diapason and Red Rose's own very fine Rosebud ribbon tweeter design (much more of which next month). Cabling was Chord Company and Red Rose's own design.

A selection of SACD's showed up a very sweet and musical, yet analytical, sound. Bass, as always, with Levinson inspired gear was excellent. Fast and tuneful, the bass lines became an integral part of the music, not swamping the sound but remaining perfectly balanced. Frankie Goes To Hollywood's SACD compilation brought stunning results. Vocals were clean and meticulous and the detail was beyond reproach. A fine, deep soundstage moved the sound well back into the room.

Midrange was open and effortless and treble exceptionally sweet. Classical SACD recording, in the shape of Fauré and Debussy Piano Trios on Hyperion, was equally impressive in detail and poise.

Ploughing through my vinyl record collection brought equally fine results. Jazz was brilliantly reproduced with a smooth and silky nature and rock sounded full and detailed. Where the Rosette really shone was in intimate music such as Thelonius Monk's tinkering or Yo-Yo Ma playing Bach's sublime cello suites. Only in large orchestral music did the Rosette sometimes 'thin out' a little and lose some presence. And with CD? Well, I found no problems. With

Paul Weller's Stanley Road and Pollini playing Schumann the sound was as confident and accomplished as with SACD and vinyl. Sorry!

There is a point at which this amplifier ventures into valve territory - no surprise really. It has a sweet and subtle sound that manages to be perfectly effortless yet musically satisfying, with excellent tonal colour. It doesn't have oodles of clout or dynamics but that's not what this sound is about, although the bass has depth, control and an endearing quality to it.

Downsides? Looking at it practically the downside could be the price - it's very heavy at £3000, but it does have a sound to compete with some of the best solid-state designs at this price - if perhaps not the power reserves. If you're after a beautiful looking design with a sweet and controlled sound, and more importantly you have the money - it's the one for you. ■ ▲

Red Rose Rosette | £2999

Musical Design Company
PO Box 4146
Epping
Essex
CM16 6HJ
Tel: 01992 573030

MEASURED PERFORMANCE

This neatly packaged amplifier produces a useful 55W into 8ohms and 80W into 4ohms, so in spite of its small size it has a useful amount of punch - enough to give high volumes in the average sized room, using sensitive modern loudspeakers.

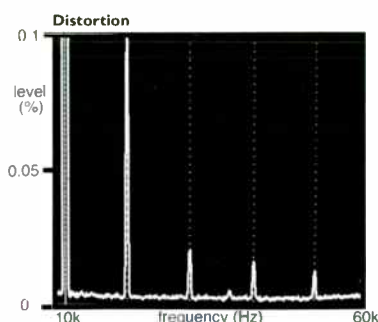
The distortion characteristic was a little unusual, with a strong second order component and extended harmonics. The latter were at a low level so they should hopefully not be audibly intrusive. Distortion levels were acceptably low at 0.1% at low power outputs and a trifle less at full

output. Bandwidth has been limited to 30kHz, perhaps to warm the sound a little.

With high sensitivity of 200mV giving good matching to legacy tuners, cassette decks and such like, plus low noise and wide channel separation the Red Rose amplifier measures well in all areas and should give a good account of itself in use. **NK**

Power 55watts
CD/tuner/aux.
Frequency response 9Hz-30kHz

Separation	71dB
Noise	-101dB
Distortion	0.1%
Sensitivity	200mV
dc offset	0.5/0.5mV



World Verdict



Beautiful looking, sweet and confident sounding, the Rosette 1 is a cracking modern solid state amp.

GOING

David Price tries out Origin Live's new Ultra suspended chassis turntable kit, claimed to give the very highest vinyl replay standards in just two hours!

► **A** turntable kit? I can't possibly do that, thought I, until I remembered that I've spent hundreds of hours crawling under a Linn LP12 (suspended between two kitchen stools with its bottom plate off) trying to fettle the damn thing. Then there's the weeks spent disassembling and reassembling my Michells - which effectively come sold as kits anyway. So I approached the task as a 'keen amateur', rather than someone with some special connection to the weird and wonderful world of turntable construction.

Further investigation (i.e. a quick look at the bits out of the box) revealed that the Ultra is more 'screw-it-yourself' than 'do-it-yourself'. You don't actually have to turn the platter on a lathe, spot weld the subchassis or veneer the plinth wood all by yourself. Nor does the motor need to be bushed or the power supply coiled - essentially, it's all done for you. This is more of a join the dots exercise, rather than some weird voyage into the tweaky unknown. Origin Live's Mark Baker reckons that it should take between one and four hours to build, depending on your level of competency. As for me, I'm pleading the Fifth Amendment.

CONSTRUCTION TIME AGAIN

Ideally, Origin Live recommend you have a ruler or measuring tape to hand, along with a marker pen, a small hacksaw or powerful snips, a cross head screwdriver, 3mm or 3.5mm drill, a pair of pliers or Molegrips, a hammer and a spirit

level. A soldering iron is useful but not essential.

First step is to undo the two transit bolts which hold the sub-chassis onto the top board of the turntable plinth. Then the rubber feet are fitted using four nails provided, and the lid hinges go onto the lid using the four M4 bolts and nuts. This involves drilling holes for the hinge screws in the plinth using a 3mm or 3.5mm drill. Origin Live recommend removing the lid for easier access to deck during the rest of the build.

Next, to be fitted is the motor switch and DC regulator board, attached to the plinth. The switch shaft must be cut using a hacksaw or powerful wire snips. It can then be fitted in position by pushing it through the pre-drilled hole at the front left hand side of the plinth, gently tightening the top clamping nut

using the 2mm Allen key provided.

The standard DC regulator board is then positioned on the left underside of the plinth top board (close to the walls of the plinth front corner), via two No 6 screws and washers.

At this point three threaded support bolts are fitted to the plinth top board to take the sub-chassis. But first the bearing housing must be attached; Origin Live recommend only 'nipping' the nuts, since "more force than this is detrimental to performance", says Mark Baker. This aside, all the bolts on the sub-chassis are pre-torqued to the correct tension and should NOT be tightened. No! Stop! Even though you know you want to!

The subchassis attaches to the spring plate by one pivot bolt, which lets it swivel freely. This, too, is a



The Origin Live kit comes with everything you need and full instructions

LIVE

The Ultra uses a 12V DC motor



'tighten at your peril' point.

The motor is next in line for attention. It should be fitted to the motor plate using the three small machine screws supplied. Again, it's

a case of not overtightening, lest too much motor noise be transmitted into the plinth.

The springs go in next, between the sub-chassis and plinth via support rods. With characteristic attention to detail, each particular spring is of a different compliance and has to be positioned correctly, following the diagram in the instructions.

It's now time to warm up the Antex and get out the Multicore - the red wire from the DC regulator is soldered to the positive terminal on the motor, and the black one goes to the other. After dressing the power supply leads away from the sub-chassis (to avoid restricting its movement), it's time to fit the arm.

At this stage in the game, it isn't necessary to fettle the arm to the nth degree - essentially it has to go on so you can balance the suspension. All else can come later. Bolt the arm to the armboard using the large Rega bolt - to finger tightness only. The arm cable can then be fixed to the deck in the usual way

by a cable clip screwed into the underside of the plinth. As LP12 tweakers know all too well - dress the clip so that it isn't tight and there's a degree of elasticity.

Finally, it's time for the platter and sub-platter to reach their rightful place. First drop the 4mm ball-bearing into the bearing housing, assuming it isn't already there, then drop some oil in and carefully lower the sub-platter spindle down.

SOUND AFFECTS?

The deck is now a living, breathing disc spinner, but despite slavish following of the forensically detailed instructions, it still needs a bit of extra fettling. The platter has to be

learnt with my Linn and it works wonders.

This done, level the platter by adjusting the nuts underneath the spring seats using a small spirit level. As with all independently sprung sub-chassis decks, it should bounce freely (up and down, about 1mm or so) without contacting anything. Origin Live says that unlike the LP12, you don't need to achieve an even bounce as the sub-chassis takes most of the weight on one spring.

Now that all is oscillating wildly, the arm and cartridge can go on in earnest, and the motor speed set. Origin Live says that in the first 4 hours of use from starting up, the motor speed



The bearing and mechanism are easily assembled

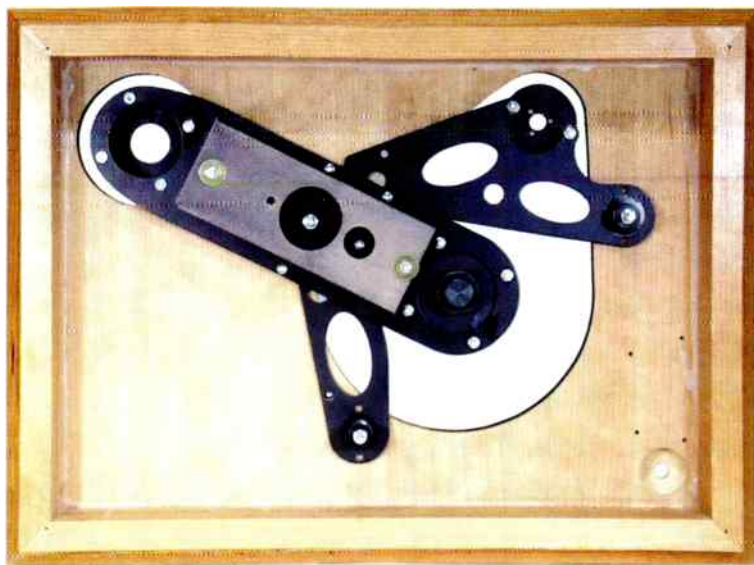
levelled using the nuts under the spring assemblies, with the belt in situ. Interestingly, Mark Baker recommends first cleaning all the running surfaces with methylated or surgical spirit - this is an old trick I

tends to drift but then settles down permanently. With this in mind, there isn't much point doing your final adjustments until things have run in a bit. For this purpose, a strobe disc is thoughtfully supplied, which proved just as accurate as my very expensive SME one.

At this point, I feel bound to say that the instructions that come with the Origin Live Ultra are disarmingly good. Short of Mark Baker getting in his car and coming round to your place to personally talk you through the process, you really couldn't ask for more. Not only are they clearly and concisely written, they're packed with little asides about setting the



The kit comes with the excellent OL RB250 as standard



The Ultra has a fully suspended sub-chassis

◀◀ deck up for best sound (usually along the lines of 'don't overtighten this or that nut - just nip it!'). They could stand alone as a seminal work on classic suspended subchassis turntable set-up in their own right.

There's also tracts of stuff on arm and turntable set-up theory and practice - forget the deck - it's worth paying this much for the manual!

But seriously - the Ultra is more than just a lovely bunch of instructions. The quality of all the bits, plinth, fixtures and fittings is superb and frankly you wouldn't find this sort of class on any ready-made turntable costing under £1,000. As a gauge, the fit and finish of the bits is easily up to LP12 standards, whereas the latter doesn't have an expensive Acrylic platter or DC motor. If you've only got £500 odd to spend, I can't think of anything else this sophisticated by half.

MUSIC MATTERS

I tested the Ultra with both a standard Origin Live RB250 with structural mod, and a brand shiny new £599 Origin Live Silver RB250, via an Ortofon Kontrapunkt B and a Plinius Jarrah phono stage, going into a World Audio valve power amp and my resident monster monitor Yamaha NS1000Ms. Essentially the Ultra kit is very self-effacing. It doesn't have an obvious character in the manner of a Linn LP12, but is clean, open and balanced with no 'hot spots' or troublesome areas. I got the impression of a Rega Planar 3-like sound, but with all the bugs ironed out. By this I mean it's extremely even handed and neutral, and just gets on with the job of playing music.

Kicking off with my evergreen reference track, 4Hero's 'Escape That', the Ultra cut straight to the chase in the way that high quality

Bitstream CD players can. There was no obvious 'character'; no discernable need or desire on behalf of the OL to editorialise. What I heard was a wide open soundstage, with fine depth perspective and tight image location - not quite as precise as Michell decks admittedly - in which all the various parts of the mix could live and breathe. Until the arrival of the Michell DC motor, this Ultra kit would have walked all over the Gyro in terms of musicality. It's extremely fast and taut, yet very 'fluent' sounding with no obvious inclinations towards the 'mechanical'.

Running the gamut of my jazz LPs, the Ultra proved extremely adept at imparting both the groove and the textural of the sound - it swings and it sings. You hear a bunch of musicians playing together, but you can also stop to enjoy the deliciously raspy brass sounds, the deep, resonant pianos and the full bodied bass. The latter is perhaps the most impressive - there's no overhang and bags of articulation. Treble is sweet and open - although not quite as neutral as a Michell. The fact that it can be mentioned in the same breath as a Gyro SE is a remarkable feat for a £500 box of bits though - only a slight lack of clarity and grip differentiates the two.

Overall a deeply impressive deck then. It runs designs at nearly twice the price extremely close in many respects. Building it will take you an evening, but it's fun to get your hands dirty once in a while and you've got massive room for experimentation and tweaking. The 'engineering depth' of this kit is remarkable - building it gives you the impression the Origin Live have specified every last nut and bolt with sound in mind - something that auditioning only confirms. Brilliant value for money. ■ ▲

Origin Live Turntable Kit £539

Origin Live
87 Chessel Crescent
Bitterne
Southampton
SO19 4BT
Tel: 02380 442183
www.originlive.com

Kit contents

- plinth
- lid
- a bag of bits including: belt, clips, screws and nuts
- platter and sub-platter
- main bearing house/nuts/4mm ball-bearing /oil
- motor with fitted pulley
- sub-chassis
- power supply
- DC regulator board/switch
- sliding VTA adjuster, aluminium sleeve, Allen set screw
- paperwork and instructions



Hey presto, the finished item!

World Verdict



Simply, the cheapest way to get high end vinyl sound. Component quality is superb and the build process is a doddle for your average DIY-er.

HOME HELPER

David Price tries out a brace of cleaning aids for your vinyl, MiniDisc and cassette sources.



DISCO ANTISTAT £41.95

The problem with record cleaning is that it's generally a case of all or nothing. You either ship your prized vinyl down to your local Keith Monks machine-owning record shop (or buy one yourself), or feebly apply your threadbare carbon fibre brush as your vinyl spins on your deck. The former approach will reward you with beautifully revitalised playing surfaces, not to mention a serious improvement in sound thanks to the dreaded Mould Release Agent being washed out. The latter will just about remove an hour's worth of dust, fluff and cat hairs, but if you've got greasy, ingrained dirt and stains then you're wasting your time.

There is a compromise though -

for a while I've been using an Audio Technica record cleaning pad. I place my gungy black plastic onto my turntable, liberally pour a mixture of Isopropyl alcohol and distilled water onto the surface, spin the platter (in the case of my Michell Orbe, using the very handy knurled knob of the record clamp), and apply the pad from the outside inwards. This works surprisingly well, but is contingent on you getting the knack and drying the disc off with another, dry pad. Unfortunately the whole process has to be repeated - because there's two sides to do, obviously - meaning it's a rather tedious and time-consuming business.

Enter the 'Disco Antistat', hor from Germany. This attempts to do similar things to my manual Audio Technica pad-based clean, but in a



The internal section of the Antistat

fraction of the time. Upon first inspection of the packaging, and the item itself, I wasn't expecting very much - basically it's just a cheap bit of plastic. I have to admit, however, that it actually works surprisingly well. Don't get me wrong - it is not a substitute for a Keith Monks, or even a Moth cleaning machine, but it does fill the gap between the aforementioned and nothing rather well.

All you do is unscrew the knurled disc clamp, insert the record, screw the clamp back up so it's holding the disc, then place the clamp's spindle in the recess. Half of the record will now be sitting in the fluid trough, in-between a pair of stiff brushes. You just fill the trough up with 'disco-antistat mixture' and rotate the record around in the trough using the clamp. After you've done this for a minute or so, all but the deepest bits of gunk will have come out of the grooves and into the fluid. You then pull the record out of the trough, unscrew the clamp and place the record on the supplied record rack to dry. At first I thought the manufacturers had forgotten to include this, but then I realise it clips into the base of the trough! Neat. So, this may look like something made by Ronco from the 1970s, but it works far better. It comes heartily recommended - as a 'stopgap' if you can't afford anything better.

ROSS MINIDISC CLEANER £9

We all know about cleaning cassettes and CD laser cleaning discs, but what do you do about MD maintenance? Nothing, it seems, until the introduction of this little gadget. In truth, because of MiniDisc's floppy disk-style enclosed design, it's far less susceptible to dirt and gunge sullyng the laser, but it still happens. And if you're a smoker then your MD lens can very quickly get gunk sticking to it, so this becomes even more of an issue. Don't ask me how the Ross MD cleaner works, but it does - just. Living in laboratory-clean conditions as I do, with no smoke in my abode short of that from the occasional bit of burnt toast, my lens was already sparkling - but this thing still seemed to add just a touch more detail and sparkle in the treble. Once again, recommended.



Ross Mini Cleaner £9



Bib Automatic Cassette Cleaning System £5

BIB AUTOMATIC CASSETTE CLEANING SYSTEM £5

This rather pretentiously named cleaning cassette is eerily reminiscent of the Allsop cleaners that sold so well back in the eighties. More than just a mildly abrasive tape spinning over the heads, it uses pads pre-moistened with Isopropyl alcohol to reach places that previously only cotton buds dared to go. It works very well

too, being second only to the aforementioned bit of fluff on a stick. Importantly though, some decks - especially car players or certain exotics like Yamaha's TC-800GL don't have removable cassette compartment doors, so cotton buds are largely useless for cleaning the capstan and pinch wheels. Here, the Bib comes into its own and does a top job. Cheap, effective, easy to use - you can't ask for more! ■ ▲

sevenoaks sound & vision

sale ends

Saturday 9th February

The Sevenoaks Sound & Vision sale incorporates a wide range of leading products.

With more than forty outlets nationwide, the experienced staff are able to give expert advice when choosing hi-fi components, home cinema systems, and the very latest technologies - like recordable DVD and widescreen plasma.

The following pages show a selection of the numerous sale offers that can be found in-store, and with the added peace of mind of Sevenoaks competitive pricing policy, and the ability to spread the cost of buying with 0% finance option, Sevenoaks Sound & Vision are the perfect choice.



Hi-Fi Components and Systems

Pages 2-5

Digital Tuners • CD Players • CD Recorders
Amplifiers • Loudspeakers • Systems

Outlets Nationwide

Pages 6-7

Who are Sevenoaks? • Sevenoaks Online • Outlet Details
Stock Clearance • 0% Finance Option • Pricing Policy

more entertaining

World Radio History



Systems Best Buy £1000 plus



LINN

Classik K CD Receiver

"Since the Scottish company added a tuner to the amp/CD player, mouths have gaped even wider in appreciation. The addition of colour options panders to the public's taste for kit to match their interior design, but it doesn't just look lovely in the lounge: the Classik sounds simply marvellous. Boasting fine impact and drive, it retains its grip even as it thumps out rock and dance tracks. Ask it to play quiet acoustic music and its smooth, liquid presentation impresses still further. The Classik offers the performance you'd expect from high quality separates in one lovely package - this is a very superior product." ★★★★★ **WHAT HI-FI? Awards 2001**

Sale £899.95

DENON

D-M30 CD Receiver

Sale £199.95

SC-M50 Speakers

Sale £59.95

"Denon's gorgeous D-M30 has a fine pedigree - and a record of success. Its forebear the D-M3 kept impressing us with its balance of good looks and great sound, winning two What Hi-Fi? Awards on the trot. Now the latest generation takes home a Product of the Year gong two years in a row. On its own merits, too, as this is much more than a rehash of the D-M3. Upgraded audio circuitry, improved power supply and the Mission-designed speakers all improve the package. The sound is superb, well-balanced and weighty... It's a big system in a very cute box." ★★★★★ **WHAT HI-FI? Awards 2001**

Optional CD Recorder:

CDR-M30 CD-RW Recorder Sale £149.95



VideoLogic DRX-601ES Digital Tuner



"New name, new format, new winner: the VideoLogic story is as simple as that. The £299 DRX-601E digital tuner came out of nowhere to establish the firm as a major player in the digital tuner market. With this upgrade, VideoLogic goes one step further: it's still a DRX-601E at heart, but quite apart from the sleek silver styling and sexy blue LEDs it now has a

better, white-on-blue display, and what the company calls 'Psycho-acoustic Compensation' - a form of signal processing designed to make the tuner sound less digital.

And it works: the DRX-601ES has a presentation that's rich, clean and extremely informative. Bass is big and powerful, while the midband and treble are well controlled. The style alone would justify the slight price rise: the sound quality makes it a Product of the Year."

★★★★★ **WHAT HI-FI? Awards 2001**

Sale £329.95

Also Available: Sony STD777ES Sale £429.95



more entertaining World Radio History



ARCAM DiVA
CD92T CD Player
Sale £799.95

A85 Amplifier
Sale £699.95



Arcam's quest for higher performance, has led to the development of the DiVA series, the most complete range of high performance home entertainment equipment ever launched by a specialist audio manufacturer. Innovative design and production techniques have enabled Arcam to build on established values of excellent sound quality and value. All DiVA products are available in Silver or Black.



Stereo Amplifiers
 Best Buy £601-£1000

DiVA A85 "You'll have realised by now that we rather like this amp. It took us completely by surprise, and further strengthens Arcam's already impressive product range... The A85 is superb, and we can't wait to put it up against its peer in a group test." ★★★★★ **WHAT HI-FI? | March 2001**



TEAC
Reference 300 System



Systems
 Best Buy £501-£1000

"Teac's Reference 300 system is an absolute belter. The company's Reference series has won lots of awards and many admirers in the past, and the 300 range at £200 less than the bigger 500 series, is no disappointment. Your £600 buys you everything but speakers: an amplifier, tuner, CD player and cassette deck, CD-Synchro recording, optical digital output and built-in timer. This being a Teac, upgrading will not be a problem when you get that new job, with a DVD player and multichannel amp among the most recent options... As beautifully built as we've come to expect from Teac, this system delivers the goods with style." ★★★★★ **WHAT HI-FI? | Awards 2001**

Sale £499.95

MISSION
M71 Speakers

"With silky smooth treble, staggeringly refined detail and a bass that digs deep and punches hard, they're little short of miraculous when you consider the price... The Mission M71s are truly exceptional speakers for the money." ★★★★★ **WHAT HI-FI? | Awards 2000**

Sale £99.95



Please Note: Some products may not be available at all outlets. Advertisement valid until at least 13th February 2002, E&OE.



marantz

CD6000Ki Signature

CD **Sale £429.95**

PM6010Ki Signature

Amplifier **Sale £329.95**

CD6000 Ki Signature "The result is a player of real power and grace, and one that sounds dynamic, exciting and fresh. Rhythms are tight and clean while the live atmosphere of discs is conveyed with a real 'you are there' feeling. Even massive scale and weight isn't beyond the Marantz: it delivers all the bass your amp and speakers can handle without ever drowning out the high stuff. The audiophile bargain of the Nineties is back, and it's even better!" ★★★★★ **WHAT HI-FI? | Awards 2000**

PM6010 Ki Signature "Yes, this is the most expensive amplifier in this group, but provided you like its bright yet weighty, detailed yet wide-open sound, it's still something special." ★★★★★ **WHAT HI-FI? | September 2001**

marantz

DR6000 CD-RW Recorder Sale £299.95



"Most CD recorders make excellent copiers but are less than brilliant as plain CD players. Not so this Marantz: the DR6000 is a recorder you can also use as your main CD player, using your existing machine as a source for recording, for unless you have a very good machine in the £400+ league, chances are the Marantz is going to outperform it.

Whether playing its own recording or standard CDs, the DR6000 sounds big, confident and highly detailed, delivering a sound with real presence and few sonic foibles. Fast rhythms are delivered with terrific conviction, and the way the Marantz digs out detail of percussion and brass instruments knows no rival at the price. What's more, recordings made on this machine have bags of punch and impact, sounding virtually identical to the original discs.



The work that has gone into making the Marantz a good CD player has resulted in a fine recorder that also earns its keep as a system upgrade. No, it's not the least expensive recorder around, but it's one of the best, and worth every penny." ★★★★★ **WHAT HI-FI? | Awards 2000**



**Cresta 2
Speakers (cherry Finish)**



"It's been a few years since KEF made an assault on the entry-level speaker sector. Well it's back with a vengeance with the Cresta 2s and, as proved in October's affordable-standmounter *supertest*, they are the class of their field. These well-built and handsomely-finished 37cm-tall boxes employ a 25mm soft dome tweeter allied to a 13cm long-throw mid/bass driver, and they're biwireable, too, something not often found at this price point. When wired and placed on a pair of sturdy stands, the Cresta 2s sing in a way that bolies the £150 price. As good with the atmosphere and excitement of a live recording as with the punchy basslines of dance music, the Cresta 2s have all the qualities of a truly classic loudspeaker." ★★★★★ **WHAT HI-FI? | Awards 1999**

Sale £99.95



Please Note: Some products may not be available at all outlets. Advertisement valid until at least 13th February 2002. E&OE

more entertaining World Radio History





ROKSAN

Caspian MKII

CD **Sale £799.95**
Amp **Sale £729.95**

Founded in 1985, Roksan's objective has always been to bring high-end specialist hi-fi to every home. Today with the Caspian range, that goal has been fully achieved.



Caspian CD Player "If you can stretch to it, though, Roksan's Caspian is the player to go for. Yes, it's the most expensive here, but no rival can touch it when it comes to bringing music to life - regardless of genre. And that's what hi-fi is all about." ★★★★★ **WHAT HI-FI? | May 2001**

Caspian Amplifier "The Caspian has been around for a few years, but Roksan has developed it to a point where it now leads the class in all-round terms. In specific areas other amps equal it, but overall none can beat its combination of clarity, timing and dynamics. The Caspian is a worthy winner." ★★★★★ **WHAT HI-FI? | February 2001**



MONITOR AUDIO Silver 8i Speakers

"No other speaker in this test can match the Monitor Audios when it comes to delivering seismic basslines with sofa rattling power and weight. That this part of the spectrum also enjoys plenty of speed and control confirms the Silver 8is' position as bass kings... A great speaker needs more than simply great bass, however, and the Silver 8is do far more than merely thump. With the likes of Curtis Mayfield's 'Move On Up', they produce a sound of such verve that it becomes hard to sit still... They produce music with plenty of excitement - but don't forget the subtleties too. Add excellent build and an easy load and these Monitor Audios make a formidable case for themselves." ★★★★★ **WHAT HI-FI? | April 2001**

Sale £599.95

MUSICAL FIDELITY

X-A2 Amplifier

"Resolution is never in doubt, and yet this is music-making very definitely on the human scale, the X-A2 being as much about a natural balance as electrical ability. It's capable of driving even big, demanding speakers, is upgradeable with the addition of extra Musical Fidelity power amps - when things get even more special - and is an absolute steal for the money. The X-A2 is set to become even more of a What Hi-Fi? favourite than the X-A1 it replaces."

★★★★★ **WHAT HI-FI? | September 2000**

Sale £399.95

Also Available: X-Ray CD Player **Sale £699.95**





who are sevenoaks?

Founded as Sevenoaks Hi-Fi in the summer of 1972, the original shop in the market town of Sevenoaks, Kent, quickly gained a reputation for offering a wide range of products at competitive prices, and providing excellent service.

Exciting new technologies like compact disc, meant that throughout the 1980's there was considerable interest in hi-fi and Sevenoaks were able to grow. By 1990, the company was established as one of the leading independent hi-fi specialists in the country.

More stores were opened and a number of the original shops were relocated. In 1995 the important decision was made to change the name to Sevenoaks Sound & Vision, reflecting the wide appeal of new audio visual products.

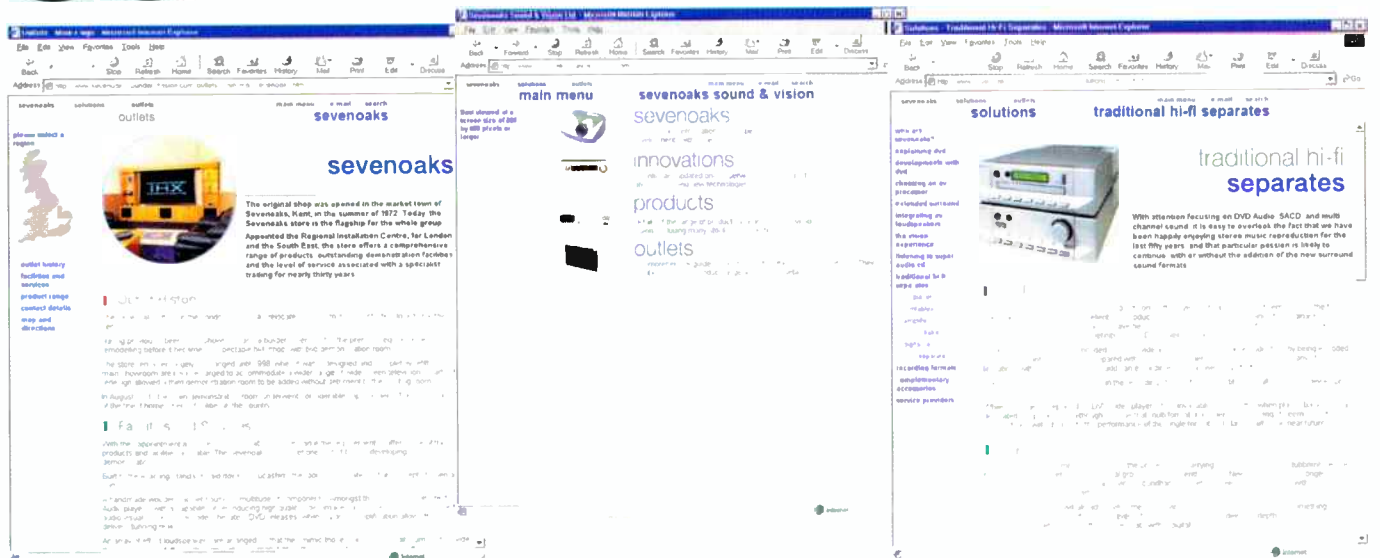
After twenty-nine years of trading, the company has more than forty outlets nationwide, and is for many of the UK's leading manufacturers of electronics and loudspeakers, their largest and most successful retailer.

The people at Sevenoaks appreciate that customers have a choice. This appreciation has meant that over the years Sevenoaks have had to adapt. As new products and technologies have arrived, the staff have been trained to ensure that they can explain the issues, simply and informatively. This orientation to customer service remains, and the implementation of a company charter is one example of this commitment.

By staying true to the original ideals of offering a wide range of the latest products, at competitive prices, and providing superb service in pleasant surroundings, Sevenoaks are able to listen, recommend, demonstrate and supply the products that best suit the needs of their many customers.

As the world becomes a more complex place and people search for entertainment and relaxation, Sevenoaks Sound & Vision believe that whatever the requirement, they have the solution.

sevenoaks online



www.sevenoaksoundandvision.com

The Sevenoaks Sound & Vision website has news and information on the Sevenoaks group and its 44 outlets nationwide. The website is designed to provide you with answers to the questions you may have when buying new equipment.

The site has comprehensive guides to a range of products and technologies from vinyl and compact disc to all the latest formats, including DVD Audio, SACD and widescreen plasma monitors and front projection systems.

There are regularly updated stock clearance lists with hundreds of products on offer and detailed pages to help you locate your nearest store.

For impartial advice and information, just click on sevenoakssoundandvision.com.



more entertaining World Radio History



scotland and north

Aberdeen 491 Union Street **01224 587070**
aberdeen@sevenoakssoundandvision.com

Edinburgh 5 The Grassmarket **0131 229 7267**
edinburgh@sevenoakssoundandvision.com **Open Sunday**

Glasgow 88 Great Western Road **0141 332 9655**
glasgow@sevenoakssoundandvision.com **Open Sunday**

Hull 1 Savile Row, Savile Street **01482 587171**
hull@sevenoakssoundandvision.com

Leeds 112 Vicar Lane **0113 245 2775**
leeds@sevenoakssoundandvision.com **Open Sunday**

Liverpool 16 Lord Street **0151 707 8417**
liverpool@sevenoakssoundandvision.com

Manchester 69 High Street, City Centre **0161 831 7969**
manchester@sevenoakssoundandvision.com

Newcastle 19 Newgate Street **0191 221 2320**
newcastle@sevenoakssoundandvision.com **Open Sunday**

Preston 40-41 Lune Street **01772 825777**
preston@sevenoakssoundandvision.com **Open Sunday**

Sheffield 635 Queens Road, Heeley **0114 255 5861**
sheffield@sevenoakssoundandvision.com **Open Sunday**

midlands and east

Bedford 29-31 St Peters Street **01234 272779**
bedford@sevenoakssoundandvision.com **Open Sunday**

Cambridge 17 Burrell Street **01223 304770**
cambridge@sevenoakssoundandvision.com

Ipswich 12-14 Dogs Head Street **01473 286977**
ipswich@sevenoakssoundandvision.com

Leicester 10 Loseby Lane **0116 253 6567**
leicester@sevenoakssoundandvision.com

Lincoln 20-22 Corporation Street **01522 527397**
lincoln@sevenoakssoundandvision.com

Norwich 29/29a St Giles Street **01603 767605**
norwich@sevenoakssoundandvision.com

Nottingham 597-599 Mansfield Road **0115 911 2121**
nottingham@sevenoakssoundandvision.com

Oxford 41 St Clements Street **01865 241773**
oxford@sevenoakssoundandvision.com

Peterborough 36-38 Park Road **01733 897697**
peterborough@sevenoakssoundandvision.com

midlands and west

Birmingham 12 Queensway Arches, Livery Street **0121 233 2977**
birmingham@sevenoakssoundandvision.com **Open Sunday**

Bristol 92b White Ladies Road, Clifton **0117 974 3727**
bristol@sevenoakssoundandvision.com

Cardiff 104-106 Albany Road **029 2047 2899**
cardiff@sevenoakssoundandvision.com

Cheltenham 14 Pitville Street **01242 241171**
cheltenham@sevenoakssoundandvision.com

Exeter 28 Cowick Street **01392 218895**
exeter@sevenoakssoundandvision.com

Plymouth 107 Cornwall Street **01752 226011**
plymouth@sevenoakssoundandvision.com

Swansea 24 Mansel Street **01792 465777**
swansea@sevenoakssoundandvision.com **Open Sunday**

london and south east

Brighton 57 Western Road, Hove **01273 733338**
brighton@sevenoakssoundandvision.com

Bromley 39a East Street **020 8290 1988**
bromley@sevenoakssoundandvision.com

Chelsea 403 Kings Road **020 7352 9466**
chelsea@sevenoakssoundandvision.com

Crawley 32 The Boulevard **01293 510777**
crawley@sevenoakssoundandvision.com

Croydon 369-373 London Road **020 8665 1203**
croydon@sevenoakssoundandvision.com **Open Sunday**

Epsom 12 Upper High Street **01372 720720**
epsom@sevenoakssoundandvision.com **Open Sunday**

Guildford 73b North Street **01483 536666**
guildford@sevenoakssoundandvision.com

Holborn 144-148 Grays Inn Road **020 7837 7540**
holborn@sevenoakssoundandvision.com **Open Sunday**

Kingston 43 Fife Road **020 8547 0717**
kingston@sevenoakssoundandvision.com **Open Sunday**

Maidstone 96 Week Street **01622 686366**
maidstone@sevenoakssoundandvision.com

Reading 3-4 Kings Walk Shopping Centre **0118 959 7768**
reading@sevenoakssoundandvision.com

Sevenoaks 109-113 London Road **01732 459555**
sevenoaks@sevenoakssoundandvision.com

Southampton 33 London Road **023 8033 7770**
southampton@sevenoakssoundandvision.com **Open Sunday**

Southgate 79-81 Chase Side **020 8886 2777**
southgate@sevenoakssoundandvision.com **Open Sunday**

Swiss Cottage 21 Northways Parade, Finchley Road **020 7722 9777**
swisscottage@sevenoakssoundandvision.com **Open Sunday**

Tunbridge Wells 28-30 St Johns Road **01892 531543**
tunbridgewells@sevenoakssoundandvision.com

Watford 478 St Albans Road **01923 213533**
watford@sevenoakssoundandvision.com **Open Sunday**

Witham (Essex) 1 The Grove Centre **01376 501733**
witham@sevenoakssoundandvision.com

stock clearance

With more than forty outlets nationwide, the Sevenoaks Sound & Vision group stock and display a wide range of products. As technology delivers improvements in performance, so individual models and product ranges are changed or superseded. The preceding models are made available at a reduced price, for clearance. Visit our Website for an up-to-date list of the clearance stock, listed by outlet, within the Sevenoaks Sound and Vision group.

0% finance option

Spread the cost of buying. 0% finance option is available on the vast majority of products we stock. Please ask in-store for details.

sevenoaks pricing policy

Whilst we do not claim always to be the cheapest, we try to ensure our prices are highly competitive. Take into account the expert advice, unrivalled product selection, demonstration facilities and excellent pre, during and after sales service and the lower price might not look such good value.

In the event you can find the same products and excellent service at a lower price, please bring it to our store managers' attention. We will always endeavour to offer you the best deal.

ROGUE



Andy Grove tackles a pair of American bruisers in the shape of Rogue Audio's M120 monoblock power amps.

The M120s are big American style power amps utilising four Sovtek KT88s per channel for their 120W per channel output. Driving these are two NOS (New Old Stock) 5814 (ECC82 or 12AX7) valves and a NOS 12AX7 (ECC83). The ironwork (which is hidden under the front mounted power bulge) was obviously pretty serious as these amps are heavy and would need to be placed on the floor or upon a heavy duty dedicated support. I chose the former option.

Their construction is high quality, with a solid bolted-together feel and attractive anodised front panel. My only gripe in this department was the speaker terminals which, although perfectly adequate electrically, seem out of place on the back of such a solidly engineered piece of equipment. Speaker impedance options are 4 and 8 ohms which are catered for by two independent sets of terminals. The component quality was also of high, with Dale resistors and SCR capacitors.

Unusually, these amplifiers sounded a bit dull at turn on, gaining more sparkle and openness after ten or so minutes of use. What was immediately obvious though was a

sense of latent power as I opened the evening's performance with a little of Beethoven's Fifth, conducted by another rogue, Otto Klemperer. The opening bars were typically dark and foreboding, the cellos and basses powering into the room in a sinister way.

This type of music obviously suited the M120s so I switched to the fourth movement of Beethoven's Ninth with its incredible vocal complexity. I tried two recordings/ conductors, once again Otto Klemperer and the other Josef Krips. Here I found that the M120s sounded somewhat dull unless the volume was increased; the choir gained openness and sparkle with increased volume.

These amplifiers showed they were capable of driving my QUAD 989s to greater than realistic levels. I couldn't say which performance was the better interpretation of the composer's intent, but on this setup the Krips performance was more pleasing to me on that day. It was less dark and introverted musically and the recording had a lighter treble which opened out the soundstage.

I changed to CD and spun up Massive Attack's *Mezzanine* to test out the very low bass. The M120s are

certainly not lacking in this area and exposed the qualities of the big electrostatics. Bass was deep and pretty solid. I could now understand my mental notes regarding what I had heard with Beethoven. These amps have a powerful liquid bass like a dark primordial lake from which the rest of the music emerges into the sunlight.

The acoustic drum recording used on the *Mediaeval Baebes* CD was also reproduced with power, underpinning the lightness of the girl's voices. I don't know exactly what sort of drum it is but it seems that the musician can let the skin continue to resonate or stop it dead, an effect expressed fully by the M120/989 combination. Once again a little more volume than usual was needed to open the amps up and create a good soundstage.

More conventional rock was reproduced very well indeed; the power of these amplifiers was in no doubt whatsoever. Whether it's Korn, Metallica or Jeff Healy the M120s give a live performance in your front room. The fire and angst of the metal bands can thrust you into your sofa like a Saturn 5 launch if you want it to (and you have speakers which can

TRADERS?

reproduce that sort of SPL). Jeff Healy's guitar work on "Confidence Man" was truly amazing. His gritty, bluesy voice came over with gusto as well; I could imagine myself in the studio with the band. The forward sound of the rock mixes suited the M120s well.

I went back to vinyl again for some lighter music and Beethoven's Violin Concerto, with Ruggiero Ricci, conducted by Sir Adrian Boult. This superb performance and recording was reproduced with true drama and passion and maybe, again, a hint of darkness. Musical expression came pouring out of the 989s. I could hear the organic woodiness of the violin's body and the shrillness of the fingered strings lighting up the performance.



Acoustic guitar was also reproduced very well (Rodrigo, Concerto de Aranjuez), although there was a trace of excessive smoothness to the sound.

The M120s have a smooth, silky presentation with very powerful, deep bass. Sometimes they could sound just a tad too dark and oily, maybe even sinister. This was great with some music but if you like a light and delicate sound then these amps are not for you. They are very powerful and seem to require a bit of throttle before they open up. Imagine

a high performance racing engine. Below 4000rpm the engine is reluctant; above that and you get neck breaking acceleration.

The M120s seem to be similar, it's not until they are working heavily that they give their best. Unusually, I would think that speakers like those of ATC with their lowish sensitivity but very high power handling and bright studio sound would be absolutely ideal with these amps. ■ ▲

Rogue Audio M120 monoblock power amplifier £2695 pair

Audiocraft
18 Hillingdon Rd.
Uxbridge
Middlesex
UB10 0AD
Tel: 01895 253340

MEASURED PERFORMANCE

Using parallel KT88 output valves per monoblock the Rogue amplifiers produce 98W per channel from their 8ohm tap. The 4ohm tap is equally efficient, producing 100W into 4ohms. Being 'load matched' valve amps are meant to produce the same power from either tap and this the Rogues do nicely. As valve amps go they are powerful of course and will have plenty of punch, especially since output held up well down at 40Hz and up at 10kHz, where core saturation and excessive reactance are respective problems on designs with poor output transformers. The Rogue amplifiers avoid these problems.

A bandwidth of 6Hz-24kHz down at one watt output shows

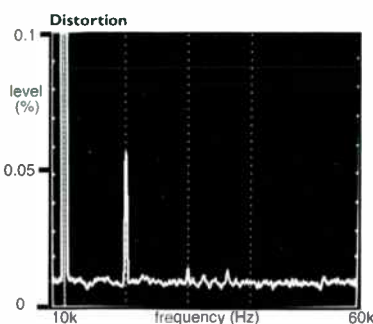
there's adequate bandwidth for modern programme, excluding SACD or DVD-A. Distortion levels were low enough, considering the main distortion component was second harmonic, levels measuring 0.14% at 1W in the midband and 0.22% at full output. At high frequencies performance held up well enough, even though a figure of 1.8% at full output suggests problems. However, with 100W available it is very unlikely this situation will even be approached.

Input sensitivity at maximum was a useful 70mV and noise low at -82dB.

The Rogue amplifiers proved powerful and basically well designed. They should give a good account of

themselves. **NK**

Power	98watts
CD/tuner/aux.	
Frequency response	6Hz-24kHz
Separation	78dB
Noise	-82dB
Distortion	0.006%
Sensitivity	70-300mV



World Verdict



Dark and powerful, the Rogues have plenty of bass and drive if not always tip top control. Work best when cranked up!

Our Beauty isn't only Skin Deep!



Quality amplifiers don't have to cost the earth!

icon Audio MC34-A

4x EL34, 2x 12AU7, 2x 12AX7. All hand wired. No printed circuit board. 2x 30 watts RMS. Audiophile components used throughout.

Even our price is beautiful ... only £599.95
Including delivery and 12 months guarantee including valves.

Try it for yourself for up to 30 days, full refund if not delighted. Visit our website for full description and detailed photo's (inc internal) www.iconaudio.co.uk or send now for our free info sheet, by phone or email.

SPECIAL OFFER order in January and get a Project phono pre-amp worth £40.00 FREE

icon Audio 351 Aylestone Road Leicester LE2 8TA
Phone 07787 158791. email sales@iconaudio.co.uk



We accept Visa and MasterCard.
CE certified



definitive audio

Living Voice • Lowther • Vitavox • Electrofluidics • Art Audio • Border Patrol
Canary • DNM • Sugden • Wavac • Lyra • Monarchy • Western Electric • EMF
Wadia • Michell • Stax • Tom Evans • Nott'm Analogue • SME • Van den Hul

Part exchanged and ex-dem clearance.

Sale New

Digital

Sugden Masterclass CD - new - boxed	£1900	£2500
Wadia 860x - ex dem - boxed	£4950	£7950

Analogue

Nottingham Analogue 'The Foot' - 12" carbon fibre tonearm - it's new and it's long	£700	£1100
Heliuss Cyalene - beefcake tonearm, Victoria sponge sound.	£500	£1350

Loudspeakers

Living Voice Auditorum - walnut	£900	£1500
Cadence DS - rosewood - give away	£600	£1750
Klipsh LaScala - black - zippy horn.	£1750	£3500
Quad ELS63 untidy bargain	£390	£3000

Amplifiers

Border Patrol 300B SE - with new Western Electric valves - light oak - the best SE available - New - excess stock.	£4000	£4500
Art Audio VPS - valve line pre-amp.	£600	£1400
Art Audio Diavolo - with 320B valves - chrome + gold - line integrated - juicy	£3500	£4700
Art Audio Concerto - 40w line integrated - black + chrome	£1500	£2650
Art Audio Concerto - 40w power amp	£1350	£2250
Joule Electra - 2 box phono pre-amp.	£800	£2000
Linn Classic - CD, amp, tuner, thing.	£500	£1000
Cary '2A3' - 7 watt power amp. 1992	£850	-
Cary 5500 - line pre-amp 1992	£550	-
Unison Mystery One PR+	£950	£1750
Tube Technology MAC - phono pre-amp - fully refurbished by manufacturer - including Hovland film and foil capacitors	£900	£1400
Tube Technology line pre-amp with separate power supply - fully refurbished by manufacturer - including Hovland film and foil capacitors and a stepped attenuator	£850	£1450
Audio Innovations S 500 integrated (+ phono) - 25w Class A	£550	-
Audio Innovations S 700 line integrated - 25w class A	£600	-

Tel 0115 973 3222 Fax 0115 973 3666

internet: www.definitiveaudio.co.uk email: shout@definitiveaudio.co.uk

THE AFFORDABLE PHONO AMPLIFIER

FROM TRICHORD RESEARCH

only £299.00 inc VAT (COMPLETE WITH TOROIDAL PSU)

DINO

Moving Coil
Moving Magnet
Switchable Gain
Switchable Loading
Super Regulators
Discrete Output Stage
Add a 'Dino+' PSU for true high end performance



WHAT HI-FI?
June 2001



FOR Sweet and revealing sound; fine soundstaging; upgradability
Against! Nothing we can think of.

Verdict! A great moving magnet/moving coil phono stage that offers a slice of high-end performance at a very competitive price

World Verdict



A real 'hi-fi' sound and all that many will need. Highly recommended.

October 2001

tel: +44(0)1684 573524
fax: +44(0)1684 577380

www.trichordresearch.com

HI-FI WORLD'S

GREAT COMPETITION GIVEAWAY

WIN ONE OF FOUR FANTASTIC VIDEOLOGIC DIGITAL TUNERS IN OUR MARCH COMPETITION



This month we have a bit of a treat for all regular competition entrants. We have not only one but four superb prizes to give away.

Digital Radio or DAB (Digital Audio Broadcasting) is the future of radio. More and more companies are signing up to the technology and now the market is spreading. However, one company has done more to promote the technology than any other in the country and it's not a specialist audio manufacturer, either.

VideoLogic Systems comes under the umbrella of Imagination Technologies Group. Founded in 1985, the company has introduced, via licensing arrangements or directly, a succession of innovative technologies, silicon chips and add-in boards, which have played a major role in the development of multimedia and computer-based entertainment systems.

Specifically, the VideoLogic division produces a range of products not only in audio but in 2D/3D graphics, home audio and video conferencing. Key products include graphics accelerators based on PowerVR technology and the Sirocco range of hi-fi quality PC speakers, as well as the DRX-601ES tuner that we're giving away here.

The stylish VideoLogic DRX-601ES is the second generation DAB tuner from the company. It has a stylish silver anodised aluminium front panel along with silver finish casework and controls. Further

introductions include blue LED indicators and an easy to read and smart blue and white display. Kevin Dale, the president of VideoLogic, says "The DRX-601E has been DAB's great product success story and the new DRX-601ES builds on that acclaim with its elegant design and our new PAC(tm) audio-optimisation technology. Never has digital radio looked or sounded this good at such an affordable price."

This optimised PAC(tm) Technology (standing for Psycho-Acoustic Compensation) helps to deliver a full and more natural sound than most other digital tuners available on the market.

The tuner is accompanied by a fully featured infrared remote control for the easy selection of main channel or secondary service broadcasts such as news, competitions or expanded information.

The DRX-601ES has high performance 24-bit / 96 kHz delta sigma digital-to-analogue converters for high-quality stereo digital audio, a low noise toroidal transformer power supply, fast auto-tune and service selection as well as nine station presets operated from the remote control.

When we reviewed the latest model in our last issue Noel

Keywood found it to be excellent value for money and a fine sonic performer, as well as being easy to use. It's without doubt and landmark product in the history of audio.

The four winners of this month's competition will find a DRX-601ES on the way to them and entering couldn't be easier. Simply answer the questions below on a postcard and send it to the address below by February 28th 2002. The first four correct answers picked out of our hat will be the lucky winners. ■ ▲

Hi-Fi & Computer Audio World Competition rules and conditions of entry

1. Only one entry per house hold.
2. Multiple entries will be automatically disqualified.
3. Purchase of the magazine is not a pre-condition of entry.
4. No correspondence will be entered into.
5. The Editor's decision is final.
6. No employees of Audio Publishing Limited, or of any companies associated with the production or distribution of the prizes may enter.

Competition Questions

[1] What does DAB stand for?

- [a] Digital Audio Bakery
- [b] Digital Audio Broadcasting
- [c] Digital Armed Broadcasting
- [d] Diabolical and Awfully Boring

[2] VideoLogic is a Division of which company?

- [a] Imagination Technologies Group
- [b] Imaginative Technologies Group
- [c] Information Technologies Group
- [d] All In The Imagination

[3] Who is the President of VideoLogic?

- [a] Kevin Day
- [b] Kevin Keegan
- [c] Kevin Dale
- [d] Chippen Dale

[4] What does PAC stand for?

- [a] Psycho's Assault Course
- [b] Physical Attributes Compensation
- [c] Psycho Acoustic Compensation
- [d] Plymouth Argyll football Club

March Competition
Hi-Fi World Magazine
Unit G4 IMEX House
The Park Business
Centre
Kilburn Park Rd.
London NW6 5LF

CONGRATULATIONS!

...to Mr. J. Moores, of Carmarthenshire, the winner of our January competition, who's system will be customised by The Chord Company shortly!

TURN IT ON



Arcam's top 'Full Metal Jacket' CD player has just had a thorough makeover. David Price tries out the brand new FMJ CD23T.

With its sweet, beguiling sound, the original Arcam FMJ CD23 silver disc spinner was most decidedly not broke, so why then - I wondered - did they need to fix it? The answer wasn't what I'd expected. Rather than some particular failing, fault or foible being chanced upon by the boffins up in Huntingdon, the new machine comes about thanks to the rather prosaic matter of component supply. Put simply, the CDM14 transport mechanism which the original enjoyed has now been given its marching orders by Sony and gone to the great CD graveyard in the sky. Suddenly, Arcam had to find something else to put in the hole where the old mech once was.

The answer was - surprise, surprise - a new Sony mech. But it wasn't that simple, because the new one came with a different CD Text-enabled dot-matrix display, so you couldn't use one without the other, and so on and so forth. More compatibility issues ensued, and so to cut a long story short, Arcam took the plunge and decided to do a full-on revamp of their star player - which, lest we forget, had not a lot wrong with it in the first place!

Aside from the new transport (which, incidentally, supports CD-R and CD-RWs far better than the previous one), there's a new dual layer motherboard with improved power supply grounding and improved buffering of clocks and audio data to give a cleaner signal.

The Ring DAC board is revamped with an improved master clock and clock output distribution circuitry. It comes complete with Pacific Microsonics' new PM200 Digital filter, and an improved passive audio output filter which is said to reduce distortion in the audio band.

To these tweaks you can add the former player's useful vibration damping, high quality power supply and exquisitely finished metal casing and front panel, along with its standard coaxial and optical digital outs round the back.

Despite all this new digital derring do, the heart of the CD23 remains the same. This is the much-vaunted 'Ring DAC' which first appeared on the Alpha some years ago. More than just a gimmick, it deploys some serious technology refined by dCS (Data Conversion Systems) based on research done in the UK in the 1980s on military aircraft radar. Combining multibit and Delta Sigma technology, it works by continuously varying the number and positions of the selected current sources from sample to sample, as though around a circle. This ensures the inevitable slight variations in the values of the current sources are randomly distributed throughout the quantising range, effectively turning tolerance errors into random white noise rather than distortion.

Ring DAC technology addresses the failings of both multibit converters (which work well when correctly adjusted, but are critically

dependent both on the tolerances of their resistor networks and on glitch-free electronic switching) and Bitstream DACs (which give poor signal-to-noise ratios, only overcome by heavy oversampling and noise shaping). The result, Arcam say, high linearity plus very low noise and distortion.

So much for the theory - what of the practice? First, its manufacturer's recommend the FMJ CD23T should get at least 150 hours of burning in before it's used in anger. This done, I powered up my Cyrus 7/PSX-R amps and Mission 782 loudspeakers and let rip. Despite the fairly extensive surgery, the new player sounds very much like the last one, just a little more so. What you get is all of the old model's beguiling, big hearted musicality, with extra depth, detail and grip added on.

I kicked off with Appaloosa's 'Travelling' (from LTJ Bukem's 'Earth Vol. One') - a powerful, expansive piece of drum and bass. As per the old model, the new CD23 loved it, even though it shouldn't have. This kind of music thrives in ultra grippy, tight-as-a-drum machines such as Naim's CD5 and to a lesser extent, Cyrus's CD7. The FMJ CD23, however, veers towards warm and sweet - so it's unusual to find a machine with 'the best of both worlds' - pleasing tonality and a vice-like grip on the rhythms. As well as summoning up big, fulsome bass lines and a panoramic soundstage, the FMJ proved incisive and grippy. 'Travelling'

AGAIN

is a rhythmically intricate piece of music, with a strong counterplay between bass, snares and looped hi-hats - and the Arcam signposted it up for all to enjoy.

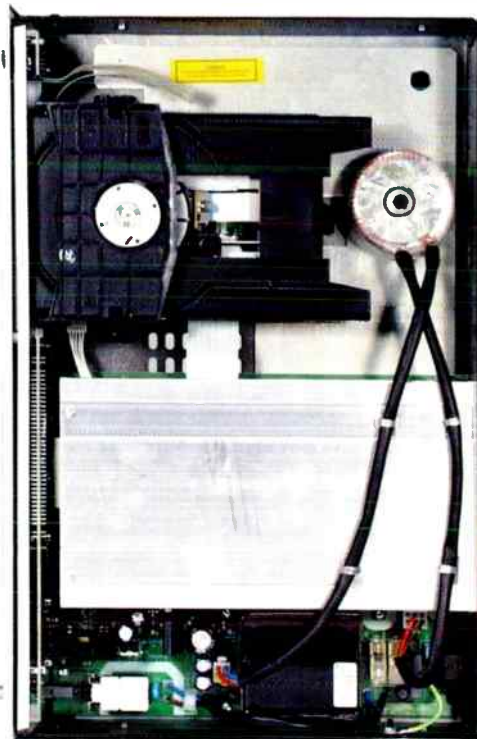
Moving to a slice of classic rock courtesy of Thin Lizzy, 'Waiting for an Alibi', the CD23 played another ace - its extremely natural and clear midband. This is immediately obviously on vocals - rarely have I heard Phil Lynott's voice sound so tactile and expressive. Better still, the Arcam strings all the different bits of the mix together in an infectious way, the result being a particularly involving and organic sound - dare I say, more 'analogue' than all of its immediate rivals, save possibly the Meridian 506.24. However obstructively complex the mix is, this player just 'lets the flavour flood out'. Importantly however, it doesn't sound showy in the way that rival Japanese players do (Sony SCD-555ES, you know who you are!) - it's musical.

Fleetwood Mac's 'Sara' was a delight - on lesser machines it's a lacklustre, lolloping old piece of seventies prog, but through the Arcam it was quite hypnotic; enchanting even. The CD23 duly separated the mix's component parts

into living instruments, all playing together joyously.

Feed the FMJ natural acoustic recordings, such as Lee Morgan's 'The Rajah' - using little more than a pair of crossed mics and a tape whirring away at 15ips - and you begin to suspect that this player sprinkles magic dust on everything it touches. It goes right for the musical jugular and lets the sun shine in. Put against the Naim CD5, and you begin to see what it's doing wrong. Bass is a touch too warm and possesses a little bit too much overhang, the treble is just a little too good (i.e. sweet) to be true and there's a subtle flattening of dynamics.

The new Arcam FMJ CD23 is not dramatically better than its forbear, but the mods have still injected some welcome bite and punch into what was already an extremely fulfilling listen. This player knows the difference between 'thoroughly recreating' the music and deconstructing it, whereas some of its more superficially detailed and punchy rivals do not. Better than ever, if you want a jack of all trades and master of many for under £1200, I can think of no other machine which comes close. ■ ▲



Arcam FMJ CD23 £1149

A&R Cambridge Ltd.
Pembroke Avenue
Denny Ind. Centre
Waterbeach,
Cambridge,
CB5 9PB
Tel: 01223 203203
www.arcam.co.uk

MEASURED PERFORMANCE

Traditionally Arcam CD players have had a response trace characterised by falling upper treble, which gives a softer sound. This new player moves away from this approach and will likely have a slightly brighter balance than the company's earlier designs. All the same, our analysis shows it is basically accurate and should, subjectively, have a natural enough tonal balance.

Noise and distortion levels were a little higher than the best rivals, as comparison with the Musical Fidelity convertor show, but the Arcam uses its own distinctive convertor technology and will likely have a sound influenced more by this than small measured performance differences, since the figures are still pretty good.

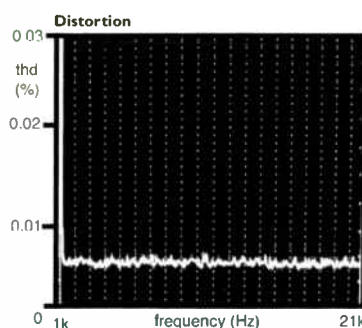
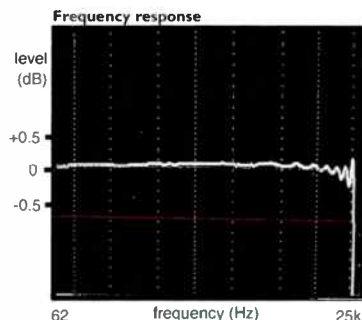
The CD23 measures well, even if it isn't quite a match for the best. **NK**

Frequency response 4Hz - 21.2kHz

	left	right
Distortion		
-6dB	0.005	0.005
-30dB	0.008	0.007
-60dB	0.48	0.47
-90 30	30	

	left	right
Separation		
1kHz	102	103
20kHz	96	97

Noise	-99dB
with emphasis	-99dB
Dynamic range	108dB
Output	2.3V



World Verdict
★★★★★

Supremely capable at the price, this player offers the best of both worlds - musicality and sophistication.



Probably the best CD Player money can buy.

Creek CD53 reference standard CD Player



You've heard the rest, now hear the best

With the advent of SACD and DVDA, you may be wondering why Creek have designed a new high-end CD player. Research has shown that while these new technologies allow for increased resolution, when plying discs recorded in the new formats, they are not so convincing at extracting the best from CD's. As CD has been around for 20 years, many people have built up large libraries of discs and want to get the best from them for years to come. Creek feel that a statement product is required to achieve this and have left no stone unturned in their attempt to achieve it. The CD53 is the ultimate reference standard, achieving the best performance money can buy. The CD53 uses a Philips transport, custom Creek software, ultra-low jitter master clock and waveform shaping, for maximum signal retrieval. In addition to its no compromise power supply circuitry, it uses professional standard balanced audio output filtering and buffer circuitry to provide the lowest noise and highest fidelity signal available.

Contact us for more details or visit our web site:-

Creek Audio Ltd, 2 Bellevue Road, Friern Barnet, London N11 3ER
Tel # +44 (0)20 8361 4133 Fax # +44 (0)20 8361 4136

email: info@creekaudio.co.uk internet: www.creekaudio.co.uk

LIVING DOLLS

The high-spec Avatar is the middle man in Living Voice's entry level Auditorium range. Simon Pope is suitably impressed. . .

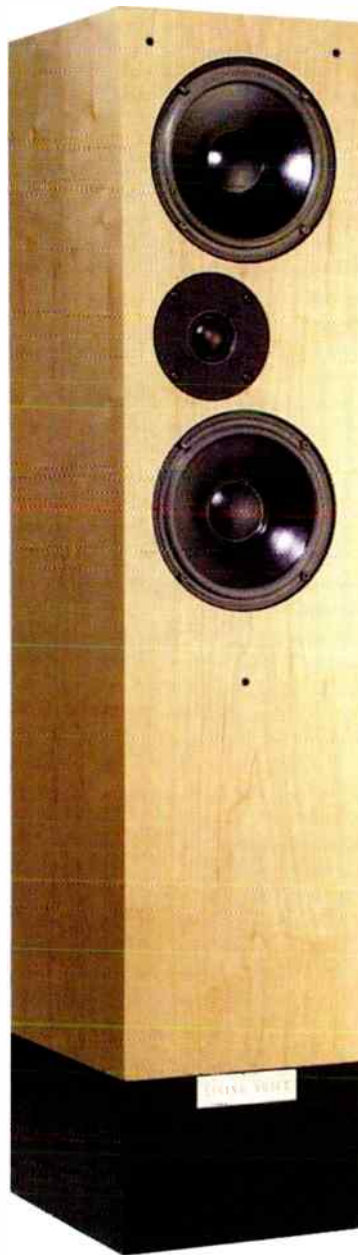
Ask any member of the hi-fi crowd to sum up the British speaker manufacturer Living Voice in one word and you can bet you'll get "horns!" as a reply. Or perhaps an affectionate "bonkers", as Living Voice are responsible for some of the most extreme British loud-speaker designs you can lay your paws on, such as the wardrobe proportioned Air Scout and matching Bass Bin which - price wise - you could trade in for a semi in Huddersfield!

The outfit is run by the amiable Kevin Scott who owns and manages the business under the umbrella of Definitive Audio, which also incorporates a successful distribution side. Apart from horn designs there is also a trio of more affordable, yet still high sensitivity speakers in the form of the Auditorium range, of which the Avatar reviewed here is the centrally priced model.

The look is non-fussy but attractive. The cabinet sits on a spiked metal base (best secured with a dollop or four of Bluetac) which raises the cabinet off the floor and nearer to ear height. Dimensions are 220mm x 280mm x 1035mm (w,d,h) and each speaker weighs a sensible 20kgs. Although relatively simple and functional and elegant, there's no skimping when it comes to design. The finishes available are premium grade matched Cherry and European maple, as well as Santos Rosewood and red Santos at an extra £100, with Ebony for a further £100. The cabinet is constructed using dense hardwood particle board, not MDF, with three

unevenly spaced frame braces. The drivers are in a d'Appolito configuration and consist of a Scanspeak D2905/9500 unit for the high frequencies and two Vifa bass/mid units that employ a paper diaphragm and a foam surround.

Living Voice reckon you'd be hard pressed to find a better equipped crossover than that used in the Avatar and on paper it's certainly a high-spec. page full. There's certainly some sophisticated components to be found, such as Hovland discrete film and foil capacitors from the USA that are used in parallel as well as in series arrangements. The inductors are hand wound in-house and the resistors used are adjustable. The crossover is laid out with "mutually orthogonal component orientation" which apparently eliminated 'crosstalk' and maintains a more stable filter crosspoint. Every component is apparently tolerated to two decimal places at a controlled ambient temperature to ensure correct matching and the whole shebang is also star earthed. No series resistors are used on the drive units, whose sensitivity is matched at the design stage. This, says Kevin Scott, allows extremely good coupling of the amplifier to the drivers, which he also states is helpful when using a high output impedance valve amp.



The technology used here may seem a tad long winded on the page but believe me it pays dividends, as the Avatars are superb sounding. Give them a nice uncluttered room and plenty of space to breathe and a warm, detailed and exciting sound will soon wash over you.

I used the Avatars with both valve and solid-state power in the shape of Quad's two-forty monoblocks (with a Creek passive preamp) and Sugden's excellent Masterclass Class A pre and power amps. Both turned out to be a fine match. With a vinyl source in the

COUNTDOWN TO



22 - 24 February 2002

10am - 5pm every day
at the Marriott Hotel,
Lower Castle St., Bristol

GETTING TO THE SHOW

By train: Temple Meads Station is a short distance from the Marriott and is accessible by bus, foot or taxi.

By car: from the M4 take J19 (M32 - Bristol). Follow signs for City Centre and RAC signs to the Show.



Easy local parking in Broadmead and Bond Street NCPs.

SOUND & VISION

THE BRISTOL SHOW

SEE & HEAR ALL THE LATEST PRODUCTS UNDER ONE ROOF, INCLUDING...

- ACOUSTIC ENERGY:** The AEGO P5 home cinema system and AEGIS EVO Series
- ARCA FURNITURE:** A stunning new furniture range
- ARCAM:** FMJ+ THX home cinema components make their UK debut along with the DiVA CD62 entry level CD player
- AUDIONET:** The UK launch of the this leading German electronics brand
- B&W:** The new VM1 range and the outstanding Nautilus™ 800 Signature
- CELESTION:** The revolutionary new AVF302 loudspeaker
- CYRUS:** Amazing new Icon X4 loudspeaker along and the latest DVD 7 & CD7Q high-end CD / DVD players
- NAIM AUDIO:** The UK launch of the amazing new NAC 552 pre-amplifier and other surprises are promised
- SPENDOR:** New 'S' Series loudspeakers
- WILSON BENESCH:** The new Odyssey Series including the Chimera loudspeaker
- WHAT HI-FI? SOUND & VISION:** There in person to answer all your questions

GREAT DEALS AND SPECIAL OFFERS AVAILABLE ONLY AT THE SHOW - PLUS YOUR CHANCE TO WIN SOME SUPERB PRIZES IN THE SHOW COMPETITION

ORGANISED BY



Great Value Sound & Vision

in association with



Admission

Adults £6.00; Students/OAPs/UB40s £3.00;
Accompanied children under 16 free

BRANDS ON SHOW INCLUDE:

A.R.T. Audio, Acoustic Energy, AR Phantom, Arca Furniture, Arcam, Atacama, Audionet, Audioplant, Audioprism, AVID, B&W, Bandridge, Beyer Dynamic, Boston, Bow Technologies, Bryston, Bullet Plugs, Cable Talk, Case Logic, Celestion, Chapter Audio, Cherished Records, Chord Electronics, Clearlight Audio, Connect Link, Creek, Cura, Cyrus, Denon, Diverse Vinyl, DNM reson, Echo Busters, Eton Subwoofers, Dynaudio, Eclipse, Ecosse, Elac, Epos, Emotive Excellence, Exposure, Fujitsu, Harman Kardon, Hi-Fi +, Hi-Fi Choice, Hi-Fi World, HNE Systems, Home Entertainment, Imerge, Ixos, Ixotica, Jamo, JM Lab, KEF, Klegg Audio, Living Control, Living Voice, Loewe, Marantz, Mark Levinson, Meridian, Michell Engineering, Miller & Kreisel, Ministry of Sound, Mission, Moon Electronics, Monster Cable, Musical Technology, Musicworks, Myryad, NAD, Naim Audio, Nordost, Optimum International 2000, Ortofon, Parasound, Partington, Pioneer, PMC, Primare, Pro-ject, ProAc, Prowire, PSB, Puresonic, Quad, Quadraspire, Redstripe, Rega, Reference Audio, REL, Relaxa, Resolution Audio, Revel, Roksan, RPG, Ruark, Russound, S.A.P., Sennhesier, Sequence, Sim Audio, Sonic Link, Sonus Systems, Sony, Sound Organisation, Soundstyle, Spendor, Standesign, Stands Unique, Stax, Steinhart Audio, Straightwire, T3, TAG McLaren Audio, Talk Electronics, Tannoy, Target, Teac, The Chord Company, The Direct Disc, Totem Acoustics, True Colours Industries, Tube Technology, van den Hul, Veda Products, Venus Futuretech, Veritas, Videologic, Vibe Technology, Vienna Acoustics, Vivanco, Vivante Music, Voodoo Isolation, VPI Record cleaning machines, Wharfedale, What Hi-Fi? Sound & Vision, Wilson Benesch, XTC, Yamaha and many, many more...

For the very latest information on new product launches check

www.bristolshow.co.uk

◀ shape of Bob Marley's 'Exodus' and Keb Mo's eponymous album I was treated to a highly detailed sound that had massive depth of stage and a fantastically unrestricted nature - this was truly an out of the cabinet experience. Bass was firm and commendably deep and the midrange information, including vocal lines was open and intricate without succumbing to the high-end sterility that I find creeping in to other designs.

That's not to say that the sound isn't dry, because it is slightly, but there's plenty of ambience and life here - which is essential in a high quality design.

Imaging was impressive too, with a realistic view of studio mixes which again kept the right side of the hi-fi/professional monitor boundary (the latter being sterile).

It was time to move on to classical music in the shape of my favourite tester (which also happens to be a peerless reading of the work in my view), Mahler's Symphony No.5 played by the Vienna Philharmonic under Bernstein on a DG CD. This recording sorts the men from the

boys when it comes to dynamics and scale and the Avatars responded resoundingly. The opening solo trumpet passage leading into the first orchestral tutti chord was blistering. When the full orchestra let loose on their entry I was almost pinned to the rear of the sofa - it was like a door opening, literally.

Also, all the rustles and podium shuffling was discernable which I find a great addition to the notes. I don't care what anally retentive recording purists say, it simply makes it more, well, live, which this recording actually is!

Tonal balance was very good. Strings were fluid and lyrical, brass full and rich and wood wind light and out of the box. When the orchestra played a crescendo it genuinely felt like it, delivering a full and aptly overbearing sound at the massive climaxes - a sound much bigger than the cabinets suggest.

I found the Avatars near faultless for what I seek in a box speaker. There's scale and detail (although not quite up there with my ESL-988s) as well as dynamics and punch. Bass is firm and tuneful (but can boom if not

carefully placed) and midrange open, whilst treble is smooth. These 'speakers can sound a little dry with certain over-compressed recordings but acoustic music is near perfect at the price.

The Avatars aren't a beefy big red Burgundy or a heady Claret but more of a well balanced Alsace Gewürtztraminer, full of freshness with a little kick of sweetness and spice - those of you unfamiliar with the tipples will have to take my word for it! They won't impress your mates with drop dead looks but neither are they intrusive - and musically they're tip top. Definitive Audio? Very nearly - highly recommended! ■ ▲

Living Voice Avatar £2500

Definitive Audio
7 Harrington Mills
Leopold Street
Long Eaton
Notts.
NG10 4QE
Tel: 0115 973 3222
www.definitiveaudio.co.uk

MEASURED PERFORMANCE

The unusual treated paper drivers used in the Avatar are massively sensitive, giving this modestly sized loudspeaker a whopping 91dB SPL sensitivity figure from one nominal watt of input. It is helped in this by having a low overall impedance of 5ohms, meaning it draws more current than a true 8ohm load, for any volume control setting. Users of solid-state amps will certainly notice that the volume control can be kept down. Valve amps should be set for a 4ohm load.

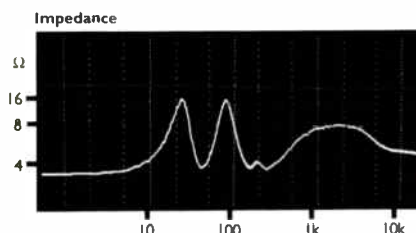
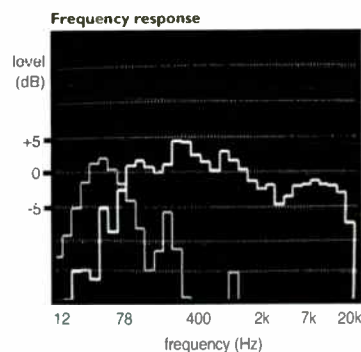
Sensitive loudspeakers get the best from amplifiers and in this the Avatars are helped no end by having an almost resistive load characteristic from 200Hz right up to 20kHz, as the smooth flat impedance trace shows. This makes the 'speaker very suited to low power specialist amps and valve amps, as well as conventional solid-state designs. It is one of the best loads I have measured.

As expected the drive units are not the smoothest in response terms, but they manage respectably well all the same. There's a shelving of high frequency output, but the treble unit integrates reasonably well and is smooth in itself, suggesting clean upper treble and good detailing. The 'speaker is balanced toward having a warm, full sound.

The port is well tuned to provide optimum damping, and it extends output down well to below 40Hz.

The Avatar is a well engineered loudspeaker that is quite special in some respects. It will get the best out of all amplifiers, being especially easy as a load and it is reasonably accurate too. Drive units like this commonly get coarse at high volumes, but providing they are not

pushed too hard the Avatars will likely deliver superb results. **NK**



World Verdict



Big sounding and highly detailed, the Avatars are a winner. You wouldn't or shouldn't want more at the price.

letters & e-mails

Visit our website at www.hi-fiworld.co.uk or send your e-mails to letters@hi-fiworld.co.uk

Every letter we print wins a superb prize including Precious Metals interconnects and a **FREE** subscription to **Hi-Fi World** for the best letter of the month!!

LETTER OF THE MONTH

THE PATH TO PERFECTION?

Help! I am totally confused about what to do next with digital. I have always liked CD and have resisted the temptation to upgrade it to SACD because I've been told 'the technology isn't sorted yet', but as it's been a few years since we first saw DVD players arriving on the shelves, I'm wondering if things are any closer to fruition? Is it true that the development of these new formats has been so slow that a well sorted CD player, such as the Meridian 506.24 you recommended last year, will outperform a similarly priced DVD or SACD player? Also, although I don't possess a turntable, I'd be interested to hear how a £1000 vinyl player would compare with a similarly priced SACD player?

Michael Evans
Wallingford

Good question. While much of the UK hi-fi press seems to be largely under-awed by either DVD Audio and/or SACD, I'm in no doubt that

they are the future of specialist audio. I say 'they' because I believe there will be more and more DVD Audio players that offer SACD thrown in, so you won't be forced to choose between the two. Compare the likes of Sony's SCD-555ES (SACD) or Pioneer's DVD 939 (DVD-Audio), both of which come in around the £1000 mark, and they'll kill any 16/44 CD player at any price when playing their respective 'high resolution discs'. What much of the UK hi-fi press seems to be obsessed about is their performance with ye olde Red Book CDs - which really isn't anything to write home about. This justifies the likes of Meridian's 506.24 or Arcam's FMJ CD23T playing the same Dinosaur digital discs.

The point then is if you want top quality 'legacy audio support' (as they say in the computer biz) then go for a finely honed 'trad' CD player, but if you intend to buy lots of new software in future then go for a new format player. Which? Get the one with the most software closest to your tastes available, and remember

the general rule - DVD-A sounds a little bright, SACD a little dry. Fortunately, us vinyl addicts who never really bought many CDs - and who still get new albums on vinyl - can now safely buy DVD Audio copies of our LPs (should we wish to keep the originals for special occasions), 'go digital' and not be too disappointed! Put, say, a £1200 Michell GyroDec/Origin Live RB250/Dynavector DV10x4 against any SACD or DVD Audio player and it will still monster it, but at least you'll be able to go back to the silver disc and enjoy it, whereas the CD would probably last all of 30 seconds before you gave up and went down the pub. **DP** ■



New players such as the Pioneer DV939 will lead the way for high res digital audio.

ARCAM

Visit www.arcam.co.uk

for Arcam news, product information, technical support and advice on how to get the best from your system

Arcam, Pembroke Avenue, Waterbeach, Cambridge, CB5 9PB, England
Tel: +44 (0) 1223 203203 Fax: +44 (0) 1223 863384
support@arcam.co.uk www.arcam.co.uk

||> ROCKING ALL OVER THE ||> OUT WITH THE OLD WORLD!

Over the past few years, my interest in music has been revived, thanks in some small part to your magazine. Being a bit of an old reactionary, my main source of listening is still vinyl, and accordingly I have owned in this time an LP12, a Roksan, Thorens 150, Regas, a Garrard 401, and even a strange circular shaped Ariston...what can I tell you, I do like to experiment!

However, I think my all-time fave must be the one and only Townshend Rock. Although not a leader in the "soundstage stakes" it more than made up for that with its fantastic speed and slam, especially when equipped with power supply. Now my favourite section in your magazine has always been the Olde Worlde column, and over recent years you've featured several turntables, including of late a Mission 775, which I also own. However, I don't recall any such feature on the "Rock". Surely it is about time that this most quirky example of British design received the recognition it so richly deserves?

Brian Lee

P.S. Can you give me some information on Dais Turntables?

Thanks for the kind words, Brian. Olde Worlde seems to chime with lots of readers, so you can look forward to many more voyages back to the weird and the wonderful of audio's past. The Rock has almost been conspicuous by its absence - I've been scratching my head whether to do an Olde Worlde on it, or pen a feature in its own right. As for the Dais, this was yet another madcap bit of seventies silliness - not totally dissimilar to Ariston's RD40 it has to be said - which got a few lukewarm reviews and then seemed to disappear without trace. If any readers know the rest of the story, then please email me at: editorial@computer-audio.co.uk and I'll get back to you. DP ■



Rock of ages

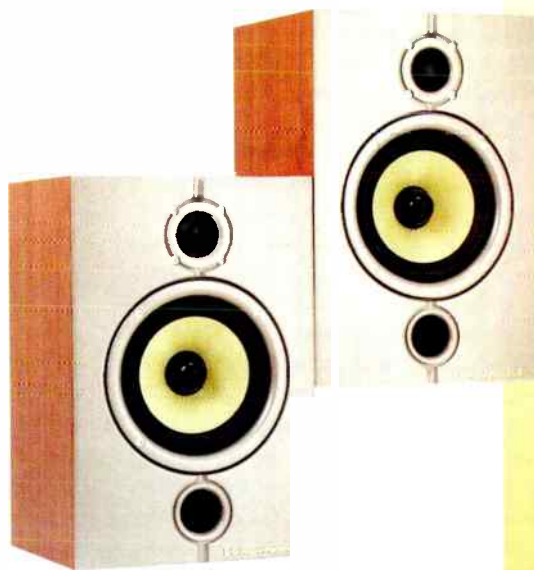
I wonder if you could suggest an amp and 'speakers which could do justice to my Sony CD player (CDP XB930E). My present set up is the Sony CDP with an oldish Aiwa integrated amp (XA-003), plus Wharfedale Glendale 3 'speakers. I'm sure my present amp and 'speakers are holding the Sony back, so to speak. The sound is mostly midrange thin, lacking in the high frequencies and it sounds rather muffled.

Can you suggest a good amp and 'speakers that would get the best out of my Sony? To complicate matters a little, my ears are a bit sensitive to deep bass, which causes me earache! I'm looking at spending £400-£500 for each category.

Thanks in anticipation, David J. Smith

It seems your new Sony CD player needs partnering with equally fresh and new equipment. The Wharfedale's are knocking on a bit and have the rather covered 'traditional' British sound so beloved at the time. You'll find newer models far more clean and, well, less muddy than the Glendales. Presuming you have up to £700-£800 to spend, there's one option available to you that would really make your system sing. Invest in a pair of Wharfedale's cracking new Diamond 8.1s and splash out a little on an amp such as the Cyrus 5. OK, so the Wharfedales are only £120 whilst the Cyrus is £500 but this is one combination that won't sound as unbalanced as it looks on paper. The Wharfedales are exceptional for the money, with a clean and detailed yet smooth sound and a solid cabinet which cuts down on bass boom (so you won't have to

take the pain killers). And what's more, they perform even better with more expensive amplifier partnering, a very rare trait in the budget 'speaker market. They're a great match for the Cyrus amp which will give you control and power in abundance as well as a very easy listening (in the best sense of the phrase!) appeal. The extra money from your budget will be well spent on decent 'speaker cable from the Chord Company to match your interconnect prize for getting your letter printed! SP ■

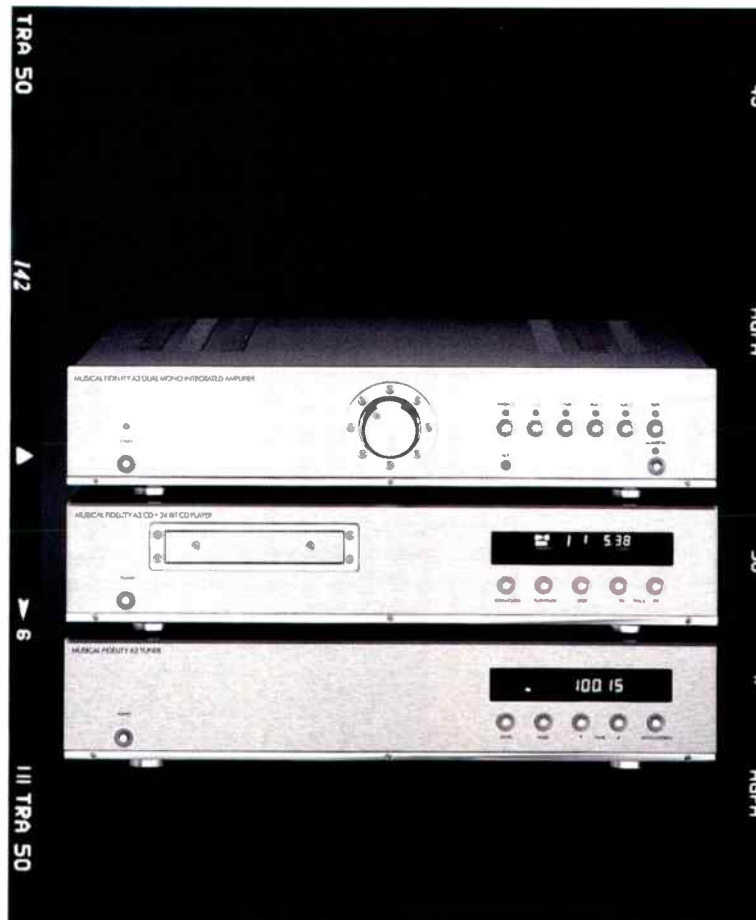


Partner the Diamonds with the Cyrus 5 for an unbeatable £600 combination.

||> THE VINYL FRONTIER

I have a query regarding my current system and am frankly stumped, despite the suggestions from my dealers which seem either too expensive or just not vinyl-friendly. It comprises a Roksan Xerxes XPS2/ Artemiz/ Dynavector DV20H, sitting on a Mana Sound Frame and Target TT1 wall shelf. I have an Exposure 15 integrated amp from 1993 and some 2001 KEF Concerto 2s. Cables are VDH CS122 single wired but I've split the crossovers and just bunged on four extra plugs; all seems fine. I also have an Arcam Alpha Plus CD player and some other bits and bobs. All of this is nicely set up in a 4x4m room with a boarded floor (rugs aplenty) and lots of absorbent furniture.

I have two questions and would be grateful for some advice. At quite high volumes the system is exactly what I am



A3 RANGE.

MACHINED, MIL-SPEC ALUMINIUM
FRONT PANEL.

TWENTY-FOUR CARAT GOLD
PLATED FITTINGS.

REMOTE CONTROLLED.

PHONO STAGE.

POWERFUL, ROBUST, BUILT.

MUSICAL FIDELITY

after, sounding clean, non-sibilant and nicely balanced. This suits the jazz, funk, vocal and guitar music that I mainly listen to, and also provides a nice mellow sound for the ambient/reggae and classical stuff at the other end of my collection.

The problem is the system could maybe be a touch more dynamic. At low volumes it sounds dead boring. Since the addition of a the high output MC I am suffering from hum as I am typically having to run at around double the gain compared to my previous MM to get the same output; what can I do about this?

Money is tightish but I'd go to about £1000 if it would be a real improvement. I am also finding that I need to improve my digital source. I am baffled by SACD/DVD/CD etc. What's your opinion on the way to go, or should I just continue as is until the dust settles and a winner becomes apparent? I would really appreciate some help. Can you assist?

Julian Shuttle

The weakest part of your system is probably your Exposure amp. In this situation, I'd have no hesitation in recommending either a Cyrus 7/PSX-R or Naim's entry-level '5 Series' pre-power, both of which come in at just a touch over your budget.

If you spend any less - i.e. on just the Cyrus 7 without the power supply, or on the NAIT 5 integrated - then you'll get a different sound but not a significantly better one.

Which to go for then? Ideally you should dem both combos with your speakers, but generally the Naim is likely to give you far more zip and speed with a brighter tonal balance. At low volumes it will sound a lot more bouncy and you won't be able to describe it as 'boring' anymore.

The Cyrus system will give more detail and bass grip than the Naim combo, with a slightly more even handed and less 'edgy' balance - essentially it's 'like your Exposure but more!'. Only you can decide which is better. Although the new 2010 Exposure integrated is a fine product (especially when used in conjunction with its power amp), it's unlikely to add the extra incision you'd get from the Cyrus or Naim.

Going for the Salisbury combo also gives you the chance to buy the matching £175 StageLine phono stage, which - with an input sensitivity

of 2mV - works perfectly with the Dynavector. If you go for the Cyrus, then I'd go for a Michell Dino at £299 - regrettably Cyrus has ceased production of its matching phono stage due to lack of demand.

You could also do with setting up your Roksan again, as these can drift out of tune and give a 'sat upon' sound.

As for the second part of your query, you're right to feel that your Arcam CD player is off the pace, so read on for my thoughts on the new formats available to you. **DP** ■



The Naim entry level pre/power combo could be the ideal partnership

II>PAP MUSIC

Recently I upgraded my old Denon/Dali system. I eventually ended up with a Papworth 200 mosfet integrated amplifier, Meridian 588 CD-player, B&W P6 speakers (purchased secondhand), Cardas Golden Cross speaker cables (bi-wired) and Harmonic Tech Truth Linc interconnects. Lo and behold, a tremendous improvement!!

The reason I went for the P6 speakers was because a friend of mine has them, and I think they sounded nice. And frankly, the secondhand price/quality ratio seemed excellent.

So what is my problem then? I have plenty of musical satisfaction, but a feeling of a lack of detail in the upper mid-range, as well as the treble. I seem to be lacking or losing some of the musical detail I would like to retain. Can the result be a product of the (mis)matching of the components or the acoustics? My listening room is a mere 12 sq m, the speakers are relatively close to the back wall, one of them close to a corner(!) But they are placed on Nordost Pulsar Points, each on a piece of cut marble. The floor is parquet, there

is a large carpet in front. Many have suggested the problem being the speakers and that I need to invest in a better pair. I would very much appreciate your opinion(s).

Thank You.

Peter Blum, Norway.

Greetings to Norway, Peter. I can't see that much wrong on paper with your set up but the problem may well lie in the matching of the Papworth with the B&Ws. I don't know the amplifier intimately but from my experience of Papworth mosfet

amps, they have a solid and controlled sound that has plenty of musicality and drive, plus oodles of power. This shouldn't be where the problem lies.

The B&Ws are good but they can be bettered for equal money these days. Mission's 782 floorstander is a very fine example of a highly detailed and fast loudspeaker with subtlety and musicality galore. If you can grab a listen to them with your Papworth you may find more of what you require. These can be picked up new for around £600 and should give you many happy years of listening. If you need more information on your Papworth amplifier you can check out their website at: www.papworthaudio.demon.co.uk.

SP ■



Papworth's mosfet amps have plenty of power and detail.

||► HALF A GRAND STAND

I have just moved house and am considering upgrading my speakers. My current system consists of: Marantz 63KI CD player Pioneer A400X amps x 2 Kef Q60 speakers.

I would like to purchase some floor-standing speakers to improve my existing setup and have a budget of approximately £500. Is there anything on the market that would work well with my current system? Obviously I must be able to bi-amp the speakers.

My musical tastes range from jazz to modern to classical. The dimensions of the room are: 15.6ft x 12.6ft. The floor is wooden. I would be grateful for any advice you can give.

**Yours sincerely,
Mr A Cooke**

Hi Mr. Cooke. There are plenty of options available to upgrade your (on paper at least) well balanced system, although ironically there's little around £500 itself. Whilst the classic Pioneer amps are slightly dated they still blow many more modern equivalents into the weeds, with their grip and punch, and are suited to

many of the new breed of midrange floorstanders. For a civilised, inoffensive all rounder bang on your budget you could give a listen to Castle's latest generation Pembroke speakers, which although not the fastest around will give a good account of themselves with your broad musical taste. You could also try to seek out a pair of Tannoy's fine Revolution R3s, which although priced officially at £550 can be had for less if you look around. They are totally involving but also subtle and lyrical. The same scenario goes for B&W's workmanlike and reliable DM603 S2.

Alternatively, spending £200 more on a pair of Mission's fine 782 floorstanders, with their mix of detail, bass drive and punch, will reap fine results even though it's quite a bit above your budget. If you want something a little rougher around the edges but perfectly fine and dandy when it comes to life and excitement Mission's m73s and the Wharfedale Diamond 8.3s can be had for around £200, leaving £300 to go towards a new conservatory or that long weekend away! **SP** ■



The excellent Tannoy R3s can be had for a song if you look hard

Enjoy music more

Forget all you know about valve amplifiers. Ask for a home trial of the RA-01 and prepare to be delighted.



RA-01 monoblock from £5995 per pair
Full-range, natural, detailed and expressive

*Renaissance
Amplification*

RA-01

22W triode amplifier

Available from:

Acoustic Arts – 01923 245250

audio solutions - 07787 543031

***Sounds of Music* – 01892 539245**

stoneaudio UK – stoneaudio.co.uk

Walrus Systems - 020 7724 7224

"These amplifiers really are a bit special." – Andy Grove, *Hi-Fi World*, December 2001

"Here was a sound you could leave playing all day." – Martin Colloms, *Hi-Fi News* September 2001

"The measured performance of this 300B amplifier is as good as it gets." – Noel Keywood, *Hi-Fi World*

"The whole performance was reproduced with musicality and emotion ..." – Andy Grove, *Hi-Fi World*

Distributed by Integrated Engineering Solutions Ltd - 023 8090 5020

www.hiendaudio.co.uk

► **MASTERING
REMASTERING**

Hi-Fi World is by a long way the most interesting hi-fi magazine on the market. I love the way you cover the spectrum from vintage valves to AAC - you have transformed the way I see hi-fi. It was reading World that opened up to me the possibility of transcribing music from LP to CD, and in the process removing the clicks, pops, scratches and rumble which drove me away from vinyl in the first place. I buy precious few CDs now, getting much more satisfaction from tracking down interesting music on vinyl which is unavailable on CD. My new hobby gives me great pleasure - thanks for getting me into it! I'm sure that more and more people are mastering their own CDs from vinyl and tape, so the answers to my questions on the subject will probably be of interest to many other readers.

My re-mastering setup comprises a Project Debut 2 with OEM Ortofon cartridge, Rotel RA820BX phono stage and Marian USB One, monitoring via Beyer DT231 headphones. I use Cool Edit 2000 with its Noise Reduction plugin. CD writing is organised by Easy CD Creator 4 and done by an external Hewlett Packard 7200 drive. I'm convinced that most of the rumble I hear from records is coming off the vinyl, because its characteristics vary from one LP to the next. If the rumble is in the grooves, wouldn't upgrading to a better turntable just exacerbate the problem? More generally, why should superior LP playing equipment not simply reproduce all the failings of the medium with greater precision and audibility? Following on from this, what would be the most cost-effective way of spending no more than £500 on improving my hardware?

I have progressed from Easy CD Spin Doctor via Goldwave to CE2000. I would have bought CE2000 in the first place, had I been better informed. I know of several other packages for click/pop and other noise removal (Arboretum Ray Gun and Steinberg Clean, for example). It would be invaluable to have a comparative review of the available vinyl restoration software in the magazine.

There are so many adjustable parameters in CE2000 noise reduction that it is not easy to get the best results from it without considerable trial and error. For example, it took me a lengthy process of elimination to find out that

CE2000 de-noising with FFT values lower than about 16000 can have an adverse effect on massed string tone, making it sound overly "processed"; and I didn't realise until recently that I should be recording and processing at 32-bit resolution, and converting to 16-bit only as the last stage before CD writing. It would be very useful to have a series of tutorials on general principles of audio restoration, and more specifically on how to get the best results from whatever software packages you assess as the best buys.

**Nick Marshall
Greenwich**

With regard to vinyl rumble, you make an interesting point, but it comes from incorrect assumptions. Much of the 'vinyl roar' you hear comes not from inherently noisy surfaces but the stylus's inability to track the groove properly. This is a result of an inferior pick up arm, and a poor turntable bearing that can't lock the movement of the stylus in the groove into the 'closed loop' that vinyl replay should be. Conversely, scratches, noise, clicks and pops tend to reduce - or at least become less noticeable - as you upgrade your turntable, arm and cartridge. This is because the deck lets the stylus trace the music hidden away in the groove much more accurately, and not get 'thrown off the scent' so much by all the general gunge and rubbish in the groove.

You'll be amazed by how upgrading your deck will make your disc surfaces quieter, not noisier. I can turn my system to full volume with my Michell Orbe/OL RB250/Ortofon Kontrapunkt B, whereas I wouldn't

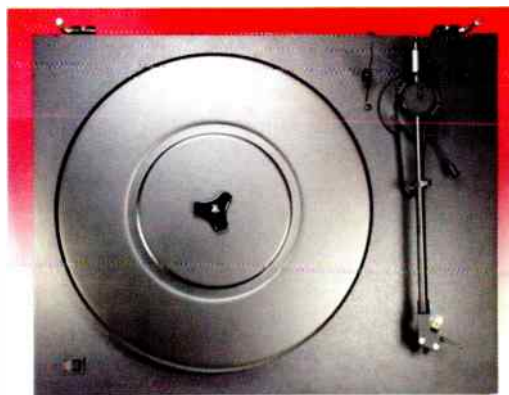
the Project is a fine deck, but not the greatest ever made. £500 lies awkwardly between a new super-deck like the £825 Michell GyroDec SE and budget decks such as yours.

If you can't stretch to the aforementioned in one go, I'd suggest a Rega P2 and Dynavector DV10x4 as a stopgap. The more expensive Regas are fine decks of course, but leave less upgrade room. So I'd go for the P2, and when funds allow send the arm off to Origin Live for the counterweight mod. When you can afford it, bolt your arm and cartridge directly onto a GyroDec SE for a superb sound. Then you can subsequently upgrade your phono stage to a Michell Dino, as the Rotel has a rather thin and analytical sound. This done, your 'remasters' will sound stunning!

I take your points about comparative reviews of vinyl restoration products and suggestions for their precise use and set-up - if only we had the space! I think it would be interesting if readers wrote in and shared their experiences in the letters pages, so all please feel welcome to do so!

Also, check out user groups on the Internet - anyone can type the name of whatever package they use into, say, Google (www.google.com) to find them. As for me, I believe Cool Edit Pro is probably the best around right now - not because I've exhaustively tested all the packages, but from what I hear from the boys at the Beeb who also use it. You can rest assured that anything from SonicFoundry, Steinberg and Syntrillium is top banana!

DP ■



dare go half as loud with my old 1985 Dual CS505-1, such is the difference in surface noise! As a result, you're right to want to upgrade your deck -

The Debut is a good player for the money. For added refinement you'll have to splash out more.

DUAL



Half as good, or twice as nice? David Price listens intently to NAD's brand new C660 CDR2 'double decker' CD recorder.

After the craze for single deck hi-fi CD recorders - as started by Philips CD-R870 way back in 1998 - comes the next big thing, double CD burners. Now, NAD has been pretty quick off the mark with a range of killer budget products of late - such as the T531 DVD/CD player tested last month - so it's no surprise that it's all over this new market segment like a rash. The C660 CDR2 shows the company's commitment - one look at the spec sheet confirms that it means business. Claimed to be the 'first true audiophile dual deck CD-R/RW recorder' (and the company may just be right about this), the C660 is brimming with bits which raise it above the fray. There's real engineering depth here - witness full MP3 playback with a Fraunhofer codec, which (as yours truly was the first to pronounce, way back when) is the best sounding way to play the aforementioned compressed audio files. Why play MP3s from CD-Rs? Well, apart from preserving your fave tunes 'knocked off' from the late and much lamented Napster, you can also squeeze ten hours of your own music compilations onto a single disc, with superior sound to MiniDisc. NAD points out that, working both decks in conjunction in MP3 mode gives you up to 20 hours of continuous music without changing discs, which is a four-fold

increase over the typical 5 disc CD changer.

Serious attention has been paid to sound quality and the digital conversion process. The internal convertors (analogue to digital and digital to analogue) are audiophile-grade AKMs, which accept signals from 22kHz to 96kHz sampling rates via a built-in sampling rate converter. The MP3 decoding is handled by a bespoke DSP (Digital Signal Processing) IC, giving custom control of the decoding process rather having to use an off-the-shelf, all-in-one chip.

Being a combined player/recorder, all copies are done in the digital domain, with optimised and short signal paths and all critical circuits running from the same clock. NAD claims this significantly reduces jitter, making for superior copies.

Indeed, this 'computer audio' theme runs throughout the whole design of the product - which attempts to straddle the gulf between olde worlde hi-fi and modern multimedia. Essentially, the NAD features two computer CD drives - one CD-ROM and another CD-RW - giving the capacity for 4x copying, along with the aforementioned MP3 playback and CD-R/CD-RW compatibility. Additionally, the CD deck will play unfinalised CD-R and CD-RW discs, which is a boon to those who don't want to wrap up their

recordings in one go.

The NAD will read and write CD text, and dub it onto the disc being copied (assuming the source disc carries it in the first place). Continuing the 'family jukebox' theme simultaneous or sequential playback of both decks is possible.

Despite its obvious flexibility, the product's DNA makes for a sober and parsimonious user interface - no gaudy brushed aluminium fascias or multi-coloured displays here! Oh well.

The upside of this is that its ergonomics are excellent; fuss free, they let you get the job done without a worry.

The usual transport controls for both decks can be found clearly labelled above their respective disc trays, and there's a row of ten buttons centrally placed, taking care of its various recording options and playback modes. Usefully, it features a front mounted optical digital input - to go with rear optical and coaxial ins and a twin optical and coaxial digital outputs.

This is all good, solid NAD best practice, but if only the 435 x 95 x 300mm fascia didn't look the same as the company's drearily styled mid-eighties budget fare - and feel no less flimsy! Still, the 5.8kg is positively obese by NAD standards - you wonder if they've ever had to design

CONTROL

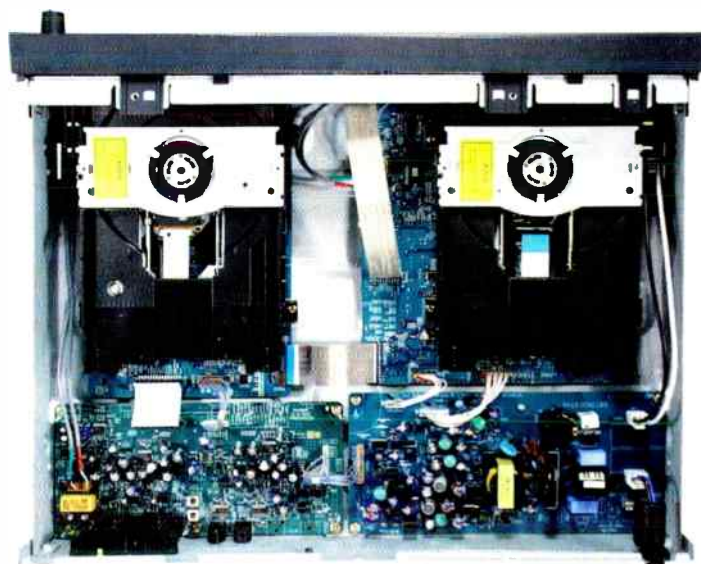
packaging capable of withstanding such loads before.

What then of the noises it makes? Well, you'd hardly expect Linn CD12 sound - but bandying the word 'audiophile' around (as NAD has done) rather raises expectations. I tried it against the aforesaid Scottish super-spinner in my World Audio K5881/Yamaha NS1000M system. Starting with the playback deck, I wasn't surprised to hear a fairly warm and beguiling sound - silky, soft but with plenty of life. This from an NAD - what are the chances of that happening? Essentially the C660 doesn't bite off more than it can chew - it invests everything it plays with a gentle musicality that when taken in isolation is most impressive. You can relax into the music, enjoy its wide soundstage, sweet highs and warmish upper bass. Only when you hear it against a pricier reference are you left wanting - the NAD lacks detail, incision, lower bass power and grip and upper midband and treble atmosphere. It obviously curtails things, but at least it does it pleasantly.

Ironically, its copying abilities far exceed its replay capability. At 1x

speed the NAD makes incredibly close copies - with just the merest scintilla of coloration. The stereo image recedes back towards the plane of the speakers a tad, bass is just a touch looser and treble loses a touch of atmosphere. Crank the old girl up to 4x and things barely change - there's just a fraction more clouding and lack of bite. Ironically though, through the C660 none of these differences are audible - it's only when you fire up something of the calibre of, say, a Cyrus CD7/PSX-R that you notice anything. Even through the CD12 with the volume at top whack it was hard to tell the difference.

Another piece of budget esoterica from NAD, then. My thinking goes thus: If you want to get into the CD recording game, then why not buy a double decker? If you're going to buy a double decker, then this is the one to have. Use it by itself and it makes perfectly nice noises, or plug it into a decent DAC and make it sing like a thousand quid CD player. If you've already got a respectable silver disc spinner, then you can just use the NAD for copying duties, which it will perform



four times faster than any single deck CD recorder. Now, before I dissolve in a puff of logic, I shall retire to spin off three copies of the new 4hero album - all for my own use, officer. ■ ▲

NAD C660 £349

Lenbrook UK Ltd.
Unit 2, Old Wolverton Road
Old Wolverton
Milton Keynes
MK12 5NP
www.lenbrook.co.uk

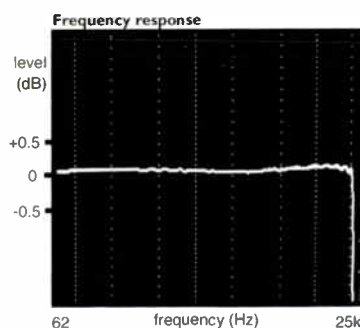
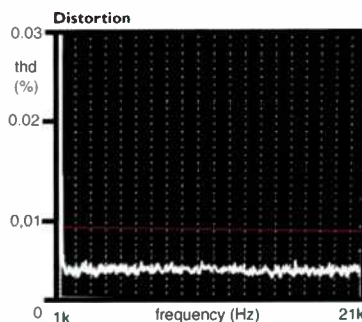
MEASURED PERFORMANCE

The C660 has a small amount of lift at the top end of its frequency response and may sound a little bright and forward as a result. It could well be that NAD are trying to balance out the warm sound they are known for here.

This player was very linear throughout its dynamic range, as the excellent dynamic range figure of 111dB underlines. There was little noise or distortion from the convertors so it will come over as smooth and clear.

With good channel separation and normal output of 2V NAD's C660 measures well and should give a lively sound with little digital harshness. **NK**

Frequency response	4Hz-21.25kHz		
		left	right
Distortion			
-6dB		0.005	0.005
-30dB		0.0085	0.006
-60dB		0.36	0.35
-90dB		29	
Separation		left	right
1kHz		108	108
20kHz		81	81
Noise		-107dB	
with emphasis		-107dB	
Dynamic range		111dB	
Output		2.0V	



World Verdict

Probably the best sounding double-deck CD recorder around right now. Factor in great flexibility and useful real-world facilities, and it's a bargain.

SAMPLED



After the praise heaped on the 3D CD player it only seemed sensible for Musical Fidelity to take the conversion and produce a dedicated DAC. Noel Keywood listens to the A3.24.

▶ **A**ll CD players produce rubbish. This is a common mantra from old vinyl die-hards like myself, but in this case I'm not insulting the CD yet again, so much as alluding to the real, measurable rubbish produced above 21kHz. You see, CD players are not meant to produce any signal at all above this frequency, but they do. Engineers use a less emotive term, they call it 'spurious output'. The problem is a little bit older than the CD, since VHF/FM tuners did the same thing, once new fangled stereo was introduced. Although we cannot hear these signals directly they can "fold down" by a process of intermodulation into the audio band, within any component in an audio system, from the player itself through to the loudspeakers. This is going to affect sound quality and some pundits would have it that the sound of a CD player is determined largely by the effect out-of-band rubbish has upon the partnering system.

Musical Fidelity's A3.24 convertor reviewed here is, they tell me, designed to minimise unwanted signals produced by the digital-to-analogue conversion and filtering process, using upsampling. This convertor accepts the digital output of a CD, SACD or DVD player and runs at either 98kHz sample rate or 192kHz. This allows more effective filtering to be used, giving cleaner output, in-band and out-of-band. In

effect, the new A3.24 lifts CD sound quality, bringing it closer to that achieved by SACD and DVD-A. Well, that's the suggestion.

The convertor is a sizable beast, taking up most of a 19in rack. It actually measures 44cm wide, 36cm deep and 9cm high. Power comes in through the usual IEC connector and there are co-axial and optical digital inputs for connection to either a CD transport or the digital output of a CD or DVD player.

A firm press of the button brings on a small array of intense blue indicators, one for power, two to show which sample rate is operating, 96kHz or 192kHz, two to show which of the inputs has been automatically chosen, and one to indicate signal lock.

Although the A3.24 successfully processes both DVD-A and SACD – and can do a nice job in reproducing them – nevertheless its "reason to be" is to process CDs and move them into the sonic (if not scientific realms) of high resolution audio. Input sampling frequencies are quoted here as ranging from 8kHz right up to 108kHz, meaning the A3.24 uses a sample rate convertor to allow it to handle virtually any input. It will handle 16, 20 and 24bit word lengths. If you want to fully access DVD-A and SACD in terms of bandwidth and channels, the loop through digital output can be taken to another

convertor.

I used the A3.24 with my venerable Teac P-30 CD transport, a budget Traxdata CD player to represent an upgrade situation and a Sony DVD player. The picture that emerged was a little more complex than I had expected, because the strengths of this convertor are concealed by mediocre digital recordings, which means a lot of modern CDs, especially when they rely on synthesised and heavily processed sound. There was little to be gained from Dido's No Angel, for example, just to mention a typical modern CD. If the A3.24 possessed a consistent benefit, like, say, outstanding bass drive, it would be apparent across most types of music, making reviewing in particular a relatively straightforward business. The strengths of the A3.24 are rather more elusive I found. With many CDs it offers a smooth, balanced sound characterised by a good sense of cohesion and quite rich detailing. With conventional CDs it started to sound impressive with sophisticated productions like Sting's Brand New Day. The shaky indeterminacy of conventional 16/44 CD, that sense of fractured reconstruction that comes from ordinary players was the property most effectively tackled by the A3.24. It brought a convincing sense of cohesiveness and solidity to instruments, fleshing them out

RATING

convincingly into full bodied worldly objects, whose physical being is attested to by familiar properties such as timbral richness and variation, and good variations of scale. Brand New Day slid smoothly by, a rich vein of detail coming from a deep, quiet background. The problems of digital are as much in the recordings as in the replay equipment, especially nowadays because of the heavily processed nature of modern music. Conversely, simpler recordings, like Renee Fleming's Madame Butterfly, came over surprisingly well. Again the A3.24 showed itself to be impressively 'silent', or free from digital noise. Renee Fleming had a full bodied voice that was both richer and smoother than usual; the A3.24 again excelled. It has the ability to be very good with quality digital recordings but I found not unexpectedly that it could dig no more from many of my classical DDD CDs simply because most are pretty shaky in any case.

Hooked up to a DVD player I got

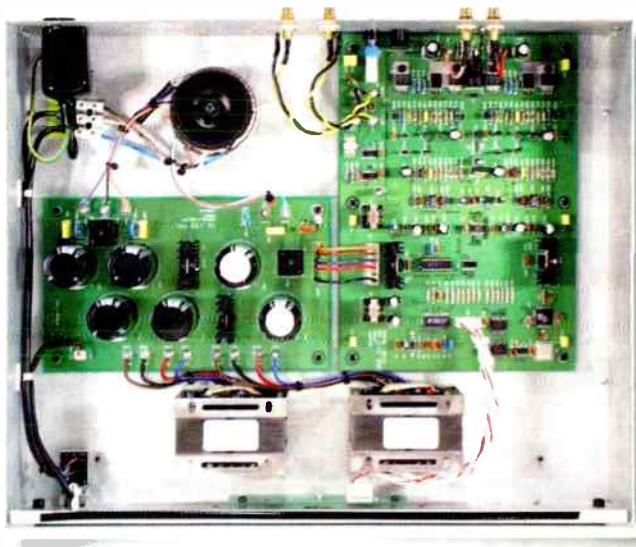
a better taste of what the A3.24 can do. Now able to play DVD-Audio discs I found the convertor could resolve their properties well, as well as get the best from good CDs. Living in your Eyes from Larisa Stow underlined how much cleaner and clearer a good digital recording can be, against what we are currently being served up.

At this point you might protest that no one who forks out for a DVD-A disc is going to be playing it through 22kHz bandwidth convertor. Perhaps. Technically it doesn't sound a very convincing idea but in practice what the A3.24 offers is quality playback of all formats, CD, DVD-A and SACD (but not mp3, AC3 or MiniDisc), giving an impressively smooth, rich and dimensional sound from good digital recordings. It's this flexibility,

coupled with excellent sound quality, that marks out the unusual ground it occupies.

Musical Fidelity A3.24 DAC £799

**Musical Fidelity
15-17 Fulton Road
Wembley
Middlesex HA9 0TF
Tel: 020 8900 2866**



MEASURED PERFORMANCE

The frequency response of this convertor runs flat to 20kHz when reproducing CD, with just a slight top-end lift. Against others the Musical Fidelity will have a slightly brighter presentation as a result. Like most modern high-bit convertors though this one is very linear, producing little distortion or quantisation noise relative to what has gone before. The smooth noise floor in our distortion analysis at -30dB shows this clearly. At lower signal levels the result was much the same, low levels of noise and distortion being shown by the analyser. The A3 is unlikely to suffer the graininess and harshness that digital distortion produces.

With good channel separation and normal output, together with an unusually wide dynamic range of

111dB, the A3 measures well in all areas. NK

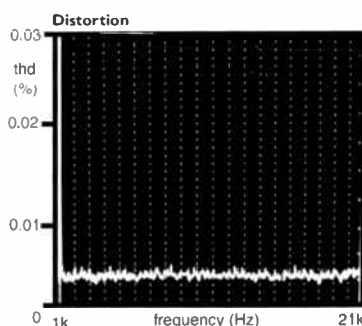
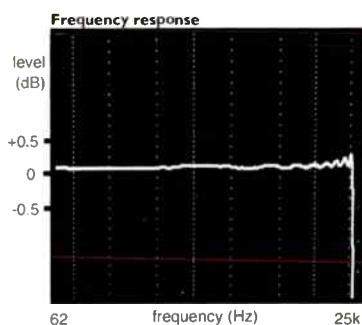
Frequency response 4Hz- 21.3kHz

	left	right
Distortion		
-6dB	0.006	0.006
-30dB	0.006	0.007
-60dB	0.33	0.34
-90	28	28

	left	right
Separation		
1kHz	108	108
20kHz	108	108

Noise	-115dB
with emphasis	-115dB

Dynamic range	111dB
Output	2.16V



World Verdict



An Interesting bit of audiophile kit that will put fine sparkle and depth into decent CD recordings and do its very best with bad ones.

GOING FOR GOLD

Origin Live's Silver 250 tonearm is the company's best product to date, says David Price.

► Roy Gandy designed probably the world's finest pickup arm in history - it's just a shame he didn't finish it. Forget SMEVs, Naim AROs, Linn Ekoses (great though they all are, in their way) - it is the RB250 that has given the most happiness to the most people. At this point we should credit someone for having the sense to realise this, and to take the design a step forward to finish the job. Was it inspiration or perspiration? We don't know, but whatever, Mark Baker from Origin Live take a bow! What he's done is effectively re-engineer the original 1983 Rega design, with all the bugs ironed out. Early on in its life, though, a number of folk got out the soldering iron and started rewiring it (with good results), but it wasn't until Mark Baker's counterweight mod - which addressed the arm's mechanical (as opposed to electrical) deficiencies - that the Rega arm really shone.

The OL Silver 250 is a synthesis of Rega tonearm base and OL arm tube, wiring, plugs and counterweight (and probably more, which Mark won't tell me about). At £599 it's a pricey piece of kit, but all tonearms are. Essentially you're paying for the development and build time.

Why pay six hundred spon for this when £300 (for an OL RB250) already monsters the so-called 'best pickup arm in the world'? I have to say this thought crossed my mind once or twice as I set it up on my Michell Orbe, and installed an Ortofon Kontrapunkt B.

Well now I know - it's stunning. That's as in amazing, awesome and gobsmacking. As in the difference between CD and DVD-Audio. As in night and day, good and evil, chalk and cheese. The Silver 250 is a stonkingly

good product and the very best tonearm I've ever heard. No, it still doesn't do unipivot-style 'liquid midbands', but comes oh-so-close, and you also get SMEV levels of bass grip and Ekos levels of foot-tapping musicality too - and more!

The 'more' bit comes from this pick-up arm's incredible tonal and timbral realism. It isn't something you're going to notice if you play dodgy club 12 inchers, because that's all digital, but delve into the depths of your pre-eighties vinyl (before digital got anywhere near anything important) and you'll be gobsmacked by how it sounds.

To kick off, it has an awesomely tight bottom end - oh-so-close to the acknowledged guvnor, the SME V. In fact it's probably within a whisker. Then there's the midband, which is a quantum leap from the already superb standards of the OL RB250 - glass clear, incredibly liquid, fantastic image precision, walkaround soundstaging and incredible timbral realism. It really is like 'being there'.

The treble is also transformed - the arm is shockingly open and airy up top. Female vocals (packed with harmonics, obviously) just soar up to the skies. It's incredibly smooth, natural, organic (unlike the frigid SME and the Ekos with its poor tonal colouring), and just cuts to the quick.

I could go on for ever about its



new levels of insight, its incredible liquidity, its amazing grip, its stunning low level detail and resolution, but I won't. Suffice to say that - on balance - this is probably the best tonearm in the world right now, and the £599 price tag is laughably low. If Mark Baker put this in a fancy box and hired a flashy PR, he could probably charge five times this amount. But he doesn't, and it's to his credit. The only cloud on the Silver 250's horizon is ye olde humble OL modded Rega RB250, which sounds duller and a noticeably less musical. The trouble is that until you've got a top turntable, serious cartridge, high end phono stage, preamp, power amp and speakers, you probably won't hear much of a difference. ■▲

Origin Live Silver 250 £599

87 Chessel Crescent
Bitterne
Southampton
SO19 4BT
Tel: 02380 442183
www.originlive.com

World Verdict
£👍👍👍👍

Words can't express how good this is - for vinyl junkies, this is one of the designs of the decade.

POWER PACK



The new Harman Kardon integrated amp is stuffed full of facilities and power. Dominic Todd straps himself in for the ride.

The new Harman Kardon amplifier range is a sign of the times. Where ten years ago there were at least seven amps available, now there's only one two-channel model in the range. Like everyone else, they're going for the audio/visual market with just a mere nod to good old hi-fi. Blame the Stateside fixation for home theatre.

Studying the specifications, at least HK haven't skimped on their solo model. Eighty watts per channel is claimed, with an impressive 75 Amp current swing capability to boot. Take a look inside, and those figures appear entirely believable. There's a hefty frame transformer power supply, flanked by separate left and right output stages. Each channel boasts twin 12,000uF output capacitors, explaining the serious current available.

In true Harman style, there's pretty much every feature you're ever likely to need. Twin 'speaker outputs, remote control, seven inputs and switchable tone controls are all included. Also standard are separate listen and record selectors and a moving magnet phono stage, both of which are becoming far rarer these days. An intriguing feature has to be the 'digital loop through'. This offers three digital inputs and a single

output. Perhaps it's a useful feature for someone out there, but for the majority it would seem something of a novelty.

In terms of its beefy persona and lengthy feature count the HK reminds me very much of what is probably its closest competitor, the NAD C350. Unfortunately it's also rather plasticity at the user end, with the tone controls also being particularly fiddly to operate.

The sound quality follows form too - to a degree. With Nelly Furtado's, '...On The Radio', it was immediately obvious that this was an amp true to the powerful transistor breed. There was a bold presence to the vocals, pushing them forward well into the room. As expected, the bass was just as deep and powerful as could be hoped for in an amp of this price. Separation between the instruments was clean and focused, and dynamic range was vividly reproduced. The HK had no problem in driving my 82dB 'speakers, clearly showing that here is an amp that doesn't know the meaning of the term, "difficult 'speaker loads".

On the downside, and unlike the NAD, such power does come at a price. There were times when the balance could become rather harsh. At easily attainable higher volumes

the sheer scale of sound had no problem pinning me to the seat, yet this can be more taxing than exhilarating!

Sir Adrian Boult conducting the London Philharmonic Orchestra, in Vaughan-Williams's 5th Symphony also showed the HK670 in a mixed light. This is a late sixties recording, yet still 'lush' and a fine rendition. Tonally, the piece came across as rather grey and uninviting. The orchestral synergy wasn't portrayed quite as well as it could have been. Nevertheless, the separation and sound and staging were fine. Not surprisingly, the Harman gave preference to the brass section, which sounded as vibrant and jubilant as one could hope for. Yet this was at the expense of the woodwind, which sounded rather grainy and synthesised by comparison. Although not the grandest or most dynamic of symphonies the amp did imbue a sense of swell to the music where necessary, and followed the score faithfully enough.

Grace Jones's 'Slave To The Rhythm' was more the Harman's style in many respects. There was the space, punch and drive that the track really needs to give of its best. Whilst it may not have captured every last nuance of percussion detail, there

EXPERIENCE THE CHORD EFFECT!

The first time you hear your sound system with Chord interconnecting cables will be the first time you've **really heard** it.

Be warned - the effect can be shattering.

Your eyes and ears will be opened. Your music will never sound the same again.

Specify Chord cables - Hear the light!



ANTHEM



RUMOUR 4



CHAMELION 2



SILVER S VIDEO

FOR SALES AND INFORMATION
CALL: 01722 331674 FAX: 01722 411388
E-MAIL: CHORD@CHORD.CO.UK
OR VISIT US AT WWW.CHORD.CO.UK

Audio Physic's Virgo loudspeaker has gained world cult status as the one to beat around £3000. Now – after seven years – there's a new Virgo ...

Invisible

Loudspeakers

Virgos project a holographic sound stage, with musicians precisely placed in **3D SPACE**, separated in width, depth *and* height. Close your eyes and you are there.

The eerie thing is: the loudspeakers "disappear". The sound stage just floats there, in the room.

Ever since a spectacular review in 1995 the Virgo has been in the US magazine *Stereophile's* highest "A" category, alongside other company's loudspeakers at **8 TIMES** the price.

Why change a winning formula?

The Virgo III has more even sound dispersion and a more rigid cabinet. It also borrows new **DRIVER DESIGN** from the more expensive Avanti III.

Virgo bass drivers are in the sides of the cabinet, opposing each other to **MINIMISE VIBRATION**. This layout also allows a narrow front baffle – about 6" – to **MAXIMISE IMAGING**.

Now the two active and two passive drivers are in a decoupled **CABINET WITHIN A CABINET** – isolated from the outer shell and the mid-range/tweeter section.

The results are a **FASTER, CLEANER** sound with even lower colouration, better bass extension and a top end ready for high resolution SACD.

The narrow front baffle also helps with domestic "INVISIBILITY"!

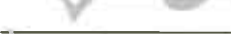
Customers say we make some of the **BEST SOUNDS** they have ever heard, so you know we can do the same in your home. Our advice will take account of your best components and guide you where change is needed, in stages you can afford.

You **AVOID EXPENSIVE MISTAKES**, enjoy music along the way and save money in the long run.

JUST LISTEN AND YOU'LL KNOW

The Right Note

More in the future



BATH

01225 874728

CD: ACCUPHASE, ADVANTAGE, AUDIO SYNTHESIS, BAT, dCS (ELGAR, DELIUS, PURCELL, GRIEG, VERDI), MERACUS, PASS, SAT, SUGDEN, WADIA. **VINYL:** BASIS, CLEARAUDIO, CROWN, JEWEL, DNM, GRAHAM, THE GROOVE, LEHMANN, MICHELL, SUMIKO BLUE POINT SPECIAL, TRANSGURATION. **AMPLIFIERS:** ACCUPHASE, ADVANTAGE, BALANCED AUDIO TECHNOLOGY, CAT, DNM, GAMUT, HOVLAND, NAGRA, PASS, SAT, SONNETEER, SPECTRAL, SUGDEN. **LOUDSPEAKERS:** AUDIO PHYSIC, AUDIOSTATIC, BKS, ETHOS, LUMLEY, NEAT, TOTEM, VERITY AUDIO. **TUNERS:** ACCUPHASE, MAGNUM DYNALAB. **CABLES:** ARGENTO, CHORD CO., DNM, HOVLAND, NORDOST, SILTECH, SPECTRAL, YAMAMURA, CHURCHILL ETC. **SUPPORTS:** ARCICI, KINABALU, STANDS UNIQUE

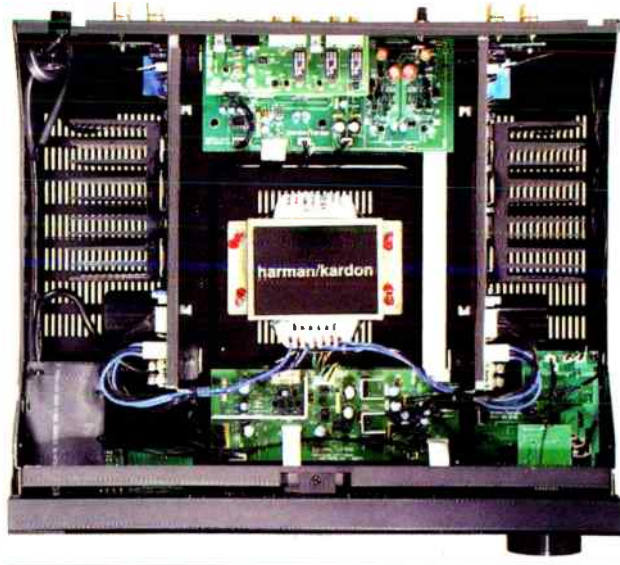
was enough to create a sense of depth and width to the sound stage. Because of the taught bassline, the timing also benefited, with there being none of the bass overhang and wallow that can afflict this track.

The same tight grip on the music also benefited Tricky's 'Black Steel'. The HK670 allowed plenty of verve and attack, whilst maintaining control, especially in respect to some of the softer, more ponderous bass notes. Unfortunately, what it didn't quite manage was a sense of listener involvement. Whilst the sound quality was technically good, it lacked that sense of engagement that its key rival is so good at.

In conclusion then the Harman Kardon, whilst having notable strengths, is compromised by the very design which gives such strengths. Although a competitor for the NAD C350, it's very much a powerful transistor amp of the old

school. That school being one of power, presence, broad staging and control. All good qualities in any amp', but not at the expense of other attributes. It's in terms of refinement where the NAD most shows up the HK670. At higher volume levels, the balance can become rather harsh. Female vocals begin to harden, and strings sound grainy and a little edgy. With gentler music, the plot is lost somewhat as the music doesn't ebb and flow, or show true timbre with acoustic instruments.

A curates egg of an amp then. For raw power, there's little to touch it in the traditional Harman mould, and you'd need to go for something like the £150 more expensive NAD C370 to get the same presence of sound. It could be ideal for anyone on a budget with a hefty 'speaker load and not too



concerned about the more delicate nuances of music. Those seeking something subtler should look maybe look elsewhere. ■ ▲

Harman Kardon HK670 £250

Harman Consumer UK
Unit 2 Borehamwood
Industrial Park
Rowley Lane
Borehamwood
Herts WD6 5PZ
Tel: 020 8731 4670



MEASURED PERFORMANCE

The Harman HK670 is powerful and well equipped. It produces a useful 84W into 8ohms, rising to 144W into 4ohms, more than enough to generate high volume, even in large rooms - always providing the 'speaker can cope of course.

Harman have long produced wide bandwidth amplifiers, with a frequency response extending past 100kHz. So this new requirement imposed by SACD and DVD-A is nothing new to the American company and the HK670 has no trouble in meeting it, with a -1dB point out at 130kHz. Harman amps have generally had a clear, open sound, partly as a result of this. At the other end of the frequency spectrum this amplifier reaches down to 15Hz. The tone control circuit affects response a little, but it can be switched out

This amplifier produces little steady state distortion, even feeding higher currents into a low 4ohm

load. Levels hovered around 0.005% in the midband and at high frequencies at low power outputs. Near full output worst case distortion measured 0.06%, primarily third harmonic. Again, this is the way Harman's always measure and it's a good result.

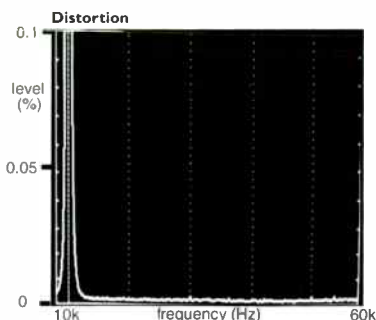
At 300mV sensitivity was high enough for most ageing sources, like cassette decks and older tuners, so this amp. can be slotted in as an upgrade.

Harman provide a phono input with accurate equalisation. However, sensitivity is relatively low and there's a little background hum measurement showed, so this is only for high output moving magnet cartridges.

The HK670 offers the usual neat set of measured results. It is powerful and distortion free.

NK

Power	84watts
CD/tuner/aux.	
Frequency response	15Hz-130kHz
Separation	80dB
Noise	-94dB
Distortion	0.006%
Sensitivity	300mV
dc offset	13/19mV
Disc	
Frequency response	5Hz-78kHz
Separation	76dB
Noise	-60dB
Distortion	0.008%
Sensitivity	5mV
Overload	110mV



World Verdict



Great sense power and grip but sometimes sacrifices subtlety and detail for outright attack.



SOUNDS



PERFECTION



**SPECIALIST IN ANALOGUE AND DIGITAL
WE STOCK**

J.M.LABS * LEXICON * PARASOUND * PRIMARE * PROJECT * TRIANGLE
* REL SUBWOOFERS * VIENNA ACOUSTICS * AVID * PROJECT * SME *
ROKSAN * STRAIGHT WIRE * MICHELL * ACOUSTIC DESIGN *
AUDIONOTE * MONITOR AUDIO * BOSTON * SUGDEN
AUDIO ANALOGUE * GRAFF * PHILOSOPHY CABLES

**PLUS MANY OTHER TOP BRANDS
NORDOST VALHALLA CABLES**

BAT VK 5i REMOTE PRE /VK60 POWER MINT BOXED	£4995
AUDIONOTE M3 PHONO EX CON MILITARY SPEC VALVES	£2295
SUGDEN MASTERCLASS POWER AMP BOXED MINT	£1795
AUDIONOTE QUEST MONOBLOCKS EX-DEM	£1895
PARASOUND DAC 2000 (JOHN CURL SPECIAL) ONLY	£995
VIENNA ACOUSTIC MOZART SPKS ROSENUT BOXED	£1095
AUDIONOTE OTO 5E PHONO MINT BOXED	£1095
J.M.LABS ELECTRA 905 SPEAKERS BLACK SUPERB AT	£795
AUDIONOTE P1 5E POWER AMP BOXED	£695
CHORD SPM 600 POWER AMPLIFIER	£1095
TRIANGLE ZEPHYRS X5 BOXED SLIGHT MARK	£425
VIENNA ACOUSTICS HADYN5 BOXED MINT	£475
PRIMARE A 20 AMP BOXED MINT	£395
PARASOUND CD-P 1000 CD PLAYER	£295
ARCAYDIS BABY 2 NEW BOXED £400 NOW ONLY	£295
PASS LABS ALPHI 3 POWER AMPLIFIER MINT	£1395
AUDIONOTE AN/JI 5PX BLACK EX CON. NOT BOXED HENCE	£795
ELEMENTAL AUDIO REF SPEAKER STANDS BARGIN AT	£795
MERIDIAN M60C ACTIVE CENTRE SPEAKER BOXED	£795
B&W CDM 7 SPEAKERS	£525
PIONEER 50 INCH SDT 5000 REAR SCREEN PROJECTION TV	£975
B&W DS6 THX SURROUND SPEAKERS	£275
REL STRATA BLACK GRITTEX	£225
REL STRATA III ROSENUT FINISH	£495
PARASOUND HC/A 1200 II POWER AMPLIFIER	£449
MERIDIAN 555 POWER AMPLIFIER	£495

SPECIAL OFFER ON DEMO UNITS

LEXICON MC 1 PROCESSOR MINT BOXED	£2995
LEXICON DC 1 LEVEL 4 SOFTWARE BOXED	£1495
ELECTROCOMPANET 4.6 PRE-AMP BOXED	£775
BOSTON ACOUSTIC 10X SATS SET OF 4 MINT BOXED	£795
AUDIONOTE CD 3 PLAYER BOXED	£775
AUDIONOTE ZERO PRE & MONOBLOCKS MINT BOX	£795
ALCHEMIST 2 24BIT CD PLAYER BOXED	£595

FOR FRIENDLY SERVICE CALL NIGEL

01326 221372

MOBILE:- 07798 554357

Email :- nigel@soundsp perfection.co.uk

kathryn@soundsp perfection.co.uk

Web :- www.soundsp perfection.co.uk

campaign audio design

Hi-Fi Cables Manufacturer and Supplier

“Love Hertz”



Getting a better, more involving sound often means spending a lot of hard earned money. It's such a waste, because every system can benefit from our cables and accessories, at a fraction of the cost of some new "black box". Here are some of the ways we can help.

We have Linear Crystal Oxygen Free Copper interconnects (£12.48) up to High Purity Silver balanced cables (£99.00) and high definition

loudspeaker cables in Silver Plated Copper or Pure Silver. Our mains cables add weight, power and scale, and with non-inductive RF filtering (£10.00) and over-voltage protection (£3.00) enhance performance still further. Gold plated AV cables, both RF (£19.95) and OFC Scart with PTFE insulation (£30.19), help bring picture quality in line with NICAM sound resolution.

We also have a cure for your noisy fridge or central heating motor (£3.50), enabling you to throw away your big mains noise suppressor, which has been giving you that "sat upon sound" for years. There's lots we can do to bring you closer to the emotion and energy of the performance. So confident are we, that we offer a 21 day money back guarantee.

Ring or write for details:-

**CAMPAIGN AUDIO DESIGN
Llandudno Road (HW)
Cardiff CF3 3PG
Tel:- 02920 779401**

Website: <http://business.virgin.net/cad.cables/>



Trade and International Enquiries Welcome.



FLOAT YOUR EQUIPMENT ON AIR



Introducing the Relaxa 1 equipment support.

This is the best Hi-Fi support you can buy today.

The shelf floats in air by magnetism

just like the platter on the Platine Verdier Turntable.

You will be totally amazed at the improvement it makes.

It works on CD players, Amplifiers, Dac's and of course Turntables

It's maintenance free, just fit and forget

Mail order available. Phone / e-mail for details.

Our agencies include: - Acoustic Masterpiece, Air Tight, Allaerts, Audiocraft, Avantgarde Acoustic, Koetsu, Leak Troughline Tuners, LYS, Ortofon, PHY-HP Loudspeaker Drive Units & Cables, S.A.P Relaxa 1 Supports, Schroder Tonearms, SME, TRON, J.C. Verdier and Western Electric.



Tel: (+44) 01895 833099

e-mail: sales@gtaudio.com

Hi-Fi Servicing

<http://www.gtaudio.com>



Hi-Fi Repairs

CLASSIC CUTS

Budding saxophonist Andy Giles simply gave up learning and played the triangle instead when he first heard John Coltrane's 1960 tour de force, GIANT STEPS.

Ever tried to play the saxophone? I mean, when you read that Bill Clinton puffs away at it (without inhaling, no doubt) you might get the impression that it's a doddle to play. It isn't. I tried it once – and found it a spitty, throaty instrument, not particularly user friendly. But then I'm not John Coltrane.

My first black girlfriend, at University in 1960, played saxophone and was studying Music. She lent me the latest John Coltrane LP 'Giant Steps' and, to my shame, I still have the record today – I never gave it back. It's a simply sensational recording and is right up there with Miles Davis's 'Kind of Blue' as an essential jazz fixture in any decent record collection.

Along with Charlie Parker, Coltrane is considered one of the most influential saxophonists in the history of jazz. Many tenor saxophonists have adopted his habit of playing long notes without vibrato. Others have borrowed the piercing, near-scream quality of his high notes; his extended, rapid runs up and down the range of the instrument; or his favourite melodic phrases. Numerous musicians have practiced and imitated entire solos of Coltrane's, such as his improvisation (music composed at the moment of performance) in 'Giant Steps'. Indeed, Coltrane inspired many to play the soprano saxophone, an instrument rarely used in jazz until he began playing it.

Coltrane was born in Hamlet, North Carolina, and grew up in nearby High Point. After graduating from high school he began studying the saxophone at a private music

school and began playing professionally in local bands. In 1947 he switched to the tenor saxophone and toured with alto saxophonist Eddie "Cleanhead" Vinson. When he worked for trumpeter Dizzy Gillespie from 1949 to 1951, Coltrane played both alto and tenor saxophones and when he joined the group of trumpeter Miles Davis in 1955; an important phase of his career began. During the two periods he spent with Davis (1955 to 1957 and 1958 to 1960) Coltrane gained an international reputation as a tenor saxophonist.

When Coltrane began playing the alto saxophone in the 1940s, he imitated much of Charlie Parker's bebop style, in which rapid melodic patterns are continuously improvised over chord progressions. However, by the time of his first important recordings with Miles Davis, Coltrane had developed his own style on the tenor saxophone. His high notes had an intense, emotional quality, and his melodies were extremely ornate and usually played without vibrato.

There is no better example of his eventual mastery of his art than in 'Giant Steps', released in 1960. The title track had (and still has) musicians reeling from the number of chord changes Coltrane negotiates in record time. But non-aficionados will also find huge amounts to enjoy on an album, which features some of the saxophonist's finest compositions.

"The music is the whole question of life itself," said Coltrane, "I'm not sure of what I'm looking for except that it'll be something that hasn't been played before. I don't know what it is. I know I'll have that feeling

JOHN COLTRANE GIANT STEPS



when I get it."

A quiet man, Coltrane committed his very existence to continually searching for more possibilities in his music -- and therefore, in himself. He would practice for hours, sometimes silently -- just running his fingers over the keys. He'd pick up new instruments and meditate and listen to recordings of Indian music and the sounds and rhythms of South African pygmies.

'Giant Steps' was an important development in Coltrane's career. It was the first set composed entirely of Coltrane originals. As passionate a soloist as he was, these tracks indicated how personal a writer he had become. All these decades later, the music is as fresh and invigorating as it was upon first release. 'Giant Steps' was the release that converted a number of listeners who had initially found Coltrane "difficult."

'Giant Steps' is a true masterpiece, containing two of Coltrane's most successful compositions, the full-speed-ahead title track and the lovely, subdued ballad "Naima." All the compositions are excellent, from "Cousin Mary" to "Syeeda's Song Flute" to "Mr. P.C." and the CD release is even better, with interesting alternative takes of five tracks. ■ ▲

The Original LP 'Giant Steps' was released on Atlantic 1311. The bonus track CD reissue is available on Rhino R2 75203.

**Exclusive
subscription
cable offer**

Visit Hi-Fi World and World Audio Design at the 2002 Bristol Sound and Vision Show sponsored by Audio T

As usual Hi-Fi World will be out in force at the annual Bristol Hi-Fi & Home Theatre extravaganza. We will have our own show booth where you'll be able to meet the staff, peruse the latest issue or simply pop in for a chat!

Also, we have a great subscription offer in conjunction with vinyl and cable specialists Origin Live. Subscribe to the magazine at the show and you'll have the opportunity to purchase one of their superb quality interconnect cables at a vastly reduced price, with a maximum saving of £60!

In the World Audio Design room we'll have our complete range of DIY valve kit amplifiers on permanent demonstration. We'll be featuring a range of integrated, pre and power designs, all at remarkably low prices. Come and hear just how good valve amps can sound - these are as good as it gets! Plus, you'll be able to browse through our selection of numerous books on subjects such as loudspeaker and valve amplifier design.

BRISTOL EXCLUSIVE!

The show will see the debut of our new budget kit, the World Audio Design 2A3 parallel single ended integrated. Be sure to check it out in our demo room!



SUBSCRIPTIONS

**UK Subscriptions
£27**

Special offer

upgrade your system with Origin Live's high performance

INTERCONNECT CABLES

offer open to new & existing Hi-Fi World magazine subscribers and visitors to the Bristol Hi-Fi Show 2002

Full money back guarantee if not satisfied

SAVE UP TO £60.00 PER PAIR

LAMINAR FLOW ULTRA INTERCONNECT

Normally £85 per pair

Show offer - £30 off at £55

LAMINAR FLOW REFERENCE INTERCONNECT

Normally £159 per pair

Show offer - £60 off at £99

offer ends
28th
February
2002

**THESE NEW AND INNOVATIVE CABLES
HAVE BROUGHT INSTANT RECOGNITION
- HIGHLY RECOMMENDED & USED BY REVIEWERS**

OVERSEAS SUBS RATES

Airmail Middle East & South-East Asia	£60	Airmail Europe	£50
Airmail USA, Canada, Australia, Japan, Korea & China	£70	Surface Mail	£40

Credit Card Hotline Monday - Friday 9.30am - 12.00 noon: Tel: +44 01923 270 833 Fax +44 01923 260 588

By post: Make cheque or postal order payable to: Audio Publishing Ltd, sent in an envelope marked: Hi-Fi World, Freepost LON3478, London, NW6 6YR

HI-FI WORLD SUBSCRIPTION FORM

I would like to pay by cheque made payable to Audio Publishing Ltd. Credit Card Airmail Surface Mail

Please debit my VISA/MASTER/SWITCH Card No. (Switch card issue No. _____)

Expiry Date: _____ Cardholder Signature: _____



Name _____
Address _____
Post Code _____
Daytime Tel: _____
Start Issue _____

CABLE ORDER

Send Laminar Flow Ultra Interconnects at £55 per pair including carriage:-

No of pairs = _____ TOTAL = £ _____

Send Laminar Flow Reference Interconnects at £99 per pair including carriage:-

No of pairs = _____ TOTAL = £ _____

FRENCH

Mani Sandher comes face to face with the 'baby' of the high end JM Lab Electra range, the 906.

► JMLab is a French company, which has been manufacturing high-end speaker systems since 1980. Landmark models include the massive Grande Utopia and smaller Utopia, both of which have received international recognition and acclaim. What differentiates JMLab from most other speaker manufacturers is its ability to produce all the components it uses in-house: drive units, enclosures and crossover/filter networks. Thus, it is able to control all aspects of its speaker research, design and manufacturing in a holistic way.

Here, we take a look at the Electra 906s, the smallest speakers in the company's Electra range. The 906s are two-way bass reflex speakers rated at a maximum power handling of 90W and an above average sensitivity of 90dB/2.8V/m. At 420x218x315mm and a weight of 10kg each, they're much lighter than I expected them to be given their build. Our review pair came in JMLab's 'Signature' finish, with red cherry veneer side panels and grey front baffles which may appeal to others but isn't my particular brew, I have to say. Unlike other French designs I can think of, such as those of Cabasse, you'll find two pairs of binding posts around the back to allow for bi-wiring or bi-amping.

The most striking feature of the 906s is the angled front baffle. JMLab call this the 'Focus Time' solution, which ensures that all frequencies from the drivers are focused on the listener and take the same time to reach the ear. The baffle itself is made of 50mm solid medium density

fibreboard, which provides a high inertia platform for the mid-bass driver and minimises baffle vibrations to the tweeter. The mid-bass drive unit is made from structural foam covered with skins of glass tissue. This involves an expensive manufacturing process, but is said to provide maximum mechanical stability and stiffness. Meanwhile, in an attempt to enhance the directivity of the speaker, the tweeter utilises an inverted dome. This gives high power handling and a frequency response that extends down into mid-range frequencies.

So, how does all this high technology sound? To find out, I connected the 906s to my reference system: Sony SCD-1 (heavily modified), Pass Labs XI/Aleph4, Purenote Epsilon interconnects and speaker cables. Placing the 906s on a

pair of 1m high stands ensured the tweeters were at my ear level when seated. I found this to be particularly important, as the 906s sounded distinctly odd off the vertical sweet spot. My preference was to place the 906s 0.7m from the rear wall and 2m from the sidewalls, which provided the best compromise between bass extension and tautness in my room. To ensure proper 'warm-up', the 906s were left playing before any serious evaluation.

Many components tend to immediately impress, or disappoint, in certain specific areas. The 906s give an immediate impression of sounding generally well rounded. But over an extended listening period they do stand out in one area above all, namely musicality. Timing, rhythm and pace are impressive. Get timing wrong, playing something like Tommy



CONNECTION

Smith's 'Blue Smith' SACD and you'll know about it. The 906s did an excellent job in this respect, even on the most critical track, 'Hubba Hubba'. The same was true playing Ricky Martin's 'Sound Loaded' SACD, with the Latino rhythms coming across loud and clear, especially on the opening track 'She Bangs'.

Next, I tried one of my favourite CDs at the moment, Blue Note's 'Blue Juice Squeeze'. This is a compilation of 60's and 70's Blue Note recordings that lack bass, contain loads of hiss, but manage to sound great all the same! The 906s reproduced Ananda Shankar's 'Dancing Drums' with great musicality. I love the opening organ on this track, which seems to 'dance' with the rhythm of the drums – just wonderful. This music was reproduced with a good sense of separation and depth also, creating a realistic soundstage.

The 906s are no slouches as far as mid-range attack and dynamics are concerned. They really shone playing the Tommy Smith SACD loud. Often, horns can sound strained through

many speakers when being replayed at high levels, but not the 906s. They remained pure, retaining their leading edge kick and impact.

Turning to low-end dynamics, the 906s were less convincing. Fast Floor's 'Eternal Dream' CD contains many deep, deep transients. The 906s just couldn't reproduce these faithfully. Hardly surprising given their size, but I still feel that they should have performed a bit better here.

I have to admit to being slightly disappointed with the 906s in terms of their naturalness and texture. Playing my CD of Beecham/Royal Philharmonic Orchestra performing Rimsky-Korsakov's 'Scheherazade', the full texture of the orchestra was lacking. This remained the case even on solos. The lead violin sounded thin and weak, losing a lot of its emotive content, which is such a shame. Generally, vocals didn't fare too well either. The customary tingle down my back was missing when listening to the opening few lines of 'La Vezina Catina' on FIM's 'Audiophile Reference IV' SACD. Here, Esther Ofarim's vocals sounded thin and

slightly boxy and not tonally full and smooth, as I know they should.

Overall, I enjoyed listening to the 906s because of their musicality. They managed to convey a great sense of timing, rhythm and pace and were also dynamic to boot. But they never lured me otherwise. I didn't expect them to produce bags of bass, and they didn't. But what they did miss was the full texture and tonality in the mid-range that I love. Even my beloved Aleph4 power amp couldn't get them to blossom out here. To many, this will not be as important as the areas in which the 906s excel. For this reviewer, however, the 906s just don't hit enough of the important targets in view of their high price. ■ ▲

JM Labs Electra 906 £900

Focal-JM Lab UK Ltd.
Lonsdale House
52 Blucher Street
Birmingham
B1 1QU
Tel: 0121 616 5126
www.focal-jmlab.co.uk

MEASURED PERFORMANCE

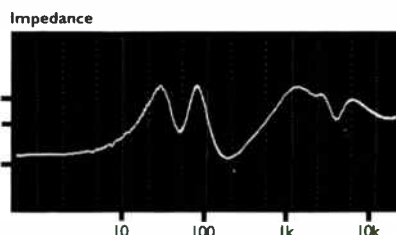
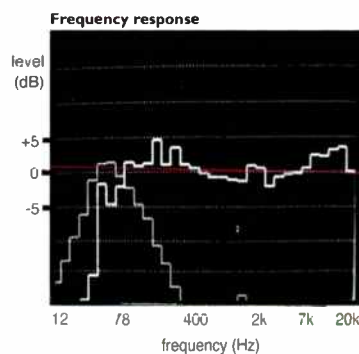
Like most French loudspeakers, although not all JM Labs, the 906 Signatures have rising treble output from their novel inverted dome tweeter. This unit has good dispersion and is well integrated in terms of phase alignment but the downside is that a lot of treble energy will be radiated into the room. The 906 is likely to have a fairly sharp sound as a result.

The novel bass/midrange unit has a smooth enough response, but bass output rolls away below 80Hz - quite a high frequency for the cabinet size. The port is also tuned high, to 50Hz. As a result the 906s will likely have dry sounding bass and will suit

near-wall placement. They do not go low for their size.

Sensitivity was a good 87dB for one nominal watt of input, especially considering the 8ohm impedance figure they returned under test. The bass unit dips to 5ohms minimum, but in spite of this the 906 draws less current than most rivals. In conjunction with a fairly smooth impedance curve it is an easy load for any amplifier and should get the best from it.

The 906 Signature is well engineered. It is likely to have a dry, bright and analytical sound that may well be a trifle cold and unengaging. **NK**



World Verdict



Very musical and cohesive 'speakers but somewhat lacking in midrange body.

PROBABLY THE BEST

NEW DEMONSTRATION ROOM NOW OPEN AT 12A SPRING GARDENS, NEWPORT PAGNELL,

KIT6550 VALVE INTEGRATED AMPLIFIER KIT & KAT6550 VALVE POWER AMPLIFIER KIT

£595

NEW KITS

£580



KIT6550
upgrade kit now
available £130



KaT6550
upgrade kit now
available £120

These are our new 6550 series amplifiers. A pure class A design providing 40 watts into a 8 ohm load, (available in a 4 ohm version if required) A truly high end design by Andy Grove, using Svetlana 6550Cs in push-pull (any 6550 or KT88 tube can be used with this amp). It features valve rectification (5U4) a choke pi filter power supply and is hard wired. Weighs 19kg with dimensions 390mm(w) x 330mm(d) x 190mm(h)

with valves or 220mm(h) with cage. Simon Pope says - "If you favour attack and rhythmic grip, together with a smoothness of sound that's incredibly easy to live with, the KIT6550 could well be the kit amp for you. The 6550 is one for those who like a valve sound married to the attack and clout of a good quality solid state design".

Kel84 VALVE INTEGRATED AMPLIFIER KIT

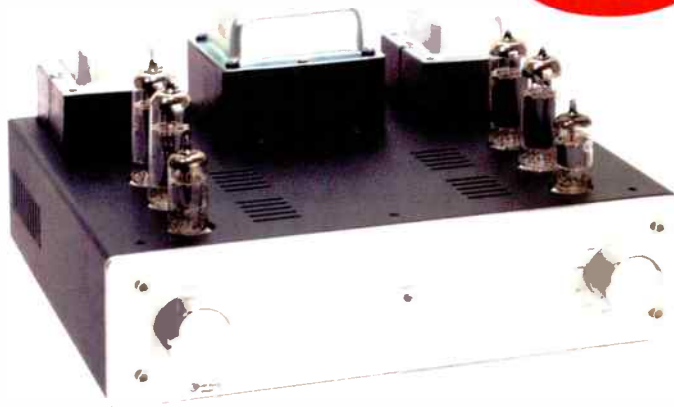
This is our brand new, low cost, beginner level amplifier kit. It features a pair of EL84 valves per channel in push-pull configuration. They give 15 watts into an 8 ohm load - plenty for medium sensitivity loudspeakers. The output transformers are Ultra Linear, keeping distortion down to a minimum. Up front the ECF80 input/phase splitter valve has an extremely smooth sound.

The Kel84 has very low hum, to solid-state standards. For simplicity the kit is built on a printed circuit board. A strong steel chassis is fronted by a 3mm anodised front panel and attractive chromed custom made knobs. There are five line level inputs, plus one monitor input, with a tape output included, all controlled from the front panel. The phono input sockets and 4mm banana socket speaker terminals are gold plated.

At rear is a mains switch, an IEC power input and an earth post. This kit is aimed at beginners. The instructions include pictures as well as diagrams, making them very easy to follow. At a UK price of £278.00 all inclusive you cannot ignore Kel84. Simon Pope says, "The quality that can be gleaned from this amp is a fine introduction to the joys of the valve sound. The Kel84 will highlight all the intricacies and depth of detail in your favourite recordings whilst retaining a warmth and fullness that is almost exclusive to pure valve amps and is rare at this price point."

Kel84 weighs 10kg. External dimensions with valves are 300mm(w) x 270mm(d) x 150mm(h).

£278



KAT88 VALVE POWER AMPLIFIER KIT

Here is the amazing KaT88. The circuit is similar to that of our popular KEL34 with a few changes to incorporate the Tesla, JJ branded KT88 power tetrode. This is a pure Class A push-pull design providing 36 watts into an 8ohm load. Andy Grove has come up with a gem of an output transformer (E/I). With the KT88 it offers a virtually unmatchable result for a valve amplifier. Frequency response measures 11Hz to 75kHz, separation 71dB, noise 98dB, sensitivity 400mV and distortion 0.03%. "As valve amplifiers go, the KaT88 is one of the best measured performances I have ever come across", said Noel Keywood. Jon Marks said, "The KaT88 pulled a series of surprisingly fast, meaty basslines out of its trickbag when dealing with Suzanne Vega's Nine Objects Of Desire album. As if this wasn't enough, the mid and treble were nice too - cymbals had a deliciously natural, golden shimmer without sounding soft, and vocals were extremely transparent and crisply defined. KaT88 didn't hang around when it came to exploiting the virtues of its four output valves on numbers such as 'Leaves' and 'Suspect Sustain' from Cirrus' Land's End Jazz CD. Saxophone had a wonderfully smooth, realistic character, and acoustic guitar mixed speed with harmonic richness to very impressive effect. Asian Dub Foundation and Moloko showed no sign at all of the sluggish, woolly bottom-end and poorly-delineated bass beats that most valve amps are to blame for. Which makes the KaT88 an all-round, high-end bargain." Weight 16kg, external dimensions with valves are 330mm(w) x 300mm(d) x 190mm (h).

£468



KIT88
upgrade kit now
available £150

KaT88
upgrade kit now
available £140

DIY KITS IN THE WORLD

MILTON KEYNES, BUCKS MK16 0EE - CALL FOR DETAILS ON 01908 218836

ALL NEW SERIES II MODULAR PRE-AMP KIT

The PRE-II is a valve pre-amplifier with six inputs, tape monitor and two sets of output sockets. It utilises a high quality line driver transformer and x5 gain. The PHONO-II is a dedicated valve phono stage that incorporates a step-up transformer for MC users. Finally, PSU-II is a power supply unit that feeds both the PRE-II and PHONO-II.

Power Supply Unit (PSU-II)	£195.00
Pre-amplifier (PRE-II)	£195.00
Phono Stage (PHONO-II)	£110.00
Moving coil step-up transformer	£77.00
Passive pre-amplifier (PAS-II)	£215.00

NEW!



KAT34 VALVE POWER AMPLIFIER KIT & KIT34 VALVE INTEGRATED AMPLIFIER KIT

£480



**KAT34
upgrade kit now
available £120**

KAT34 is a 32 watt stereo valve integrated amplifier, featuring a pair of EL34s, in push-pull mode, per channel, plus an ECF80 pentode/triode as input/phase splitter. The power supply is valve rectified (2 x SU4), using a heavy duty choke to achieve exceptional smoothing. The output transformers are 14% Ultra Linear tapped to keep distortion down to its lowest level and the kit is totally hard wired utilising three tag boards. It has five line level inputs, plus a tape-in and tape out, all controllable from the front.

NEW KITS



**KIT34
upgrade kit now
available £130**

£495

Simon Pope says, "This integrated bring together the best sonic virtues of our KIT88, kel34 and top of the range 300B PSE in an affordable package. The highlights of the sound are a deep and taut bass response, together with an open and highly detailed mid and high frequency response that only the best valve designs can achieve... a true valve classic".
Weight 22kg. External dimensions with valves fitted - 390mm(w) x 360mm(d) x 210mm(h)

300B PSE MONOBLOC KIT

Our Parallel Single Ended amplifiers offer ultimate sound quality. Each monobloc has two of the beautifully linear 300B directly heated triode in its output stage, producing 20 watts into an 8 ohm load. At the front we have a 6AU6 pentode and an ECC82 as the driver valve. This design utilises a SU4 rectifier valve in the power supply, in combination with a 10H choke, giving an extremely quiet supply. Both mains and output transformers we E/I pattern.

For purists, feedback is switchable and the kit is totally hard-wired. For those that require valves we provide the superb Tesla 300Bs, Russian SU4s and European 6AU6s & ECC82. Simon Pope says, "Not to put too fine a point on it, the sound these monoblocs create is among the finest that can be encountered in hi-fi." Our 300B PSE kit bears an affordable price of £875.00 (UK price) excluding valves. Each monobloc weighs 23kgs., external dimensions with valves: 25cm(w) x 38cm(h) x 22cm(d) per monobloc.

**300B PSU
upgrade kit now
available £150**

**£875
A pair**



KEL80 MONOBLOC AMPLIFIER KIT

Following the success of our budget KEL34 40watt kit amplifier, we have come up with a 'big brother' design. The output stage uses two pairs of TESLA EL34 pentodes in parallel-push-pull mode, allowing KEL80 to turn out 80 watts into an 8ohm load. Heading up the input stage we have the wonderfully linear Russian 6AU6 working into an American S687 phase-splitter. KFL80's output transformers are 4ohm and 8ohm tapped. With an input sensitivity at around 380mV for full output, it will happily partner both passive and active pre-amplifiers. It is easy to assemble. Simon Pope says, "The proof of the pudding is in the eating and the KEL80 is a feast for the ears, with solid bass attack, lightning fast reactions, that emphasises musicality as well as power. At £649.00 a pair, a definite valve winner. Each monobloc weighs 12kgs., external dimensions with valves; 14cm(w) x 8cm(h) x 43.5cm(d).

**£649
A pair**



HD83 VALVE HEADPHONE AMPLIFIER KIT

The HD83 headphone amplifier is a beautifully simple design using Mullard ECL83 valves, a triode and power pentode housed in the same envelope. It works directly from any source, be it CD, tape, tuner etc., or from an amplifier's tape out or pre-amp out sockets. The circuit uses high specification E/I output transformers that will drive any headphone load from 16 ohms to over 300 ohms depending on how the secondaries are wired up. The HD83 is a single-ended design with the power pentode wired up in triode configuration for added sonic purity, and it is as quiet as a mouse. For sound quality Jon Marks says, "The bass is punchy and controlled without becoming artificial, while treble has the crispness of the best

solid-state, with the tonal purity, delicacy and speed associated with valves." External dimensions 18cm(w) x 30cm(l) x 8cm(h) weight 4kg.

£195



World Audio design

PROBABLY THE BEST DIY KITS IN THE WORLD

NEW DEMONSTRATION ROOM NOW OPEN AT 12A SPRING GARDENS, NEWPORT PAGNELL, MILTON KEYNES, BUCKS MK16 0EE- CALL FOR DETAILS ON 01908 218836

KLS10 HIGH TECHNOLOGY COMPACT MONITOR

Our mini-marvel uses an Audax carbon fibre bass/midrange unit, married to the world's most advanced tweeter, the piezo-electric gold dome HD3P from Audax. KLS10 offers high performance from a small package. The main 'speakers' are designed to work alone, or with a dedicated subwoofer to extend their bass. Alone, they are suited to near-wall mounting and can be tuned by port adjustment to suit personal taste and location. They are easy to drive and need just 30-60watts. KLS10 is unique. Technically advanced, yet compact and relatively inexpensive, there is little to match it. Sensitivity 89dB 1W/1m, 1.5mm MDF, internal volume 9Ltrs, external dimensions 19cm(w) x 31cm(h) x 23cm(d).

Drive Unit & Crossover kit **£433.00**
Drive Unit only **£394.00**



£433

KLS10 GOLD SUBWOOFER

Designed to complement KLS10 Gold stand mounters by providing deep and open bass. The subwoofer is inexpensive, easy to build, comprising a simple crossover network with a high quality 8 inch Aerogel dual voice coil unit. A must for all KLS10 Gold customers. Sens. 89dB, volume 25 litres, external dimensions 28cm(w) x 43cm(h) x 34cm(d).

Drive Unit & Crossover kit **£164.00**
Drive Unit only **£78.00**



£164

KLS3 GOLD MK II ADVANCED TECHNOLOGY 3 WAY LOUDSPEAKER

KLS3 Gold uses the latest version of Audax's innovative oval gold dome piezo electric tweeter, giving it the sweetest and most extended treble. Married to a 4in. carbon fibre cone midrange driver for neutral and clear reproduction, and a powerful 8in. bass driver for superb depth, this is our top-of-the-line reference 'speaker'. Sensitivity 90dB at 1W/1m, 25mm MDF, internal volume 60ltrs, external dimensions 26cm(w) x 100cm(h) x 35cm(d).

Drive Unit & Crossover kit **£633.00**
Drive Unit Pack **£495.00**



£633

Upgrade your KLS3s to Gold status. Includes latest oval gold dome piezo tweeter and all components.

for

£363

Mains transformers & Chokes

KIT6550/KAT6550 mains transformers

2 inch stack, 130mm(h)x120mm(w)x135mm(l) drop through fitting with zinc cap. Secondaries: 0V-240V 300mA, 3.15V-0V-3.15V, 5.5A, suitable for 120V & 240Vac operation

KEL84 mains transformer

1.5 inch stack, 90mm(h)x80mm(w)x95mm(d) drop through fitting with zinc cap. Secondaries: 0V-240V 300mA, 3.15V-0V-3.15V, 5.5A, suitable for 120/240V operation

KIT88/KAT88 mains toroidal transformer

120mm dia. x 60mm(h), Secondaries: 195V-0V-195V, 390mA/0V-27V, 100mA/3.15V-0V-3.15V, 9A, suitable for 120/240V operation

KIT34/KAT34/KIT6550/KAT6550 choke

1.25 inch stack, 65mm(h)x105mm(w) with fitting holes x 60mm(d), clamp fitting, 2.5 H, 350mA

300B PSE mains E/I transformer

130mm(h) x 95mm(w) x 115mm(d), drop through fitting with zinc cap. Secondaries: 380V-0V-380V, 180mA/150-0V-150V, 25mA/0V-5V, 1.2A/0V-5V, 1.2A/0V-5V, 3A/3.15V-0V-3.15V, 0.4A suitable for 120/240V operation

KEL80 mains toroidal transformer (encapsulated)

130mm dia. x 65mm(h), Secondaries: 195V-0V-195V, 390mA/0V-27V, 100mA/3.15V-0V-3.15V, 7.5A, suitable for 120/240V operation

HD83 mains toroidal transformer

80mm dia. x 35mm(h), Secondaries: 0V-165V, 75mA/3.15V-0V-3.15V, 1A, suitable for 120/240V operation

PSU-II mains toroidal transformer

80mm dia. x 35mm(h), Secondaries: 0V-270V, 60mA/0V-10V, 2A, suitable for 120/240V operation

TRANS I mains toroidal transformer

95mm dia. x 50mm(h), Secondaries: 0V-370V, 150mA/0V-6.3V, 3.5A 300B E/I choke 65mm(h) x 70mm(d) x 80mm(w) open frame fitting, 10H, 180mA.

KEL84 E/I choke

0.5 inch stack, 40mm(h)x35mm(d)x70mm(w) clamp fitting, 1H, 250mA

PSU-II E/I

40mm(h) x 35mm(d) x 70mm (w) clamp fitting, 15H, 20mA

KIT34/KAT34 mains transformer

2.5 inch stack, 120mm(h)x115mm(w)x95mm(d), drop through fitting with zinc cap. Secondaries 365V-0V-365V, 300mA/0V-5V, 6A/3.15V-0V-3.15V, 7.5A. Suitable for 120/240V operation.

Output transformers

KIT6550/KAT6550 E/I 16% TAPPED UL push-pull output transformer 2 inch stack, 80mm (w) x 95mm(l) x 100mm(h), drop through fitting with zinc cap. Primary-secondary 4.5K, 16% UL tapped. Secondary 4 Or 8 ohm, pls specify on order, max output 45 watts, max current 180mA, valves, KT88, 6550 etc

KEL84 E/I Ultra Linear push-pull output transformer 1.25 inch stack, 76mm(h)x65mm(w)x76mm(d) Primary - secondary, 8K with 12.5% UL tap - 8ohms, max o/p-15watts, max current 150mA valves EL84 etc

KIT88/KAT88 E/I push-pull output transformer 80mm(w)x95mm(l)x100mm(h), Primary-secondary 10K - 8ohms, max o/p-40watts, max current-160mA valves-KT88, 6550, EL34

KIT34/KAT34 E/I 14% tapped Ultra Linear push-pull output transformer

2 inch stack, 80mm(w)x95mm(l)x100mm(h), drop through fitting with zinc cap. Primary-secondary 6.4K, 14% UL taps, Secondary 8ohm, max output 34watts, max current 150mA, valves EL34, 6L6, 6CA7

KEL80 E/I parallel-push-pull output transformer 95mm(w)x115mm(l)x133mm(h), Primary-secondary 4.6K - 8 & 4ohms, max o/p-80watts, max current-250mA valves-EL34, 5881, 6L6

HD83 E/I single ended output transformer 40mm(w)x50mm(l) x55mm(h), Primary-secondary 4K - 4 x 64ohms windings, max o/p-1watts, max current-25mA valves-ECL83 etc

Pre-II E/I driver transformer 80mm(w)x60mm(l) x65mm(h), 6:1 step down transformer, max current-10mA valves-6922 etc pre-amp stage

300B PSE E/I parallel single ended output transformer

130mm(h) x 95mm(w) x 115mm(d), drop through fitting with zinc cap. Primary 1K5 Secondary 8R, output .

Printed circuit boards

- Kel84 Printed Circuit Board 280mm(w) x 135mm(l) x 1.6mm(d).
- KIT88/KAT88 Printed Circuit Board 140mm(w) x 310mm(l) x 2.4mm(d)**
- Kel34 Printed Circuit Board 140mm(w) x 310mm(l) x 2.4mm(d).
- Kel80 Printed Circuit Board (a pair) 120mm(w) x 215mm(l) x 2.4mm(d)**
- HD83 Printed Circuit Board 140mm(w) x 160mm(l) x 1.6mm(d).
- PSU-II Printed Circuit Board 105mm(w) x 130mm(l) x 1.6mm(d)**
- PRE-II Printed Circuit Board 105mm(w) x 130mm(l) x 1.6mm(d)**
- PHONO-II Printed Circuit Board 105mm(w) x 130mm(l) x 1.6mm(d)**



Hi-Fi World in Malaysia at Millennium Hi-Fi & Av. Kuala Lumpur, Malaysia

Hi-Fi World is now distributed through good bookshops and newstands in Malaysia. For back issues, general enquiries and advertising, contact Simon Chang at Millennium Hi-Fi & Av.

Also available are products by World Audio Design, Michell, Trichord, Lowther and ReThm loudspeakers.

Millennium Hi-Fi & Av
500-1-3 First Floor, Wisma Indah (Shen Court),
Jalan Tun Razak 50400 K.L.

tel: 603 9283 8171 fax: 603 9281 3762

137 Jalan Pendekar 2, Taman Skudai Baru, 81300 Skudai, Johor DT
tel: 607 554 5171 fax: 607 554 7645

e-mail: info@millennium-audio.com

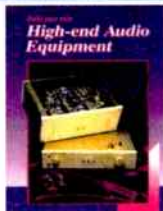


WE HAVE OVER 30

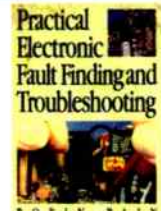
AUDIO ELECTRONIC THEORY BOOKS



Electronics made Simple
by Ian Sinclair
This book covers the basic theory and principles of electronics. A good read for the beginner.
Code No 1420
£12.99 + £2.00 P&P (UK)



Build your own High-End Audio Equipment
by Elektor
Build your own High-End Audio equipment contains construction projects for solid state preamplifiers and power amplifiers, active cross-over filters, an active subwoofer, a mono/stereo compressor and a headphone amplifier.
Code No. 1390
£14.95 + £2.25 P&P (UK)



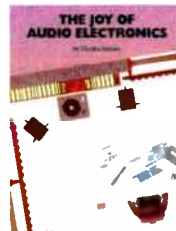
Practical Electronic Fault-Finding and Troubleshooting
by Robin Pain
This book explains the basic techniques needed to be a troubleshooter, using only basic equipment: a digital multimeter and an oscilloscope. Simple circuit examples are used to illustrate principles and concepts fundamental to the process of fault finding.
240pp 235mm x 156mm Paperback
Code No. 1430
£20.99 + £2.25 P&P (UK)



Build your own Electronic Test Instruments
by Elektor
This book contains designs for 17 measuring instruments, seven generators and analysers, ten miscellaneous instruments and a number of test ancillaries and auxiliaries. The designs range from a simple multicore cable designs contain a special printed circuit, drawing of which are given in an appendix.
Code No. 1400
£15.95 + £3.25 P&P (UK)

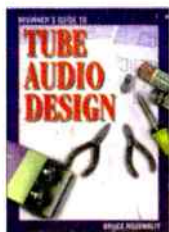


The LP is back
by Audio Amateurs
Your complete guide to LP care and maintenance designed to offer you everything useful for those who love and enjoy this older music medium. This covers the theory and care of LPs and the electronics and mechanics of its players.
154pp Paperback
Code No. 1620
£8.00 + £1.50 P&P (UK)



The Joy of Audio Electronics
by Charles Hansen
This is a fail-safe guide to the pleasures of hands-on electronic construction. This book covers test and measurement projects, how to build simple kits, safety issues, the workplace, theory and resources. A must for the beginner who plans to build more advanced electronic projects in the future.
124pp Paperback
Code No. 1650
£10.50 + £2.25 P&P (UK)

VALVE BOOKS



The Beginner's Guide to Tube Design
by Bruce Rozenblitz
This book takes a comprehensive look at tube audio design. It explains how vacuum tubes work and how to design with them. Rozenblitz covers stabilisation and testing, a description of 13 famous and classic amps and preamps and how to work effectively as a designer. A hands-on guide to construction techniques, tools and choosing components and tubes is provided. 1997, 132pp., 8 1/2" x 11" Paper back
Code No. 1340
£15.50 + £2.25 P&P (UK)



WILEY & WILLY
17
Vacuum Tube Amplifiers

Vacuum Tube Amplifiers
by Valley & Walkman
This book is a well known reference valve text book and is assembled from pieces by ten knowledgeable authors. An absolute bible when it comes to valve electronics.
734pp 140mm x 210mm
Paperback
Code 1770
£29.95 + £ 4.00 P&P (UK)



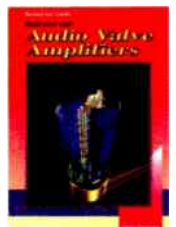
Mullard Tube Circuits for Audio Amplifiers
Includes full designs for eleven power and control amps, including 5-20, using valves. Begins with a four chapter tutorial on getting the best sound from valve amplifiers.
142pp 8" x 10" Paperback
Code 1030
£13.95 + £1.50 P&P (UK)



Audio Reality
by Bruce Rozenblitz
A fine read that investigates conductors, skin effect, impedance, interconnects, speaker cables, balanced lines, transmission lines, power cords, isolation transformers, damping systems, tubes, acoustics and much more. Also, includes 6 excellent detailed valve design projects, 80watt OTL, 25watt OTL, grounded grid pre-amp, 150watt amp., 6550 SE amp. and a grounded grid cascode phono preamp.
Paperback 128pp
Code No 1640
Price 21.50 + 2.25 P&P (UK)



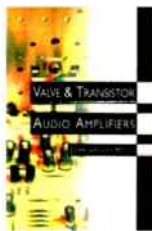
An Approach to Audio Electronic Valves in Audio Frequency Amplifiers
by E. Rodenhuis
Originally published in 1954 by Philips, this book encourages amp. builders to experiment with design elements. Discussing the use of valve data, the function of different amplifier stages and includes detailed descriptions of eight designs. A wealth of practical data, measurements and interesting features will be found. A very good read.
Paperback 147pp
Code No. 1520
Price £12.95 + £2.00 P&P (UK)



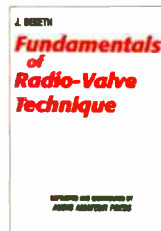
Build your own Audio Valve Amplifiers
by Rainer Zur Linde
This book covers construction projects for preamplifiers, power amplifiers and two amplifiers for musical instruments aimed at the practical audio/hi-fi enthusiast, it offers much information on the operation of electron tubes, while the first chapter gives a short history of the thermionic valve.
paperback, 251pp, 235mm x 13mm
Code No. 1320 £14.95 + 2.25 P&P (UK)



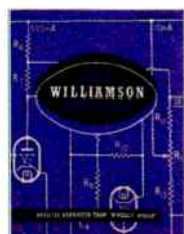
Radio Designer's Handbook 4th Edition
by Fritz Langford-Smith
This is a classic reference handbook for all who are interested in the design and application of audio amplifiers and radio receivers, and deals with basic principles and the practical design of all types of classic audio amplifiers, radio receivers and record-producing equipment up to the invention of the transistor, covering valves, valve testing, general theory and components, audio and radio frequencies, power supplies, design of complete AM and FM receivers, and reference information.
1498pp 216mm x 138mm Hard back
Code No. 1600
£39.99 + £6.00 P&P (UK)



Valve & Transistor Audio Amplifiers
by J.L. Hood
This is J.L. Hood's greatest work yet, describing the milestones that have marked the development of audio amplifiers, from the earliest valve amps to the latest solid state design. It is the complete world guide to audio amp design. Other contents: active & passive components, amplifiers, pre-amplifiers and power supplies.
250pp., 156mm x 232mm Paperback
Code No. 1530
£20.99 + £3.50 P&P (UK)



Fundamentals of Radio-Valve Technique
J. Dekeith
This is part of the Philips technical series written in 1947 it was one of the most authoritative and comprehensive treatment of the nature and function of the vacuum tube.
534pp 6" x 9" Paper back
Code No. 1630
£21.50 + £2.50 P&P (UK)



The Williamson Amplifier
by D.T.N. Williamson.
Offers practical advice on how to build and set up the amplifier for best results.
40pp 8 1/2" x 11" Paper back
Code No. 1040
£9.95 + £1.50 P&P (UK)



Valve Amplifiers (second edition)
by Morgan Jones, Audio Engineer
This book allows those with a limited knowledge of the field to understand both the theory and the practice of valve audio amplifier design, such that they can analyse and modify circuits, and rebuild an amplifier. Constructional techniques are also provided so readers can build from scratch designs that actually work.
488pp 6" x 9 1/4" Paper back
Code No. 1330
£25.99 + 3.50 P&P (UK)



The Best of Audion editorial projects
by Luciano Marci
This book contains six excellent audio projects: a high sensitivity speaker, a superb tube pre-amp, a 2A3 amplifier design, a project using the Russian 6C33CB and two projects using 300Bt as output valves. Overall the book is a fabulous read.
62pp paper back
book code 1750
£12.00 + £2.00 UK prp

ORDER 4 BOOKS & OVER & PAY ONLY £7.00 FOR P&P (UK ONLY)

World Audio Library

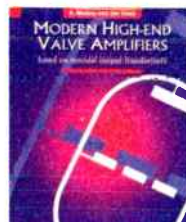
TITLES ON OFFER!!!



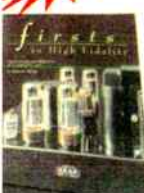
Manuale HI-FI a valvole Schemario 2*
An Italian publication with all circuit diagrams in standard conformation, therefore, all circuits are easy to follow. This book is dedicated to self makers and to HI-FI tube engineers. With a wealth of circuit diagrams from some of the best valve amplifiers, pre-amplifiers and phono equipment producers in the world. Including, Audio Research, Altec, Conrad Johnson, Art Audio, Luxman, Carver, Dynaco, Electrovoice, Leak, McIntosh, Marantz, Quad, Radford, Quick Silver, numerous OTL designs, Verdier, VTL and Western Electric. Well worth the money.
208pp. 210mm x 300mm Paperback
Code No. 1720
£44.00 + £4.00 P&P (UK)



Getting the most out of Vacuum Tubes
by Robert B. Tomer
From the rover "Types and causes of tube failures, what to expect from tubes, testing methods and all about tube maintenance programs." This book is intended to offer explanations of why tubes fail and what to do about it. Discussions of catastrophic and degenerative failures; selecting tubes and tube types and testing and predicting tube performance.
160pp 140mm x 216mm Paperback,
Code No. 1710
£13.95 + £2.00 P&P (UK)



Modern High-End Valve Amplifiers Based on Toroidal Output Transformers
by Menno van der Neen
Explains the whys and wherefores of toroidal output transformers at various technical levels. Discussed extensively within this book are designs for amplifiers from 10 to 100 watts. Finally, the author gives some attention to a number of special valve amplifiers, and to the theory and practice of negative feedback.
250pp 170mm x 240mm Hard back
Code No. 1670
£24.95 + £2.50 P+P (UK)



First in High Fidelity The Products and History of H.J. Leak & Co. Ltd.
by Steven Spicer
This book is the unique and comprehensive story about one of the world's best high-fidelity audio companies. Contained are 300 pictures, 30 circuit diagrams for classic designs of the day. There are also numerous anecdotes and contributions from ex-employees. A wonderful historical read.
270pp 195mm x 264mm Paperback
Code no. 1740
£19.95 + £3.25 P+P UK



Basic Theory and Application of Electron Tubes
A US Army & Navy Publication
This book is an excellent introduction into valves. It does just about everything its title suggests. Written in 1957 it was used by the US military as a text book in their electronics department. Superbly written it contains all you need to know.
215pp
200mm x 260mm Paperback
book code 1760
£17.95 + £3.25 P&P (UK)

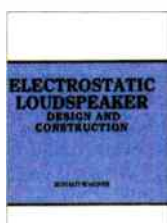


Sylvania Technical Manual
by Sylvania Electric Products Inc.
This 13th edition contains data on more than 3300 electron tubes and semiconductor devices. Reprinted here without the TV picture tube section, this manual contains detailed information on Sylvania's devices including charts and diagrams. A master index is found in the front of the book for reference.
516pp 140mm x 216mm Paper back
Code No. 1700
£16.95 + £3.50 UK p+p

LOUDSPEAKER BOOKS



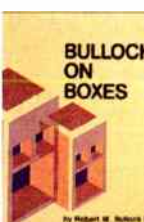
Testing Loudspeakers+
by Joe D'Appolito
Joe D'Appolito, loudspeaker designer and consultant, has written the definitive text on testing loudspeakers. Dr. D'Appolito brings his expertise to the subject and provides you with a hands-on discussion of testing drivers and systems. He brings you the theory and physics behind loudspeaker testing in this volume.
Paperback
Code No. 1580
£24.95 + £2.50 P&P (UK)



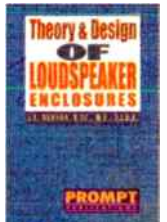
Electrostatic Loudspeaker Design and Construction
by Ronald Wagner
Step by step guide to the design and construction of a full range electrostatic loudspeaker, including basic operating principles. Strongly recommended for those wanting to either build, repair and/or restore, or who are just interested in electrostatics.
243pp 7" x 9 5/8" Paperback
Code No. 1080
£16.95 + £3.25 P&P (UK)



The Loudspeaker Design Cookbook, 6th edition (new)
- by Vance Dickason
This best seller offers up-to-date design information for the home constructor. It uses modern Thiele-Small theory and parameters.
288pp 8 1/2" x 11 1/2" Paperback
Code No. 1090
£29.50 + £4.00 P&P (UK)



Bullock On Boxes
by Robert M. Bullock III.
Using Thiele-Small parameters clearly, it offers lots of helpful tables and graphs to get to grips with the sizing of the box and port of a reflex loudspeaker.
72pp 8 1/2" x 11" Paperback
Code No. 1100
£12.95 + £2.00 P&P (UK)



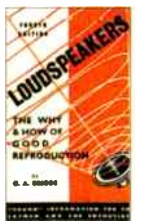
Theory and Design of Loudspeaker Enclosures
by J. E. Benson
Covers infinite baffle, reflex, passive radiator etc. in great detail with a highly mathematical approach, making it unsuitable for beginners but highly authoritative for experienced designers.
244pp 6" x 9" Paperback
Code: 1140
£23.95 + £2.50 P&P (UK)



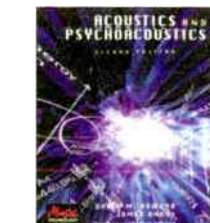
Horn Loudspeaker Design
by Mr J. Dinsdale
A collection of papers by Mr J. Dinsdale, that discuss the design and theory of this wonderful breed of loudspeaker. The book contains detailed drawings of numerous designs, including some Lowther classics. Also, included with the book is a 3.5inch floppy disc with straight forward software to assist in the design process. A serious reference for those with an interest in horn speakers.
112pp paper back & 3.5 floppy disc
210mm x 300mm
Code: 1730
£29.50 + £2.50 P&P (UK)



Audio Amateur Loudspeaker Projects
A collection of the 25 best speaker articles published in the Audio Amateur throughout the 1970s, this popular book is proof that great designs are never out of date. This volume is a rich source of theory, practice and design.
135pp 8 1/2" x 11" Paperback
Code No. 1550
£16.95 + £2.50 P&P (UK)



Loudspeakers: The Why and How of Good Reproduction
by G.A. Briggs
An easy to understand book on building loudspeakers, using empirical techniques that pre-date computer analysis. Strongly recommended for beginners.
88pp 5 1/2" x 8 1/2" Paperback
Code: 1070
£10.95 + £1.50 P&P (UK)



Acoustics & Psychoacoustics 2nd Edition
by David M. Howard & James Angus
An introduction to acoustics, covering human perception of sound, notes and harmony, musical dynamics, timbre of musical instruments, acoustic model for musical instruments, hearing music in different environments, deceiving the ear and processing sound electronically.
224pp 244 x 189mm
paperback
Code: 1370
£29.99 + £3.50 P&P (UK)

ORDER FORM

Please send (Code No.) _____ (enter codes clearly)

Pay: World Audio Publishing Ltd. £ _____ or debit my Mastercard/Visa/Switch/Solo (Card No) _____

Expiry date: _____ (Switch/Solo only) Valid Date: _____ Issue No. _____ Name: _____ Signed: _____

Delivery Address: _____

Del: (Day) _____ Please return to: W.A.P. Ltd. 12A Spring Gardens, Newport Pagnell, Milton Keynes, MK16

EE, ENGLAND TEL/FAX: 01908 218836 **ORDER ON LINE** Website: www.worldaudiodesign.co.uk E-Mail: nick@worldaudiodesign.co.uk

Please contact us for overseas P&P charges. Allow 28 days for delivery. All orders subject to availability. If further space is required please attach separate sheet.

TICK BOX IF YOU HAVE ORDERED BEFORE

ORDER 4 BOOKS & OVER & PAY ONLY £7.00 FOR P&P (UK ONLY)



EAR 834P Signature - MM/MC boxed
£390



Perpetual Technologies P-1A & P-3A Stereophile Grade A Listed On Demo
P-1A £1099 P-3A £799



£3999



CHORD DAC 64
On Demo - probably the most significant new product available for CD playback
£1900



£2799



PS Audio
PS600 with multitone on demo - see what can be achieved with mains regeneration
£2700

NEW & EX DEMO EQUIPMENT

CHORD NEW £
DAC 64 (£1900) and CPM 3300 (£5595) on demo, full range available
Visit our web site for full details, prices, specifications and reviews

PS Audio
PS600 with multitone on demo - Amazing review, see what can be achieved with mains regeneration - £2700
Visit our web site for full details, prices, specifications and reviews

Audio Note
Full range available, many items on demonstration - Visit our web site for full details, prices, specifications and reviews

STAX Headphones
Full range available - Visit our web site for full details, prices, specifications and reviews

Perpetual Technologies
If you read the HiFi News review on the amazing P-1A Digital to Digital processor and the P-3A Upsampling DAC 24/192, you will realise just how good they actually are at £1099 & £799 respectively, they will transform your CD playback in a way you could never have imagined. Visit our web site for full details, prices, specifications and reviews

CEC
Full range of these amazing Belt Drive CD players transports and DACs available including the incredible TL51Z Belt Drive CD player with 24/356 upsampling for only £1625 - on demo. Visit our web site for full details, prices, specifications and reviews

Conrad Johnson
Full range available, visit our web site for specifications, prices & reviews.

Dynalab Tuners
Full range available, visit our web site for specifications, prices & reviews.

EAR
EAR V20 integrated, great reviews & a visual masterpiece - on demo 2799
EAR 861 power amp. Great reviews - on demo 3799
EAR 864 pre. Balanced inputs/outputs - on demo 1529
EAR 834P deluxe. MM/MC phono stage - on demo 889

EAR NEW £
MC3 MC step up transformer. Probably the best available - on demo 659
Full range available, visit our web site for specifications, prices & reviews.

Verites
P400 Digital power amp 240w - on demo 2995

Manley Labs
Stingray Integrated Valve amplifier - on demo 2195
Purist pre amp on demo 1650
50w Monoblocks on demo 2250

Unison Research
NEW MODEL - DM Dual mono power amplifier 150w per channel, can be bridged to form a 500w mono block !!! ON DEMO -
S2K Pure Class A using the legendary KT-88 power valve. Single ended heaven. ON DEMO
S2 single ended ultralinear Class A - on demo 1300
SR1 valve & solid state ex demo 975
S6 single ended pure Class A ex demo 1250
S8 single ended Class A 24w - on demo 1600
Simply Phono, stunning all valve NEW - on demo 2950
PSU for simply phono NEW 510
Smorti 845 mono blocks on demo - 400 3450

Kuzma
Stabi S with Stagi S tone arm on demo 1245

HEART
CD 6000 valve CD player. If you can find a better sounding CD player for up to £1,000 we would like to know what it is!! - on demo 590

Plinius
8100 100w on demo 1450
Jarah Phono stage on demo 599
8200 Integrated 175w with phono stage 2250

Pathos
Classic One - on demo 995
Twin Towers RR - Hybrid valve & solid state the best of both worlds. HiFi News loved it, so will you - on demo 3250

Pink Triangle NEW £
We have the All New Integral amplifier on demonstration. At £3,999 we think it's a bit of a bargain. Have a listen and form your own opinion

Audio Analogue
Belini remote pre-amplifier, superb on demo 560
Donizetti 100w monoblocks - on demo - pair 920
Maestro CD player - 24 bit 96 Khz upsampling - on demo 1500
Puccini SE Integrated amp - on Demo 635 540
Paganini 24 bit CD player latest model on demo 795 695
Maestro 150w integrated amp on demo 2500

Audio Physic Speakers
On demo Virgo III, new model on demo £3999,
Avanti III £7599, Virgo II £3000 and Spark III £1695
Visit our web site for specifications, prices & reviews.

Croft
Vital pre amp NEW on demo 379
Dakshini S, new model 50w - on demo 3300
Epoch Elite pre amp, reference quality, valve regulated psu. In new aluminum chassis - on demo 1000
Apparition Elite 15w per channel OTL power amp - on demo 1600

Opera speakers, Triangle Loudspeakers, Monitor Audio, Benz Micro, Lyra, Sumiko, Dynavector
Visit our web site for specifications, prices & reviews.

Final Electrostatics
0.3 ex demo 1495 995
0.4 NEW - on demo 2500 2195

Loth-X
Orthello precision turntable on demo 1145
Ion BS-1 speakers, 94db
Great HiFi news review 400
The all new Amoze on demo 98db efficient 750
All new Aura floorstander on demo 98db efficient 1600

Lavardin
Full range available, visit our web site for specifications, prices & reviews.

improve your listening pleasure
visit our web site for reviews, up-to-date stock lists and much much more

CARED FOR USED EQUIPMENT

Turntables/Cartridges/Phono stages NEW £
Musical Fidelity XLP-2, boxed as new 550 350
Benz Micro "The Glider" very low hours 690 390
Ortofon MC 7500 Boxed NEW 2000 1295
EAR 834P Signature MM/MC all valve phono stage 390
Brand new Mitchell Gyrodec SE with acrylic cover and record clamp RB300 1175 795
Ortofon Jubilee boxed unused 1250 699
SME 309 Boxed New 629
SME IV - Boxed NEW 890
Ortofon Rohmnn boxed new 1200 649

Amplifiers (Pre, Power, Integrated)
Audion Black Shadow 845 Mono's, Stunning. 2 months old, Boxed
Balance of Audion warranty 5000 3800
Audio Note M2 pre amp, boxed as new 999 599
Audio Note P2SE, power amplifier. Boxed as new 1499 999
Audion Premier 2.0. 2 box with MM/MC phono stage. 2 mths old 2000 1100
Lavardin IT, boxed as new. Very rare 3250 2600
XTC POW1 power amplifier, boxed, manuals 2500 895
Audio Research SP-9 Mk11. As new. Superb 2200 895
AV1 full system - S2000 MP+P pre amp. S2000MM Mono blocks & S2000 MC ref 24 CD player. Boxed as new 3800 1995
Moon iS Boxed NEW - black facia 2600 1999
Pathos Twin Towers RR - boxed as new 2400 1995
Primarc A30.1, new model with pre-out. Boxed new 1500 1250
Rokson ROK L2.5 pre S1.5 power and DS1.5 PSU, bxd as new 3500 1695
EAR 834L, all valve line stage, as new 550 350

Speakers NEW £
Audio Physic Virgo 11 - ex demo 3000 1999
Living Voice Avator, 2 months old in cherry 2500 1999
EPOS ES22. Boxed as new with CHURD Tri-wire cable 1595 695
Jamo Concert 8. European speaker of the year. As new 1500 625
Gershon Avantgarde RX-20. Boxed 4900 2990
Verity Fidelio in Makore finish. One owner. Boxed 7300 5900
Wilson Wotl/puppies 5.1 18000 6900
JM Labs Mezzo Utopia - boxed new 7400 5600
JM Labs Mini Utopia with matching stands - boxed 4900 2900
Monitor Audio GR20 (new model) boxed as new 1595 1095
A.R.T. Art 2 speakers, boxed as new in Piano Laquer, latest spec 6000 2695
Morfin Logan Acrisus 1 boxed as new 2700 1995

CD Players/Transports/DAC's
CHORD DCS 1500E. Fitted with Pulse array. Boxed as new 6450 2795
Copland CDA 289, latest spec. Boxed as new 2000 1195
Mairn CD3. Boxed as new 999 399
DCS Purcell. New Jan 01. Balance of 5 year warranty 4000 2795
Marantz CD6000 OSE 450 199
Marantz SA-1 super audio CD player. boxed new full warranty 5000 3995
Marantz CD-7 Boxed, ex demo, 2 year warranty 3600 2900
Sany SCD-1 New. Boxed unused 4000 3400
Sony SCD-1 Boxed as new, 12 months old 4000 2600
Audio Note CDT Zero. Boxed new unused 500 390
Electrocompaniet EMC-1, Boxed as new 2500 1450
Primarc D30.2/24/96 new model. Boxed new 1500 1195
Sonagrappe (Conrad Johnson) SD22 Boxed new, 4 mths old 850 390

Manley Labs
Croft
Kuzma
Conrad Johnson
Benz Micro
Cardas
Loth-X
Unison Research
Opera
Audio Analogue
Final
Pathos
Graaf
LAT
Monrio
Diapason
Esopower
Ecosse
Verites
Plinius
Triangle
Michell
Audio Physic
Lavardin
EAR
CHORD
PS Audio
GEC
Perpetual Technologies
Monitor Audio
STAX

Open Mon - Sat 9.30 - 5.30
E mail : info@connoisseuraudio.co.uk

01592 630652

www.connoisseuraudio.co.uk

Connoisseur Audio

DVD is weird, so weird I wonder if the people who created it knew what they were giving birth to. But then it was created by a Japanese committee, known as the DVD Forum, and they say that a camel is a horse designed by a committee. Worse, Hollywood genetically altered this camel even before birth, making it even weirder.

Camels might not be pretty things but they can survive in difficult conditions – conditions where thoroughbreds would die. I'm beginning to wonder whether this is an appropriate metaphor for DVD, because whilst it might well be weird, perhaps in its own way it has the capacity to be wonderful. Camels are bad tempered, smelly and difficult to live with, but if needs be there's no alternative. DVD is difficult to live with too, but similarly there's no alternative.

I'm a bit of a techie but much of what a DVD player has to offer I find superfluous or worse – obstructive. The main role of a DVD player is to replay films, avoiding the historic problems suffered by video tape. Quick access and usable fast/slow modes, as well as pause, are its main advantages over video tape, but zero wear and long life are also important. Yet I've largely given up on buying DVDs and now buy more video tapes. All DVDs start with a lengthy run of warnings about piracy, copying and permitted replay conditions, telling you how you must not attend public meetings with them or replay them in front of an audience for commercial gain. Carefully wrought in threatening legalese, they give the impression that to nick a jelly baby from one of your children whilst playing a film is enough to get you sent to prison.

Stab the fast forward button to get past this stuff, as well as those tacky and pointless film company logos, and what happens? A warning comes up saying "operation not permitted". DVD locks you out until you have read, for the umpteenth time, all that the film makers demand you read to understand the problems they are having making a profit, a problem that

by insinuation you are potentially a part of.

But since like most ordinary citizens I have just paid for the disc, I am not part of the problem and don't wish to know about the film maker's commercial fears. And from my visits to the Far East it looks like the people who do affect sales significantly aren't very interested in these messages either. Pirate copies of newly released films go on sale immediately for £1 or so. Even I got personal attention on my last visit – my credit card was copied! All the same, I don't think thrusting a

” In spite of all its difficulties, on balance I find video tape easier to use than DVD.

big sign in front of hotel receptionists or restaurant cashiers telling them about the sins of copying is somehow going to stop my card being copied again, but this is the crass approach used by the film business with DVD.

The warning notices are followed by often difficult to navigate menus, not helped by remote controls loaded with small buttons, spin wheels and illegible markings. Having got through all this, DVD then shows what it can do technically – providing you connect it up properly. If perchance you do not use SCART and RGB, which I suspect many people do not, preferring the RF connection, noise from the remodulation/demodulation process can make the picture as grainy as video tape properly (RGB) connected.

In spite of all its difficulties, on balance I find video tape easier to use than DVD. I pop a tape in and wind past the opening pap, including five minutes or more of adverts for new films. Now that DVD is taking over, old films and new on VHS can be picked up for £3-£10 or so.

Some DVD players can double as very fine CD players. They use good quality chip sets, unlike some CD players that used cheap chip sets intended for cheapie portables. These things gave a hard, shaky sound, with weak depth resolution and poor low frequency dynamics.

By contrast, DVD players from major manufacturers like Panasonic and Sony commonly deliver fine sound quality from CD. They are smooth, have good detailing and add life to a performance by resolving depth perspectives, especially around vocals.

Whether most users will ever fully exploit DVD I wonder. I'm looking forward to being able edit out the obstructions on my library of video DVDs before re-committing them back to disc using a computer DVD recorder, and perhaps commit my video tapes to DVD at the same time – without adverts at the beginning! Then I'll take to DVD. After getting DVD video sorted the time will come to take DVD audio on board. I see Cirrus Logic are advertising a 24/192 analogue-to-digital converter, the CS5361, which could be used in a DVD recorder. We may well see digital recorders with 90kHz bandwidth soon.

I think we'll be seeing a lot more from DVD in future, but for the time being I'd rather buy video tapes and use my DVD as a CD player! ●



Noel Keywood



Salon

SCOTLAND'S FIRST AND FOREMOST DEALER

"The List"

All Hi-Fi equipment guaranteed six months from date of purchase, "Supplied and Supported by The Audio Salon Ltd."

All items available next day (UK) by UPS for £9 per box. US and Worldwide Export at cost – details on request.

	List	Sale
ANALOGUE		
Audio Note AN-1S/ANVx Tonearm	£2,450	£1,250
<i>Brand new, boxed, unused. QC reviewer grade!</i>		
Voyd With Zeta arm	£3,225	£1,099
<i>Black Ash; ANV silver-wired arm, mint</i>		
Fanfare FT-1 Tuner	£1195	£450
<i>Boxed, new, unused, acclaimed</i>		
Nakamichi CR1-E	£295	£100

DIGITAL

David Manley The RefDac	£5,995	£1,995
<i>A Reference valve DAC, the reviews said it all</i>		
Mark Levinson 31.5 CD Transport	£9,995	£5,895
<i>12 months old, supplied by us, mint, 4-yr warranty</i>		
Mark Levinson No 39 CD player	£5,249	POA
Naim CD 3.5 CD Player	£1,100	£600
<i>Mint, perfect, impressive</i>		
Naim CDS-2, XPS, Flash Remote	£6,080	£2,995
Sugden SDT-1	£1,195	£495
<i>Classic build + Sonics</i>		
Sugden MasterClass CD	£2,500	£1,895
<i>Ex Dem, Full Warranty</i>		
Timbre DAC TT-1	£2,995	£1,000
<i>Ex-Wadia Heritage</i>		

VAC DAC-2 MkII + Power Supply (230vAC)*
Legend in the USA, this tube DAC is magnificent anywhere. See photo

	£4,395	£1,995
--	--------	--------

WADIA 7 & 9 CD Transport and DAC	£25,000	£9,995
WADIA 20 CD Transport	£4,000	£1,995
WADIA 10 Optical Interface	£2,900	£1,400
<i>Use with Wadia 9</i>		

AMPLIFIERS

ATC SIA2 Integrated	£2,375	£1,495
<i>150 wpc, x/d, r/c, mint, See photo</i>		
Audio Note P4 monoblocks	£5,895	£2,995
<i>6 months use, Black gates, Western Electric 300B's</i>		
Audio Research Line Stage 3	£2,250	£1,350
<i>Balanced ip/op, mint, superbe</i>		

David Manley SE/PP 300B Monoblocks
Switchable Push-pull, highly acclaimed US classic

	£4,500	£1,495
--	--------	--------

David Manley Ref440

	£11,995	£3,995
--	---------	--------

Reference valve monoblocks; review available

Mark Levinson 380 line pre-amp

	£4,495	POA
--	--------	-----

Mark Levinson 334 amplifier

	£5,995	POA
--	--------	-----

Supplied by us, 4 years warranty remaining

NAIM NAP -500

	£10,250	£6,750
--	---------	--------

NAIM 102 Pre-amp w/ MC phono card

	£1,200	£599
--	--------	------

NAIM NAP180 amp 60 wpc

	£1,150	£699
--	--------	------

Above Naim items about 30 months old; mint



Sugden MasterClass line Pre-amp
Black, as new, bal, s/e, r/c Class A, See photo

	£2,500	£1,450
--	--------	--------

Managers Special! A Vacuum Amplification Company all-tube system 3 components (may separate)



VAC D/A Converter Mk II w/PSU

	£4,395	£1,995
--	--------	--------

CLA-1 Mk II line pre-amplifier w/PSU

	£3,25	£1,495
--	-------	--------

Renaissance 70/70 Mk II, 300B x 8 amp

	£14,000	£4,995
--	---------	--------

Classic tube amp, priced with existing valves

CINEMA AND 5.1 MUSIC

AMPRO HD1200 7" CRT Projector	£9,995	£3,000
<i>Both ex-dem, little used; first to see will buy</i>		
Faroudja VP400U Line Quadrupler	£27,000	£7,995
<i>PAL/NTSC, prize-winning product, brochure on request</i>		
Perraux 6100 six-channel x 150 wpc	£4,990	£1,200
Pioneer Elite DV-09 DVD Player	\$2,495	£695
<i>The ultimate luxury US DVD player; Region 1 DTS/THX, rare 96kHz upsampled audio digital o/p</i>		

Snell & Wilcox G2 Interpolator/shoobox

	£30k	£15,995
--	------	---------

As new, photo quality from DVD!

Stewart 5-ft rear projection screen

	£4,995	£1,500
--	--------	--------

Includes mirror and frame

LOUDSPEAKERS



ATC SCM-50A SL active Birds Eye Maple, x/d
Contain 3 class A amplifiers per channel

	£7,995	£4,995
--	--------	--------

ATC SCM-10A-2 active

	£1,269	£995
--	--------	------

Active, musical, punchy monitors

ATC C4 Sub-woofer

	£1,900	£995
--	--------	------

ATC C4 Centre

	£2,100	£1,095
--	--------	--------

Both ex-dem, crated, mint

Dunlavy SC-IV (Oak)

	£8,000	£3,995
--	--------	--------

Dunlavy SC-V (Rosewood)

	£16,900	£7,495
--	---------	--------

ESP Harp (Cherrywood)

	£7,995	£2,495
--	--------	--------

ESP Concert Grand*

	£14,900	£3,995
--	---------	--------

Amazing reviews on both ESP products

Genesis Model II.5

	£22,000	£9,995
--	---------	--------

Genesis Model 5 (Rosewood)

	£15,000	£5,995
--	---------	--------

Genesis Model 6 (Rosewood)

	£8,500	£3,995
--	--------	--------

ProAc Response 2.5 (Yew)

	£2,970	£1,650
--	--------	--------

NAIM NBL Speakers

	£7,165	£3,500
--	--------	--------

Von Schweikert VR4/silver (Rosewood)

	£4,500	£1,750
--	--------	--------

Von Schweikert VR4.5/silver (Walnut)

	£5,900	£2,495
--	--------	--------

Von Schweikert VR3 (Cherry)

	£1,995	£750
--	--------	------

Ideal for 5.1 format; centre speakers also available

Zingali Overture .3S
 Floorstander, cherry, as new



	£3,250	£1,995
--	--------	--------

AUDIO CABLES

Send for list. New This Month!

JPS The Power a/c cord (UK) 2-metres x/d
 (2 pieces only) also one or two x/d interconnects for sale

	£369	£319
--	------	------

JPS The Digital a/c cord
 (2 pieces only, x/d)

	£279	£229
--	------	------

XLO Signature speaker cables, six-ft pair

	£1,590	£500
--	--------	------

We buy and sell Kondo Labs (Audio Note Japan Ltd) used original audio cables with certificate of authenticity. Phone or send for list.

Spring Clearance List

LINN

Kairn Pro pre-amp (£1,700) for £650; 3 x LK-100 amps for £325 each; Keildh speakers and stands £450; Keildh active cards (£500) for £200; Kaber speakers £595; Kaber active cards x 3 for £200; AV5101 Remote £100.

NAIM

NAIM Frame 6 Level, was	£2,300	£1,300
CDS-2 with XPS and flash remote	£6,080	£2,995
NAC-52, Super Cap	£6,200	£3,200
NAP-135	£1,900	£995

Every month I attend a buyers' meeting for the hi-fi retailer I work for. As you'd imagine, most of the decisions aren't rocket science and aren't likely to have audiophiles drooling with anticipation. Usually it's a case of how many of amplifier "X" we're going to need and for how much we'll sell them for. Every now and then, though, the buyers come up with something really special. There are some companies within the hi-fi industry whose blue chip pedigree ensures instant attention at the first mention of their name. Two months ago the name to come up was Nakamichi. "How would you feel about selling Nakamichi cassette decks?" came the question. I, like the others, wasn't so sure. Five years ago or more, they'd be a dead certainty. Nakamichi decks

never hung around for long on shop shelves, and decent second hand ones still sell like hot cakes. But the recording market has moved on with MiniDisc and CDR firmly established and cassette gasping its last breath. Yet, this is Nakamichi we're talking about. Hence, we were curious and the inevitable had to be asked: "How many and for how much?"

Knowing the company well I shouldn't have been surprised that the response was, "all of them!" It had turned out that the UK importers of Nakamichi had got into a spot of bother shifting their stock. Obviously, under such circumstances the price has to be good, to allow for a substantial discount to be passed onto the consumer. In this case it was. We could retail the two-head DR-8 and the three-head DR-10 for vastly reduced prices. Now five years ago, I'd have run straight down to the bank and withdrawn the readies for a DR-10 myself! Yet in 2001 I was still rather unsure. Could we still sell these once desirable stalwarts or would it be like trying to flog a traction engine to Eddie Stobart? As my boss reassured me for the umpteenth time, "everything has a price". And lo and behold, he was right. I'd be exaggerating if I said the decks flew out the door yet the rate of sales was far greater than I'd anticipated.

Better, in fact, than our top CDR machine.

Now, before anyone accuses me of using these column inches to flog kit, may I point out that by the time you're reading this they've all been sold! I'm not trying to sell anything here, but merely probing and speculating as to why certain products can still find such widespread favour under such unfavourable circumstances. In many respects I'm delighted as I've always been a believer in the adage that if something is top notch, and exquisitely designed in the first place, then it will

” Nakamichi decks never hung around for long on shop shelves, and decent second hand ones still sell like hot cakes.

remain so for many years to come. I put the success down to three aspects: price, reputation and niche.

As I've already discussed, everything has a price. Even a DCC deck has a value, as it will play back conventional tapes. The more expensive models also had a decent DAC that could be accessed independently. A brand new Nakamichi still has a great deal more appeal than a DCC deck; therefore at the right price it would sell.

Secondly, there's the matter of reputation. For anyone who was first getting into hi-fi in the late seventies or eighties, Nakamichi were the undisputed king of cassette decks. Bearing in mind that for much of this period cassette tape was the most popular format, having a far higher profile than today.

Combine the fact that Nakamichi were the best with the inevitability that they were also some of the most expensive pieces of hi-fi, full stop, and it isn't hard to see how they became many audiophiles' dream. Although their other electronics products proved to be rather average, the company did develop a fearsome reputation for in-car audio based upon cassette.

These conspicuous strengths have meant that their blue chip reputation has remained intact ten years on.

Interestingly, but not really surprisingly, many younger audiophiles hadn't even heard of Nakamichi. If they had they tended to associate them with lifestyle systems - a rival for Bose, if you like. So it was no surprise to find nearly all of the units being sold (to put it politely) were to the pre-MiniDisc generation.

Finally, I put the success down to that of niche. The field of hi-fi separates has always charmed me as there's always a great deal of time for products and technologies, that in other industries would be the preserve of museums, or forgotten about altogether. If you're in any doubt here, take a look at the enthusiasm for valve and vinyl equipment that still prevails. It's not just second hand gear either. Plenty of manufacturers still turn a decent profit exclusively from these sectors. Granted they do tend to be the smaller companies, but the fact that there is still a demand within such niches is reassuring.

Maybe I should have visited that ATM after all! ●



Dominic Todd

COUNTDOWN TO



22 - 24 February 2002

10am - 5pm every day
at the Marriott Hotel,
Lower Castle St., Bristol

GETTING TO THE SHOW

By train: Temple Meads Station is a short distance from the Marriott and is accessible by bus, foot or taxi.

By car: from the M4 take J19 (M32 - Bristol). Follow signs for City Centre and RAC signs to the Show.



Easy local parking in Broadmead and Bond Street NCPs.

ORGANISED BY



Great Value Sound & Vision

in association with



SOUND & VISION

THE BRISTOL SHOW

SEE & HEAR ALL THE LATEST PRODUCTS UNDER ONE ROOF, INCLUDING...

ACOUSTIC ENERGY: The AEGO P5 home cinema system and AEGIS EVO Series

ARCA FURNITURE: A stunning new furniture range

ARCAM: FMJ+ THX home cinema components make their UK debut along with the DiVA CD62 entry level CD player

AUDIONET: The UK launch of the this leading German electronics brand

B&W: The new VM1 range and the outstanding Nautilus™ 800 Signature

CELESTION: The revolutionary new AVF302 loudspeaker

CYRUS: Amazing new Icon X4 loudspeaker along and the latest DVD 7 & CD7Q high-end CD / DVD players

NAIM AUDIO: The UK launch of the amazing new NAC 552 pre-amplifier and other surprises are promised

SPENDOR: New 'S' Series loudspeakers

WILSON BENESCH: The new Odyssey Series including the Chimera loudspeaker

WHAT HI-FI? SOUND & VISION: There in person to answer all your questions

GREAT DEALS AND SPECIAL OFFERS AVAILABLE ONLY AT THE SHOW - PLUS YOUR CHANCE TO WIN SOME SUPERB PRIZES IN THE SHOW COMPETITION

Admission

Adults £6.00; Students/OAPs/UB40s £3.00;

Accompanied children under 16 free

BRANDS ON SHOW INCLUDE:

A.R.T. Audio, Acoustic Energy, AR Phantom, Arca Furniture, Arcam, Atacama, Audionet, Audioplan, Audioprism, AVID, B&W, Bantbridge, Beyer Dynamic, Boston, Bow Technologies, Bryston, Bullet Plugs, Cable Talk, Case Logic, Celestion, Chapter Audio, Cherished Records, Chord Electronics, Clearlight Audio, Connect Link, Creek, Cura, Cyrus, Denon, Diverse Vinyl, DNM reson, Echo Busters, Eton Subwoofers, Dynaudio, Eclipse, Ecosse, Elac, Epos, Emotive Excellence, Exposure, Fujitsu, Harman Kardon, Hi-Fi +, Hi-Fi Choice, Hi-Fi World, HNE Systems, Home Entertainment, Imerge, Ixos, Ixotica, Jamo, JM Lab, KEF, Klegg Audio, Living Control, Living Voice, Loewe, Marantz, Mark Levinson, Meridian, Michell Engineering, Miller & Kreisel, Ministry of Sound, Mission, Moon Electronics, Monster Cable, Musical Technology, Musicworks, Myryad, NAD, Naim Audio, Nordost, Optimum International 2000, Ortofon, Parasound, Partington, Pioneer, PMC, Primare, Pro-ject, ProAc, Prowire, PSB, Puresonic, Quad, Quadraspire, Redstripe, Rega, Reference Audio, REL, Relaxa, Resolution Audio, Revel, Roksan, RPG, Ruark, Rusound, S.A.P., Sennhesier, Sequence, Sim Audio, Sonic Link, Sonus Systems, Sony, Sound Organistion, Soundstyle, Spendor, Standedesign, Stands Unique, Stax, Steinhart Audio, Straightwire, T3, TAG McLaren Audio, Talk Electronics, Tannoy, Target, Teac, The Chord Company, The Direct Disc, Totem Acoustics, True Colours Industries, Tube Technology, van den Hul, Veda Products, Venus Futuretech, Veritas, Videologic, Vibe Technology, Vienna Acoustics, Vivanco, Vivante Music, Voodoo Isolation, VPI Record cleaning machines, Wharfedale, What Hi-Fi? Sound & Vision, Wilson Benesch, XTC, Yamaha and many, many more...

For the very latest information on new product launches check

www.bristolshow.co.uk

Turntables are proof positive that in hi-fi, power corrupts and 'noisy' power corrupts absolutely. It's frightening to think that back in the dark days of hi-fi's yore, they were the only source to use if you were serious about sound - and all used AC motors with minimal amounts of filtering. Effectively, this meant that whether you liked it or not, everything going into your system had vast amounts of crap from the wife's hairdryer, next door's fridge or little Johnny's bedroom TV.

To Linn's great credit, it was the first company that took the problem seriously. The arrival of the Valhalla board in the early 1980s pushed the LP12 to new heights, making an incredible change to the basic Sondek sound. Images tightened, the noise floor dropped and everything from the low bass to the high treble sounded tighter and brighter. It was the first product to truly demonstrate the difference the mains supply could make to vinyl replay.

The point was, of course, that the Valhalla gave cleaner - rather than outright 'clean' - power to the deck's beleaguered Impex AC synchronous motor. Rather than relying on the mains to provide its basic running frequency (50Hz in the UK, 60Hz in the US and parts of Japan), it featured a quartz crystal-referenced oscillator to tell it a precisely what speed to revolve. There was also a degree of filtering to pull out the noise, spikes and hash which also caused speed fluctuations due to phase shifts in the sine waves caused by shifting capacitors.

Thus began the march toward perfect power. Several manufacturers, such as Pink Triangle, experimented with DC motors. Others like Roksan, Michell and Linn strove towards ever better offboard power supplies, using ever more accurate quartz speed control and better filtering. Linn's 1991 Lingo was another high watermark, as was Michell's 1994 GyroPower QC - both improved the performance of their respective turntables incredibly.

By the late nineties, I was running a

Michell Orbe (complete with its standalone Papst AC synchronous motor and offboard QC power supply), but in 1998 I reluctantly had to retire it due to a move to Japan. As soon as I arrived in Tokyo I set about acquiring a decent system, and went in search of a high end direct drive, and in Japan there are plenty. The quality of the big, late seventies Trio LO-7Ds, Micro DDQs, Technics SP-10s and Nakamichi Dragons is unarguable, but even the less exalted Sonys, Victors and Pioneers are worth looking at. If you don't mind tackling the metro with a

As soon as I arrived in Tokyo I set about acquiring a decent system, and went in search of a high end direct drive.

weightlifting belt strapped to you, they're even worth taking home! I ended up with a Pioneer PL160X - a beautifully built, independently suspended, quartz locked, fully auto behemoth.

Although it didn't hold a torch to most aspects of the Orbe's performance, there was one area where it was intriguingly superior - bass. Tauter, tighter and with incredible grip and articulation, it showed just how good analogue bass could sound. Returning to the UK and powering up the Orbe, it was obvious the British deck's low frequencies were lacking. Although more powerful and fluid than any other belt drive I'd heard, the Pioneer pointed to its less than perfect low frequency process in no uncertain terms.

At the time, I ascribed it to the drive system. Surely, the lack of purchase a belt has on a large, heavy platter made it susceptible - ever so slightly - to dynamic wow? Well, the arrival of the Orbe's DC motor and VC power supply would suggest I was wrong. To say it's transformed Michell's top deck is an understatement - the first time I cued up a record I could barely believe my ears. Things now sound so much more

'right', and far less like hi-fi. There's a new boldness and confidence to the sound, along with an ability to let you hear instruments in the background play remarkably clearly and independently from those so much more prominent in the mix. Factor in an exquisite sense of timing and incredible attack transients, and it's an important advance for the Michell Orbe. The superb Origin Live Oasis-S, also uses a state-of-the-art DC motor and power supply and shares many of these characteristics too.

Indeed the deck's designer, Mark Baker, said to me last month, "It's amazing - each new advance in turntable design shows what an incredible amount of untapped potential there still is in the vinyl disc". Never a truer word spoken, in my humble opinion! ●



David Price

PIONEERING

John Bamford is Pioneer GB's outspoken product manager. David Price talks to him about his company and the current state of the hi-fi world.

John Bamford is an extremely engaging and erudite guy - no surprise really, considering the grand job he did of editing Hi-Fi Choice magazine over a decade ago. These days he's a much smaller part of a far larger organisation, being largely responsible for Pioneer's modern UK profile which arguably stems from the famous A400 'UK-designed' amplifier.

It's hard to understate the significance of this product. Ten years ago, it was all over the UK hi-fi scene like a rash, storming the sales charts just like the original NAD 3020 had done a decade earlier. Here was a budget product (selling for around £200) which was good enough to use with sources and speakers five times its price - or more. To go with this, Pioneer produced a range of CD players employing the famed 'stable platter mechanism' (where the disc sat upside down on a platter, turntable-style) and Legato Link digital filter (using interpolative DSP to extend the frequency range of Red Book CD).

Today, along with car audio and DJ gear, these products are what most UK buyers associate with the brand. 'Twas not always the way,

however. Indeed, it's perhaps a testament to John's marketing prowess that the real Pioneer isn't known to the average British punter. This is a company that in its native Japan is not seen as a specialist in 'budget blockbusters', but rather as a extremely innovative, 'high tech', engineering led brand. This disparity between Pioneer's UK perception and its real nature has real parallels with Honda - here they're old folks' cars, but at home they're compulsory kit for young, technology-loving tearaways. In truth, Pioneer has always been a very creative, individualistic and almost eccentric company that's been particularly good at introducing new ideas and refining old ones.



John Bamford: erstwhile hi-fi mag editor turned Pioneer UK product supremo!

A FINE PEDIGREE

Pioneer gained international fame in 1973, distinguishing itself from a sea of rival aspiring Japanese electronics giants with its PL12D turntable. Look at it now and it's hardly as striking as, say, a Hydraulic Reference of the same year. Yet, the deck was remarkable for its price-performance combination. For little more than the cost of a noisy, clunky Garrard or BSR autochanger, the '12 offered a sound that didn't just lead its class, but totally redefined it. Beautifully built, with a high quality S-shaped tonearm capable of tracking top class cartridges, this turntable played a major part in the 1970s hi-fi boom and got a hell of a lot of people around the world into vinyl.

The PL12D was hardly a new invention, of course. This was Pioneer doing a familiar thing better than the rest. The company continued



The Eighties-styled C73 integrated amplifier

SPIRIT

the winning formula with its range of late seventies cassette decks. The likes of the CTF-500 again offered performance well beyond its price tag, thanks to superb build quality and careful calibration.

Then there was the RT-707 open reel recorder. Reel-to-reel was still a force in high end hi-fi when this came out in 1979 - and Pioneer took the format and made it more accessible. This machine was barely bigger than your average rack mounting cassette deck, yet offered superb performance thanks to an exquisite quartz-locked, direct drive, auto-reverse transport.

BOOM TIME

The eighties saw Pioneer in on the CD boom, like all the rest, producing a range of distinguished high end machines which were not available in the relatively small (in sales terms, if not importance) UK market. Along with these, the company was a champion of the DAT format, being the first to offer 'super-DAT' in the late 1980s, which offered superb sound thanks to its 96kHz sampling rate. By the early nineties, the company was innovating again, by offering the first affordable domestic

hi-fi CD recorder. By the mid nineties, Pioneer had a superb sounding machine selling for under £500 in its home market.

The arrival of DVD saw the company flourish - almost as if it had been waiting for the new format in order to make its mark. It played an important part in the development of both DVD Video and Audio players, and staunchly refused to limit its digital outputs to 48kHz sampling frequencies as all its rivals have done. DVD was sweeping Japan back in 1998, but has taken a little longer here. Now though, one in ten UK households have one, with 3 million players sold. By contrast, it took CD 7 years to do the same! By pushing the DVD envelope, Pioneer has thrived by association with this all-conquering format. Images of its 'black box' early nineties separates are finally being replaced by



The whopping SA-X10 DVD-A ready loudspeaker



Another Pioneer classic - the PL12D turntable

some highly tasty DVD spinners. Pioneer's soon-to-arrive DVD-recorder will change things still further.

John Bamford has been one of DVD-Audio's most vocal exponents from the word go. He believes that the arrival of DVD-A players has been largely overlooked in the UK press, pointing out that Pioneer offers a sub-£1000 DVD machine capable of better fidelity than any CD player costing many times that. Why, he argues, spend £12,000 on a CD player when a DVD-939a will trounce it (with DVD-A discs). He lays the blame at the door of British hi-fi magazines, with reviewers advising readers to "hold out and get a CD player because, after all, the technology isn't sorted yet". JB thinks, controversially, the watermarking issue is a distraction,

SPECIALIST HI-FI DEALERS

LONDON

INSTANT 0% FINANCE AVAILABLE SERVING LONDON FROM BATTERSEA

ORANGES & LEMONS

Juicy fruit from London's newest freshest hi-fi/home cinema retailer. Telephone demonstrations or just pop in. All the usual, i.e. friendly and efficient service. Free home installation + credit cards

THE INNOVATIVE AUDIO/VISUAL HI-FI RETAILER. ARCAM, CABLETALK, CHORD CO., DENON, EPOS, MARANTZ, NAD, NAIM, REGA, ROKSAN, ROTEL, ROYD, RUARK, SOUNDSTYLE, STANDS UNIQUE, YAMAHA

NOW IN OUR SEVENTH SPARKLING YEAR.

020-7924 2040

61/63 WEBBS ROAD, SW11
Visit www.orangesandlemonshifi.com

O'Brien Hi-Fi

ARCAM • ANTHEM • AUDIOGRAM • AUDIO RESEARCH • AUDIO TECHNICA • BEYER • CABLETALK • CHORD • CREEK • DENON • DENSEN • JADIS • JEKLIN • MICHELL • MUSICAL FIDELITY • NAD • NAIM • OPERA • PRECIOUS METALS • QED • REGA • ROGERS • ROYD • SENNEHEISER • SILTECH CABLES • SME • SONNETEER • SONUS FABER • TEAC • THORENS • TRANSPARENT CABLES • UNISON RESEARCH • WILSON

MARTIN LOGAN COPLAND

Clearance • Second Hand • Ex-Docs • Equipment • Details on request

0% Instant Finance Available

New Demonstrator Rooms • Free car parking • Major Credit Cards • Personal Export • Mail Order • Installation Service • Repair facilities
5 mins walk Raynes Park BR • 20 mins Waterloo
5 mins from A3 (Raynes Park B28 exit) • 25 mins M25 Junc 10

60 Durham Rd, West Wimbledon, London SW20 0TW
Est. 1966
Tel: 020 8946 1528 Fax: 020 8946 0331

We aim to provide a well chosen selection of quality hi-fi and accessories including FMJ, ARCAM, B&W, NAUTILUS, DYNAVECTOR, LINN, LOEWE, MERIDIAN, M&K, NAIM, PIONEER, PROCEED, NEAT, REGA, ROTEL, SHAHINIAN, YAMAHA + more

www.infidelity.co.uk

Open: Tues-Fri 10.30am-7pm, Saturday 10am-6pm

Infidelity
INDECENTLY GOOD HI-FI

9 High Street, Hampton Wick, Kingston upon Thames, Surrey KT1 4DA
Tel: 020 8943 3530

AUDIO CONCEPTS

27 BOND STREET, EALING LONDON W5 5AS
TEL. 081 - 567 8703

Audio Analogue, Art Glass, Ash Designs, Avik, B&O, B&W, Cabletalk, Chord Company, Creek, Denon, Epos, Harman Kardon, Infinity, KEF, Lat, Marantz, Musical Fidelity, NAD, Nakamichi, Nordost, Orelle, Onkyo, Primare, Quad, Roksan, Rotel, Ruark, Sennheiser, SonicLink, Sound Style, Stands Unique, Straightwire, Supra, Tag McLaren, Target, Teac, Thorens, van den Hul

10 - 6 pm Mon., Tues., Friday, & Sat. Late night Thur., closed Wed.

Two demonstration rooms
Free local delivery and installation
Repairs and Services

SOUTH

WORTHING AUDIO

20 Treville Gate, W.Sussex BN11 1UA
(01903) 212133

The friendly shop with the best sound system in the South
Talk Electronics - Friendly Advice - 3 Year Guarantees
Easy Parking - Open Mon-Sat. 10am-6pm.
Late Night Wed 7.30pm.

Agencies include: Dynaudio, Ruark, Gradient, Roksan, Preak, Orelle, Sonneteer, Kora, Cymbol, Talk Electronics and many more.....

SOUTH WEST

SOUTH WEST ANALOGUE

SME - MICHELL - NOTTINGHAM ANALOGUE - LORICRAFT GARRARD - PROJECT - ORTOFON - TUBE TECHNOLOGY 64bit Valve CD Player, Remote Control Hybrid Integrated Valve Amplifier CROFT VOODOO Isolation platforms/Loudspeakers, Equipment Stands and T/Turntable lift off Perspex Covers. Record cleaning service - Secondhand equipment
01643 851 351
graham@southwestanalogue.fsnet.co.uk

NORTH

Basically Sound

NORWICH • NORFOLK

Audio Analogue, Briston, Cabletalk, Chord, Chord Co., Denon, Epos, Final, Isobue, Naim Audio, PMC, Prolog, Rega, Stax, Talk Electronic, Teac, TKD Opera, Audio Note and many others

The Old School School Road, Bracon Ash Nr Norwich, Norfolk NR14 8HG
Tel (01508) 570829

EAST

STOWSOUNDS
audio consultants

These And More Available From:

Creek JM Labs
Epos Living Voice
Exposure Neat Acoustics

For A Demonstration & Expert Advice Call
Stowmarket (01449) 675060
Stone Farm, Borough Lane, Gt. Finborough, Stowmarket

VINYL

THE DIRECT DISC
VINYL VINYL VINYL

Thousands of records always in stock.
+ a full range of sought after compact discs.
Extensive search service for wanted albums.

Comprehensive 96 page full catalogue available at £150

Telephone / Fax 01992 447764
Or visit our web site on www.directdisc.demon.co.uk

CHERISHED RECORD CO

UK SUPPLIERS OF VPI TURNTABLES, RECORD CLEANING MACHINES AND ACCs. HUGE SELECTION OF NEW & USED LPS & CDS

www.cherished-record-company.co.uk
01579 363 603

MAIL ORDER

Russ Andrews Accessories
Mail Order Direct

15th Anniversary

Q. How do I get the best sound from my system?
A. Order our free booklet!
It's essential reading for anyone who wants to hear the best music their system can deliver, and it's full of free tips and advice on how to upgrade your system.
Call and request your free copy quoting ref. AH32 or visit our website where you can download it now.

UK FREEPHONE 0800 373467

Russ Andrews Accessories Ltd., FREEPOST NW1981A, Kendal LA8 9ZA
Tel: +44 (0)1539 825500 Fax: +44 (0)1539 825540
E-mail: AH32@russandrews.com
www.russandrews.com

VALVES & TUBES

CVC Chelmer Valve Company
for audio valves

Buy CVC PREMIUM HI - FI valves direct from us. All valves processed for improved performance. We also have stock of MAJOR BRAND types inc. MULLARD, GEC, BRIMAR, RCA, GE, PHILIPS, etc.

The Stable, Baddow Park, Great Baddow, Chelmsford, Essex, CM2 7SY
Tel: 01246 241301 Fax: 01246 241309
Email: sales@chelmervalue.com

£600

Mr. Andrew Everard in Gramophone Magazine "delivers a sound that's both smooth and refined ... allied to a good degree of clarity and finesse"
HI-FI Choice "it's a 'classic valve sound'... warm and cuddly...vocals are generally lifelike and involving"
FREE colour literature. **£600 with free delivery**
Phone 01634 373410 anytime. **1 month home trial**
www.affordablevalvecompany.com **40 watts**

SERVICES & CONSULTANTS

Front End Problem?
contact
The Cartridge Man

It doesn't have to cost an arm and a leg to get the best - listen to my Koetsu - and Decca - eater.

Also agents for Croft, Hadcock, E.A.R. Michell & Moth.

plus cartridge re-tipping service
020 8688 6565
Website: www.thecartridgeman.com

◀pointing out that effectively, 'pure' unwatermarked CDs are far more compromised. As for the argument that DVD-A has yet to approach its paper 96/192 specification, he says that 18bits at 48 or 96kHz is better than 16/44! Then there's the other 'purist audiophile' argument that the video circuitry in DVD players interferes with

the sound. John suggests people make their minds up after listening rather than before!

There are now 26 million DVD discs, over 6,000 titles, with £500m of software sold in 2001. The writing is on the wall and Pioneer for one is happy to be part of the DVD revolution. He doesn't view SACD as a threat or a rival

to DVD-A, rather he thinks it's a 'subset' which Pioneer will include on future UK players (there is already a combined DVD-A/SACD Pioneer player available in Japan, remember). Meanwhile, look out for a new, entry-level DVD-Audio player - with 24/192 capability - soon. You never know, it could be Pioneer's 21st century PL-12! ■ ▲



Pioneer's all encompassing DVD-A reproduction system, on a Towshend Audio Seismic Sink

HEAD TO HEAD

DVD-Audio vs. CD - the verdict!

After the visit to Pioneer, over a slap-up Chinese takeaway, we compared CD, DVD-A and vinyl, using a selection of Max Townshend-tweaked Pioneer digital sources and his awesome Sir Gallahad 'speakers (the man behind the Rock turntable is a good friend of Mr. Bamford). It was a fascinating comparison and

one of the most interesting listening sessions I've been to in a long time.

Although we ran through a wide range of discs, the one we focused on for our A-B-C comparisons was Buena Vista Social Club, which is well done on all three formats: CD, DVD-A and vinyls. Kicking off with the CD, there was a decently large soundstage with a fair sprinkling of detail and a fairly musical sound. Moving to the DVD-A, things were transformed. This wasn't the kind of difference between a budget £300 CD spinner and a classy £1000 job -

No, it was much more than that. The DVD-A spinning around inside Max's lightly tweaked Pioneer DVD-939a totally blew Red Book CD out of the water.

The soundstage widened dramatically, the speakers dissolving and the instruments assuming their rightful position in the expansive acoustic. Such was the improvement in detail, definition and atmosphere, it was like someone had lifted Granny's woolly cardigans from both speakers. In a sense, the music sounded less 'rhythmic' as the gritty upper midband was transformed into a smooth, creamy velvet - a tell-tale sign that 16/44 was adding 'aggression' which artificially pushed the song along. Another striking aspect was the gaps 'between' the notes - these became inky black silences rather than fuzzy, muzzy blurs.

Even just a year or two into its life, on a good but not state-of-the-art player, DVD-A is superb. From the outset, you're very conscious of its high resolution nature - it feels like a highly tuned racing car to Compact Disc's family hatch. I love it, but it still isn't quite there in my humble opinion. Cue the vinyl! After the differences between CD and DVD-A, I hadn't been prepared for what LP could do. It had those stunningly fast DVD-A attack transients, but took all the elements in the mix, heightened them still further, added bags of atmosphere, detailing and textural information and - here's the clincher - put them all together in an incredibly beguiling and hypnotic way. Suddenly I got the sense that I was listening to real musicians playing real music, live! DVD-A is brilliant, but is still work in progress. Rob Watts from DPA has speculated to me privately that it won't touch vinyl until it gets to 384 with 32bits. What was patently obvious, however, was how risible 16-bit sounded.

DIAL-A-DEALER

This is a comprehensive directory of Hi-Fi Dealers throughout the UK and Ireland.

BEDFORDSHIRE

RICHARD'S AUDIO VISUAL 4 Greyfriars Bedford. Tel: 01234 365165. Stockists of: Arcam, Audioquest, Beyer, B&W, Bose, Cable Talk, Cyrus Denon, Marantz, Mission, Moth, Ortofon, Pioneer, Pro-Ject, Quad, REL, Rotel, Ruark, Sennheiser, Sound Style, Stands Unique, Teac, van den Hul & more! Expert friendly service: Listening room, Pioneer Reference Point, Visa / Access.

BRISTOL & BATH

THE RIGHT NOTE Tel: (01225) 874728. Just think: most audiophiles listen for most of the time to systems that are 'not quite right'. Are you happy with yours? Forget the reviews and trying to put together a system like a patchwork quilt with the 'best' bits around. It's our job to do the assessing, you judge our results. We'll help you to plan a system for the future, even if you spread the purchases. Leave the 'up-grade-itis' behind, save money and enjoy music all the time. Just listen, and you'll know. CD: Acuras, Audio Synthesis, Classe, DCS, Enlightened Audio Design, Meracus, Orelle, Wadia, XTC. Vinyl: Basis, Crown, Jewel, Graham, Michell, Sumiko, Transfiguration. Amps: Acuras, Audio Sculpture & more. Speakers: Audio Artistry, Audio Physics & more. Tuners:昌fare, Magnum Dynalab & many more. Cables: Chord, DNM, Silver Sounds & more. (Credit Cards Accepted).

VAUDIO HiFi Consultants: 36 Druid Hill, Stoke Bishop, Bristol, BS9 1EJ. Tel: 0117 968 6005. ATC, AVI, Alon, Audio Analogue, Audiomeca, Cadence Valve, Chord Amps, Electrocompaniet, Harman Kardon, Heybrook, Jamo, LFD, Lyra, Opera, Ortofon, Pink Triangle, Ruark, Mark Levinson, Michell, REL, SME, Shearman, Sonic Link, Sugden, Townshend, Triangle, Unison Research Valve Amps. Home Cinema demonstrated including, A/V Amps, DVD Players, Video Projectors and Screens. Demos by appointment only. Home trial facilities. Free installations. We are not a shop.

BUCKINGHAMSHIRE

NORTHWOOD AUDIO 98 Cambridge St, Aylesbury. Tel: 01296 428790. Established since 1992. Independent specialist retailer. Extensive Hi-Fi, A/V and Multiroom experience catering to your needs. From Vinyl to SACD, Valve to Solid State, from LCD to Plasma. Audiomeca, Audio Note, Cable Talk, Castle, Chord, The Chord Company, Cura, Denon, Elac, Epos, Exposure, Heart, JM Labs, KEF, Linn, Marantz, Michell, Micromega, Monitor Audio, NAD, Nakamichi, PMC, ProAc, Quadraspire, Rega, REL, Revox, Roksan, Rose, Rotel, Ruark, Sony, Sennheiser, Sonus, Talk Electronics, Tannoy, Teac, Tube Technology, Videologic, Vienna Acoustic. Export orders welcome. 2 demo rooms. Credit facilities available. Website: www.northwoodaudio.co.uk Email: info@northwoodaudio.co.uk

TECHNSOUND 8 Granville Square, Willen, Milton Keynes, MK15 9JL. Tel: (01908) 604949. Fax: (01908) 202166. Audiophile Hi-Fi and Home Cinema specialists. All major brands stocked from Arcam to Yamaha. Meridian Digital Home Theatre dealer. Video projection, Plasma screens. Custom installation. 2 dem rooms and expert advice. Email: hifi@technosound.co.uk www.technosound.co.uk

CAMBRIDGESHIRE

THE AUDIO FILE 41 Victoria Road, Cambridge. Tel: 01223 368305. 'For the best in British Hi-Fi and Home cinema entertainment'. Visit or call to arrange a dem with products from: Arcam, Linn, Naim, Rega, Cyrus, Absolute Sounds, Kef, Sony, Yamaha, Rel, Ruark, Denon.

CHESHIRE

ACOUSTICA 17 Hoole Rd, Chester CH2 3NH. www.acoustica.co.uk. Tel: 01244 344227. All that's best in HiFi & Home Cinema from quality manufacturers including Naim, Rega, Arcam, Musical Fidelity, Rotel, Selec Projectors, Kef, Ruark, Densen, Primare, Teac, JM Lab, Nakamichi, Quadraspire, Celestion & Crimson. We offer friendly, helpful advice, interest free credit & trade-in facilities, and deliver & install systems throughout Cheshire, Merseyside & North Wales. Opening hours are Tuesday to Saturday 10.00 until 5.30, evenings by arrangement

ACTION GATE AUDIO 4 Ruabon Road, Wrexham, North Wales. Tel: 01978 364500. Audio Visual Specialists. Arcam, Audio Analogue, Bose, B&W, Celestion, Castle, Denon, Harmon Kardon, Jamo, Marantz, Michell, Mission, Onkyo, Pro-Ject,

Musical Fidelity, NAD, Micromega, Myrad, QUAD, Radford, Rotel, Ruark, Tannoy, TDL, Teac, Thorens, UKD, Unison Research, Yamaha, DSP Club Member, Demo Room, installation service, Easy Parking and Motorway access. All major credit cards accepted. 9.30 - 5.30 daily. Closed Sunday & Monday.

DOUG BRADY HI-FI Kingsway Studios, Kingsway North, Warrington, WA1 3NU Tel 01925 828009 Fax 01925 825773. Visa, Mastercard, Lombard Tricity. 2 dem rooms, home trial; Agencies include: Arcam, Tag McLaren, AVI, B&W, Castle, Caspian, Chord Electronics, Exposure, Harbeth, Heybrook, Krell, LFD, Michell, Meridian, Musical Fidelity, Monitor Audio, Naim, Nautilus 800 series, Pink Triangle, ProAc, Roksan, SME, Wilson Benesch, XTC and many more.

CORNWALL

SOUNDS PERFECTION Cornwall's most exclusive Audio retailer. Agencies include: Audio Analogue, Audio Design, Audio Note, AudioQuest, Audio Spectrum, AR, Avid, Border Patrol, Boston, Dynavector, Electrocompaniet, Graaf, Henley, JM Labs, Lexicon, Michell, Monitor Audio, Musical Fidelity, Ortofon, Parasound, Primare, Project, NAD, Nakamichi, Nordost, Philosophy, REL, Roksan, Ruark, Rotel, Totem, Tom Evans, Tsunami, S.M.E., Sugden, Stands Unique, Unison Research, Teac, Vienna Acoustics, Triangle, Trichords, WBT, Sonic Link. Home Demonstrations by Appointment. Tel/Fax 01326 221372 Mobile 07798 554357 email nigel@soundsperfection.co.uk website www.soundsperfection.co.uk

DORSET

MOVEMENT AUDIO 588 Ashley Road, Poole, Parkstone, Dorset BH14 0AQ. Tel: (01202) 730865/380018. Arcam, B&W, Castle, Chord Electronics, Cyrus, Denon, Marantz, Michell, Mission, Pioneer, Tannoy Dimension, Yamaha. 2 Dem rooms. Listen to the available choice and decide at your leisure - no pressure, no obligation. Our staff enjoy music, with our choice of products, you can too! Service Department. Free installation. Home trial facilities. Access, Visa, Amex, Diners Card. Credit facilities available. Open Tuesday-Saturday 10-5.30. www.movement-audio.co.uk

MOVEMENT AUDIO 926 Wimborne Road, Winton, Bournemouth, Dorset, BH9 4DH. Tel: (01202) 529988/520066. Arcam, B&W, Denon, KEF, Marantz, Mission, Musical Fidelity, Opera, Pioneer, Quad, Roksan, Ruark, Yamaha. Full dem facilities available, also home dem. Friendly expert advice. Service Department. Free installation. Home trial facilities. Access, Visa, Amex. Open Tuesday-Saturday 9.30-5.30

DAWSONS OF WESTBOURNE Home Cinema Specialists. Main agents for Bang & Olufsen, Harman Kardon, JBL, REL, Mordaunt Short, Sony, Technics and TDL. Demonstration facilities include our unique Dolby pro-logic system comparator for the ultimate way to choose the perfect system. Also on demonstration large screen televisions from Thomson, Sony and Ferguson with video projectors from Sharp and Selec. Dawson's, 23 Seamoors Road, Westbourne, Bournemouth 01202 764965

WEYMOUTH HI-FI 33-35 Maiden Street, Weymouth, Dorset DT4 8BA. Tel (01305) 785729/766345. Arcam, B&W, Denon, KEF, Marantz, Mission, Musical Fidelity, Panasonic, Pioneer, Quad, Sony, Tannoy, Yamaha. Dem room. Friendly professional advice. Only quality hi-fi dealer in Weymouth area. Service Department. Free installation. Home trial facilities. Access, Visa, Amex, Switch, Delta Mastercard. Interest free credit. Open Mon-Sat 9.30-5.30

ESSEX

GRAYSTON SOUND & VISION 33 Sir Isaac's Walk, Colchester (01206) 577682. Alchemist, Arcam, B&W, Boston Acoustics, Castle, Denon, Harman Kardon, KEF, Linn, Loewe Opta, Meridian, Michell, Musical Fidelity, Philips, Pioneer, Project, Rotel, Sennheiser. Superb demo rooms, free regional delivery and installation. Regular musical and surround evenings, home demonstrations. Excellent credit facilities.

GLOUCESTERSHIRE

THE RIGHT NOTE - Bath. For specialist advice and home demonstrations. See BRISTOL & BATH.

HEREFORDSHIRE

ENGLISH AUDIO 37 Whitecross Road, Hereford, HR4 0DE. (01432) 355081. Arcam, A.T.C., B&W, Castle, Cura, Cyrus Centre, Elac, Denon, JM Lab,

KEF, Loewe, Marantz, Mission, Musical Fidelity, NAD, Naim, Pink Triangle, Pioneer, Project, QED Systemline, REL, Rotel, Ruark, John Shearman, Stax, System Audio, Teac, Vienna Acoustics, Wadia, and Yamaha. Single speaker dem room, home trial facilities, free installation, service dept, Access/Visa, Credit arranged. Open Mon-Sat, 9.30-5.30pm. BADA members.

HERTFORDSHIRE

AUDIO FILE (THE) 27 Hockerill Street, Bishops Stortford, Herts. Tel. (01279) 506576.

DARBY'S OF ST. ALBANS. 6 Market Place, St Albans, Herts. Tel: (01727) 851596. Fax: (01727 812217) Email: sales@darbystvhifi.co.uk Hertfordshire's premier Hi-Fi/Audio Visual specialists established 1946. Full Home Cinema demonstration suite. Whether your needs are large or small, we stock it all: Arcam, Cyrus, JVC, Yamaha, Quad, Denon, Sony, Bang & Olufsen, Pioneer, REL, KEF, Mission, Ruark, Celestion and many more. Free planning service. Free Delivery and basic installation. Full workshop facilities. Open 9-6 Mon-Sat.

LANCASHIRE

ADVENTURES IN HI-FI 5, Bishopgate, off Hallgate, Wigan, WNI 1NL. Tel 01942 234202. For the best hi-fi and home cinema products from quality manufacturers including Naim, Rega, Cyrus, NAD, KEF, Denon, Dynavector, Rotel, Shahinian, JM Lab, PMC, Project, Quadraspire, Selec and Sanyo projectors. We offer friendly advice, excellent demonstration facilities, 0% finance, free delivery and installation throughout the North West. Opening hours 10.00 - 5.30pm Tuesday to Saturday evenings by appointment.

LEICESTERSHIRE

LEICESTER HI-FI 6 Silver Walk, St Martins Square, Leicester LE1 5EV. Tel: (0116) 2539753. Email: info@leicesterhifi.co.uk www.leicesterhifi.co.uk Arcam, B&W, Chord Electronics, Copland, Cyrus, Denon, Greig Loudspeakers, KEF, Marantz, Michell, Miller & Kreisler, Musical Fidelity, NAD, Nakamichi, Nautilus, Mission, Project, Rorel, Sanyo Projection, Talk Electronics, Teac, Technics, Yamaha, and many more. 4 Listening areas over 3 floors. We can demonstrate, deliver and install. Including A.V. and Multiroom. Credit Facilities. All cards taken, open 6 days 9.30-5.30.

LONDON

BABBER ELECTRONICS SERVICE CENTRE 158 Uxbridge Road, West Ealing, London, W13 8SB. Tel. 020 8579 6315. Akai, Aiwa, A&R, Celestion, Dual, Goodmans, Harman Kardon, JBL, JVC, Kenwood, Marantz, Panasonic, Sennheiser, Sony, ES range, Tannoy, Technics, Wharfedale, Yamaha and many more. Auth. Service Dept. Credit Facilities, Open 10.30 - 5.30 Mon-Sat.

INFIDELITY 9 High Street, Hampton Wick, Kingston-upon-Thames. Tel: (020) 8943 3530. for full details see entry under SURREY

HIFI EXPERIENCE 227 Tottenham Court Road, London W1. 020 7580 3535. Arcam, Cyrus, Denon Gold, Quad, Kef, Meridian, Yamaha, Marantz, McCormack, Mirage, Nakamichi, Musical Fidelity, PAFF and many more. Open 10.00-7.00 Mon-Fri, 9-6 on Sat. Service dept, Credit facilities, delivery and free installation.

THE LISTENING ROOMS 161 Old Brompton Road, London SW5 0LJ. (020) 7244 7750/59. Fax (020) 7370 0192. Linn, Quad, Meridian, Nakamichi, Arcam, Audiolab, Acoustic Energy, SME, Audio Research, Krell, Wadia, Theta, Apogee, Martin Logan, Pioneer, Tannoy, Systemdek, Stax, Pink Triangle, Michell, Monitor Audio, Yamaha, Marantz, KEF, Bose, Celestion, Epos, Mission, Denon, Neat Petite. Mon-Sat 10-6pm.

THOMAS HEINITZ LTD 35 Moscow Road, Bayswater, London, W2 4AH. Tel: 020 7229 2077. Fax: 020 7272 9348. Email: info@thomasheinitz.com. Web site: www.thomasheinitz.com. Established in 1952, Thomas Heinitz has a long history of providing the best music and AV systems available. We continue to offer the highest standard of service in the most relaxed atmosphere. Whatever your needs, from multiroom and home cinema to a high quality stereo system, we offer consultation, design specification, architect liaison and installation in order to ensure your system is tailored to your exact requirements. For quotes contact our manager Johnny Drum.

MEET-YOUR-MAKER

A reference guide to Britain's manufacturers and distributors

AFFORDABLE VALVE COMPANY £600 Valve amplifier. Powerful 40 watts. Powerful bass. See colour photograph in 'Specialist Hi-Fi Dealers' section. Mr Andrew Everard in Gramophone Magazine "delivers a sound that's both smooth and refined...allied to a good degree of clarity and finesse" Free colour literature. Telephone: 01634 373 410 anytime. Website: www.affordablevalvecompany.com

AUDIOPHILE FURNITURE LTD The Square, Forest Row, East Sussex RH18 5ES Tel: 01342 826262. Fax: 01342 824845. Manufacturers of the patented BASE Vibration Control Platforms and the Modular Audio Support System. These Products are endorsed by Hi-Fi World. Also newly introduced are the Resonance Controlled Hi-Fi Cabinets which are multi level modular design and available in various sizes and wood finishes. Please telephone for more details and a product portfolio.

AUDIO SYNTHESIS Manufacturers of the the outstanding DAX digital to analogue converter, comes DAX-2, a new Hi-End reference converter able to dig deeper into the digital source than ever before! A new addition to the superb PASSION series of all Vishay controllers has just been introduced in the form of PASSION 8, a fully remote controlled uniquely transparent passive preamplifier, the perfect match for DESIRE. By word of mouth our DESIRE power amplifier is rapidly convincing listeners, whether passive or active! New for 1997 is TRANSCEND a state of art CD transport with AES, coaxial, AT&T glass and Toslink outputs. Audio Synthesis, PO BOX 50, Nottingham, NG9 1DZ. Tel: (+44) (0)115 922 4138. Fax: (+44) (0)115 922 9701.

BORDER PATROL 63 Berriedale Avenue Hove BN3 4JD Tel/Fax 01273 276716. Manufacturers of Power Supply Units for valve amplifiers, Single-Ended Power Amplifiers and high quality Transformers. The Border Patrol PSU: valve-rectified choke input filter power supply units which dramatically improves the sound of valve amplifiers: models available to suit Audionote, Audio Innovations, Audion, Art Audio, Cary, Unison Research, World Audio Designs. The Border Patrol 300B SE single-ended valve amplifier featuring interstage driver transformers and valve rectified choke input filter power supplies. Border Patrol transformers: high quality output (PP and SE), interstage and pre-amp output transformers and high value inductors.

CREEK AUDIO LTD 2 Bellevue Road, Friern Barnet, London N11 3ER Tel: 020 8361 4133, Fax: 020 8361 4136.

E-mail: info@creekaudio.co.uk Internet: www.creekaudio.co.uk - Creek Audio build stylish Hi-Fi products in the UK, combining state of the art electronic design, with full bodied, accurate and musically rewarding sound. Our standard size products come in two award-winning ranges, the entry level 43 series and higher priced 53 series. These include: CD43 Mk2 - CD player with 24 bit resolution DAC, T43 AM/FM Tuner, Integrated Amps - 5350, 5350SE and 4330 Mk2 (described by Stereophile Magazine as the best amp under \$1000). Our A43 Mk2 and A53 Power Amps range from 50 to 250 Watts and both P43 and P53 Pre-Amps offer passive and active operation with remote control. In addition we have an award winning OBH range of small products: OBH-8/8SE MM and OBH-9 MC Phono Pre-Amplifiers, OBH-11 and 11 SE Headphone Amplifiers, OBH-10 and 12 Remote Control Passive Pre-Amps and OBH-14 - 24 bit DAC. See our home page for further details or call us for leaflets.

DBS AUDIO. PO BOX 91, Bury St Edmunds, Suffolk, IP32 7JU, Phone: 01284 723933 Fax: 01284 723933. Suppliers of Electro-Acoustic measuring equipment and CAD software to the audio industry. NEW: Clio win and Clio win Lite, the latest Windows versions of the Globally-established Clio Electro-Acoustic measuring system, used for loudspeaker design, Quality Control and electronics testing by many major audio companies. Clio win is the full (lab) system and Clio win Lite a lower-cost version for smaller companies and serious hobbyists. Both use the same purpose-built Clio HR200 ISA card, with its in-built mic, pre-amp and phantom powering. The matching Mic 01 (or Mic Lite) plugs straight in to make a complete system. Both versions offer the same high accuracy and ease of use: Clio win Lite simply has fewer functions. Common features include MLS testing (to eliminate sound reflections), sine and third-octave analysis, impedance, Thiele Small Parameters, LC meter, software and manual on CD ROM -- plus much more. Measurements may be exported to our Netcalc soft-

ware for accurate and easy crossover design. Also available: Boxcalc and Boxdraw bass optimisation packages and Outline speaker measuring turntable. Write or E mail and we will send fuller information and prices. Also, visit Audiomatica's new Website at: www.audiomatica.com

EMINENT AUDIO Distributor of Croft Valve Amplification. Tel 01902 656517. Fax: 0121 681 8772 Mobile 0956 921740 U.K. Stockists are: Classique Sounds (Leicester) GT Audio (London NW) Nottingham Analogue, Purist Audio, The Cartridge Man (Len Gregory - Croydon), call for overseas distributors.

EPOS ACOUSTICS 2 Bellevue Road, Friern Barnet, London N11 3ER. Tel: 020 8631 8864, Fax: 020 83614136.

Email: info@epos-acoustics.com Website: www.epos-acoustics.com Innovative design and superior sound distinguish EPOS speakers from other brands in a similar price category. Adhering to the EPOS tradition of musicality and communication, the new M12 follows closely the style of the successful ES12, and was awarded five gold stars in the March 2001 edition of What Hi-Fi? For more information about the M12 or the new M15 please see our home page or call us for leaflets.

FALCON ACOUSTICS LTD Tabor House, Norwich Road, Mulbarton, Norwich, Norfolk, NR14 8JT. Tel: (01508) 578272. U.K. distributors of FOCAL drive units and SOLEN (Chateauroux) polypropylene capacitors and the largest inductor manufacturer in the U.K. Comprehensive range of DIY Speaker Parts and Kits, Sub-Bass and Electronic Filters. "Everything but the wood" Enquiries should be accompanied by a 44p stamped addressed envelope.

IAN EDWARDS The Old Chapel, 282 Skipton Road, Harrogate, Yorks. Tel: 01423 500442. Somebody Somewhere must make better storage units for CDs, Music, LPs, HiFi, Books, etc. than Ian Edwards. BUT until he appears, why not send for the brochure showing a selection of HAND MADE units. To do this please send 3 x 2nd class stamps.

JEM DISTRIBUTION (FI RAX) Springfield Mills, Spa Street, Ossett, Wakefield, WF5 0HW. Tel: 01924 277626. Fax: 01924 270759. Fi-Rax offers a new dimension in audio visual racking. High quality aluminium construction. Finishes available to your choice. Fully adjustable 6mm glass shelving, sound insulation on shelffeeet. Custom created to suit your system. Free delivery throughout the UK. For further information or a free brochure contact JEM Distribution.

LANGREX SUPPLIES LTD 1 Mayo Road, Croydon, Surrey, CR0 2QP. Tel: 020 8684 1166. Fax: 020 8684 3056. One of the largest distributors of electronic valves, tubes and semi-conductors in the UK, and USA manufacturers, stock. We specialise in obsolete types including original UK and USA made audio valves. Telephone or fax for an immediate quotation.

NORTONTECHNOLOGIES LTD Manufacturers of the acclaimed AirPower LPI2 Power Supply. 14 Rothsey Avenue, Chelmsford, CM2 9BU. (01245) 283125

NOTTINGHAM ANALOGUE STUDIO Tel: 01773 762947. Design and manufacture of quality analogue audio. We're in the business because we realise how important music is. Our turntable arms and cartridges sell the world over. Our Main UK Dealers: Radlett Audio. Tel: 01727 85577. The Audio Consultants: Tel: 020 7380 0866, Valrus Systems: Tel: 020 7724 7224.

PLATFORM 7 High density marble ISOLATION PLATFORMS for all makes of equipment RACKS/STANDS. An elegant way to UPGRADE. Improves clarity; better BASS control. 3 Abbotts Drive, North Wembley, Middlesex HA0 3SB. Tel: 020 8904 2646. Also NEALGAR DISTRIBUTION Tel/Fax 01296 24756.

PMC/BRYSTON Emmy award winning manufacturers of the highest quality loudspeakers and amplification. Industry standard in Mastering, Film Scoring, Broadcast and Post Productions. (5.1 & Stereo) PMC Products: Compacts, Floorstanders, and Large passive & active monitors. Prices range from £500 to £32,000. Finished in a large selection of exquisite real wood veneers, all PMC loudspeakers are available in horizontal mirrored pairs, centre channels and complementary subs for 5.1 surround systems. Bryston's balanced range of products include R/C Preamps, Integrated Amp modules for all the PMC range, Mono, Stereo 150W to 800W per ch, 3 Ch, 4 ch and 5 channel THX amplifiers, Surround processors,

all with distortion figures and build quality to die for. Every product is available in silver or black backed by a 20 year warranty. PMC Ltd 43-45 Crawley Green Road, Luton, LU2 0AA. Tel: 08704 441044 Fax: 08704 441045 Email: sales@promonator.co.uk Web: www.pmc-speakers.com

REL ACOUSTICS North Road, Bridgend Ind Est, Bridgend, Mid Glamorgan, CF31 3TP UK. Tel: 01656 768 777, international +44 656 768 777. Fax: 01656 766 093. international. +44 656 766 093. Email: contact@rel.net Web: http://rel.net The UK's only specialist sub-bass speaker manufacturer. "The only one that works". Get your dealer to give you a home demo and find out what the fuss is all about.

RDE TANDBERG HI-FI SERVICES Holly Tree House, The Green, Full Sutton, YORK YO4 1HW. Tel: 01759 372795. The service, overhaul and reconditioning of all Tandberg hi-fi products regardless of age.

SONIC LINK The Derwent Business Centre, Clarke Street, Derby, DE1 2BU Tel: 01332 361390. Fax: 01332 200698. "Makes the World's Finest Hi-Fi Cable From the Highest Quality Materials" SonicLink Black Rhodium interconnect uses Rhodium plated wire, Vermilion uses pure Titanium wire. S-Gold mains cable improves the picture quality in TVs, computer monitors and home cinema as well as sound in hi-fi systems. Best selling products include Red, Silver Pink and Violet interconnects. AST75x2 AST200x2 and S130x2 Biwire loudspeakers cables and Green digital 75 ohm interconnect.

SOUND BYTES 72 Novar Drive, Hyndland, Glasgow, G12 9TZ Tel: 0141 339 7595 Fax: 0141 339 7592 e-mail bytes@colloquium.co.uk. We specialise only in mass loading material. After hours exhaustively testing SOUND BYTES with various types of speakers, we know it works and so do you - we have never had a single complaint. Call us for advice on how much to add to your equipment for the best performance and the location of your nearest dealer.

SOUND IMAGE UK LTD. 52 Milton Road, London SW14 8JR. Tel: 020 -8255-6868. Importers and distributors of the finest audio equipment, featuring the stunning Boulder 2,000 series and the complete range from Norwegian manufacturer Electrocompaniet.

J E SUGDEN & CO LTD Valley Works, Station Lane, Heckmondwike, West Yorkshire, WF16 0NF. Tel: 01924 404088. Email jesugden@compuserve.com. Superb amplifiers and compact disc players from the original class A Company. Our unique wide-bandwidth Masterclass series sets new standards in sound reproduction and can be upgraded to 180 Watt balanced monoblocks. Prices start from £549.00 for the incredible Audition-T and £649 for the legendary A21a. Contact us now for Brochures, reviews and purchase details. British owned - British built.

TALK ELECTRONICS Unit 12, Farnborough Business Centre, Eelmoor Road, Farnborough, Hampshire, GU14 7XA. Tel: 01252 378383. Please ring for details

TAG McLAREN AUDIO - The Summit, 11 Latham Road, Huntingdon, Cambs, PE18 6ZU. Tel +44 (0) 1480 415600 Fax +44 (0) 1480 52159. Combining science and technology with distinct style, TAG McLaren Audio's complete range of audio and audio-visual products are designed to bring maximum pleasure to the discerning listener. To find out more visit our website at www.tagmlarenaudio.com, email us on HelpDesk@tagmlarenaudio.com or contact our helpdesk on freephone 0800 783 8007.

TECH-LINK distributes some of the best performing hi-fi and a/v accessories currently available in the U.K. These include: Puresonic, best known for its range of high performance interconnects and connectors, and cable adapters for a wide variety of hi-fi and a/v applications in its range; Tech-Link's own brand Switch Boxes are the perfect solution to multiple applications - for example, its highly acclaimed TAS-1 is a very practical and inexpensive way of switching your speakers between hi-fi and home cinema systems; and Shark - a range of very exclusive high quality cables, interconnects and connectors. For more information , contact: Tech-link at Units 1/2, 76a Farnley Road, London, SE25 6NX. Tel: 020 8771 8388, Fax: 020 8771 1840.

To advertise in Meet Your Maker please
call Amanda Sweeney on
020 8864 4760

MEET-YOUR-MAKER

SPEC-TALK

Pioneer's SPEC-1/SPEC-2 pre-power amplifier combination was 1970s super-fi at its most outrageous. David Price says yes to excess.



It is 1978, and you're in downtown Tokyo walking past one of the many 'kamera' shops when something catches your eye. Something strange catches your eye. You double-take and see a huge, vast, sprawling tower of the very thickest, chunkiest brushed aluminium, complete with rack mounting grab handles stronger than a truck tow bar. It is without doubt the most outrageous pre-power amplifier combination you've ever seen. It isn't built like a Revox - no, it's far better than that. As far as styling goes, this combo puts even the biggest and most excessive Yank behemoths to shame - twice.

Yes, it's a silly moniker, but it sort of makes sense - if you had a check box with every feature and facet of this combo, and compared it to any other around at the time, the Pioneer would undoubtedly win the 'spec' war. 'Specs' lest we forget, were what people bought hi-fi on in those days. Many seventies audio buyers spent a lot of time looking at power output figures, frequency response graphs, signal-to-noise ratios and the like. After a visit to his local Laskys, even the most non-technical seventies hi-fi duffer would come home crosstalk-savvy, and wise to the need for infinitesimally small amounts of transient intermodulation distortion!

The SPEC-1 preamplifier measures a vast 480x186x445mm and weighs the best part of 20kg. Aside from looking absurdly ostentatious, its main role in life is to bring incredible connectivity to the life of any lucky purchaser. It boasts two phono inputs (one with 12dB attenuation via a 'level' control), two aux inputs, two tapes, tuner and Mic (with its own level control and mixing facility). There are two bass and

treble controls (50Hz, 100Hz, 10kHz and 15kHz respectively) with switchable defeat, high and low filters with switchable frequencies, variable attenuation, balance, headphones and speaker selection. Round the back, the SPEC-1 has a raft of RCA phono sockets, plus no less than 5 mains outlets for the countless ancillaries any owner would doubtless own.

The SPEC-2 is the crowning glory. It shares the height and width of its partnering preamp, but is deeper still and weighs 25kg! The front boasts two vast power meters, calibrated to 500W (no idle boast!), and input attenuators for left and right channels. When you switch on, a red protection LED lights up, to stop the amp dumping its entire 250W RMS per channel into 8 ohms (twice that into 4) into your speakers. Its 'specs' are jaw dropping - how does 5Hz to 80kHz (at -1dB) frequency response and 0.05% THD at 125W continuous sound? Then there's its 1,300W power consumption to ponder. It's a big boy's amplifier, make no mistake.

So how do they sound? At this point you'd expect the bad news - after all, with all those frills and fripperies, they can't possibly be any good. Well, with this combo, Pioneer proved that if you spend enough money, you can have it all. In isolation, the SPEC-1 preamp is definitely the weaker of the two - but is still clean, clear, smooth and detailed. Drive the SPEC-2 direct though, and you hear a

gut-thumping, hear-through experience - it feels like the analogue outs from your CD player or phono stage are direct coupled to your speaker voice coils. Awesomely powerful and strong, the SPEC-2 goes at any kind of music, from drum & bass to classical, like a jackhammer. It's smooth and refined too, with only the effortless musicality of today's top Brit high-end products to show it up. So, if you're feeling down, just turn up the volume, cue up some rock or dance music and be amazed at its endless reserves of grunt and wallop. Put simply, this thing makes a Naim NAP250 sound like a NAIT 1.

This is one of those Olde Worldes to die for - classic Sony V-FET transistor amps sound sweeter and Leak TL12s more musical, but if it's pure, unreconstructed power you want, there's little to match Pioneer's SPEC-1/SPEC-2. Factor in the sublime levels of build and finish, plus the imposing (some would say daft) looks of the beast, and it's a hell of a package. You can still find these around, but expect to pay £1000 plus. Best place to look is on the continent - a lot were sold to the 'high end heaven' that is the German market. Keep your eyes peeled, and be prepared to travel on spec. ■ ▲



Probably the best CD Player money can buy.

Creek CD53 reference standard CD Player



You've heard the rest, now hear the best

With the advent of SACD and DVDA, you may be wondering why Creek have designed a new high-end CD player. Research has shown that while these new technologies allow for increased resolution, when plying discs recorded in the new formats, they are not so convincing at extracting the best from CD's. As CD has been around for 20 years, many people have built up large libraries of discs and want to get the best from them for years to come. Creek feel that a statement product is required to achieve this and have left no stone unturned in their attempt to achieve it. The CD53 is the ultimate reference standard, achieving the best performance money can buy. The CD53 uses a Philips transport, custom Creek software, ultra-low jitter master clock and waveform shaping, for maximum signal retrieval. In addition to its no compromise power supply circuitry, it uses professional standard balanced audio output filtering and buffer circuitry to provide the lowest noise and highest fidelity signal available.

Contact us for more details or visit our web site:-

Creek Audio Ltd, 2 Bellevue Road, Friern Barnet, London N11 3ER
Tel # +44 (0)20 8361 4133 Fax # +44 (0)20 8361 4136

email: info@creekaudio.co.uk internet: www.creekaudio.co.uk

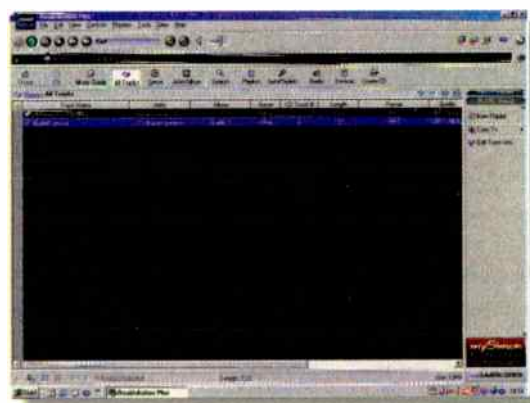
computer audio world

advertising@computeraudio.co.uk
editorial@computeraudio.co.uk
news@computeraudio.co.uk

www.computeraudio.co.uk

THE REAL THING

RealNetworks is a serious player in tomorrow's world of digitally downloadable music. David Price auditions its latest and greatest software product, RealJukebox 2 Plus.



RealNetworks is a company on a mission. Formed in 1994 by ex-Microsoft man Rob Glaser, it's now the biggest fish in online music distribution - much to Microsoft's chagrin, no doubt. As well as forming MusicNet earlier this year (along with Warner Music, Bertelsmann and EMI), its RealPlayer format is now incredibly popular. With over 200 million unique users (more than all the other formats put together), its Real.com website is the most visited music portal.

Mac and PC users alike will know RealPlayer, a little piece of software that lets you play downloaded or streamed music from the net. It's freely downloadable and often comes pre-installed with new computers. RealPlayer forms the core of RealJukebox, which takes the basic idea and adds a welter of extra features, most significant of which are recording and playlisting. The version you see here is RealJukebox 2 Plus (build 1.0.2.340), which comes with all the bells and whistles imaginable, and is purchasable online.

Until recently, programs of this

type used to be called 'MP3 jukeboxes'. This term now seems a little quaint, since the latest RJ2 supports not only MP3 but AAC and the new RealAudio 8 format - which is by any other name (would you believe it) Sony's ATRAC 3, as used on your very own MiniDisc player. Before you ask though - no, it doesn't do WMA (Windows Media Audio). This has probably got something to do with not giving your mortal enemy the oxygen of publicity. If that approach was good enough for Microsoft with Windows Media Player 7 (which cynically didn't record in MP3), then I guess it's good enough for RealNetworks! Still, in fairness, there's an optional, downloadable plug-in for WMA, along with Liquid Audio and a number of more obscure formats. Even so, the formats you get as standard are superbly supported, with all their possible bitrates offered. You get a bewildering choice of ATRAC 3 from 352kbps to 32kbps, MP3 from 320kbps to 32kbps (as well as Variable BitRate) and AAC from 128kbps to 32kbps plus of course good old uncompressed 16/44

WAV files.

RealJukebox Plus takes ages to install, on account of it (and all the associated bundled bits) taking up no less than 290MB of disc space. The days of MP3 players measured in KB are well and truly gone. Still, you won't complain when you finally get it going because it's mind-bogglingly comprehensive. The program defaults to HOME, which offers a long list of its available options:-

- WHAT'S NEW lets you subscribe to the RealJukebox Sound Bytes Newsletter
- PLAY/RECORD CD lets you listen to and record your CDs
- MUSIC GUIDE offers new free downloads daily from the net
- INTERNET SEARCH scours the net for the best downloads
- ACCESS YOUR MUSIC lets you play and manage all your tracks
- ARTIST/ALBUM lets you view tracks by artist or album

- ◀ RECENTLY PLAYED TRACKS gives fast access to your favourites
- SEARCH ALL TRACKS scours your music directories for any track using a keyword
- CREATE CUSTOM LISTS lets you hand pick a track list
- RADIO TUNER lets you listen to over 2,500 streamed radio and TV stations
- AUTOPLAYLISTS lets you automatically create playlists
- PORTABLE MUSIC DEVICES gives quick access to any digital music portable. It only supports the Rio 300 and 500, RCA Lyra, Creative Nomad and Philips Rush - the first three are obsolete and the fourth not available in the UK. Newer players can be added later, however
- CREATE AUDIO CDs is a basic CD authoring engine from Roxio - it's not supplied as standard but a link is provided to download it for free
- COOL LOOKS lets you change skins or select a minimised version
- VISUALISATIONS gives a host of pretty animations in time to the music, if so desired

Despite all the choices, the program is easy to use. To start, just insert an audio CD into your computer's CD-ROM drive and click on the CD button. Next, RealJukebox

tries to go onto the net to find the track and title information (assuming you're already online), and in seconds the track numbers become names. At this point, you can play any track you like, or check the boxes next to the tracks you want to record and press the record button. This done, the software starts recording in the chosen format (you need to set this in TOOLS/PREFERENCES/AUDIO QUALITY). On my notebook, ripping into either MP3, AAC or ATRAC 3 happened at around 3.7x - but my CD-ROM is practically Steam Age. When the tracks you've selected have been ripped, you can click on the ALL TRACKS button to see them, or add them to a playlist.

Although not the most intuitive piece of code around, you'll know your way around RealJukebox after a few minutes of fumbling. This done, you've got a fantastically comprehensive resource available - it can rip in any format (including AAC), play, burn playlists to CD automatically or tune into any one of thousands of radio stations world-wide.

Reservations? Not many. First, I'd have liked it to have the Fraunhofer MP3 codec bundled as standard (like its MusicMatch Jukebox rival), but you can always install one of these later.



Second, I'd have liked a little switch on the toolbox which let me toggle between pre-selected bitrate versions of MP3, AAC and ATRAC 3, without having to fumble around in the PREFERENCES menu.

This said, it's still hard to fault. An incredibly powerful and flexible program that really pushes computer audio into the Twenty-First century, the full-on version of RealJukebox is a superb investment for anyone serious about using their computers for enjoying music. It's better than all other 'MP3 jukeboxes' I've reviewed to date, and compared to those of even a couple of years ago, it's in a totally different league. Superb. ■ ▲



MP3 vs. AAC vs. ATRAC 3

Thanks to RealJukebox 2 Plus, it's easy to compare the three main compressed audio formats side by side, so we decided to give it a go. The test was conducted on my audio PC, running a Zefiro ZA2 digital interface card. This runs a direct digital datastream out into a Cambridge Audio DACMagic 2 digital-to-analogue converter, driving a Rose Scion integrated amplifier and Mission 782 loudspeakers. By running the signal out through the Zefiro, it ensures we're not listening to the vagaries of any particular computer soundcard, but the respective codecs themselves going straight into the known quantity that is the DACMagic 2 hi-fi D/A converter.

Rather than trying every possible permutation of bitrate and format, the test involved running each format at its maximum permissible quality level to see what it was theoretically capable of - the issue of how well each format resolves the sound/file size compromise is a question for another day. The listening was framed around a recording of 4 Hero's 'Escape That', a superbly recorded jazz/drum'n'bass track that has bags of bass energy, sweet cymbals and that all-important female voice. The respective file sizes of the various formats coding

this 5 minute, 23 seconds piece of music were as follows:

MP3	320kbps	12MB
AAC	128kbps	5.06MB
ATRAC3	352kbps	14MB

Kicking off with MP3 (using an external Fraunhofer Professional MP3 codec selected by Windows Multimedia control panel) I was struck by how deep and powerful the sound was. Once again, MP3 stuck two fingers up to its detractors, giving deep, growling bass, rich lower midband, clean and three dimensional upper mid with beautifully carried female vocals and sweet, crisp treble.

Moving to AAC, the energy of both frequency extremes seemed a little curtailed. Bass was a touch lighter and marginally tighter, starting and stopping more rhythmically. Moving up the frequency range, there was a just a touch less three dimensionality about the sound than MP3, although it seemed better at contrasting the respective timbres of the different instruments in the mix. The brass sound was more distinct from the female vocals, for example, standing out better. Treble was curiously less prominent than MP3, but texturally better resolved. It sounded sweeter and silkier - almost too silky in fact. The overall effect was a tauter, more rhythmic sound, but I have to say I preferred the big hearted, more

languid warmth of MP3.

Switching to ATRAC3 was the biggest revelation. The sound was noticeably coarser and more rough and ready. Bass was lighter than AAC and sounded far weaker than MP3, giving a mid-forward sound that was definitely more rhythmically engaging but far less tonally pleasing. I was struck by how much easier it was to focus on the counterpoint between the snare drum and hi-hats with ATRAC3, and how much punchier it all sounded, but also how much more lightweight and coarse it was. Treble was the worst by far. MP3's highs were superb, AAC's very polished, and ATRAC3's was full of artefacts - it sounded far too phasey and splashy for my liking.

Overall, MP3 won the day, with AAC very close behind using virtually half the disc space - on a fair 128kbps to 128kbps comparison, AAC would kill MP3, and ATRAC3 too!

RELATIVE STRENGTHS

	MP3	AAC	ATRAC3
tonality	5	4	2
rhythm	4	4	5
dynamics	4	4	5
detail	5	5	4
SCORE	18	17	16



World Verdict
£☆☆☆☆

Right now, it's the state of the art in computer audio software.

JUST WHAT I ALWAYS WANTED

David Price forsakes journalistic impartiality to extol his love for Edirol's UA-3 audio capture card!



Until the advent of this product, the only way to get high quality music into your PC (for editing, audio restoration, duplication and/or CD burning) was to rip out the standard soundcard and replace it with something decent. With a good card costing anything from £100 to £250 many people are tempted to leave well alone and abandon any thoughts of getting digital music into their computers.

Well, now that's all changed thanks to Edirol's UA-3 'audio capture' USB interface.

First things first. Although Edirol is a relatively unknown brand, this product is actually designed and built by Roland, a company responsible for some of the greatest bits of electronic musical goodies ever made. Synth fans will worship at the altar of their classic Jupiter and Juno series designs, while the company single handedly changed the face of pop music with its TB303 bass synth and TR808 drum machine. The point is - the UA-3 has enviable DNA.

This is evident in its build and ergonomics, which are superb. Small, light and made from high quality, tough looking plastics, the UA-3 boasts tough socketry that should stand heavy (ab)use. It's a breeze to use. Simply plug it into the USB socket on your PC or Mac (either desktop or notebook), and it powers up without resort to an external mains adapter. You can then plug in a range of devices via the standard (6.3mm) 'jack' sockets (there's a choice of guitar or unbalanced), on the front panel, or the stereo mini-jack (3.5mm) MIC input, two RCA

line inputs and/or the optical digital input on the rear.

The two sliders on the front panel give mixing between the guitar/MIC inputs and the RCA, mini-jack and optical inputs, with peak LEDs to show when you're overloading the input circuitry. Although a little crude, this works well in practice - you just set the sliders so the peak indicators flash occasionally and then back off just a touch.

There's also a rotary output selector. You can send the signal out via the RCA line outs (for monitoring), the digital outs (for recording digitally to a DAT or MiniDisc, should you require) as well as direct into the computer for recording onto the hard drive, via the appropriate software such as Syntrillium's Cool Edit SE. Simple as that.

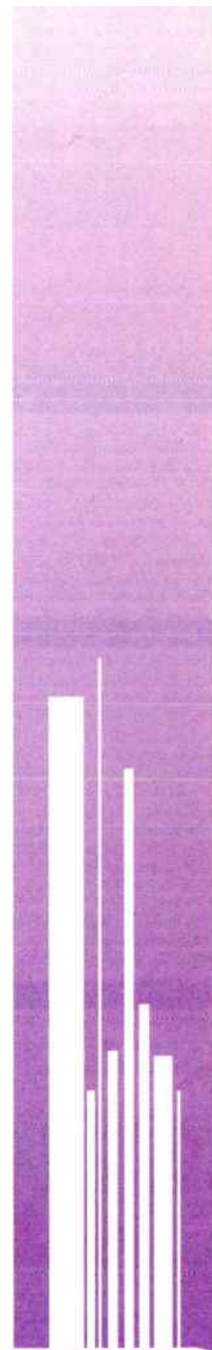
The Edirol works brilliantly. It feeds 44.1kHz, 16bit digits into your computer, with native operating system driver compatibility (either Windows MME or Mac Sound Manager) for a noiseless, glitch free feed of sound. There's even a 'Direct Hardware Monitoring' function which allows for zero-latency performance while recording, too. The result is that whatever soundcard you're running,

you get a very high quality sound-stream into your computer which you can then process, edit (or whatever) to your heart's desire, and then burn to CD-R (using, if necessary, an external USB CD writer).

Obviously, the direct digital inputs give the best possible sound - so you can feed the music straight in from your DAT, CD player, satellite box or MD machine. The built-in analogue to digital converters are excellent though - they're not up to the standards of, say, a £300 standalone A-D, or those included in Sony's TCD-8 DAT portable, but they're not that far behind. By comparison, those in your average soundcard sound thin, screechy, noisy and distortion-plagued. The UA-3 converters are smooth and detailed, sacrificing just a scintilla of depth, air and warmth to high end designs.

Brilliant, then. And the £149 retail price makes it all the more convincing. It's a great gadget. Along with a decent external USB CD burner (such as Plexor's S88TU), I can now turn my notebook PC into a fully specified, mobile music studio! Highly recommended - the headline says it all! ■ ▲

Edirol UA-3 £149.99
www.edirol.it/europe/



World Verdict



Brilliantly designed and executed, it can dramatically broaden audio computing functionality.

24 CARAT

David Price finds Sony's latest CRX175 to be a shining example of the state of the PC CD writing art.

Onward! The latest round of CD burners are now all at least 24x speed, meaning you can burn an average audio disc in the space of some three minutes should you desire. As I've found however, really high speed audio disc recording doesn't always make for perfect sounding CDs. Even with the best, certified media, things can start to sound a little phsey and splashy.

To this end, as far as computer audiophiles are concerned, the numbers game is becoming largely irrelevant. Rather, what people like us want is high quality, sturdy build, useful facilities and a healthy bundle of software - all of which this brand new Sony has, in spades! Right now it costs £279, but don't let that put you off. Experience suggests that within a month or two of hitting the retail ground, so to speak, Sony drives get heavily discounted and start to look far more affordable.

The drive is well built, as all Sonys are - with the exception of the Digital Relay tested last year. The disc loading tray doesn't feel like it will fall off days after the warranty period ends, and the mechanism is quiet and slick in operation. Quoted speeds are 24x10x40, making this a little rocket with everything from CD-R to CD-ROM playback. The drive records up to 700 MB of data or 80 minutes of music (depending on type of disc used), but as always with audio, if you can possibly find and use the old 650MB (74 minute) media then do, as hi-fi CD players seem to read them better.

It features Sony's new Power-Burn CD recording management system, claimed to take the worry out of CD burning by eliminating buffer underrun and optimising the

burn to the brand and speed of CD-R/RW disc used. Both these features have been seen elsewhere - Yamaha (among others) has had variable power lasers which configure themselves to individual discs for a while, whereas the famous BURN-Proof buffer underrun protection system was originally pioneered by Sanyo. Sony's Power Burn simply combines these two established good ideas - in the company's defence though, it did invent CD-ROM technology in the first place!

The package is comprehensive, as you'd expect from the old days of the 'Spressa' drives a couple of years back - there are blank CD-R and CD-RW discs, connection cables, mounting screws and excellent manuals. It also comes complete with a generous suite of software tools to help you manage and edit digital pictures and video, listen to your favourite digital music, record your own original music, and even back up your PC. To wit, the Windows version comes with B's Recorder Gold (audio and video CD production and burning), B's Clip (drag and drop copying direct to CD), MusicMatch Jukebox (audio player/recorder), Retrospect Express Back-up, ArcSoft PhotoBase, ArcSoft VideoImpression (video CD creation) and ArcSoft PhotoStudio (electronic photo album management). Sony claims compatibility with Microsoft Windows



98SE/2000, Windows Millennium Edition, and (soon) Windows XP operating systems. There's also a Mac version with a slightly different software bundle.

Fitting is a breeze thanks to the excellent manuals, and the drive just connects up to a standard ATAPI (also known as E-IDE) interface on your PC's motherboard.

I spent several days burning data discs at 24x speed without so much as a glitch from the Sony, thanks to the excellent buffer underrun protection. Audio CDs were burned at slower speeds, (4x and 8x) and produced equally impressive results. As always with top notch burners, the sound quality difference between source and copy was almost smaller than between the different brands of media used. Suffice to say, there was just the very slightest softening of bass transients and the most gentle clouding of the mid-band and treble. In truth, this is almost overstating the case - how we would have yearned for 99.5% perfect copies back in the days of cassette!

Another great piece of kit from Sony then - recommended without hesitation - but if you wait a little while you're bound to be able to buy cheaper. Solid gold, easy action! ■ ▲

TECH SPECS

CD-RW write speeds: 4x, 8x, 10x
 CD-R write speeds: 4x, 8x, 16x, 24x
 CD read speeds: 40x max
 Interface: ATAPI EIDE
 Access time: 110 ms (avg. including latency)
 Anti-buffer underrun: Power Burn
 Buffer: 2 MB
 Data Transfer Rate: 6,000 kB/S Mode 1 (40X read max.)

World Verdict



Uniformly high standards make it an essential recommendation, despite its premium price tag.

THE FINAL CUT?

Steinberg's Clean is now in its 3rd incarnation - David Price tries out the latest and greatest edition of this classic audio restoration package.

It was back in 1999 that Computer Audio World reviewed the first incarnation of Steinberg Clean! Since then it has lost its exclamation mark and gained two revisions, the latest of which - version 3.0 - is tested here.

The basic package costs just £24.99, but since v2.0 it has been offered in an optional 'plus' version complete with a clever self-powered USB phono preamp, for £69.99. A small, standalone MM phono preamplifier complete with built-in analogue to digital converters, it means you don't have to move your entire hi-fi to your computer (or vice versa) for recording. Rather, you can simply place your turntable next to your PC, and plug it in into the Steinberg preamp that's connected direct to your PC.

For those unfamiliar with the original, Clean is an 'audio restoration' tool that lets you record your distressed LPs onto your computer's hard drive, process them and then burn them to CD-R using your CD-write. The package isn't designed just for vinyl though - because Clean also works its magic on old cassette and open reel tapes, and even iffy-sounding MP3 music files downloaded from the internet.

The latest version 3.0 of Clean sports an 'IntelliAssistant', a cumbersome name for a 'wizard' that makes the process of cleaning your recordings surprisingly easy. The first thing you need to do is transfer the music to your computer. This is done via the bundled Steinberg WaveLab Lite 2.0 software, which is a high quality, purpose-designed sound recording program.

To record vinyl, you need to take a feed from your phono stage line outputs to your soundcard's 'Line In' socket.

Alternatively, you can use the

supplied USB preamp, which installs simply. The joy of this is its simplicity - but those with iffy PC soundcards or notebook computers with no audio line inputs will also love it. Its built in analogue-to-digital converters are surprisingly good (equivalent, say, to a decent MD recorder), making for respectable results. True, an offboard ADC going into a soundcard's direct digital input will give better results, but will cost £300 more!

With the Clean software installed and all other applications closed, go to WaveLab's FILE menu, click on NEW and hit the red RECORD button. The program duly displays its level meters, letting you set the recording levels manually using the MIXER button. You then click on RECORD again, cue up your turntable and go. When the recording's over, you can cut out the lead-in and run-out clicks, and slice it up song by song using the editing tools.

Although Clean! is the main audio restoration program, WaveLab is actually a pretty sharp tool for tidying things up. Go into the PROCESS menu and you can NORMALIZE (if you've under recorded slightly this will bring the loudest parts up to 0dB), CHANGE GAIN (bring levels up or down), FADE IN, FADE OUT, CROSSFADE, DYNAMICS PROCESS (which compresses your recording to make it sound punchier) and EQUALIZE your recording.

Once you've got the recording bit done, you can run through Clean's own digital signal processing effects. There's DECLICKER (to remove clicks and static discharge), DECRACKLER (to remove scratches and crackles) and DENOISER (to remove unwanted surface noise or tape hiss). Then there's BASS BOOST, STEREO SPREAD and BRILLIANCE controls, all of which are individually adjustable. You now also get TUBESIM-

ULATION for a warm, 'valve' sound), plus ROOM and CARSIMULATION (which re-processes the sound to match particular acoustic environment).

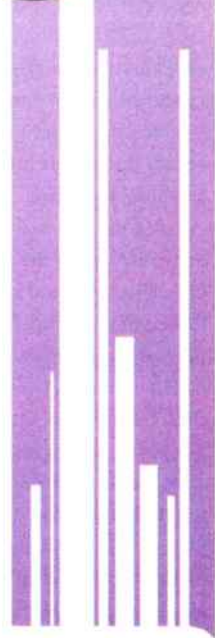
Finally, VST INTERFACE lets you use Cubasis VST effects plugs-in (downloadable from the internet) for even more powerful sound shaping, should you require it.

Clean 3.0 works superbly - if used sparingly. Simply cranking all the effects up to maximum will make any music sound like it was recorded in a bathroom through a rack of old rock guitar effects pedals. If you go easy and take some time to get it right, however, you'll be amazed at the music's new found clarity and lustre. Settings suitably attuned, as you go through processing each track, the program builds up a playlist for you automatically. When you're done, you can click on the CD-R/CREATE CD-R menu and watch Clean even burn the CD for you.

A brilliant package then, but there's a caveat - the more effects you run, the more your PC will struggle. If you exceed your machine's processing ability, it will start skipping like a scratched record. I found my 750MHz Pentium III with 128MB RAM could just about handle it, but anything less simply isn't enough - for heavy duty work you need a beefy PC. ■ ▲

Steinberg Clean 3.0 Plus £69.99

Steinberg Media Technologies AG
01256 70 77 67
www.steinberg.net



World Verdict
£★★★★

A superb package including top software and an inspired little phono preamp. Brilliant value, but you'll need a powerful PC for it to give of its best.

welcome to

world favourites

Here's a list of products that are a good buy. We've tried to cater for a range of tastes, identifying strong products in every area. We're agnostic so you'll find a wide range of products, from valve pre-amps through to MiniDisc players. Products marked * are recently out of production but make a good second-hand buy.

Prices shown are those at the time of the review



Roksan Caspian CD player
Solid as a ROK

COMPACT DISC

ARCAM FMJ CD23 £1100
This British-built player is extremely versatile. Controlled and detailed with a musical insight that few match. (Jul 2000)

CAMBRIDGE CD4SE* £200
A touch soft in the treble but outstanding in every other respect. (Feb 98)

KENWOOD DP-3080/II* £180
Has great clarity and presence for the price. Not as naturally expressive as the CD4SE though. (Feb 98)

LINN KARIK III* £1775
Under rated and overlooked, the final Karik was a gem. Superb transport gives a brilliantly tight, grippy dynamic sound, albeit tonally rather dry.

MARANTZ CD-17 KI-S £1100
The Marantz excels in all areas. Without doubt this is one of the most involving CD players on the planet. Build quality is also exemplary. (Sep 97)

MARANTZ CD-63 MKII KI-S* £400
Similar to the CD-63SE but more powerful bass and an all-round smoother sound. The famous KI tweaks pay off again. Whether or not it is still pre-eminent against the vastly improved competition is a matter of opinion.

MERIDIAN 506 20-BIT* £1100
Very detailed and revealing player. More cerebral than visceral sounding, however. (May 95)

MUSICAL FIDELITY X-RAY £800
Commonsense sturdy CD player of exceptional ability. Clear and detailed with high quality internal processing system. The X-Ray is inclined to show up poor recordings, but it's only doing its job! (Feb 99)

NAD S500 £1000
This dynamic top of the range Silverline spinner delights with any type of music. Exciting, sophisticated sounding and highly recommended. (Jun 2000)

ROKSAN CASPIAN £895
The Caspian has a smooth, slightly bright sound with some of the clearest treble in the business. Very engaging, dynamic character. (Aug 97)

ROTEL RCD 951 £300
HDCC capability at a midrange price. Plain Jane looks but solid construction. There is some higher than average measured distortion which may take the edge off this otherwise tempting product. (Aug 99)

COMPACT DISC TRANSPORTS

SONIC FRONTIERS TRANSPORT £6999
Cutting-edge design and technology combine to make this one very desirable product. The only problem is the fantasy hi-fi price. (Sep 98)

TEAC P-30 £2500
Cheap it isn't, but then it sounds like a million digital dollars. Nothing short of superb. (Jun 97)

TEAC VRDS-T1 £600
Excellent mid-price silver disc spinner with a powerful, expansive and warm sound. Easily beats most sub-£1000 designs. A good choice for the budget conscious who want the best. (Feb 95)

DACS

CAMBRIDGE AUDIO DACMAGIC 3* £99
Superb value for money with extensive facilities and solid, detailed sonics. Upgrades any sub-£300 player.

DCS ELGAR £8500
Future-proof convertor which will handle 24/96 and 24/192. Extremely open and natural performer. (Nov 97)

DPA LITTLE BIT 3* £299
A taste of the high end on a budget. Rich, clean, punchy sound transforms budget CD players.

MIDIMAN FLYING COW £299
Excellent as a DAC and doubles as an ADC for archiving to CDR. (Jun 98) Great value, as is junior version Flying Calf at £109. (Feb 99)

MUSICAL FIDELITY X-DAC* £300
A bargain for normal CDs and even better with HDCDs. (Nov 97)

SONIC FRONTIERS PROCESSOR 3 £6999
Quality never comes cheap! This DAC oozes class and when matched with the Transport 3 is certainly up with the best. (Sep 98)

TURNTABLES

LINN SONDEK LP12 BASIK £1100
Off the pace these days in many respects but still an extremely sweet and engaging listen with a quintessentially analogue sound.

MICHELL GYRODEC SE £775
Exquisitely built, infinitely upgradeable deck that gives true high end sound at mid-fi prices.

MICHELL ORBE £2000
Fantastically capable all rounder with commanding, powerful, detailed sound that gets the best from almost any arm and cartridge. Supreme build, brilliant value. (Apr 95)

ORIGIN LIVE STANDARD (KIT) £145
Good in standard form with AC motor; frighteningly good with a DC motor and battery PSU.

PINK TRIANGLE TARANTELLA £680
Not only does the Tarantella have more style than a catwalk full of models, it also combines PT's usual clarity with real authority. (Oct 97)

PRO-JECT DEBUT £110
Straight out of the box and onto the shelf! Nothing short of a bargain. Vinyl's never had it so good, so cheaply!

REGA PLANAR 2 £214
Brilliant starter deck with extremely polished manner. Better built £274 Planar 3 is a great all-in-one package that eats mid-price CD players for breakfast.

ROKSAN XERXES X £1295
DSU or XPS 3.5 power supply £150/170 extra. Excellent pitch stability from a new Swiss motor and outboard power supply. Very tight bass, fine dynamics and revealing clarity. (Jan 97)

SYSTEMDEK IIX900*/RB250 £330
A fine all-rounder and easy to upgrade too. More depth and breadth than Rega Planar 3. (Sep 94)

VESTAX BDT-2000 £225
A stylish looking deck with infinitely variable speed 16-90 rpm, DC belt drive and built-in MM phono stage. Good value, with plenty of chassis room for alternative arms, if required. (Sep 99)

TONEARMS

HADCOCK 242 SE £649
Latest of a long line of unipivot arms. Added mass makes the 242 suitable for both low compliance MCs and straw-in-the-wind high compliance types. Revised geometry and chromium plating completes a first-class job. (Jun 2000)

NAIM ARO* £975
Truly endearing and charismatic performer - wonderfully engaging mid-band makes up for softened frequency extremes

REGA RB300 £180
Some may prefer the simpler RB250 at £130. Detailed, tight, rhythmic sound but tonally rather grey and cold-sounding. Still excellent value, though.

WHICH ONE

The Fabulous new Lumley *Lompros* loudspeakers and *Metropolis* amplifiers range are now in stock. Are these the best yet?



All of these products are examples of some of the very best Hi-Fi currently available. If you want to know which is the very best product for you there is only one way to find a total solution.

CALL US FOR THE ANSWER



Sounds Of Music
10-12 Chapel Place
Tunbridge Wells, Kent
TN1 1YQ

Tel: 01892 539245
Fax: 01892 616383

www.sounds-of-music.co.uk

Acoustic Zen, Avantgarde, Argento, Audio Synthesis, Advantage, Audio Physics, Apollo, Aloia, Audio Note, Audio Research, Audio Analogue, Anthem, A.V.I., A.T.C., Acoustic Energy, Atacoma, Base, Balanced Audio Technologies, Beyerdynamic, Boulder, Bow, Bose, Burmester, Cabasse, Carfrae Horns, Covertgent Audio Technology, Chord, Copland, Cable Talk, Celestion, Copulare, Clear Audio, Clearlight Audio, Dunlavy, Echo-Busters, Eggleston Works, Electrocompanion, Gamut, Graham, Goertz, Goldring, Grada, Halcro, Harbeth, Hovland, Jomo, JM Labs, Kharma, Koetsu, Krell, KEF, Klipsch, Lumley, Lyra, L.A.T., Lovardin, Meadowlark, Magnum Dynalab, Marantz, Martin Logan, Mitchell, Neat, Nordost, Opero, Optimum, Ortofon, Orchid, Parasound, Plinius, Project, Passlabs, Pro-ac, Piega, Pink Triangle, Primare, QED, Quad, Rel, SME, Shure, Sennheiser, Sonic Link, Soundstyle, Sound Organisation, Sumiko, Straight Wire, Sonus-Faber, Stands Unique, Target, Trilogy, Teac, Theto, Tannoy, Totem, Talk Electronics, Townshend, Transparent, Transfiguration, Triangle, Unison Research, Von Den Hull, Wisdom, Wilson, Wadio, XLO, YBA.

Prices shown are those at the time of the review



Musical Fidelity X-Cans2
Warm, sumptuous, sweet sound

MUSIC MAKER £575
When mated with a good quality arm, this hand finished high-output pick-up gives an ear-boggling account of itself. Very high compliance ensures maximum information retrieval. An absolute (grain orientated) gem. (Feb 99)

ORTOFON MC 7500 £2000
Conclusive proof that there's hope for the world. It's a long time ago now but this high-priced favourite still earns its niche - CD lovers would die if they heard it. (May 94)

ORTOFON MC 15 SUPER II £140
Not quite as good as the dearer Supremes but the Super II is a splendid introduction to the joys of moving-coil cartridges.

GOLDRING 1042 £130
One of the best Moving Magnet cartridges going, with beautiful treble and muscular bass. New low price makes it a bargain.

ORTOFON ROHMANN £1000
In a way it's MC 2000 meets MC 7500 with great tonal strengths and a dynamo sound. (Apr 96)

INTEGRATED AMPLIFIERS

AUDIO ANALOGUE PUCCINI SE £595
This superbly-built Italian integrated has a lucidity and control which leaves others nowhere. Sound stage a wow. (Dec 97)

AUDIOLAB 8000a * £495
Well rounded integrated with smooth and detailed sound plus a huge feature count. Great build makes later versions a top used buy.

DENON PMA-250SE £160
It might not have bags of grunt but the Denon can sound exceedingly natural and open. (Feb 97)

McINTOSH MA6800* £3735
The MA6800 not so much plays music as takes control of it, with effortless bass drive. (Sep 95)

MISSION CYRUS 2 * £299
Classic eighties minimalism combines arresting styling with clean, open, lively sound. Further upgradable with PSX power supply.

MUSICAL FIDELITY X-CANS2 £160
Warm, sumptuous, sweet sound h/phone amp. gives startling results with a decent set of headphones.

NAIM NAIT 3 * £575
Superb rhythms and dynamics make for great music making, but tonally monochromatic. Super optional phono stage makes it ideal for vinyl junkies.

ROKSAN CASPIAN £695
Smooth, warm integrated with remote control that works happily into most 'speakers. (Dec 97)

SONNETEER ALABASTER £995
Builds on the strengths of the Campion with ample control, colour and drive. (Oct 97)

PHONO STAGES

CREEK OBH-8 SE £180
Punchy, rhythmic character with oodles of detail makes this a great budget audiophile product.

LFD MISTRAL PHONO STAGE * £300
The Mistral has a warmth and involvement that make many pricier stages sound overpriced.

MICHELL DELPHINI MONOBLOCS £1995
Analogue tour-de-force gives supremely clean, detailed and finely resolved sound with breathtaking dynamics. Great value, even at this price.

MUSICAL FIDELITY X-LP £125
One of the famous MF X series. Full marks throughout for clarity and detail. Switchable between MM and MC. Indestructible build! (May 99)

PRO-JECT PHONO BOX £39
Not the last word in many respects but a thoroughly honest piece of work. Inexpensive introduction to all that vinyl has to offer. MM and MC provision plus choice of two impedances.

ROKSAN ARTAXERXES X £950
With the Atessa PSU the Artaxerxes X MM/MC stage still shines. Great stage depth, neutrality and tonal colour. (Oct 97)

SME 3009SII £309
Once state of the art, but no longer. Weak at frequency extremes and detail, but its legendary serviceability makes it a cult in Japan. Can be picked up for peanuts second-hand. (Jan 93)

SME 309 £689
A down-market version of the IV and V with aluminium armtube and detachable headshell. Tight, neutral sound with good tonality, but lacks the IV's pace and precision. Like the older SME 3009 series, this arm is also available in 10" and 12" versions. (Jan 93)

CARTRIDGES

AUDIO TECHNICA AT-110E £30
Great starter cartridge that's refined, detailed and musical beyond its price. Best value MM under £50

GOLDRING 1012GX £74
An accomplished MM with a solid bass, slightly forward midband and clean transients. Very reasonable price for such an able performer. (Jul 93)

DNM MICA £185
Better than Goldring's 1042 and costs only £135 on trade-in. An assured and transparent MM. (Feb 98)

DYNAVECTOR DV20X-H £299
The best modern budget MC combines deliciously sweet sound with fantastic get-up-and-go. High output version works a treat with valve phono stages too.

Billy Vee
SOUND • SYSTEMS

248 Lee High Rd, London SE13 5PL (Mon - Sat 10am to 6.30pm Closed Thurs & Sun)

NOT ONLY A CLASSIK BUT MUCH MORE

Call 020 8318 5755 or 8852 1321 now!

Save over £300 on this Linn/Celestion System

This is just one of the fabulous systems available during our Autumn promotion. The offer may be limited in quantity but you can be sure that any product or system we stock is available for audition and backed by experienced staff who work to fulfill the Billy Vee pledge - to give the ultimate in musical satisfaction

- Free delivery (U.K. Mainland) & local installation included
- Five year parts and two year labour warranty on this system
- Deferred & Interest Free Credit available 0% APR - Call for details.
- Arcam, B&W, Linn, Naim, Rega, TAG & more available for audition

Complete with speaker leads just plug & play only.



£1290

Individually, Linn Classik - any colour £995. Celestion Compact A £599

world favourites

SONNETER SEDLEY £399
Combines transparency and fine dynamics with excellent rhythmic ability. (May 98)

PRE-AMPLIFIERS

AMC 1100 £150
Suffers from un-defeatable tone controls but an extremely good value piece of kit. Partners the similarly budget level AMC 2200 power amplifier, also at £150. Comfortable beginners' choice. (Mar 99)

AUDIO ANALOGUE BELLINI £475
Showcases AA's characteristic mix of clarity and musicality and blasts the competition. (Apr 98)

CHORD CPA1800 £1800
Clarity, insight and control are second to none - an addictive mixture. (Mar 98)

CROFT VITALE £350
A modestly priced valve pre-amp with exceptionally transparent performance. MM phono stage plus three line stages are standard. Volume controls are separate for each channel, thus giving balance adjustment. A remarkable item in all respects. (Feb 2000)

XTC PRE-1 * £1000
Almost valve-like in its smoothness, the line-level Pre-1 is warm and seductively clear. (Nov 96)

POWER AMPLIFIERS

ARCAM 9 * £400
With 70W on tap, the 9P will drive most loudspeakers with a spacious and detailed sound. Good bass welly too. (Dec 96)

CHORD SPM400 £1400
There's a sense of effortless power to the Chord that gives music real scale and presence. (Mar 98)

MARANTZ MODEL 9 * £8000
Authentic reproduction monoblocs still more than cut the sonic mustard. Highly expensive and highly sought after. (Mar 97)

MICHELL ALECTO £1989
Crisp, clean and beautifully controlled with gorgeous styling. Partnered with the £1650 Orca this is a superb winning combo. (Oct 98)

MUSICAL FIDELITY X-A200£1000/pair
200W of high-end monobloc power in a grooved tube. (Aug 98)

NAIM NAPI80 £1060
Partnered with a NAC82, this has classic Naim control, and a superbly rhythmic presentation.

TUNERS

CAMBRIDGET500 £180
An extremely engaging tuner with a performance at odds with its low price. Not exactly a Troughline, but you may not notice... (Feb 99)

CREEK T43 £399
Excellent detail, separation and dynamics. A great little tuner and unbeatable at this price. (May 98)

MARANTZ ST17 £600
A positive dreadnought of a tuner. Sweet and refined but with a heavy punch when needed. A tuner of this quality demands a decent aerial. (Jul 99)

MISSION CYRUS FM7* £300
Clear and lucid sound puts it up with the best. Superb build too. (Apr 94)

NAIM NAT03 £595
The NAT03's warm, atmospheric sound is further proof of Naim's proficiency with tuners. (Sep 93)

SONY ST-SA3ES* £250
Beguiling RDS tuner for the sonically discerning. Good ergonomics and sensitive too. (Apr 97)

CASSETTE DECKS

AIWA AD-S750* £200
Sonically a very decent machine at the price. Comes fitted with Dolby B, C and the dead handy Dolby S. (Apr 96)

AIWA AD-S950* £300
A stable transport, superb head and Dolby S make the AD-S950 an excellent all-rounder. (Feb 95)

KENWOOD KX-3080* £160
A simple deck, but excellent-quality head and transport give top quality sound. (Oct 96)

PIONEER CT-S740S £430
A great piece of engineering from Pioneer, with first-rate sound. (Jun 96)

YAMAHA KX-580SE* £250
The 'SE' tag is more than a marketing gimmick. Sound is solid and clear with Dolby S. (Sep 97)

LOUDSPEAKERS

CASTLE EDEN £469
Impressively vice-free 'speakers that offer great transparency and involvement. One of a select band that simply makes music regardless. (Mar 97)

EPOS ES12 * £495
Strong, punchy bass is allied to finely detailed, articulate midrange and sparkling treble. (Oct 96)



Kef Cresta I loudspeakers
A very musical sound

KEF CRESTA I £100
Delightfully sophisticated presentation for the price. Won't blow the roof off, but will deliver a very musical sound. (April 2000)

KLIPSCH HERESY II £1100
An outstanding high sensitivity loudspeaker with midrange and treble horns coupled with infinite baffle 12" bass driver. Effortless, fast and accurate. (May 99)

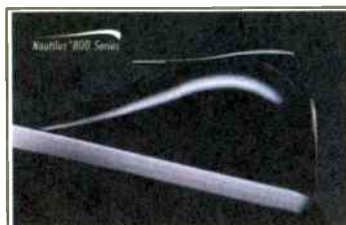
MISSION 752 * £495
Cracking mid-price mini towers combined HDA drive units and metal dome tweeters with surprisingly warm results. Benign load characteristics makes them great for valves.

MISSION 771 £170
Characteristically fast, punchy Mission sound from the Aerogel mid/bass and silk-dome tweeter. (Jul 98)

Billy Vee
SOUND SYSTEMS

248 Lee High Rd, London SE13 5PL (Mon - Sat 10am to 6.30pm Closed Thurs & Sun)
You can't touch it but you sure can feel it
You can't see it but you really can hear it
Call 020 8318 5755 & join us for true -

HI-FI PERFORMANCE



What is true hi-fi performance?

Here's a simple truth. You *can* believe what you read but you will never really know how good something is until you listen. A demonstration is worth a thousand words and our hi-fi systems all have one thing in common, we guarantee you will get more from your music! When you hear what we mean, you will never look back. Honest!



Rega
The New Brio Amplifier

QUAD ESL 63 * £3450
A reference against which all other loudspeakers are judged, the '63s have superb imaging and genuine transparency.

TANNOY AMS8 * £2700
Bold sounding pro active monitor with solid bass, clear midrange and delicious treble. (Aug 96)

TANNOY MERCURY m2 * £140
A true audiophile bargain which embarrasses many more expensive boxes. Never mind the price, let your ears decide. (May 97)

MINIDISC PLAYERS

KENWOOD DM-9090 £500
One of the best MD players yet. ATRAC 4.5 gives clean and very musical recordings from this Kenwood. (Jan 98)

SONY MDS-JB930Q £250
Great mid-price machine that adds better build and facilities to the '530's already excellent sonics.

SONY MDS-JA50ES * £1300
This Sony can put the wind up Nakamichi cassette decks when used with better blank MDs. (Apr 98)

SONY MDS-JE555ES
MiniDisc recorder £520
The best sounding MD deck made so far, thanks to awesome build and heroic ATRAC-DSP Type R coding.



Alesis Masterdisk
A glimpse of the future

SONY MDS-JE510 £300
An impressive sound and unmatched convenience make this MiniDisc player an excellent buy.

DIGITAL RECORDERS

ALESIS MASTERDISK £1400
A groundbreaking hard disc recorder with a built-in CD drive. An amazing bit of kit, and a glimpse of the future. (July 2000)

KENWOOD DMF-9020 £500
An excellent tool for home recording, combines convenience, superb sound and a fair price. (Aug 99)

MARANTZ DR-17 £1100
Probably the best sounding CD recoder on the market. Built like a brick out house with a true audiophile sound. HDCD compatible. (July 2000)

PHILIPS CDR-765 £360
One of the first twin deck recorders/players that boasts high speed dub facility. Playback could be warmer, but still a bargain. (Oct 99)

PIONEER PDR-555RW £480
Excellent mid-priced CD recoder that both plays and records with equal panache. (Oct 99)

SONY TCD-8 DATMAN * £599
Super clean and detailed sound makes this an amazing portable. Not as robust as it should be though.

DVD PLAYERS

DENON DVD-5000 £1600
Monster build, as you'd expect at this price. Facilities and gadgets galore and drop-dead high end looks. A very smooth and sophisticated sound, although not as good as similarly-priced CD players. (Mar 99)

PIONEER DV-717 £700
Well built and a solid performer, with a 'true' 24/96 digital output. Facilities in abundance and a controlled, exciting way with CD replay. Shame it lacks a Dolby Digital decoder! (Sep 99)

SONY DVP-S725 £490
One of the best buys in the DVD market. Available in a dodgy white case, but the facilities and performance more than make up for this. Excellent with both music and visuals, and a whole host of up to the minute facilities to keep you occupied. (Mar 2000)

HEADPHONES

JECKLIN FLOAT MODEL TWO £99
Wonderful panel-like and open sound from these esoteric-looking headclamps. Do not wear in public unless you like being made a fool of!

SENNHEISSER HD-490 £50
Good value cans with an exciting and bassy sound. Everything one should look for in headphones at a sensible price.



Nordost Blue Heaven
A simple and effective upgrade

INTERCONNECTS

CHORD COMPANY CHAMELEON 2 £90/m
One of our favourite favourites, the Chameleons are musical performers with a smooth yet open sound.

DNM RESON £40/m
Neutral and transparent, and a steal at forty quid!

NORDOST BLUE HEAVEN £150/m
Some of the fastest and most transparent cable around. A simple and effective upgrade.

VAN DEN HUL ULTIMATE THE FIRST £260/0.6m
Carbon interconnects that help you forget the electronics and concentrate on the music. Miraculous transparency.

LOUDSPEAKER CABLE

CHORD COMPANY RUMOUR £9.95/m
The Rumour is our reference at the price. Tight and tuneful bass mixed with air and space results in a cracking cable for the money.

DNM RESON £6.95/m
This cable has a transparency of sound that's rarely heard at the price. Excellent value for money.

NORDOST BLUE HEAVEN £375/3m pair
This isn't cheap, but it sounds absolutely fab. An open and spacious sound that simply carries music.

Billy Vee
SOUND SYSTEMS

NEW YEAR DISPLAY CLEARANCE BARGAINS

SOME AS NEW WITH 1 YR WARRANTY 24HR DEL ONLY £5. CHECK AVAILABILITY BEFORE ORDERING

CALL SALES: (020) 8318 5755 or 8852 1321 - 248 Lee High Road, London, SE13 5PL

0% APR is available on purchases of more than £660. Please call for details. * Prices Correct at 12/06/01 E&OE

Arcam CD72 CD Player NEW! (2Yr G/tee) . . . (399.00)	£349.00	Linn Keilidh Blk S/H (1Yr G/tee) (775.00)	£395.00
Arcam CD92 CD Player NEW! (2Yr G/tee) . . . (849.00)	£499.00	Linn Ninka Speakers (2Yr G/tee) (945.00)	£695.00
Arcam A75 Amplifier NEW! (2Yr G/tee) (379.00)	£265.00	Linn Kaber Speakers Passive S/H (1800.00)	£790.00
Arcam A75 Amplifier NEW! (2Yr G/tee) (450.00)	£299.00	Marantz DV4100 DVD Player (1Yr G/tee) . . . (399.00)	£249.00
Arcam Alpha10 Amplifier NEW! (2Yr G/tee) . (799.00)	£399.00	Marantz DV7000 DVD Player (1Yr G/tee) . . (599.00)	£399.00
Arcam Alpha 10DAB Tuner NEW! (799.00)	£399.00	Marantz SR5000 AV Receiver (1Yr G/tee) . . (499.00)	£325.00
Arcam Alpha 10/10pDave (AV Amp) S/H . (2500.00)	£1495.00	Nakamichi Soundspace 3 System (449.00)	£295.00
KEF Q35.2 Speakers (350.00)	£249.00	Naim NAC72 Preamp (1Yr G/tee) (760.00)	£449.00
Linn Karik/2 CD Player S/H (1498.00)	£650.00	Naim SBL Passive Speakers S/H (1Yr G/tee) (2500.00)	£1099.00
Linn 5105 Power Amplifier (2Yr G/tee) . . . (1200.00)	£600.00	Naim Intro Spkrs - Beech (1Yr /Gtee) (790.00)	£590.00
Linn 5150 Subwoofer-Cherry (2Yr G/tee) . . . (2999.00)	£1995.00	Rega Jura Speakers (2Yr G/tee) (498.00)	£329.00
Linn Kairn Line Preamp (1Yr G/tee) (1400.00)	£799.00	Rega Brio Amplifier (2Yr G/tee) (298.00)	£229.00
Linn LP12/Lingo/Akito S/H (1Yr G/tee) . . . (2250.00)	£1250.00	Vision 42" Plasma Screen (1Yr G/tee) . . . (5300.00)	£2795.00

welcome to world classics

CASSETTE

NAKAMICHI DR-2

A great machine with Nakamichi's legendary heads. The lowest cost 'true' Nakamichi at the time, retailing for £600.

NAKAMICHI CR-7

The last of the great ones, and definitely the best Nakamichi ever (yes, better than a Dragon)

YAMAHA TC-800G

Early classic in serious cassette. Its ski-slope looks got it a cult following once it had ceased to be simply ugly.

CD PLAYERS

MERIDIAN 207

Beautifully-built two-box with pre-amp stage. Very musical although not as refined as modern Bitstream gear. No digital output.

PIONEER PD-91

Built-to-last player with easy upgrade routes for modifiers. Not knock-out as it stands but get one cheap and have a go!

CAMBRIDGE CD1

The first two box player with weighted mechanics and even an optional Dropout/error counter. Radical and effective at the time - a classic.

AMPLIFIERS

LEAK POINT ONE, TL12 & TL10

Ancestors of hi-fi, consequently expensive nowadays. As with all vintage valve stuff, overhauling is de rigueur before use, using original parts if possible.

LEAK PRE-AMPS

Line of 'good for their time' pre-amps. Use of EF86 pentode valve for high gain rules out ultra performance. Not the highest-fi.

LEAK STEREO 20

Excellent workaday classic valve amp. In good order the 20 will not disgrace itself. Various upgrades are available from specialist repairers.

LEAK TL12+

Plentiful monobloc equivalent of Stereo 20. Reasonably inexpensive and a tweakers' dream. Genuine valve hi-fi on a budget.

NAD 3020

You can't argue with success! NAD's budget transistor integrated gave thousands their first taste of hi-fi and remains great value.

QUAD 33/303 PRE/POWER

Great style and construction, also bullet proof. Warm and wooly sound, but easy going. A good introduction to early transistor audio classics.



Garrard 401
A legendary turntable.

QUAD 22/II PRE/POWER

One of the all-time classic valve amplifiers. Unusual circuit but it works beautifully. 22 pre-amp not up to today's standards.

SUGDEN A21

Seventies transistor integrated has an eminently likeable smoothness and musicality. Limited inputs via DIN sockets.

TECHNICS SE-A5 Mk2

Nice transformer and electronics, shame about the casework. With tweaking, this 150wattner can sound sweet.

LOUDSPEAKERS

KLIPSCHORN

Not exactly plentiful or cheap but a splendid beast. For efficiency they have seldom been equalled. Space hungry!

AUDIO ILLUSION

23 Langley Broom
Langley, Berkshire SL3 8NB
(2 mins. Junc. 5 off the M4)
TEL: (01753) 542761 FAX: (01753) 772532
www.audioillusion.co.uk
mailto: audioillusion@btinternet.com

Two completely different ways to achieve the ultimate goal -

PERFECT SOUND

Whether it be Home Cinema or Audio - there should be no compromise -



Each System winners of an

PIEGA
OF SWITZERLAND

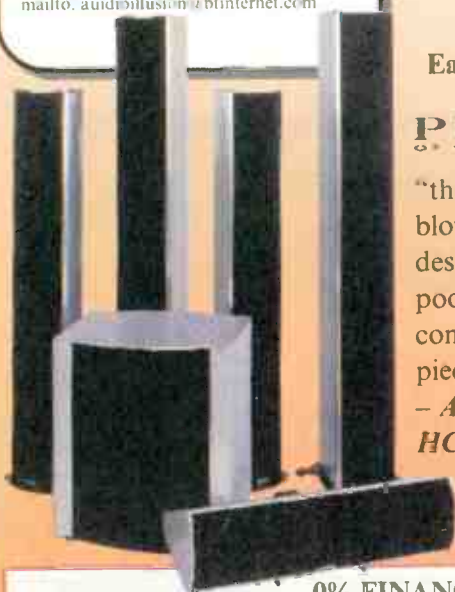
"these speakers blow that 'posh design equals poor sound' concept to pieces"

- Adam Rayner
HCC

AERIAL
ACOUSTICS

"this is a Home Theatre experience of the highest order"

- Stuart Robinson
HCC



0% FINANCE (subject to status) with up to 3 years to pay.

For further information and your local dealer please contact AUDIO ILLUSION

LEAK SANDWICH

Rather warm sounding big infinite baffle but cheap with it. With a reasonably powerful amp can sound quite satisfying.

LOWTHER PM6A

High quality full-range driver; still manufactured. High sensitivity, as fitted to many classic horn designs.

MAGNEPLANAR SMGa

Touch dry in the bass but a technological loudspeaker with genuinely musical abilities.

MISSION 770

Father of the 77 range which continues to this day. Well mannered with a warm sound and a kind load to amplifiers.

QUAD ESL57

Unrivalled. Properly serviced there is nothing like them. Their natural presentation may make them caviar to the general.

YAMAHA NS1000M

Hi-tech favourites of the Japanese and Americans. Viewed more warily in the UK but can give excellent results.

TANNOY GRF & AUTOGRAPH

Folded horn monsters which certainly sound good if you have the space. For Tannoy vintage see HFV November 1998.

WHARFEDALE SUPER 8 RS DD

Ideal experimenters' driver. High sensitivity ~14,000 Gauss magnet and extended frequency range. Inexpensive too!

TANNOY YORK, LANCASTER

Many similar models of infinite baffle or reflex design. Not the last word in tightness but the drivers work well in modern cabinets.

VINYL

ACOS LUSTRE

Very honest piece of kit, well made and easily adjusted. Vinyl beginners could do very much worse.

ALPHASON HRI00S

First class arm, up to present-day standards. Buy carefully, though, as there's no service available now.

ARISTON RD11

A one-time king of turntables very similar to the Linn LP12. Now deposed but worth a look at the right price.

LINN AXIS

Uncomplicated, lower-price version of the famous Sondek. Less expensive than some of its stablemates.

GARRARD 301 & 401

Legendary turntables, once fairly plentiful. Excellent back-up available; many different custom plinths available. High quality.

GOLDRING Lenco 88 & 99

Great deck for the kitchen table enthusiast. Garrard fans won't look at 'em but cheap and capable. Servicing available.

HADCOCK 228

Recently out-classed by Hadcock's updated 228 Special Edition but a proper hi-fi arm for all that. Makers still service.

MICHELL FOCUS ONE

20 years and still going strong. Early runner in the 'modern' turntable cycle with a first class arm. Factory servicing available.

SHURE M75

Recent line-contact improvements have left the M75 behind but the wide range of needles make it a handy tool.

SME 3009 IIS

Everlasting classic tone-arm. Spares permanently available from SME. No longer the last word but peanuts second-hand.

THORENS TD124

Best classic deck ever? Judging by the prices they fetch it's possible - 78rpm too!

THORENS TD150

Mid-price deck with a keen following. No real difficulty with servicing - novices may find the suspension system unnerving.

TRIO L-07D

Knockout heavyweight from 1980 with stainless bearing and 11lb platter! Not a give-away and beware! - spares scarce.

TUNERS

LEAK TROUGHLINE (ORIGINAL)

Interesting ornament but no longer hi-fi. Limited coverage of 88MHz to 100MHz only.

LEAK TROUGHLINE II & III MONO

Arguably the best-sounding tuners ever. Adaptation for stereo easy via phono multiplex socket.

LEAK TROUGHLINE III STEREO

Excellent tuner with indifferent stereo decoding circuit. Best when adapted to use modern outboard decoder.

MARANTZ ST-8

Possibly the ultimate Tardis console, including an oscilloscope for checking the strength of signal. Expensive even now.



Leak Troughline II Mono
Arguably the best sounding tuner ever

Distributed by
Henley Designs Ltd

Unit 10 Moorbrook, Southmead Industrial Park, Diddcot, Oxon, OX11 7HR.
Tel: 01235 511166 E-mail: henley.designs@virgin.net
WWW.henleydesigns.co.uk

MANTRA AUDIO
Specialist Suppliers of Audio Accessories
www.mantra-audio.co.uk

CARTRIDGE SELECTION	STYLUS	REPLACEMENT STYLUS
Goldring 1006 £74 £51 GEX £51 1012 GX £93 £65 GEX £65 1022 GX £122 £84 GEX £84 1042 £140 £98 GEX £98 Eroica LX/H £123 £93 GEX Elite £232 £163 GEX		Swiss Quality Diamond Styli ADC XLM Mk III £15.00 Akai AN 5, AN 60 £11.00 AN2, AN 70 £13.00 Dual DN 145 E, DN 185 E £15.00 Goldring G800 Super E £15.00 JVC DT 55, DT 60 £11.00 National EPS 24 CS, P 30 D, P 33 D £11.00 Ortofon FF 15 E II, VM5 20 E II, OM 20 £13.00 Pioneer PN 210, PN 220, PN 240 £11.00 Shure N 75 C, SC 35 C £11.00 N 75 ED T2, N 75 EJ T2 £13.00 N 95 ED, N 95 EJ, N 75 3 (78) £15.00 VN 35 E £18.00 N 95 HE, N 97 HE, VN 35 HE £25 Sony ND 142 G, ND 150 G, ND 155 G £11.00 CN234 £13.00
GEX - Exchange price for a Goldring Any make/model of cartridge accepted		
Audio Technica AT 95 E £23 £15 AT 110 E £28 £16 AT OC 9 ML £330 £280 EX		
Denon DL 110 £79 £62 EX DL 160 £95 £74 EX		
Grado Prestige Black £46 £25 Prestige Gold £140 £78		
Ortofon 510 Mk II £34 £22 MC 15 Super II £130 £110 EX MC 25 FL £227 £193 EX MC 10 Supreme £304 £258 EX MC 20 Supreme £382 £323 EX MC 30 Supreme £452 £385 EX Kontrapunkt B £643 £548 EX Rohmann £837 £742 EX		
Shure SC 35 C £35 £27 V 15 V XMR £298 £199		
EX - Exchange price against any Audio Technica, Denon, Goldring or Ortofon moving coil type cartridges		
HEADPHONE SELECTION		
GRADO Prestige Series SR-60 £77 SR-80 £93 SR-125 £139 SR-225 £186 SR-325 £279 Reference Series RS-1 £609 RS-2 (new) £439		
All items guaranteed authentic new originals see our website for full selection of accessories order direct from our secure online catalogue		
MAIL ORDER (1-10 DAYS) PRICES (INC P&P) - INSURANCE FOR UK DELIVERY - £5 - FOR EUROPE DELIVERY & £12 FOR US WORLDWIDE DELIVERY TO COVER INSURANCE. UN ORDERS OVER £30 VALUE		
Tel/Fax (01757) 288652 e-mail: enquiry@mantra-audio.co.uk		
MANTRA AUDIO (HFV) 22 GARTH AVENUE, NORTH DUFFIELD, SELBY, NORTH YORKS YO8 5RP		



Quarterly Sale items

	Our Price	Original Retail Price
Kenwood L1000C pre/ L1000M Power Amp	£795.00	£2,500.00
Pioneer A300 Int	£90.00	£180.00
Exposure VII pre + XII psu	£595.00	£1,200.00
Cyrus Dac Master & Cyrus Disc Master	£695.00	£1,798.00
Harmon Kardon AVPI	£175.00	£ -
Pioneer CLD 2850 Lazerdisc	£175.00	£ -
Cary 572 se Monoblocks	£1,495.00	£2,350.00
Counterpoint SA12	£595.00	£1,400.00

New this month

POWER AMPLIFIERS

Krell 3001 Integrated	£1,795.00	£2,550.00
Audio Research M300 Monoblocks	£4,995.00	£12,000.00
Naim Nap 90	£295.00	£650.00

PRE AMPLIFIERS

Mark Levinson 380 S	£4,250.00	£6,900.00
Audio Research LS3B (Black/ remote)	£1,395.00	£2,700.00
Naim Nac 72	£395.00	£750.00
Conrad Johnson Prem 7	£4995.00	£12,000.00

LOUDSPEAKERS

Proac Response 1	£695.00	£1,295.00
Audio Physic Virgo 3	£On Dem	£4,000.00

CD PLAYERS & DACS

Theta Pro Geny	£595.00	£1,295.00
YBA CD 1 Delta	£On Dem	£4,000.00
Mark Levinson No. 39	£3,995.00	£5,350.00
Audio Aero	£On Dem	£3,500.00
Audio Note Dac 2	£495.00	£700.00
Meridian 508 (24/96)	£1,195.00	£2,250.00

TURNTABLES, ANALOGUE, VARIOUS

SME 30/2	£7,495.00	£11,500.00
Pierre Lurine J1/ SL5	£1,695.00	£4,000.00
Michel Iso Phono	£250.00	£495.00
Koetsu Red	£895.00	£1,550.00
Koetsu Red K (Vdh tip)	£1,195.00	£2,250.00
Koetsu Onix Platinum Sig	£1,395.00	£2,300.00
Lemann Black Qube Phono	£225.00	£400.00
Conrad Johnson Prem 6 head amp	£295.00	£700.00

SYSTEMS

Nakamichi PA7/ CA5/ ST5	£1,395.00	£3,300.00
-------------------------	-----------	-----------

Power amplifiers

Krell MDA 300	£4,995.00	£12,000.00
Krell FPB 650 M	£11,995.00	£24,000.00
Oracle S3000 Integrated	£On Dem	£9,950.00
Bryston 7 BST Monoblocks	£2,750.00	£4,000.00
Cary SLA 70 mk II Silver	£1,295.00	£2,250.00
Linn LK 100	£345.00	£650.00
Boulder 500 AE	£2,850.00	£5,500.00
Acuphase E203 Integrated Amp	£795.00	£ -
Melos 402 Monoblocks	£4,495.00	£9,000.00
Krell FPB 300	£5,995.00	£9,990.00
Krell KAS 2 Monoblocks	£9,995.00	£20,000.00
Linn Klassik	£895.00	£1,030.00
Boulder 1060 Power	£On Dem	£16,500.00
Copland CTA 501	£895.00	£1,800.00
Cary Audio 300 SE Sig. WE300B	£3,495.00	£5,304.00
Primare 30.1 mk II Integrated	£1,350.00	£1,500.00
Copland CTA 402	£1,395.00	£1,800.00
Plinius SA100	£On Dem	£3,400.00
Krell FPB 600	£7,500.00	£12,000.00
Krell 250 A/3 3 Chanel amp	£2,995.00	£4,698.00
Audio Note P2 SE	£695.00	£1,500.00
Graff GM200	£4,750.00	£8,000.00
Cary SLA 70 mk II	£995.00	£2,250.00
Audio Refinement Complete Amp	£695.00	£895.00
Audio Research VT200 mk II	£6,995.00	£9,998.00
Audio Research Ref 600 mk II	£29,995.00	£40,000.00
YBA Passion Monoblocks	£On Dem	£8,995.00
YBA Passion Stereo	£On Dem	£5,995.00
Krell FPB 300c	£8,500.00	£9,998.00
Sunfire 300 Power Amp	£995.00	£2,400.00
Plinius 250 mk IV	£On Dem	£6,000.00
Audio Note Kasi	£12,495.00	£30,000.00
Cary 805 C Monoblocks	£On Demo	£8,250.00
Cary 300 se LX20 Monoblocks	£3,750.00	£5,250.00
John Shearn Reference Phase 3 Power Amp	£495.00	£749.00
Krell FPB 600 c	£9,995.00	£14,994.00

AV components

AV COMPONENTS

Krell HTS (AV Processor)	£4,495.00	£6,498.00
Thule PR250B DTS/ Dolby	£On Dem	£1,549.95
Thule PA250B 5 Channel Amp	£On Dem	£1,549.95
Audio Refinement Pre 5	£On Dem	£895.00
Audio Refinement Multi 5 (Power)	£On Dem	£2,250.00
Lexicon MCI	£3,500.00	£5,500.00
Lexicon MC12	£On Dem	£8,100.00

TELEVISIONS & DVD PLAYERS BY LOEWE

Loewe Xenix DVD	On Demo	£495.00
Loewe Aconda	£POA	
Loewe Planus + Std	£POA	
Loewe Xelos + Std	£POA	
Loewe L2A Active Speakers	£POA	

PLASMAS/LCD/PROJECTORS

NEC/Panasonic/Pioneer/Sharp	-	POA
Electrograph/Delphi/Selec/Sony	-	POA

Pre amplifiers

Krell KRC 2	£1,995.00	£3,400.00
CAT SLI Sig Pre Amp	£2,495.00	£5,995.00
Audio Research LS2	£1,795.00	£4,000.00
Hovland HPI100 Line Pre	£POA	£4,950.00
Audio Synthesis Passion 8M bal/ remote	£1,095.00	£1,895.00
Audible Illusions Modulus P3A mm	£1,795.00	£2,565.00

BAT VK50SE	£5,295.00	£6,500.00
Krell KSL 2 Pre	£1,750.00	£3,000.00
Cary SLP98L Remote Pre	£1,495.00	£2,794.00
BAT VK5i + remote	£2,350.00	£3,995.00
Audio Research SP9	£895.00	£ -
Cary SLP 74 pre	£695.00	£1,500.00
Boulder 1012 (pre amp/ 24.96 dac/ Phono)	£ On Dem	£13,000.00
Trilogy 901 Pre	£495.00	£995.00
Krell KSL + Phono	£1,295.00	£ -
YBA 1 Alpha Pre mm/mc + psu	£ On Dem	£4,900.00
YBA Passion Pre + mc	£On Dem	£5,595.00
Boulder 2010 Pre	£p.o.a.	£30,000.00
Plinius 16L	£On Dem	£3,200.00
C.A.T. ultimate reference Pre Amp Inc/ Phono	£ On Dem	£5,750.00
Audible Illusions P3A Pre MM/MC mk II	On Demo	£3,140.00
Mark Levinson No 28	£1,495.00	£3,400.00
Naim 42.5	£150.00	£450.00

Quality speakers

Quad ESL 63	£1,795.00	£3,000.00
Meridian DSP 6000 (24/96)	£7,200.00	£9,400.00
Sonus Faber Minima Amators	£695.00	£1,600.00
Wilson System 5.1	£8,500.00	£18,000.00
Acoustic Research LST	£495.00	£ -
Thiel 7.2	£7,995.00	£14,000.00
Wilson Benesch ACT 1	£4,495.00	£7,000.00
Infinity Kappa 9	£1,295.00	£2,100.00
ATC SCM 20 SL (Black)	£1,495.00	£2,051.00
Magneplanar 2.5R	£1,100.00	£2,500.00
Martin Logan CLS IIz	£1,995.00	£ -
Soundlab A3 Plus	£3,995.00	£12,000.00
JM Lab Utopia (Ex Dem)	£12,495.00	£16,999.00
Vienna Acoustics Mozart	£1,095.00	£1,500.00
Audio Physic Avanti	£On Dem	£7,500.00
Audio Physic Steps and Stands	£899.00	£1,300.00
Audio Plan Contrast 3	£1,395.00	£3,200.00
Proac Studio 3 Rosewood	£750.00	£ -
Avalon Ascents	£6,995.00	£12,000.00
JM Lab Micro Utopia	£On Dem	£3,899.00
JM Lab Mini Utopia	£On Dem	£4,500.00
JM Lab Mezzo Utopia	£On Dem	£7,300.00
JM Lab Electra 915.1 (ex dem)	£650.00 *	£1,895.00
Audio Physic Tempo III	£On Dem	£2,000.00
Naim SBL's	£1,295.00	£2,225.00
ClaraVox Magnifica	£6,995.00	£14,500.00
BC Acoustics Araxe	£895.00	£1,195.00
Ensemble Speakers PA1	£995.00	£2,000.00
Audio Physic Caldera	On demo	£10,000.00
Audio Physic Libra	X-demo	£4,799.00
Audio Physic Rhea Sub	£1,850.00	£3,099.00
Audio Physic Spark	On demo	£1,749.00
Audio Physic Steps	On demo	£999.00
Audio Physic Virgo	£2,395.00	£3,000.00
Rogers LS55 (new)	£330.00	£430.00

CDplayers & DACS

Oracle CD1000 Transport	£On Dem	£3,950.00
Tag Maclaren CD220R	£995.00	£1,500.00
Audio Lab 8000 DAX	£995.00	£1,600.00
Mark Levinson 30.5/ 31	£9,995.00	£24,000.00
Mark Levinson 31/35	£5,995.00	£17,000.00
Bow Wizzard & Wand	£2,795.00	£3,795.00
Oracle CD2000 Transport	£On Dem	£7,500.00
Sony CDPRII/ DAS R1	£2,995.00	£6,000.00
Audiomeca Mephisto CD Transport	£1,200.00	£2,000.00
Audio Research CD2	£2,395.00	£3,400.00
Krell KPS 25s 24/96	£14,995.00	£22,500.00
Audiomeca Kreatura Transport/ Elexir DAC	£1,495.00	£2,800.00
Micromega CD3.1/ Duo BS DAC	£1,295.00	£2,400.00
Acuphase DP70V	£1,895.00	£ -
Copland CDA 266	£995.00	£1,199.00
Acuphase 90/91	£6,999.00	£16,000.00
YBA CD Speciale	£495.00	£675.00
Audio Refinement CD Complete	£650.00	£875.00
Boulder 2020 dac	£p.o.a.	£24,000.00
Krell KPS 25sc	£18,995.00	£23,498.00
Pink Triangle Da Capo (1307) & 24 bit	£850.00	£2,000.00
Theta Data II Transport AT + link	£1,995.00	£4,000.00
YBA CD Integre	On Demo	£1,195.00

Turtables & analogue

Goldmund Reference/ T3F	£9,995.00	£30,000.00
Ortofon Kontrapunkt	£On Dem	£500.00
Michell Gyro 5E/ RB300	£On Dem	£1,100.00
Sony SA3E5 Tuner	£295.00	£ -
Elemental 4 Tier (Individual)	£1,695.00	£2,500.00
Elemental 4 Tier (Fixed)	£1,295.00	£2,000.00
Roksan Shiraz	£495.00	£1,000.00
Transparent Audio Cables Various	£ POA	£ -
Nakamichi Dragon	£1,395.00	£2,200.00
Michell Orbe/QC	£2,495.00	£3,800.00
Van den Hul Grasshopper	£POA	£4,000.00
Audio Synthesis Phono Eq mm/mc	£795.00	£ -
Voyd Valdi/ Orion	£695.00	£ -
Gryphon Phono Pre-Amp (dual mono) Head Amp	£795.00	£1,600.00
Parasound TQ1600 (remote tuner)	£295.00	£400.00
SME Series V Arm	£POA	£1,650.00
Wilson Benesch Act 2	£895.00	£1,400.00
Rotel Michi Phono	£695.00	£1,200.00
Rockport System II c/w Air stand, vac hold and arm	£18,000.00	£33,000.00
Musical Surroundings Phonomena Phono Stage	£495.00	£ -
Pink Triangle PTT00 5A/RB300S/AV	£795.00	£ -
Plinius 14 Phono	£On Dem	£2,750.00
Transparent Audio Music Wave Ultra XL Bi-Wire	£2,100.00	£4,000.00
Cary PH301 MM/MC	£895.00	£1,695.00
Nackamichi DR 3	£225.00	£400.00
Tom Evans - The Groove	£On Dem	£1,795.00
Clear Audio Reference Mc phono stage X-demo	£1,695.00	£2,065.00
Rega Planer 3 + Hi Fi News Out Board Power Supply	£320.00	£423.00
Clear Audio Symphono phono stage X-demo MM/MC	£640.00	£740.00
Lavardin Reference Phono	£On Dem	£2,500.00

* Reduced this month

tel: 020 8392 1959 & 020 8392 1963
fax: 020 8392 1994 info@choice-hifi.com

Open from 10am to 6pm Mon-Sat and other times by appointment.

Buy, sell, exchange quality hi-fi equipment.

We accept all major credit cards. Finance available subject to status

THE WIDEST SELECTION OF CAREFULLY USED & EX-DEMO' EQUIPMENT ALL FULLY GUARANTEED

VINYL REPLAY

DENON DP-2000 (Direct Drive)	£1500	£300
DUAL S503.1		£70
DUNLOP Systendek 3 / Basik LVX / K5	£750	£379
GARRARD 401 Chassis	£150	£150
LINN Axis (Cut for Linn arm)		£350
LINN Axis + Basik Plus	£600	£325
LINN LP12 + Basik LVV		£325
LINN LP12 + LVX + K5		£400
LINN LP12 Cirkus / Aro / NamPrefix / Armageddon	£3000	£1750
LUXMAN PD300 Cut for SME		£225
McCormick Phono Stage	£150	£150
MICHELL ISO HERA Phono Stage	£895	£448
MICHELL ISO HR/HERA Phono Stage	£895	£480
ORACLE Alexandra (Piano Black)	£999	£499
PINK TRIANGLE PT2 with RB300 Arm		£380
PROJECT RPM4 Turntable	£450	£308
REGA Planar 2		£170
REGA Planar 3 + RB300	£300	£208
ROKSAN Radius + Tabriz	£800	£449
ROKSAN Xerxes + RB250	£1500	£528
ROKSAN Xerxes + RB300	£1750	£550
THORENS TD125		£150
THORENS TD125 + SME 3009 Imp		£225
THORENS TD166		£160

CD • DVD

ARCAM ALPHA 8CD	£646	£348
AUDIO ALCHEMY ACD II	£450	£298
AUDIO ALCHEMY V1 + PSU	£489	£169
AUDIO ALCHEMY V3 DAC + PSU	£900	£549
AUDIO MECCA Kreatura (Trans)	£1250	£648
AUDIONOTE Zero DAC + Trans		£500
AURA CD50 CD Plyr		£150
CALIFORNIA A'LABS DX1 CD Plyr	£735	£360
COBALT 307 DAC	£650	£390
CYRUS 3q CD	£800	£580
DENSON Beat B400 + Gizmo remote	£1350	£900
DENON DCD-S10 CD Plyr	£1300	£700
DPA PDM 1 DAC	£1000	£438
LINN Karik CD	£1850	£1098
MARANTZ CDA-94 DAC	£1000	£295
MARANTZ CD63 K1 Signature	£500	£500
MERIDIAN 603 DAC		£700
MERIDIAN 606 DAC		£600
MERIDIAN 200 Trans	£700	£358
MERIDIAN 203 DAC	£499	£228
MERIDIAN 206 CD Plyr		£428
MERIDIAN 207 CD/Pre	£1200	£548
MERIDIAN 263 DAC		£398
MERIDIAN 602 Trans		£700
MICROMEGA Classic Data Transport	£2500	£1350
MICROMEGA T-DAC	£1250	£550
MICROMEGA DAC 1		£320
MICROMEGA Stage 2 CD Plyr		£398
MICROMEGA Drive 3 CD Trans & DAC		£528
NAIM CDS *****	£4000	£2298
NAIM CDI		£858
NAKAMICHI MB-2S (CD)		£POA
NAKAMICHI MB-4S (7 play CD)	£400	£168
NVA Emotive Statement CD	£2500	£1100
ORELLE DA180 DAC	£750	£300
ORELLE DA10T Trans	£900	£450
PINK TRIANGLE Literal (CD)	£2650	£1798
PINK TRIANGLE Da Capo (DAC)	£1250	£550
PINK TRIANGLE Cardinal (Trans)	£1250	£550
PROCEED DAP DAC *****	£2400	£1198
PROCEED PDT3 Trans *****	£3500	£1598
QED Positon + Digit (Trans & DAC)	£500	£170
QUAD CD77 (CD)	£700	£350
RADFORD WS1 CD Player	£999	£358
RADFORD WS2 CD Player	£1200	£698
ROTEL RSD991 CD Plyr	£900	£550
REGA Planar CD Plyr + Remote	£498	£328
SONY CDP552 ES + DAS702ES	£2400	£850
SONY CDP-970 CDPlayer	£495	£198
TAG CDT20R (Trans)	£2200	£1100
TEAC P500 (Trans)	£1000	£400
TEAC VRDS 10 (CD Player)		£450
THETA Pro Basic IIIA (DAC)		£1990
TRICHORD Genesis (CD)	£620	£300
WADIA 8 Tran+DDE15 DAC *****	£7500	£4400



UNISON Simply 4 Integrated
Tireless listening, deliciously informative and with enough 'wallop' to bring most speakers to life. 'Simply' a cut above most integrated amps!
£1,595 **£1,099**



QUAD II Anniversary power Amps
Beautiful in gold plate and absolutely as new. Sounds you could live with forever and so desirably collectable. An audio investment?
£6,000 **£2,998**

AMPLIFIERS • TRANS

A&R A60 Integrated (Black)		£120
ALBARRY AP2 (Pre)		£POA
ALBARRY AP3 (Passive pre)		£POA
ALCHEMIST Maxim ADP30a	£590	£278
ARCAM Delta 290	£600	£268
AUDIO ANALOGUE Puccini SE	£798	£680
AUDIOLAB 8000C (Pre)	£600	£290
AUDIOLAB 8000Q (Pre)	£1250	£698
AUDIOLAB 8000M (Monoblocks)	£1600	£850
AUDIO INNOVATIONS Alto (Integrated)		£208
AURA APA-200 (Power - Chrome)	£1200	£650
AVI S2000 Power Amp		£POA
CAMBRIDGE ATAC 3 Integrated	£200	£88
CYRUS One (Integrated)		£100
CYRUS 3i	£499	£348
CYRUS Pre	£700	£358
CHORD CPA3200 (Pre)	£5000	£2798
DENON AVP-A1D Digital Pre-amp	£2500	£1299
DENON POA-6600 Monoblocks		£POA
DEVA 250 Integrated + Matching Power	£1000	£450
DNM PRE2 / PA1 Pre + Power	£2800	£1099
EDMUND ESL10 Intgrd	£950	£450
FLAMCO Plenitude Power Amp	£560	£240
GALACTRON MK2121	£1200	£798
HAFLER DH220 Power-amp	£1000	£350
HARMON KARDON Citation 17 pre	£699	£199
HARMON KARDON AVR85 AV Rec	£1000	£498
KRELL KRC 2 (Pre) *****	£3000	£2028
KRELL KSA100 Power amp		£1498
LINN LK1	(Est)£650	£350
LINN LK2	(Est)£595	£299
LINN Kairn Pre	£1700	£1098
LINN Klout (Power)	£2000	£1350
MARK LEVINSON 27.5 Power	£6000	£3998
MERIDIAN 201 Pre	£760	£329
MERIDIAN 562 Pre	£995	£598
MERIDIAN 518 Pre	£1095	£648
MERIDIAN 555 power	£900	£450
MICHELL Orca + PSU Pre	£1550	£999
MICHELL Argo + Hera		£598
MICROMENGA Tempo 2 Pre		£498
MUSICAL FIDELITY A1 Pre	£250	£120
MUSICAL FIDELITY MVT Pre		£350
MUSICAL FIDELITY The Pre-Amp 3a		£240
MUSICAL FIDELITY F22 Pre	£1250	£898
MUSICAL FIDELITY ZA100R Intgrd Amp	£1000	£650
MYRIAD MA120 (Power)	£600	£280
NAIM NAC 62 Pre	£250	£104
NAIM NAC 72 Pre	£800	£528
NAIM NAC 82 Pre	£2000	£1250
NAIM NAC 92 Pre	£500	£358
NAIM Hi-Cap	£750	£400
NAIM Hi-Cap (New style)	£750	£550
NAIM NAP90 (Power)	£600	£378
NAIM NAP90 (Power)	£600	£400
NAIM NAP250 (Old style)		£320
NVA P90	£POA	£600
NVA A60 Power	£495	£329
NVA AP70	£1100	£598
PERREUX 350P Power		£5000
PERREUX SM6P Pre }*****	£5000	£3558
PIONEER C-73 Pre	£900	£348
QUAD 33 Pre	£200	£68
QUAD 34 Pre	£400	£228
QUAD 303 Power	£250	£118
QUAD 77 Power	£700	£400
QUAD 77 Integrated	£700	£350
ROKSAN Caspian (Int)	£900	£698
SONY V8ES ProLogic Amp	£400	£228
SUMO Athena III Pre	£900	£350
TALK ELECTRONICS Storm (Intgrd)	£650	£370
TESSERAC Pre	£1500	£798
TOWNSEND Elite 600 Pre	£500	£199
TRIO Basic C2+M1A (Pre + Power)	£1500	£358
XTC Pre 1 Pre-amp inc MM Phono	£1500	£990
YAMAHA AX590 Integrated	£200	£120

VALVE AMPLIFIERS

ARION Electra Integrated	£1200	£598
ART AUDIO Quintet (Mono's)	£2500	£1248
AUDION Sterling Phono (MM)		£POA
AUDION Silver Knight 300B Amp		£650

AUDION Silver Knight 300B Mono's	£2250	£1390
AUDIO INNOVATIONS S 800 (Power)	£1200	£680
AUDIO RESEARCH LS1 Pre	£1500	£650
AUDIO RESEARCH LS2 Pre	£2800	£1798
AUDIO RESEARCH LS2B Mk2 Pre	£3200	£2200
AUDIO RESEARCH LS5 Pre*****	£5995	£2999
AUDIO RESEARCH LS7 Pre	£1400	£1100
AUDIO RESEARCH SP14 Pre	£3200	£1650
AUDIO RESEARCH VT-60 Power	£3000	£1298
AUDIO RESEARCH D-70 Power		£1000
AUDIO RESEARCH D-240 Mk2 Power		£1998
C.A.T SL1 (Pre) *****	£6850	£4998
CONRAD JOHNSON PV10AL Pre	£1098	£848
CONRAD JOHNSON PV11 Pre	£1600	£999
CR DEVELOPMENTS Carmelo (Pre)	£900	£428
EAR 859 (Integrated)		£1648
EAR 859 (Power)	£1400	£790
JADIS Dely 7 (Current Model)	£4790	£3898
LEAK Stereo 20 Power New caps Nice		£350
LUMLEY RePP1 (Passive Pre)		£100
MICHAELSON Odysseus 40w Int	£1150	£699
MUSICAL FIDELITY F22 Pre	£1500	£898
PAPWORTH M100 Mono's *****	£3500	£2498
PAPWORTH M200 Mono's *****	£5000	£3500
PM COMPONENTS Monoblocks	£3000	£1498
QUAD II Anniversary (As new)	£6000	£2998
UNISON RESEARCH Feather 1 Pre	£800	£558
UNISON RESEARCH Simply 4P	£1600	£1099
WORLD AUDIO K5881	£600	£500

TUNERS

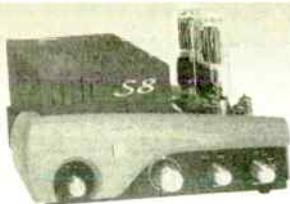
BRAUN 301	£269	£99
DENON TU-600L	£200	£94
DENON TU-380 RD tuner	£180	£100
HARMON KARDON TU-915	£300	£120
HARMON KARDON TU-9400	£249	£128
LEAK Delta AM-FM		£75
MARANTZ ST-63 (Silver)		£75
MERIDIAN 604	£1200	£798
MICROMEGA Tuner	£550	£398
PIONEER F91		£350
QUAD FM3	£200	£120
QUAD FM4	£400	£238
QUAD 77 Tuner	£600	£POA
TRIO K79xL (Silver)	£200	£95
YAMAHA CT610	£190	£60

CASSETTE • TAPE

AIWA AF80 3 Head Cassette	£250	£129
DENON DR-M24HX	£220	£120
NAKAMICHI 481 Cassette	£400	£180
NAKAMICHI BX1 Cassette	£459	£249
PIONEER PDR 04 CD Recorder	£700	£348
PIONEER CT-91A Cassette	£500	£220
REVOX A77 1/2 track Reel to Reel	£700	£348
REVOX D36 Reel to Reel		£348
REVOX E36 (Reel to reel)		£298
SONY DTC-750 DAT	£500	£230
TANDBERG TCD300 Cassette		£88
TEAC CX650R Cassette	£300	£129
TEAC A 3300-SX 10 1/2" Reel to reel	£1000	£350
YAMAHA CK690 Cassette	£250	£148

LOUDSPEAKERS

ACOUSTIC PRECISION Eikos	£800	£548
ACOUSTIC ENERGY AE 3 (inc stands)		£1698
B&W CDM1 (White)	£500	£328
B&W P4 (Cherry)	£600	£418
B&W P5 (Rosewood)	£875	£558
B&W Matrix 804	£1400	£650
CASTLE Chester (Blk)	£900	£475
CASTLE Harlech (Yew)	£1250	£690
DALI 400		£400
DYNAUDIO Audience 50 (Black)	£577	£350
EPOS ES11 (Walnut)	£499	£298
EPOS ES14 (Black)	£800	£448
GAMMA ACOUSTICS Epoch 5	£3000	£998
HARBETH HL Monitor Mk3 (Blk)	£700	£325
HARBETH HLP3		£450
HEYBROOK Heystack (Rosewood)	£500	£297



UNISON RESEARCH S8 Integrated
Single ended class A performance from a very
stylish single unit. You'll need muscles like it
has - just to lift it! Luscious looks and sound!

~~£2950~~ Ex-dem **£2147**



AUDIO RESEARCH LS5 Pre-amp
Amongst the most informative and musical
pre-amps in the world. Its influence transforms
many aspirational systems into the real thing!

~~£5,995~~ **£2,999**

**NOTHING TO PAY
FOR SIX MONTHS**
then choose either
**Interest Free Settlement
or competitive repayments**

* FINANCE ARRANGED IN-STORE & SUBJECT TO STATUS

SPEAKERS (Contd)

HEYBROOK Quartet (Walnut + Stands)	£700	£395
IMPULSE H7 (Black)	£1000	£480
JAMO Concert 8 (Including stands)	£1300	£795
JAMO Concert 8 (Piano Black Anniversary)	£1850	£998
JAMO Pro-Ex 400	£800	£500
JAMO Centre 200 (Black)	£1000	£498
KEF Q85.2	£200	£100
KEF Q95C.2 Centre Speaker	£200	£100
KEF 65DS	£400	£200
KEF Ref 4 (Black)	£4000	£1998
LINN Sara 9 with stands (Black)	£900	£340
LINN Kaber (Black)	£2000	£780
LINN Kaber (Rosewood) ACTIVE	£2500	£1350
LINN Nexus (Blk)	£400	£190
MAGNAPLANAR 2.5 (Light Oak)	£2500	£1450
MARTIN LOGAN Aerus (Walnut) *****	£1800	£990
MARTIN LOGAN CLS2 II *****	£5000	£2990
MERIDIAN M3 (Active)	£1000	£348
MISSION 733 (Black)	£350	£188
MISSION 754P (Rosewood)		£698
MISSION 765 2 (Oak)	£590	£300
MISSION 781 (Black) with stands	£250	£130
MISSION Cyrus 781 (Black) with stands		£175
MONITOR AUDIO Studio 12 (Black)	£1300	£698
MORREL Bass Master (Oak)	£1600	£728
NOTE PERFECT Virtuoso (Piano laquer)	£2000	£995
OPERA Caruso (Walnut)	£2495	£1495
OPERA Duetto	£395	£240
PROAC Studio 150	£1650	£1100
PROAC Response 1 (Yew)	£1200	£750
PROAC Studio 1 Mk2		£350
QUAD ESL 63	£3500	£1400
REGA ELA (Black)	£400	£200
REGA XEL (Black)	£990	£640
ROGERS LS6 (Black)	£399	£185
RUARK Broadword (Mahog)	£790	£370
RUARK Crusader (Black)	£1700	£895
RUARK Equinox (Black)	£2200	£1349
RUARK Talsman II		£400
SHAHINIAN Hawk (Subs)	£2000	£1200
SNELL J3 High Efficiency Monitors	£770	£449
SNELL Type E2		£698
SPENDOR BC1 (Teak)	£700	£325
SONUS FABER Electa Amator	£2500	£1400

SONUS FABER AMATI HOMAGE

Probably the most beautiful
loudspeaker available - in every sense.
A rare opportunity

~~£11,800~~ **£8998**

TANNOY D300 (Cherry)	£1200	£648
TDL RTL3 (Blk)	£490	£180
TRIANGLE Icare	£1500	£748
WHARFEDALE 73 (Blk)	£300	£150
YAMAHA NS1000M		£680

JS

CHORD Flatline Single 5 metre bi-wire	£300	£148
TRANSPARENT AUDIO The Wave 2x8m	£600	£180

EX-DEMONSTRATION STOCK CLEARANCE

All items boxed as new - fully guaranteed

APOGEE Centaur Speakers	£2300	£1600	MERIDIAN 518 Digital Processor	£2150	£1796
APOGEE Mini Grand GS Speakers	£7595	£5495	MERIDIAN 556 Power amp	£950	£716
ARCAM Alpha 9 CD Player	£799	£696	MERIDIAN M1500 (Active sub)	£895	£746
ARCAM FMJ T21 AM/FM Tuner	£399	£294	M&K VX100 Sub	£795	£634
ARCAM Alpha 10 DAB Tuner	£799	£696	MICHELL ISO HR Phono Stage	£895	£696
AUDIO ANALOGUE Paganini	£750	£597	MONRIO ASTI CD Player	£695	£537
AUDIOGRAM MB1 Integrated Amplifier	£599	£419	MONRIO Bitmatch Transport	£950	£477
AUDIOGRAM MB2 Integrated Amplifier	£499	£349	MONRIO 18B.2 DAC	£850	£427
AUDIO RESEARCH Integrated Amp	£3945	£2955	NAIM NAC 92R Pre	£689	£554
AUDIO RESEARCH DAC1-20	£3739	£899	NAIM Prefix phono stage	£405	£324
AUDIO RESEARCH DAC 5 D/A Converter	£2335	£1635	PAPWORTH TVA50	£2700	£1548
AUDIO RESEARCH LS5 Mk2 Pre-amp	£1498	£1298	PATHOS Twin Towers Integrated	£3250	£2647
AUDIO RESEARCH LS8 Pre-amp	£5290	£3690	PS AUDIO Digilink 1	£995	£595
AUDIO RESEARCH PH3 Pre-amp	£2199	£1649	PS AUDIO Digilink 2	£995	£595
AUDIO RESEARCH REF 600 Reference Amps	£43,995	£29,995	PS AUDIO Reference Link	£4549	£3189
AUDIO RESEARCH VT50 Power Amp	£3499	£2899	PS AUDIO D/A Converter	£2590	£1790
AUDIO RESEARCH VT200 Power Amp	£9998	£8248	PS AUDIO 4.5 Pre-amp	£998	£548
CALIFORNIA A'LABS Alpha DAC	£1809	£1175	PS AUDIO 6.1 Pre-amp	£799	£479
CALIFORNIA A'LABS Delta DAC	£1099	£769	PS AUDIO 6.2 Pre-amp	£899	£539
CALIFORNIA A'LABS Sigma DAC	£955	£665	REGA Brio Mk2	£288	£234
COPLAND CDA277 CD/HDCD Player	£1649	£1359	REGA Naos	£998	£794
COPLAND CDA288 CD/HDCD Player	£1999	£1649	ROTEL RT940AX Tuner	£235	£194
COPLAND CSA28 Integrated Amp	£1439	£1189	SONUS FABER Musica (Intgrtd)	£2295	£1729
COPLAND CSA303 Pre-amp	£1349	£1079	SONUS FABER Electa speakers	£1789	£1349
COPLAND CTA301 Pre-amp	£1299	£1049	SONUS FABER Speaker stands - wood	£595	£445
COPLAND CTA504 Amp	£1999	£1599	THETA ProPrime Converter	£1449	£1099
DIAPASON Karis (Walnut)	£995	£747	THETA Dreadnaught S	£6899	£5176
DIAPASON Adamantes 3 (Walnut)	£1975	£1497	THETA Casanova Pre	£4478	£3596
DENON AVR-2801 AV Receiver	£549	£POA	THETA Casanova Pre Chassis	£3998	£2996
DUNTECH PLC500 Speakers	£5250	£3250	UNISON RESEARCH Performance One		£POA
FINAL 0.3 (Alum)	£1495	£1297	UNISON RESEARCH Simply 4	£1595	£1197
GOLDMUND Mimesis 6 Amp	£2900	£2029	UNISON RESEARCH SB	£2950	£2147
GOLDMUND Mimesis 6b Pre-amp	£3124	£1796	UNISON RESEARCH Feather 1	£795	£597
GOLDMUND Mimesis 4 Tuner	£6100	£3900	UNISON RESEARCH Feather 1		
GRAAF Venticinque	£1795	£1297	Remote Control version	£890	£677
GRAAF Venticinque Power	£1395	£997	WILSON Cub speakers (Black Laminate)	£5495	£4125
GRAAF VT5.35.5 5 Ch Pwr	£2620	£1797	WILSON Cub speakers (Gloss)	£6890	£4995
GRAAF 5050	£1995	£1197	WORLD AUDIO K5881	£600	£500
GRAAF GM20	£2950	£2147	Z SYSTEMS Digital Pre-amp	£5449	£3999
KRELL KAV300i	£2790	£2230			
KRELL KAV300CD	£4289	£3399			
LINN Karik Trans	£1800	£1196			
LINN Numeric D-A	£1500	£906			
LINN Tune Box for active boards	£550	£444			
MARTIN LOGAN Quest	£5349	£3849			
McINTOSH MCD751 CD Trans	£2549	£1896			
McINTOSH MDA700 Bal DAC	£2549	£1896			

**NEW WEB SITE
UP-DATED DAILY**
hifitradingstation.com

Part-Exchange Welcome

Ask about trading in for
NEW EQUIPMENT

**NEXT DAY DELIVERY
ON CREDIT/DEBIT CARD
PURCHASES**

COMPETITIVE FINANCE TERMS*
ARRANGED IN STORE *Subject to status

The Hi-Fi Company's
**Trading
Station**

35 Cowgate
Peterborough PE1 1LZ

PHONE
(01733) 555514

FAX:
(01733) 315079

email:
enquiries@hifitradingstation.com

SHOP HOURS:
**TUES - SAT: 10am - 5.30pm
CLOSED ALL DAY MONDAY**

PROBABLY THE BEST

NEW DEMONSTRATION ROOM NOW OPEN AT 12A SPRING GARDENS, NEWPORT PAGNELL,

KIT6550 VALVE INTEGRATED AMPLIFIER KIT & KAT6550 VALVE POWER AMPLIFIER KIT

£595



KIT6550
upgrade kit now
available £130

NEW KITS

£580



KAT6550
upgrade kit now
available £120

These are our new 6550 series amplifiers. A pure class A design providing 40 watts into a 8 ohm load.(available in a 4 ohm version if required) A truly high end design by Andy Grove, using Svetlana 6550Cs in push-pull (any 6550 or KT88 tube can be used with this amp). It features valve rectification (5U4) a choke pi filter power supply and is hard wired. Weighs 19kg with dimensions 390mm(w) x 330mm(d) x 190mm(h)

with valves or 220mm(h) with cage. Simon Pope says - "If you favour attack and rhythmic grip, together with a smoothness of sound that's incredibly easy to live with, the KIT6550 could well be the kit amp for you. The 6550 is one for those who like a valve sound married to the attack and clout of a good quality solid state design".

Kel84 VALVE INTEGRATED AMPLIFIER KIT

This is our brand new, low cost, beginner level amplifier kit. It features a pair of EL84 valves per channel in push-pull configuration. They give 15 watts into an 8 ohm load - plenty for medium sensitivity loudspeakers. The output transformers are Ultra Linear, keeping distortion down to a minimum. Up front the ECF80 input/phase splitter valve has an extremely smooth sound.

The Kel84 has very low hum, to solid-state standards. For simplicity the kit is built on a printed circuit board. A strong steel chassis is fronted by a 3mm anodised front panel and attractive chromed custom made knobs. There are five line level inputs, plus one monitor input, with a tape output included, all controlled from the front panel. The phono input sockets and 4mm banana socket speaker terminals are gold plated.

At rear is a mains switch, an IEC power input and an earth post.

This kit is aimed at beginners. The instructions include pictures as well as diagrams, making them very easy to follow. At a UK price of £278.00 all inclusive you cannot ignore Kel84. Simon Pope says, "The quality that can be gleaned from this amp is a fine introduction to the joys of the valve sound. The Kel84 will highlight all the intricacies and depth of detail in your favourite recordings whilst retaining a warmth and fullness that is almost exclusive to pure valve amps and is rare at this price point."

Kel84 weighs 10kg. External dimensions with valves are 300mm(w) x 270mm(d) x 150mm(h).

£278



KAT88 VALVE POWER AMPLIFIER KIT

Here is the amazing KaT88. The circuit is similar to that of our popular KEL34 with a few changes to incorporate the Tesla, JJ branded KT88 power tetrode. This is a pure Class A push-pull design providing 36 watts into an 8ohm load. Andy Grove has come up with a gem of an output transformer (E/I). With the KT88 it offers a virtually unmatchable result for a valve amplifier. Frequency response measures 11Hz to 75kHz, separation 71dB, noise 98dB, sensitivity 400mV and distortion 0.03%. "As valve amplifiers go, the KaT88 is one of the best measured performances I have ever come across", said Noel Keywood. Jon Marks said, "The KaT88 pulled a series of surprisingly fast, meaty basslines out of its trickbag when dealing with Suzanne Vega's Nine Objects Of Desire album. As if this wasn't enough, the mid and treble were nice too - cymbals had a deliciously natural, golden shimmer without sounding soft, and vocals were extremely transparent and crisply defined. KaT88 didn't hang around when it came to exploiting the virtues of its four output valves on numbers such as 'Leaves' and 'Suspect Sustain' from Cirrus' Land's End Jazz CD. Saxophone had a wonderfully smooth, realistic character, and acoustic guitar mixed speed with harmonic richness to very impressive effect. Asian Dub Foundation and Moloko showed no sign at all of the sluggish, woolly bottom-end and poorly-delineated bass beats that most valve amps are to blame for. Which makes the KaT88 an all-round, high-end bargain." Weight 16kg, external dimensions with valves are 330mm(w) x 300mm(d) x 190mm(h).

£468



KAT88
upgrade kit now
available £150

KAT88
upgrade kit now
available £140

DIY KITS IN THE WORLD

MILTON KEYNES, BUCKS MK16 0EE - CALL FOR DETAILS ON 01908 218836

ALL NEW SERIES II MODULAR PRE-AMP KIT

The PRE-II is a valve pre-amplifier with six inputs, tape monitor and two sets of output sockets. It utilises a high quality line driver transformer and x5 gain. The PHONO-II is a dedicated valve phono stage that incorporates a step-up transformer for MC users. Finally, PSU-II is a power supply unit that feeds both the PRE-II and PHONO-II.

Power Supply Unit (PSU-II)	£195.00
Pre-amplifier (PRE-II)	£195.00
Phono Stage (PHONO-II)	£110.00
Moving coil step-up transformer	£77.00
Passive pre-amplifier (PAS-II)	£215.00

NEW!



KAT34 VALVE POWER AMPLIFIER KIT & KIT34 VALVE INTEGRATED AMPLIFIER KIT

£480



**KAT34
upgrade kit now
available £120**

Kit34 is a 32 watt stereo valve integrated amplifier, featuring a pair of EL34s, in push-pull mode, per channel, plus an ECF80 pentode/triode as input/phase splitter. The power supply is valve rectified (2 x 5U4), using a heavy duty choke to achieve exceptional smoothing. The output transformers are 14% Ultra Linear tapped to keep distortion down to its lowest level and the kit is totally hard wired utilising three tag boards. It has five line level inputs, plus a tape-in and tape out, all controllable from the front.

NEW KITS

£495



**KIT34
upgrade kit now
available £130**

Simon Pope says, "This integrated brings together the best sonic virtues of our KIT88, kel34 and top of the range 300B PSE in an affordable package. The highlights of the sound are a deep and taut bass response, together with an open and highly detailed mid and high frequency response that only the best valve designs can achieve... a true valve classic!"
Weight 22kg, External dimensions with valves fitted - 390mm(w) x 360mm(d) x 210mm(h)

300B PSE MONOBLOC KIT

Our Parallel Single Ended amplifiers offer ultimate sound quality. Each monobloc has two of the beautifully linear 300B directly heated triode in its output stage, producing 20 watts into an 8 ohm load. At the front we have a 6AU6 pentode and an ECC82 as the driver valve. This design utilises a 5U4 rectifier valve in the power supply, in combination with a 10H choke, giving an extremely quiet supply. Both mains and output transformers use E/I pattern.

For purists, feedback is switchable and the kit is totally hard-wired. For those that require valves we provide the superb Tesla 300Bs, Russian 5U4s and European 6AU6s & ECC82. Simon Pope says, "Not to put too fine a point on it, the sound these monoblocs create is among the finest that can be encountered in hi-fi." Our 300B PSE kit bears an affordable price of £875.00 (UK price) excluding valves. Each monobloc weighs 23kgs., external dimensions with valves: 25cm(w) x 38cm(h) x 22cm(d) per monobloc.

**300B PSU
upgrade kit now
available £150**

**£875
A pair**



KEL80 MONOBLOC AMPLIFIER KIT

Following the success of our budget KEL34 40watt kit amplifier, we have come up with a 'big brother' design. The output stage uses two pairs of TESLA EL34 pentodes in parallel-push-pull mode, allowing KEL80 to turn out 80 watts into an 8ohm load. Heading up the input stage we have the wonderfully linear Russian 6AU6 working into an American 5687 phase-splitter. KEL80's output transformers are 4ohm and 8ohm tapped. With an input sensitivity at around 380mV for full output, it will happily partner both passive and active pre-amplifiers. It is easy to assemble. Simon Pope says, "The proof of the pudding is in the eating and the KEL80 is a feast for the ears, with solid bass attack, lightning fast reactions, that emphasises musicality as well as power. At £649.00 a pair, a definite valve winner. Each monobloc weighs 12kgs., external dimensions with valves: 14cm(w) x 8cm(h) x 43.5cm(d).

**£649
A pair**



HD83 VALVE HEADPHONE AMPLIFIER KIT

The HD83 headphone amplifier is a beautifully simple design using Mullard ECL83 valves, a triode and power pentode housed in the same envelope. It works directly from any source, be it CD, tape, tuner etc., or from an amplifier's tape out or pre-amp out sockets. The circuit uses high specification E/I output transformers that will drive any headphone load from 16 ohms to over 300 ohms depending on how the secondaries are wired up. The HD83 is a single-ended design with the power pentode wired up in triode configuration for added sonic purity, and it is as quiet as a mouse. For sound quality Jon Marks says, "The bass is punchy and controlled without becoming artificial, while treble has the crispness of the best

solid-state, with the tonal purity, delicacy and speed associated with valves." External dimensions 18cm(w) x 30cm(l) x 8cm(h) weight 4kg.

£195



World Audio Design

PROBABLY THE BEST DIY KITS IN THE WORLD

NEW DEMONSTRATION ROOM NOW OPEN AT 12A SPRING GARDENS, NEWPORT PINNELL, MILTON KEYNES, BUCKS MK16 0EE- CALL FOR DETAILS ON 01908 218836

KLS10 HIGH TECHNOLOGY COMPACT MONITOR

Our mini-marvel uses an Audax carbon fibre bass/midrange unit, married to the world's most advanced tweeter, the piezo-electric gold dome HD3P from Audax. KLS10 offers high performance from a small package. The main speakers are designed to work alone, or with a dedicated subwoofer to extend their bass. Alone, they are suited to near-wall mounting and can be tuned by port adjustment to suit personal taste and location. They are easy to drive and need just 30-60watts. KLS10 is unique. Technically advanced, yet compact and relatively inexpensive, there is little to match it. Sensitivity 89dB 1W/1m, 15mm MDF, internal volume 9Ltrs, external dimensions 19cm(w) x 31cm(h) x 23cm(d).

Drive Unit & Crossover kit **£433.00**
Drive Unit only **£394.00**



£433

KLS10 GOLD SUBWOOFER

Designed to complement KLS10 Gold stand mounters by providing deep and open bass. The subwoofer is inexpensive, easy to build, comprising a simple crossover network with a high quality 8 inch Aerogel dual voice coil unit. A must for all KLS10 Gold customers. Sens. 89dB, volume 25 litres, external dimensions 28cm(w) x 43cm(h) x 34cm(d).

Drive Unit & Crossover kit **£164.00**
Drive Unit only **£78.00**



£164

KLS3 GOLD MK II ADVANCED TECHNOLOGY 3 WAY LOUDSPEAKER

KLS3 Gold uses the latest version of Audax's innovative oval gold dome piezo electric tweeter, giving it the sweetest and most extended treble. Married to a 4in. carbon fibre cone midrange driver for neutral and clear reproduction, and a powerful 8in. bass driver for superb depth, this is our top-of-the-line reference speaker. Sensitivity 90dB at 1W/1m, 25mm MDF, internal volume 60Ltrs, external dimensions 26cm(w) x 100cm(h) x 35cm(d).

Drive Unit & Crossover kit **£633.00**
Drive Unit Pack **£495.00**



£633

Upgrade your KLS3s to Gold status. Includes latest oval gold dome piezo tweeter and all components.

for

£363

Mains transformers & Chokes

KIT6550/KAT6550 mains transformers
2 inch stack, 130mm(h)x120mm(w)x135mm(l) drop through fitting with zinc cap. Secondaries: 0V-240V 300mA, 0V-5V, 6A, 3.15V, 0V-3.15V, 9A. Suitable for 120V & 240Vac operation

KEL84 mains transformer
1.5 inch stack, 90mm(h)x80mm(w)x95mm(d) drop through fitting with zinc cap. Secondaries: 0V-240V 300mA, 3.15V, 0V-3.15V, 5.5A, suitable for 120/240V operation

KIT88/KAT88 mains toroidal transformer
120mm dia. x 60mm(h). Secondaries: 195V, 0V-95V, 450mA/0V-27V, 100mA/3.15V, 0V-3.15V, 9A, suitable for 120/240V operation

KIT34/KAT34/KIT6550/KAT6550 choke
1.25 inch stack, 65mm(h)x105mm(w) with fitting holes x 60mm(d). clamp fitting, 2.5 H, 350mA

300B PSE mains E/I transformer
130mm(h) x 95mm(w) x 115mm(d). drop through fitting with zinc cap. Secondaries: 380V, 0V-380V, 180mA/150, 0V-150V, 25mA/0V-5V, 1.2A/0V-5V, 1.2A/0V-5V, 3A/3.15V, 0V-3.15V, 0.4A suitable for 120/240V operation

KEL80 mains toroidal transformer (encapsulated)
130mm dia. x 65mm(h). Secondaries: 195V, 0V-195V, 390mA/0V-27V, 100mA/3.15V, 0V-3.15V, 7.5A, suitable for 120/240V operation

HD83 mains toroidal transformer
80mm dia. x 35mm(h). Secondaries: 0V-165V, 75mA/3.15V, 0V-3.15V, 1A, suitable for 120/240V operation

PSU-II mains toroidal transformer
80mm dia. x 35mm(h). Secondaries: 0V-270V, 60mA/0V-10V, 2A, suitable for 120/240V operation

TRANS1 mains toroidal transformer
95mm dia. x 50mm(h). Secondaries: 0V-370V, 150mA/0V-6.3V, 3.5A 300B E/I choke 65mm(h) x 70mm(d) x 80mm(w) open frame fitting, 10H, 180mA.

KEL84 E/I choke
0.5 inch stack, 40mm(h)x35mm(d)x70mm(w) clamp fitting, 1H, 250mA

PSU-II E/I
40mm(h) x 35mm(d) x 70mm (w) clamp fitting, 15H, 20mA

KIT34/KAT34 mains transformer
2.5 inch stack, 120mm(h)x115mm(w)x95mm(d), drop through fitting with zinc cap. Secondaries: 365V - 0V - 365V, 300mA/0V - 5V, 6A/3.15V - 0V - 3.15V, 7.5A. Suitable for 120/240V operation.

Output transformers

KIT6550/KAT6550 E/I 16% TAPPED UL push-pull output transformer
2 inch stack, 80mm (w) x 95mm (l) x 100mm (h), drop through fitting with zinc cap. Primary-secondary 4.5K, 16% UL tapped. Secondary 4 Or 8 ohm, pls specify on order. max output 45 watts, max current 180mA, valves, KT88, 6550 etc

KEL84 E/I Ultra Linear push-pull output transformer
1.25 inch stack, 76mm(h)x65mm(w)x76mm(d). Primary - secondary 8K with 12.5% UL tap - 8ohms, max o/p-15watts, max current 150mA valves EL84 etc

KIT88/KAT88 E/I push-pull output transformer
80mm(w)x95mm(l)x100mm(h). Primary-secondary 10K - 8ohms, max o/p-40watts, max current-160mA valves-KT88, 6550, EL34

KIT34/KAT34 E/I 14% tapped Ultra Linear push-pull output transformer
2 inch stack, 80mm(w)x95mm(l)x100mm(h), drop through fitting with zinc cap. Primary-secondary 6.4K, 14% UL taps, Secondary 8ohm, max output 34watts, max current 150mA, valves EL34, 6L6, 6CA7

KEL80 E/I parallel-push-pull output transformer
95mm(w)x115mm(l)x133mm(h). Primary-secondary 4.6K - 8 & 4ohms, max o/p-80watts, max current-250mA valves-EL34, 5881, 6L6

HD83 E/I single ended output transformer
40mm(w)x50mm(l) x55mm(h). Primary-secondary 4K - 4 x 64ohms windings, max o/p-1watts, max current-25mA valves-ECL83 etc

Pre-II E/I driver transformer
80mm(w)x60mm(l) x65mm(h). 6:1 step down transformer, max current-10mA valves-6922 etc pre-amp stage

300B PSE E/I parallel single ended output transformer
130mm(h) x 95mm(w) x 115mm(d). drop through fitting with zinc cap. Primary 1K5 Secondary 8R, output .

Printed circuit boards

- Kel84 Printed Circuit Board 280mm(w) x 135mm(l) x 1.6mm(d).
- KIT88/KaT88 Printed Circuit Board 140mm(w) x 310mm(l) x 2.4mm(d).
- Kel34 Printed Circuit Board 140mm(w) x 310mm(l) x 2.4mm(d).
- Kel80 Printed Circuit Board (a pair) 120mm(w) x 215mm(l) x 2.4mm(d).
- HD83 Printed Circuit Board 140mm(w) x 160mm(l) x 1.6mm(d).
- PSU-II Printed Circuit Board 105mm(w) x 130mm(l) x 1.6mm(d).
- PRE-II Printed Circuit Board 105mm(w) x 130mm(l) x 1.6mm(d).
- PHONO-II Printed Circuit Board 105mm(w) x 130mm(l) x 1.6mm(d).



Hi-Fi World in Malaysia at Millennium Hi-Fi & Av. Kuala Lumpur, Malaysia

Hi-Fi World is now distributed through good bookshops and newstands in Malaysia. For back issues, general enquiries and advertising, contact Simon Chang at Millennium Hi-Fi & Av.

Also available are products by World Audio Design, Michell, Trichord, Lowther and ReThm loudspeakers.

Millennium Hi-Fi & Av
500-1-3 First Floor, Wisma Indah (Shen Court),
Jalan Tun Razak 50400 K.L.

tel: 603 9283 8171 fax: 603 9281 3762

137 Jalan Pendekar 2, Taman Skudai Baru, 81300 Skudai, Johor DT
tel: 607 554 5171 fax: 607 554 7645

e-mail: info@millennium-audio.com

These are expert kits, not for the inexperienced. You must be able to solder and read a circuit diagram. The valve kits contain lethal voltages. We cannot be held responsible for any errors arising from the construction of these kits.

WARNING

order on our website @

www.worldaudiodesign.co.uk

World Audio Design

amplifier kits description	order No.	qty	uk (inc vat & carriage)	overseas (exc. vat & carriage)
KaT6550 valve power amplifier kit (with valves)	KaT6550 (with valves)	<input type="checkbox"/>	£580.00	£495.00
KaT6550 valve power amplifier kit (without valves)	KaT6550 (without valves)	<input type="checkbox"/>	£450.00	£380.00
KaT 6550 upgrade kit	KaT 6550 upgrade	<input type="checkbox"/>	£120.00	£105.00
KiT6550 valve integrated amplifier kit (with valves)	KiT6550 (with valves)	<input type="checkbox"/>	£595.00	£510.00
KiT6550 valve integrated amplifier kit (without valves)	KiT6550 (without valves)	<input type="checkbox"/>	£465.00	£395.00
KiT 6550 upgrade kit	KiT 6550 upgrade	<input type="checkbox"/>	£130.00	£110.00
KAT34 valve power amplifier kit (with valves)	KAT34(with valves)	<input type="checkbox"/>	£415.00	£354.00
KAT34 valve power amplifier kit (without valves)	KAT34(without valves)	<input type="checkbox"/>	£120.00	£105.00
KaT34 upgrade kit	KaT34 upgrade	<input type="checkbox"/>	£495.00	£420.00
KiT34 valve integrated amplifier kit (with valves)	KiT34 (with valves)	<input type="checkbox"/>	£430.00	£365.00
KiT34 valve integrated amplifier kit (without valves)	KiT34 (without valves)	<input type="checkbox"/>	£130.00	£110.00
KiT 34 upgrade kit	KiT 34 upgrade	<input type="checkbox"/>	£278.00	£237.00
Kel84 valve integrated amplifier kit (with valves)	Kel84 (with valves)	<input type="checkbox"/>	£248.00	£212.00
Kel84 valve integrated amplifier kit (without valves)	Kel84 (without valves)	<input type="checkbox"/>	£100.00	£85.00
Kel84 upgrade kit	Kel84 upgrade	<input type="checkbox"/>	£195.00	£167.00
PSU II power supply unit module	PSU - II	<input type="checkbox"/>	£195.00	£167.00
PRE II pre-amplifier module	PRE - II	<input type="checkbox"/>	£110.00	£95.00
PHONO - II phono stage module (with valves)	PHONO II	<input type="checkbox"/>	£215.00	£185.00
PAS II passive pre-amplifier module with 10K or 50K attenuator (pls specify)	PAS II	<input type="checkbox"/>	£77.00	£66.00
Moving Coil step up transformers	MC - step up (pair)	<input type="checkbox"/>	£150.00	£130.00
KiT88 upgrade kit	KiT88 upgrade	<input type="checkbox"/>	£468.00	£399.00
KaT88 Valve integrated amplifier kit (with valves)	KaT88(with valves)	<input type="checkbox"/>	£341.00	£291.00
KaT88 Valve integrated amplifier kit (without valves)	KaT88(without valves)	<input type="checkbox"/>	£140.00	£120.00
KaT88 upgrade kit	KaT88 upgrade	<input type="checkbox"/>	£195.00	£167.00
HD83 Valve Headphone amplifier kit (with valves)	HD83 (with valves)	<input type="checkbox"/>	£649.00	£537.00
Kel80 Valve Monobloc amplifier kit (with valves) - a pair	Kel80 (with valves)	<input type="checkbox"/>	£572.00	£487.00
Kel80 Valve Monobloc amplifier kit (without valves) - a pair	Kel80 (without valves)	<input type="checkbox"/>	£1177.00	£1002.00
300B PSE Valve Monobloc amplifier kit (with valves) - a pair	300B PSE (with valves)	<input type="checkbox"/>	£875.00	£745.00
300B PSE Valve Monobloc amplifier kit (without valves) - a pair	300B PSE (no valves)	<input type="checkbox"/>	£150.00	£130.00
300B PSE Upgrade Kit - a pair	300B PSE upgrade kit	<input type="checkbox"/>		

loudspeaker kits	order No.	qty	uk (inc vat & carriage)	overseas (exc. vat & carriage)
KLS3 Gold mkII Drive Units	KLS3G-D	<input type="checkbox"/>	£495.00	£422.00
KLS3 Gold mk II Drive Units + Crossover Kit etc	KLS3G-C	<input type="checkbox"/>	£633.00	£539.00
KLS10 Drive Units	KLS10D	<input type="checkbox"/>	£394.00	£336.00
KLS10 Drive Units + Crossover Kit etc	KLS10C	<input type="checkbox"/>	£433.00	£369.00
KLS10-Subwoofer Drive Units	KLS10-subD	<input type="checkbox"/>	£78.00	£67.00
KLS10 Drive Units + Crossover Kit etc	KLS10-subC	<input type="checkbox"/>	£164.00	£140.00

parts description	order No.	qty	uk (inc vat & carriage)	overseas (exc. vat & carriage)
KiT/KaT6550 mains transformer	6550 mains T	<input type="checkbox"/>	£110.00	£95.00
KiT34 mains transformer	KiT34 - mains T	<input type="checkbox"/>	£100.00	£85.00
Kel84 E/I mains transformer	Kel84 - mains T	<input type="checkbox"/>	£55.00	£47.00
KiT88/KaT88 mains toroidal transformer	88 - mains T	<input type="checkbox"/>	£83.00	£71.00
Kel80 mains toroidal transformer(encapsulated)	Kel80 - mains T	<input type="checkbox"/>	£83.00	£71.00
HD83 mains toroidal transformer	HD83 - mains T	<input type="checkbox"/>	£39.00	£34.00
PSU-II mains toroidal transformer	PSU-II - mains T	<input type="checkbox"/>	£39.00	£34.00
300B PSE E/I mains transformer	300B - mains T (each)	<input type="checkbox"/>	£130.00	£110.00
KiT34 E/I choke	KiT34 - choke	<input type="checkbox"/>	£45.00	£39.00
Kel84 E/I choke	Kel84 - choke	<input type="checkbox"/>	£20.00	£17.00
KiT6550 choke	KiT6550 choke	<input type="checkbox"/>	£45.00	£38.00
300B PSE choke	300B - choke	<input type="checkbox"/>	£50.00	£43.00
PSU-II E/I choke	PSU-choke	<input type="checkbox"/>	£20.00	£17.00
KiT34 E/I UL push pull output transformer	34 - O/P T (pair)	<input type="checkbox"/>	£130.00	£110.00
KiT/KaT6550 E/I UL output transformer	6550 O/P T 4ohm?/8ohm?(pair)	<input type="checkbox"/>	£130.00	£110.00
Kel84 E/I push-pull output transformer	Kel84 - O/P T (pair)	<input type="checkbox"/>	£88.00	£75.00
KiT88/KaT88 E/I push-pull output transformer	88 - O/P T(pair)	<input type="checkbox"/>	£143.00	£122.00
Kel80 E/I parallel-push-pull output transformer	Kel80 - O/P T(pair)	<input type="checkbox"/>	£187.00	£160.00
HD83 E/I single ended output transformer	HD83 - O/P T(pair)	<input type="checkbox"/>	£94.00	£80.00
Pre-II E/I driver transformer	PRE-II - driver T(pair)	<input type="checkbox"/>	£77.00	£66.50
300B PSE E/I output transformer	300B - O/P T (each)	<input type="checkbox"/>	£140.00	£119.00
Kel84 Printed Circuit Board	Kel84 - PCB	<input type="checkbox"/>	£24.00	£20.90
KiT88/KaT88 Printed Circuit Board	88 - PCB	<input type="checkbox"/>	£41.00	£35.15
Kel34 Printed Circuit Board	Kel34 - PCB	<input type="checkbox"/>	£12.00	£11.40
Kel80 Printed Circuit Board	Kel80 - PCB(pair)	<input type="checkbox"/>	£52.00	£44.65
HD83 Printed Circuit Board	HD83 - PCB	<input type="checkbox"/>	£20.00	£17.00
PSU-II Printed Circuit Board	PSU-II - PCB	<input type="checkbox"/>	£20.00	£17.00
PRE-II Printed Circuit Board	PRE-II - PCB	<input type="checkbox"/>	£20.00	£17.00
PHONO-II Printed Circuit Board	PHONO-II - PCB	<input type="checkbox"/>	£20.00	£17.00
Tag board 2 x 16 connections (hard wiring)	TAG	<input type="checkbox"/>	£3.50	£3.00
Alps blue audio grade 50K dual log potentiometer	ALPS - 50K	<input type="checkbox"/>	£14.00	£12.00
Alps blue audio grade 100K dual log potentiometer	ALPS - 100K	<input type="checkbox"/>	£14.00	£12.00
Stepped attenuator with resistor pack 10K of 50K (pls specify)	Attenuator + resistor pack	<input type="checkbox"/>	£75.00	£65.00
LCR 22.5uF 440Vdc polypropylene capacitors	LCR - 22.5U	<input type="checkbox"/>	£10.00	£8.50
Ansar 22.5uF 630Vdc polypropylene capacitors	ANSAR - 22.5U	<input type="checkbox"/>	£18.00	£15.20
Jensen 0.47uF 630Vdc paper in oil capacitor	JEN - 0.47U	<input type="checkbox"/>	£20.00	£17.00
Jensen 0.22uF 630Vdc paper in oil capacitor	JEN - 0.22U	<input type="checkbox"/>	£16.00	£14.00
Jensen 0.22uF, 400V paper in oil capacitor	JEN - 0.22U, 400V	<input type="checkbox"/>	£12.00	£10.20
Black Gate 220uF 50Vdc electrolytic	BG - 220U	<input type="checkbox"/>	£12.00	£10.20
Black Gate 4700uF 16Vdc electrolytic	BG - 4700U	<input type="checkbox"/>	£16.00	£13.60
Black Gate 100uF 100Vdc electrolytic	BG - 100U	<input type="checkbox"/>	£10.00	£8.50
Black Gate 470uF 16Vdc electrolytic	BG - 470U	<input type="checkbox"/>	£8.00	£7.00
Black Gate 1000uF, 16V electrolytic	BG - 1000U16V	<input type="checkbox"/>	£8.00	£6.80
Black Gate 100uF, 50V electrolytic	BG - 100U50V	<input type="checkbox"/>	£6.00	£5.20
KiT88/KaT88 chassis	88-CHAS	<input type="checkbox"/>	£100.00	£85.00
650V safety gloves (a pair)	SAFETY GLOVES	<input type="checkbox"/>	£14.00	£12.00
6550/34 cage	34/6550 cage	<input type="checkbox"/>	£65.00	£55.00

World Audio Design Amplifiers fully built from Malaysia

Title	Description	Price (exc. VAT + Carriage)	Title	Description	Price (exc. VAT + Carriage)
1A40	40W EL34 integrated	£590.00	MB80	80W EL34 monobloc	£1190.00
1A36	36W KT88 integrated	£895.00	PA11	Valve pre-amplifier	£699.00
P2OA	20W 5881 power amp	£795.00	PH11	Valve phono stage for PA11	£199.00

Order from our Far East Distributor: Millenium Hi-Fi & AV

137 Jalan Pendekar 2, Taman Skudai Baru, 81300 Skudai, Johor DT, Malaysia
Tel: 07 554 5171 - Fax: 07 554 7645 - email:mha8@pd.jaring.my

order information

NAME: _____
 ADDRESS: _____

 POST CODE: _____
 COUNTRY: _____
 TEL. (DAY): _____

Tel/Fax: 01908 218 836

I enclose cheque/postal order for £_____ made payable
 to World Audio Publishing Ltd. I wish to pay by Mastercard / Visa /Switch/ Solo.
 Please debit my account no: _____

Expiry Date: _____ Signature: _____
 (Switch/Solo only) Valid Date: _____ Issue No. _____

Prices were correct at time of print. 01/01/02 they are subject to change.

If you wish for a built item, please phone for a quote / Valves included except where otherwise stated. If you would like a data sheet on any of the kits, please write a 'D' in the qty box

WARNING - World Audio Publishing Ltd. accept no responsibility for kits, parts or modifications made or supplied by third parties. Order on our website www.worldaudiodesign.co.uk

Please send your completed order form to: WORLD AUDIO PUBLISHING LTD, 1a Spring Gardens, Newport, Pembrokeshire, Burfi, Mkt, DEE
 Tel/fax: 01908 218836 e-mail: orders@worldaudiodesign.co.uk





World Audio Library

WE HAVE OVER 30

ORDER 4 BOOKS & OVER & PAY ONLY £7.00 FOR P&P (UK ONLY)

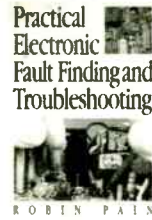
AUDIO ELECTRONIC THEORY BOOKS



Electronics made Simple
by Ian Sinclair
This books covers the basic theory and principles of electronics. A good read for the beginner
Code No. 1420
£12.99 + £2.00 P&P (UK)



Build your own High-End Audio Equipment
by Elektor
Build your own High-End Audio equipment contains construction projects for solid state preamplifiers and power amplifiers, active cross-over filters, an active subwoofer, a mono/stereo compressor and a headphone amplifier.
Code No. 1390
£14.95 + £2.25 P&P (UK)



Practical Electronic Fault-Finding and Troubleshooting
by Robin Pain
This book explains the basic techniques needed to be a troubleshooter, using only basic equipment: a digital multimeter and an oscilloscope. Simple circuit examples are used to illustrate principles and concepts fundamental to the process of fault finding.
240pp 235mm x 156mm Paperback
Code No. 1430
£20.99 + £2.25 P&P (UK)



Build your own Electronic Test Instruments
by Elektor
This book contains designs for 17 measuring instruments, seven generators and analysers, ten miscellaneous instruments and a number of test ancillaries and auxiliaries. The designs range from a simple multicore cable designs contain a special printed circuit, drawing of which are given in an appendix.
Code No. 1400
£15.95 + £3.25 P&P (UK)



The LP is back
by Audio Amateurs
Your complete guide to LP care and maintenance designed to offer you everything useful for those who love and enjoy this older music medium. This covers the theory and care of LPs and the electronics and mechanics of its players.
154pp Paperback
Code No. 1620
£8.00 + £1.50 P&P (UK)

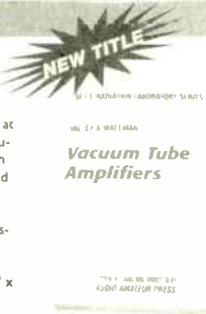


The Joy of Audio Electronics
by Charles Hansen
This is a safe-guide to the pleasures of hands-on electronic construction. This book covers test and measurement projects, how to build simple kits, safety issues, the workplace, theory and resources. A must for the beginner who plans to build more advanced electronic projects in the future.
124pp Paperback
Code No. 1650
£10.50 + £2.25 P&P (UK)

VALVE BOOKS



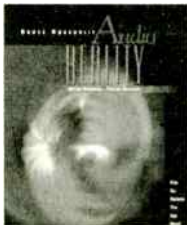
The Beginner's Guide to Tube Design
by Bruce Rozenblitz
This book takes a comprehensive look at tube audio design. It explains how vacuum tubes work and how to design with them. Rozenblitz covers stabilisation and testing, a description of 13 famous and classic amps and preamps and how to work effectively as a designer. A hands-on guide to construction techniques, tools and choosing components and tubes is provided. 1997, 132pp., 8 1/2" x 11" Paperback
Code No. 1340
£15.50 + £2.25 P&P (UK)



Vacuum Tube Amplifiers
by Valley & Wallman
This book is a well known reference valve text book and is assembled from pieces by ten knowledgeable authors. An absolute bible when it comes to valve electronics.
734pp 140mm x 210mm
Paperback
Code 1770
£29.95 + £ 4.00 P&P (UK)



Mullard Tube Circuits for Audio Amplifiers
Includes full designs for eleven power and control amps, including 5-20, using valves Begins with a four chapter tutorial on getting the best sound from valve amplifiers
142pp 8" x 10" Paperback Code 1030
£13.95 + £1.50 P&P (UK)



Audio Reality
by Bruce Rozenblitz
A fine read that investigates conductors, skin effect, impedance, interconnects, speaker cables, balanced lines, transmission lines, power cords, isolation transformers, damping systems, tubes, acoustics and much more. Also, includes 6 excellent detailed valve design projects, 80watt OTL, 25watt OTL, grounded grid pre-amp, 150watt amp., 6550 SE amp. and a grounded grid cascade phono preamp.
Paperback 128pp
Code No 1640
Price 21.50 + 2.25 P&P (UK)



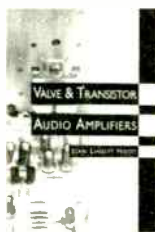
An Approach to Audio Electronic Valves in Audio Frequency Amplifiers
by E. Rodenhuis
Originally published in 1954 by Philips, this book encourages amp. builders to experiment with design elements. Discussing the use of valve data, the function of different amplifier stages and includes detailed descriptions of eight designs. A wealth of practical data, measurements and interesting features will be found. A very good read.
Paperback 147pp
Code No. 1520
Price £12.95 + £2.00 P&P (UK)



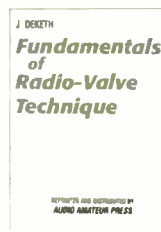
Build your own Audio Valve Amplifiers
by Rainer Zur Linde
This book covers construction projects for preamplifiers, power amplifiers and tv amplifiers for musical instruments aimed at the practical audio/hifi enthusiast, it offers much information on the operation of electron tubes, while the first chapter gives a short history of the thermionic valve.
paperback, 251pp, 235mm x 133mm
Code No. 1320 £14.95 + 2.25 P&P (UK)



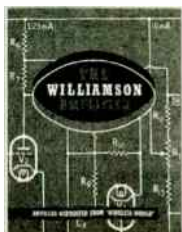
Radio Designer's Handbook 4th Edition
by Fritz Langford-Smith
This is a classic reference handbook for all who are interested in the design and application of audio amplifiers and radio receivers, and deals with basic principles and the practical design of all types of classic audio amplifiers, radio receivers and record-producing equipment up to the invention of the transistor, covering valves, valve testing, general theory and components: audio and radio frequencies; power supplies, design of complete AM and FM receivers, and reference information.
1498pp 216mm x 138mm Hard back
Code No. 1600
£39.99 + £6.00 P&P (UK)



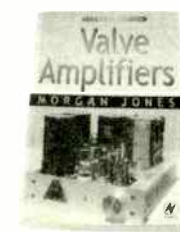
Valve & Transistor Audio Amplifiers
by J L Hood
This is J L Hood's greatest work yet, describing the milestones that have marked the development of audio amplifiers, from the earliest valve amps to the latest solid state design. It is the complete world guide to audio amp design. Other contents: active & passive components, amplifiers, pre-amplifiers and power supplies.
250pp., 156mm x 232mm Paperback
Code No. 1530
£20.99 + £3.50 P&P (UK)



Fundamentals of Radio-Valve Technique
J Deketh
This is part of the philips technical series written in 1947 it was one the most authoritative and comprehensive treatment of the nature and function of the vacuum tube.
534pp 6" x 9" Paper back
Code No. 1630
£21.50 + £2.50 P&P (UK)



The Williamson Amplifier
by D T N. Williamson
Offers practical advice on how to build and set up the amplifier for best results.
40pp 8 1/2" x 11" Paper back
Code No. 1040
£9.95 + £1.50 P&P (UK)



Valve Amplifiers (second edition)
by Morgan Jones, Audio Engineer
This book allows those with a limited knowledge of the field to understand both the theory and the practice of valve audio amplifier design, such that they can analyse and modify circuits, and rebuild an amplifier. Constructional techniques are also provided so readers can build from scratch designs that actually work.
488pp 6" x 9 1/4" Paper back
Code No. 1330
£25.99 + 3.50 P&P (UK)



The Best of Audion editorial projects
by Luciano Marci
This book contains six excellent audio projects: a high sensitivity speaker, a superb tube pre-amp a 2A3 amplifier design, a project using the Russian 6C33CB and two projects using 300B as output valves. Overall the book is a fabulous read.
62pp, paper back
book code 1750
£12.00 + £2.00 UK p+p

World Audio Library

TITLES ON OFFER!!!

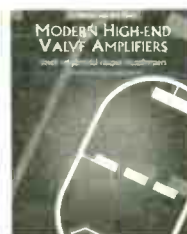
Manuale HI-FI a valvole Schematico 2°

An Italian publication with all circuit diagram in standard conformation, therefore, all circuits are easy to follow. This book is dedicated to self makers and to Hi-Fi tube engineers. With a wealth of circuit diagrams from some of the best valve amplifiers, pre-amplifiers and phono equipment producers in the world. Including, Audio Research, Altec, Conrad Johnson, Art Audio, Luxman, Carver, Dynaco, Electrovoice, Leak, MacIntosh, Marantz, Quad, Radford, Quick Silver, numerous OTL designs, Verdier, VTL and Western Electric. Well worth the money.
208pp, 210mm x 300mm Paperback
Code No. 1720
£44.00 + £4.00 P&P (UK)



Getting the most out of Vacuum Tubes

By Robert B. Thornton
 From the cover, "Types and causes of tube failures, what to expect from tubes, testing methods and all about tube maintenance programs." This book is intended to offer explanations of why tubes fail and what to do about it. Discussions of catastrophic and degenerative failures; selecting tubes and tube types and testing and predicting tube performance.
160pp 140mm x 216mm
Paperback,
Code No. 1710
£13.95 + £2.00 P&P (UK)



Modern High-End Valve Amplifiers Based on Toroidal Output Transformers

By Martin van der Veen
 Explains the why and whereof of toroidal output transformers at various technical levels. Discussed extensively within this book are designs for amplifiers from 10 to 100 watts. Finally, the author gives some attention to a number of special valve amplifiers, and to the theory and practice of negative feedback.
250pp 170mm x 240mm
Hard back
Code No. 1670
£24.95 + £2.50 P+P (UK)

First in High Fidelity The Products and History of H. J. Leak & Co. Ltd.

This book is the unique and comprehensive story about one of the world's best high-fidelity audio companies. Contained are 300 pictures, 30 circuit diagrams for classic designs of the day. There are also numerous anecdotes and contributions from ex-employees. A wonderful historical read.
270pp 195mm x 264mm Paperback
Code no. 1740
£19.95 + £3.25 p+p UK



Basic Theory and Application of Electron Tubes

A US Army & Navy Publication
 This book is an excellent introduction into valves. It does just about everything its title suggests. Written in 1957 it was used by the US military as a text book in their electronics department. Superbly written it contains all you need to know.
215pp
200mm x 260mm Paperback
book code 1760
£17.95 + £3.25 P&P (UK)



Sylvania Technical Manual

By Sylvania Electronic Products Inc.
 This 13th edition contains data on more than 3300 electron tubes and semiconductor devices. Reprinted here without the TV picture tube section, this manual contains detailed information on Sylvania's devices including charts and diagrams. A master index is found in the front of the book for reference.
516pp 140mm x 216mm Paperback
Code No. 1700
£16.95 + £3.50 UK p+p

LOUDSPEAKER BOOKS

Testing Loudspeakers+

By Joe D'Appolito
 Joe D'Appolito, loudspeaker designer and consultant, has written the definitive text on testing loudspeakers. Dr D'Appolito brings his expertise to the subject and provides you with a hands-on discussion of testing drivers and systems. He brings you the theory and physics behind loudspeaker testing in this volume.
Paperback
Code No. 1580
£24.95 + £2.50 P&P (UK)



Electrostatic Loudspeaker Design and Construction

By Robert D. Thornton
 Step by step guide to the design and construction of a full range electrostatic loudspeaker, including basic operating principles. Strongly recommended for those wanting to either build, repair and/or restore, or who are just interested in electrostatics.
243pp 7" x 9 5/8" Paperback
Code No. 1080
£16.95 + £3.25 P&P (UK)

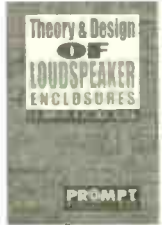


The Loudspeaker Design Cookbook, 6th edition (new)

By Vance Dickason
 This best seller offers up-to-date design information for the home constructor. It uses modern Thiele-Small theory and parameters.
288pp 8 1/2" x 11 1/2" Paperback
Code No. 1090
£29.50 + £4.00 P&P (UK)

Bullock On Boxes

By Robert M. Bullock II
 Using Thiele-Small parameters clearly, it offers lots of helpful tables and graphs to get grips with the sizing of the box and port of a reflex loudspeaker.
72pp 8 1/2" x 11" Paperback
Code No. 1100
£12.95 + £2.00 P&P (UK)



Theory and Design of Loudspeaker Enclosures

By J. B. Womersley
 Covers infinite baffle, reflex, passive radiator etc. in great detail with a highly mathematical approach, making it unsuitable for beginners but highly authoritative for experienced designers.
244pp 6" x 9" Paperback
Code: 1140
£23.95 + £2.50 P&P (UK)

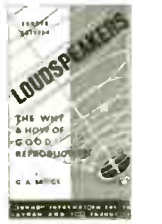


Horn Loudspeaker Design

By Mr J. Dinsdale
 A collection of papers by Mr J. Dinsdale that discuss the design and theory of this wonderful breed of loudspeaker. The book contains detailed drawings of numerous designs, including some Lowther classics. Also, included with the book is a 3.5inch floppy disc with straight forward software to assist in the design process. A serious reference for those with an interest in horn speakers.
112pp paper back & 3.5 floppy disc
210mm x 300mm
Code: 1730
£29.50 + £2.50 P&P (UK)

Audio Amateur Loudspeaker Projects

A collection of the 25 best speaker articles published in the Audio Amateur throughout the 1970s, this popular book is proof that great designs are never out of date. This volume is a rich source of theory, practice and design.
135pp 8 1/2" x 11" Paperback
Code No. 1550
£16.95 + £2.50 P&P (UK)



Loudspeakers: The Why and How of Good Reproduction

By G. A. Briggs
 An easy to understand book on building loudspeakers, using empirical techniques that pre-date computer analysis. Strongly recommended for beginners.
88pp 5 1/2" x 8 1/2" Paperback
Code: 1070
£10.95 + £1.50 P&P (UK)



Acoustics & Psychoacoustics 2nd Edition

By Daniel M. Greenberg & James A. Morgan
 An introduction to acoustics, covering human perception of sound, notes and harmony, musical dynamics, timbre of musical instruments, acoustic model for musical instruments, hearing music in different environments, deceiving the ear and processing sound electronically.
224pp 244 x 189mm
paperback
Code: 1370
£29.99 + £3.50 P&P (UK)

ORDER FORM

Please send (Code No.) _____ (enter codes clearly)
 Pay: World Audio Publishing Ltd. £ _____ or debit my Mastercard/Visa/Switch/Solo (Card No) _____
 Expiry date: _____ (Switch/Solo only) Valid Date: _____ Issue No. _____ Name: _____ Signed: _____
 Delivery Address: _____
 Tel: (Day) _____ Please return to: W.A.P. Ltd. 12A Spring Gardens, Newport Pagnell, Milton Keynes, MK16
 0EE, ENGLAND TEL/FAX: 01908 218836 **ORDER ON LINE** Website: www.worldaudiodesign.co.uk E-Mail: nick@worldaudiodesign.co.uk
 Please contact us for overseas P&P charges. Allow 28 days for delivery. All orders subject to availability. If further space is required please attach separate sheet.
 TICK BOX IF YOU HAVE ORDERED BEFORE

ORDER 4 BOOKS & OVER & PAY ONLY £7.00 FOR P&P (UK ONLY)

Oxford Audio Consultants Ltd.

OUR SUPERB SERVICE IS THE SAME REGARDLESS OF PRICE



Now Demonstrating



Ex-Demonstration & Previously Owned Equipment

SALE LIST - January 2002

MICHELL GYRO SE AS NEW	£650	SH
SME 309 ARM AS NEW	£625	SH
NAIM 135 MONO POWER AMPS	P.O.A.	
NAIM 82 PREAMP	£1595	SH
NAIM 250 POWER AMP	£1195	SH
NAIM AUDIO 72/140	£ 795	SH
NAIM SBL SPEAKERS ACTIVE	P.O.A.	
NAIM 90.3 POWER AMP	£ 350	SH
MARANTZ CD17 KI SIGNATURE	£795	SH
CHORD CPA3200 PREAMPLIFIER	£2695	SH
COPLAND CDA288	£895	SH
COPLAND CSA 8 AMPLIFIER	£799	XD
COPLAND 266 CD PLAYER	£795	SH
DYNAUDIO CONTOUR 3.0 ROSEWOOD AS NEW	£1995	SH
AUDIO ANALOGUE BELLINI PREAMP SILVER	£325	SH
LINN LP12/LVX	£295	SH
JADIS ORCHESTRA CD PLAYER EX DEM	£695	XD
KRELL KPS20i DELTA 09	£4500	SH
KRELL KAV300C'D AS NEW	£2795	SH
KRELL 250P PREAMPLIFIER	£1795	XD
KRELL 300CD	£2295	SH
KRELL KAV300C'D CD PLAYER	£1795	SH
KRELL 300i AMPLIFIER	£1795	SH
AUDIO RESEARCH LS9 PREAMPLIFIER	£1095	SH
AUDIO RESEARCH VT50 POWER AMP AS NEW	£1995	SH
AUDIO RESEARCH D130 POWER AMPLIFIER EX DEM	£1295	XD
AUDIO RESEARCH D100.2	£2995	XD
THETA PROGENY	£595	SH
LOEWE PLANUS 32" WITH CABINET ARCTIC EX DEM	£1350	XD
ARCAM 290 P POWER AMPLIFIER	£250	SH
PATHOS ACOUSTICS TWIN TOWERS AMPLIFIER	£2295	SH

0% INTEREST FREE CREDIT

Licensed Credit Broker

REFER TO OUR WEBSITE FOR THE LATEST UPDATED SALE LIST.

Agencies include: Acoustic Energy, Alphason, Alcatama Audio Analogue Audio Research, Beyer, BOSE, Castle, Chord Company, Copland, Creston, Demon, Diapason, Dorn Electronics, Emileem, Fujitsu, GM Audio, Goldring, Graf, Integra Systems, IKOS, Jades, Jamo, Kef, Koetsu, Krell, Lexicon, Loewe, Linn Video, Linn Classic, Lyra, Marantz, Martin Logan, Michell, MRS Multiroom Systems, Musical Fidelity, NAD, Naim, NEC Gas Plasma Screens, Nakamichi, Nordost, Onkyo, Opera, Ortolon, Parasound, Pioneer, ProAc, Project Turntables, QED Multiroom, Quad, Quadraspe, REL Subwoofers, Rotel, Sennheiser, Sharp LCD TVs, SME, Sonus Faber, Sonus Systems, SoundStyle, Standesign, Strands Unique, Sitar, Stewart Screens, Tag McLaren Tannoy, Teac, Theta, Transparent, Unison Research, Van den Hul, Vibe Acoustics subwoofers, Videologic, Vienna Acoustics, Wilson, Yamaha

TAX-FREE EXPORT SERVICE
MAIL-ORDER AVAILABLE ON MANY ITEMS

Cantay House, Park End Street
Oxford OX1 1JD

Telephone: Oxford (01865) 790879

Facsimile: Oxford (01865) 791665

E-MAIL: Oxford.Audio@btinternet.com

WEBSITE: www.oxfordaudio.co.uk

V.A.T. No.
729580013



QUALITY USED
EQUIPMENT,
BOUGHT, SOLD,
PART EXCHANGE

TEL/FAX
0121 747 4246



URGENTLY REQUIRED
LINN, NAIM,
MERIDIAN, QUAD,
CASH WAITING

	RRP	NOW £
ACCUPHASE DP70V DIGITAL VOLUME	5500	1995
ART AUDIO DIAVLO 300B SE CHROME & GOLD POWER AMP	4500	1695
ATC SCM 50 ASL ACTIVE BLACK ASH	7000	3495
AUDIO LAB 8000C	N/A	150
AVI S2000 PRE	900	395
BASIS 1400 REGA RB300	1300	795
BOW TECHNOLOGIES WAZOO XL INTEGRATED AM	2500	1495
CAL CL15 hddc digi vol bal NEW SEALED BOX	2195	895
CAL DX-2 CD EX DEM	650	295
CAL ICON MK 11 CD EX DEM	1100	495
CAL ALPHA 20 BIT DAC VALVE EX DEM	1495	695
CAL SIGMA DAC VALVE EX DEM	1100	495
CHARIO SYNTAR 100 TOWER BLACK	450	250
COPLAND CTA 505 POWER AMP	1900	895
COUNTERPOINT BJOU-MYSTIC-ORPHEUM 5 SPEAKER SYSTEM	1500	295
DENSEN DP DRIVE PHONO STAGE	350	250
KRELL KPS 20i/L CD/PRE	11000	3995
MAGNUM DYNALAB MD10 VIRTUAL DECODER EX DEM	700	295
MAGNUM DYNALAB SIGNAL SLEUTH EX DEM	350	195
MARANTZ CD7	3500	2795
MARANTZ ST 17 TUNER	600	395
MARTIN LOGAN QUESTS OAK	5500	1795
MERIDIAN DSP 6000	11000	4995
MERIDIAN DSP 6000 CENTRE	6000	2495
MERIDIAN 861+ 1A00+VS00+1A30+SLOO+OD10 BOARDS	8000	4995
MIT 330 MK11 INTERCONNECT	300	150
MICHELL ARGO + HERA	N/A	395
MISSION 752 FREEDOM ROSEWOOD	800	295
NAIM SBL BLACK	2400	750
NAIM 82 + PHONO	2400	1695
NAIM 92	520	250
NAIM 90/3 X2	550	250
NHT 1.3A SPEAKERS PIANO BLACK EX DEM	500	295
NHT 1.1 SPEAKERS PIANO BLACK EX DEM	400	195
OPERA DUETTO CHERRY	430	250
ORANGE VALVE PRE MM PHONO	1700	595
PLINIUS 8150 150 WATT INTEGRATED MM/MC	1800	895
PRIMARE T20 TUNER	550	350
PROCEED AMP 2 (2 channel) THX	2000	995
PROCEED AMP 3 (3 channel) THX	3000	1495
QUAD 44 PRE BOXED SERVICED	N/A	195
QUAD FM4 TUNER BRONZE DIN	N/A	175
REVEL ULTIMA GEM PIANO BLACK + stands	8000	3500
ROKSAN XERXES ARTEMIZ ROSEWOOD	N/A	495
SIM AUDIO CELESTE 4000 INTEGRATED	1000	295
SONIC FRONTIERS ANTHEM INTEGRATED AMP 2	200	995
THETA PRO PRIME 11	1600	595
VAN DEN HUL THE SECOND DIGITAL XLR	150	75
VAN DEN HUL REVELATION HB 2X 1.5 PAIR	800	395
WILSON BENESCH ACT ONE CHERRY	7000	4750
XLO 4.1 SIGNATURE DIGITAL CABLE RCA	325	175

OPEN MON-SUN 10.00 TO 8.00
Website: www.centralaudio.co.uk
E-mail: tony@centralaudio.co.uk



HEATHERDALE AUDIO LTD.



202 FINDON ROAD, WORTHING, WEST SUSSEX. BN14 0EJ
TEL. 01903-872288 OR (AFTER HOURS) 07860 660001 FAX. 01903-872234
e-mail: heatherdale@hifi-stereo.com // www.hifi-stereo.com

BRAND NEW TONEARMS Eminent Technology Air Bearing Tonearm Normal Price £2500 Our Price (standard) £1495

HEATHERDALE PRE-OWNED GUARANTEED EQUIPMENT EXPORT FACILITIES AVAILABLE

SPEAKERS

Quad ESL63 Speakers with Stands	£1395
Audio Note AN E/SP Walnut Finish Speakers	£995
Dynaudio Audience 10 Speakers	£195
John Bowers Active Speakers	£695
KLH Speakers	£195
Mission 782 Loud Speakers (Stand mount model)	£250
Selection of Thiel ex Demo Speakers. All with 10 year guarantee	£phone
MAIN DEALER FOR ORCHID SPEAKERS	£phone

PRE AMPS

Mark Levinson ML 28 Pre Amp with Phono Stage	£1295
EAR 864 Pre Amp	£1195
NAD 114 Stereo Pre-Amp	£99
Perreux SM6P Pre-amp 350P Power Amplifier	£2750
Naim NAC 42.5 Pre-Amp	£150

ALL USED CARTRIDGES ARE CHECKED UNDER A MICROSCOPE BEFORE BEING OFFERED FOR SALE.

MUSICAL FIDELITY MVT Pre Amplifier with Phonostage + PSU

Musical Fidelity "The Pre-amp"	£175
Classe Audio DR6 Pre-Amp with PSU & Phono Stage (cost new £3900)	£1995

AMPLIFIERS

Mark Levinson ML9 Power Amp	£1995
Audio Note Neuro Power Amp	£5495
Perreux SM6P Pre-Amp 350P Power Amplifier	£2750
Naim 120 Power Amplifier	£175
Rogers E40a Integrated Amplifier with phono-stage (NEW)	£995
Exposure 11/12/Super 8	£995
Audio Research VT60 Power Amp	£1295

CD PLAYERS & TRANSPORT

Rotel BX 970 CD Player	£130
Teac VRDS 9 CD Player (mint)	£650

DACS

Mark Levinson ML30 6 Reference DAC (ex demo)	£90A
--	------

MISCELLANEOUS

Luxman K351 Cassette Deck	£271
---------------------------	------

£495 Luxman K331 W Cassette Deck	£150
£175 Beyer 811 Headphones	£110
£1995 Audio Note AN57 MC Transformer with Phono-Phono Stage	£8495

TURNABLES, CARTRIDGES & TONEARMS

£425 VPI HW 16.5 Record cleaning machine (new)	£425
£895 Michelle Gyro Deck with out-board power supply	£895
£99 Project Debut Gloss Black Turntable	£99
£1995 Koetsu Urushi Cartridge (unused)	£1995
£4495 Koetsu Itoigawa Diamond Cartridge (unused)	£4495
£995 Helius Silver wired tonearm	£995

BRAND NEW BOW WAZOO
INTEGRATED AMPLIFIER NORMAL PRICE £2500 OUR PRICE £1995

NOW DEMONSTRATING THE MARK LEVINSON 389 INTEGRATED AMP

WE NOW OFFER 0% FINANCE (subject to status)
PLEASE PHONE TO ARRANGE AN AUDITION
MAIN DEALERS FOR MARK LEVINSON, THIEL, AND ABSOLUTE SOUNDS

VISA - SWITCH - MASTER CARD - AMEX - DINERS CLUB W/! COME!
WE TAKE PART EXCHANGE ON NEW & USED STOCK AND BUY IN FOR CASH



Soundcraft HiFi.com

At 40 High Street, Ashford, Kent. TN24 8TE

SPECIAL CLEARANCE SALE March 2002

Hi-Fi Separates (! = Ex - demonstration)

B&W 601 S2 speakers	£199!	Linn 5105 Power Amp	£899!
Castle Richmond ant/oaK	£199!	Marantz PM6010K1 Amp	£299!
Castle Severn 2's (Birch)	£499	Marantz DR4050 CD recorder	£249!
Castle Harlechs ant/oaK	£850!	M/F A3 Amplifier	£599
Castle Harlech (cherry)	£700!	M/F X-A1 Amp	£399!
Chario Syntar 100 speakers	£149!	M/F X-PLORA Tuner	£399!
Jamo Concert Centre	£349	Michell Prisma Turntable	£1000
KEF Q-35 (apple) I	£299	Naim CDS and CDPS	£2995
KEF Concerto 1	£399!	Naim NAC-62/ NAP 90/3	£499
Linn Index II's + Stands	£199	Nakamichi MB-10 CD	£399!
Linn Karik CD	£599	Rega Planar 25 Table & Cart	£550
Linn CD-12 I	£7995	Ruark Solus speakers rosewood	£899!
Linn Mimik CD	£499	Ruark Dialogue Centre	£250!
Linn Axis Turntable	£250	Yamaha MDX 596 mini Disk	£150!

Our exciting range includes: Arcam, DiVA & FMJ, Chord Electronics, Linn (CD12), Naim (NAP 500 & NBL), Rega, Musical Fidelity, Denon, Yamaha, Rotel, B&W Nautilus, PMC, Ruark, Castle, Kef, Loewe TV, Pioneer Plasma, Sim 2 DPL!
HOTLINE: 01233 624441 Fax: 01233 640333.

AV Separates (! = demonstration)

Arcam AVR 100 Receiver	£650	Pioneer NS-DV1 DVD System	£999!
Arcam FMJ A-22 DAVE Amp	£1499!	Pioneer XV-DV55 + S-59 spkrs	£649!
Denon AVR-2801 AV Receiver	£399!	Pioneer VSX-859 THX Rcr	£599!
Denon DVD 5000 DVD player	£799!	Sony DVPS 335	£199
Lexicon DC-1 Processor	£1999	Sony DVP S-7700 DVD player	£599!
Naim AV-1 Processor	£650	Yamaha DVD-S510 zone free	£199!
Nakamichi 10-S DVD player	£449!	Yamaha DSP E 800 processor	£279!
Pioneer DV-535 DVD zone free	£199!	Yamaha AX-1 Amplifier	£199!

Check our web site: soundcraft.hifi.com

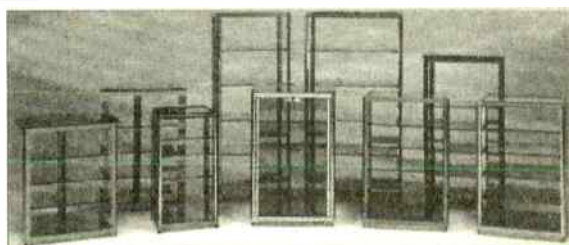
Sound Investment

If you have invested expertise and money in building up a sound system to your own unique specifications, then why compromise with indifferent housing units?

Fi-Rax offers a new dimension in audio visual racking - from a range of standard designs to the flexibility to custom create a unit to suit your particular sound system and lifestyle.

- *High quality aluminium construction.
- *Finishes available to your choice
- *Fully adjustable 6mm glass shelving.
- *Sound isolation on shelving/feet.
- *Custom created to suit your system.
- *Free delivery throughout the UK.

Fi-Rax - a sound investment for those who want the best from their equipment.



Audio Visual Furniture

For further information or a free brochure contact: JEM Distribution, Springfield Mills, Spa Street, Ossett Wakefield WF5 0HW.
Tel: 01924 277626 Fax: 01924 270759

Are you making the right connections?

Send for Britain's biggest catalogue of specialist cable and connections.

All available by mail order.
Phone 020-8942 9124 or clip the coupon for your Free copy
www.custom-cable.co.uk

CUSTOM CABLE SERVICE

PO Box 4007, London SW17 8XG

Please send me your FREE Custom Cable Catalogue

Name _____

Address _____

Postcode _____

NO FURTHER INFORMATION REQUIRED

Send to: Custom Cable Service
PO Box 4007
London SW17 8XG

HFV 03/02



S/hand and ex-demo clearance items - March 2002

	Was	Now		Was	Now
CD players DACs & Transports			Loudspeakers (con't)		
Audio Analogue Maestro CD Player Ex-Demo	1200	799	Robertson Audio DX7 Cherry Ex-Demo	995	599
Audio CDT Transport Ex-Demo	549	399	Sonus Faber Concerto Walnut S/H	950	650
Audio Note DAC 0 Ex-Demo	449	299	Totem Tabu Mahogany Ex-Demo	2300	1599
Naim Audio CDI Integrated CD Player S/H	1990	999	Totem Arro MKII Cherry New& Boxed	1095	849
Roksan DA2 DAC S/H	599	299	Totem Model One Signatures Cherry Ex-Demo	1695	1199
Roksan DS5 PSU S/H	579	325	Velodyne TX810MK2 Subwoofer S/H	695	349
Teac P700 Transport S/H	1099	699			
Turntables Tonearms & Cartridges			Cables & Accessories		
Audio Note IO Kondo Built S/H	2500	749	Bow Technologies Wand Remote (New&Boxed)	349	199
Basis 1400/RB250 (New & Boxed)	1300	899	G- Flex isolators (New & Boxed)	199	75
Conrad Johnson EV-1 Phono Stage Ex-Demo	1499	1349	Irem Esopwer Mains Filter 6 way S/H	400	299
EAR MC3 Transformer (3 Months old)	625	499	Goertz MI-2 2x6m Copper Ribbon Speaker S/H	650	399
Kuzma Stogi/Stabi S Turntable (New & Boxed)	1299	1099	Naim Audio 2x5m Speaker cables white S/H	N/A	45
Linn LP12/Lingo/Ekos S/H	3500	1299	Roksan HA01 1M Interconnect S/H	99	49
Linn Axis Turntable/K5S/H	N/A	249	QED Genesis Silver Spiral 2X 3 M S/HH	395	199f
Rega P3 Turntable S/H	298	199	Sound Style 4 Tier in Green S/H	325	159
Roksan Xerxes/Rega RB300 S/H	1000	450	Tara Labs Decade 1.5m RCA 75ohm Digital New	625	299
Roksan Xerxes/SME 309/DV17MK2 S/H	2000	995	Tara Labs Decade 1.5m AES/EBU 110 ohm Digital New	675	325
Roksan DS1.5 PSU Ex-Demo	695	499	Tara Labs RSC Air 1m AES/EBU 110 ohm Digital New	450	299
Transfiguration Sprit MKII (New& Boxed)	950	700	Tara Labs RSC Air 1m RCA 75 ohm Digital New	345	199
			Transparent The Wave 2X7m S/H	599	299
			XLO 2X7m Type 0.6 Speaker Cables Shotguned S/H	750	399
Preamplifiers			Tuners & Tape Decks		
Audio Note M Zero R Ex Demo	599	449	Audiolab 8000T Tuner S/H	850	499
Audio Note M Zero S/H	449	275	Magnum Dynalab FT-R Remote Switcher for FT101A/Etude (New&Boxed)	450	299
Audio Note M1 Phono Preamplifier S/H	750	449			
Conrad Johnson Premier 14 Ex-Demo	1999	1750			
Conrad Johnson Premier 17LS Ex-Demo	4500	3999			
Krell KAV-S Processor/Preamplifier DTS/AC3/Pro Logic S/H	14989	5999			
Mark Levinson No 25S Phono Stage S/H	5999	2999			
Roksan L1.5 Reference Line Preamplifier S/H	2250	1395			
Spectral DMC10 Phono Preamplifier	N/A	995			
Amplifiers			Clearance Items Under £100		
Accuphase E211v Integrated Amplifier New	1950	1499	Thorens TD125 Turntable S/H	N/A	99
Accuphase E307v Integrated Amplifier New	3295	2799			
Conrad Johnson MV 55 Valve Power Amplifier S/H	1995	1099			
Bow Technologies Wazoo XL Amplifier (New&Boxed)	2495	1950			
Conrad Johnson Premier 11 Power Amplifier (New&Boxed)	3695	2799			
Densen Beat 300 power Amplifier Ex-demo	795	599			
Electrocompaniet AW60 (New&Boxed)	999	699			
Golden Tube Audio SI-50 MKII Valve integrated (New&Boxed)	1100	699			
Graaf Venticinqe 25 Watt Integrated S/H	1795	995			
Roksan Rok S1.5 Power Amplifier S/H	1499	995			
Unison Simply 4 Valve Integrated Ex-Demo	1600	999			
Loudspeakers					
Audio Note AN-J D Blk S/H	985	499			
Audio Note AN- J Stands S/H	300	175			
Boston Acoustics VR 10 Centre Channel (New&Boxed)	250	175			
Boston Acoustic Lynfield Monitors inc Stands S/H	2000	995			
Infinity Outrigger jr Outdoor Speakers (New&Boxed)	249	129			
Jamo Concert 8 Mahogany S/H	1400	799			
Roksan Ojan 3X Rosewood S/H	1299	699			
ProAc Tablette 50 Signatures Curly Maple S/H	1295	750			

Midland Audio X-change are looking for Audio Research, Krell, Mark Levinson, Naim Audio, Theta, Wadia, cash paid call John Roberts on 01562 822236 now!



- Suppliers and installers of High Quality Audio Systems :
- 47 Laboratory : Graff
 - Accuphase : Gryphon
 - Audio Note : Lavardin
 - Audio Research : Mark Levinson
 - Avid : Martin Logan
 - Basis : Michell
 - Cabasse : Nagra
 - Cardas : Primare
 - Clearaudio : ProAc
 - Conrad Johnston : Rega
 - Copland : Resolution Audio
 - Dcs : Sonus Faber
 - DNM / Reson : Spectral
 - Einstein : SPM
 - Electrocompaniet : Sugden
 - Final : UKD
 - Finite Elemente :

www.midlandaudiox-change.co.uk

call John Roberts Tel / Fax 01562 822236

181 Franche Rd • Kidderminster • Worcs • DY11 5AD

e-mail sales@midlandaudiox-change.co.uk

Mobile 07721 605966

Midland Audio X-change is looking for good used British & American Hi-Fi
cash paid call John Roberts on 01562 822236

SUBSCRIPTIONS

JK Subscriptions
£27



offer ends
28th
February
2002

Special offer

upgrade your system with Origin Live's high performance

INTERCONNECT CABLES

offer open to new & existing Hi-Fi World magazine subscribers and visitors to the Bristol Hi-Fi Show 2002

Full money back guarantee if not satisfied

SAVE UP TO £60.00 PER PAIR

LAMINAR FLOW ULTRA INTERCONNECT

Normally £85 per pair

Show offer - £30 off at £55

LAMINAR FLOW REFERENCE INTERCONNECT

Normally £159 per pair

Show offer - £60 off at £99

**THESE NEW AND INNOVATIVE CABLES
HAVE BROUGHT INSTANT RECOGNITION
- HIGHLY RECOMMENDED & USED BY REVIEWERS**

OVERSEAS SUBS RATES

Airmail Middle East & South-East Asia	£60	Airmail Europe	£50
Airmail USA, Canada, Australia, Japan, Korea & China	£70	Surface Mail	£40

Credit Card Hotline Monday - Friday 9.30am - 12.00 noon: Tel: +44 01923 270 833 Fax +44 01923 260 588

By post: Make cheque or postal order payable to: Audio Publishing Ltd, sent in an envelope marked: Hi-Fi World, Freepost LON3478, London, NW6 6YR

HI-FI WORLD SUBSCRIPTION FORM

I would like to pay by cheque made payable to Audio Publishing Ltd. Credit Card Airmail Surface Mail

Please debit my VISA/MASTER/SWITCH Card No. (Switch card issue No _____)

Expiry Date: _____ Cardholder Signature: _____



Name _____
 Address _____
 Post Code _____
 Daytime Tel: _____
 Start Issue _____

CABLE ORDER

Send Laminar Flow Ultra Interconnects at £55 per pair including carriage:-

No of pairs = _____ TOTAL = £ _____

Send Laminar Flow Reference Interconnects at £99 per pair including carriage:-

No of pairs = _____ TOTAL = £ _____

AUDIOJUMBLE

"2002"

Tenth Year Anniversary Special

Vintage valve amplifier display

ANNUAL SALE OF VINTAGE AND MODERN HI-FI EQUIPMENT AT:- THE ANGEL LEISURE CENTRE TONBRIDGE, KENT.

SUNDAY 17TH FEBRUARY 2002
10.30AM - 4.30PM

STALLS £25-00 ADMISSION £3-00
9:30am Early Entry £10-00
BOOKINGS/ENQUIRIES 01892-540022

LARGE CAFETERIA SERVING HOT AND COLD MEALS ALL DAY
MAIN LINE RAILWAY STATION WITHIN WALKING DISTANCE

* VALVE AMPS * TUNERS * RECORDS *
* SPEAKERS * COMPONENTS *
* BOOKS * CASSETTE DECKS * C.D. PLAYERS *

www.audiojumble.co.uk

WILLIAMS HART ELECTRONICS

HART ELECTRONIC KITS TRADED FOR OVER 30 YEARS



NEW LAYOUT

80Watt Mosfet Stereo Power Amp Kit
110Watt Mosfet Mono-block Power Amp Kits

ONE OF THE BEST AMPLIFIERS YOU WILL HEAR! Regardless of price
ON DEMO @ Wigan, Southend, Peterborough and Burnley



Single Ended Class A Valve Sound

15Watt Power Amp modules
FOR THOSE WHO WANT THAT VALVE
MIDBAND BUT BASS AND TREBLE TO MATCH



ACTIVE RC Control SUBWOOFER MODULE £175.00



Range of speaker Kits
Passive and Active

Advertise your Hi-Fi on my website (FREE)

Also Award Winning Phono Stage Kit, Active Crossover Modules, Speaker Drive Units,
M-Cap Capacitors, Caddock Resistors, Remote Control Volume and much more

WEB SITE www.williamshart.com

e-mail: williamshart@classicfm.net

Tel/Fax for catalogue: 01947 253647

PERSONAL VISITORS SHOULD PHONE FIRST TO AVOID DISAPPOINTMENT

Run by former Technical Director of Wilmslow Audio



MUSICAL IMAGES

PRODUCT	HOUNSLOW	LIST	NOW
ACOUSTIC ENERGY AE 120SE Speakers	EX/DEMO	£600	£375
ACOUSTIC ENERGY AE 509 Speakers	EX/DEMO	£850	£425
DENON AVC-A1D Gold AV Amp	EX/DEMO	£2,000	£1,300
MARANTZ DV7000 DVD Player	EX/DEMO	£600	£325
MARANTZ PM6010OSE Amp	EX/DEMO	£230	£150
SONY MDSJB940 Black or Silver Mini-Disc Player	NEW	£330	£250
SONY STS3000ES Gold ES Tuner	EX/DEMO	£250	£150

PRODUCT	EDGWARE	LIST	NOW
DENON DVD3300 Black or Gold DVD Player	NEW	£650	£550
JAMO CONCERT 11 American Cherry Speakers	EX/DEMO	£2,300	£1,200
KEF TDM45 Subwoofer	S/H	£800	£550
MARANTZ DR6000 CD Recorder	EX/DEMO	£400	£300
MARANTZ PM17 Gold Amp	EX/DEMO	£1,000	£600
SONY DVPS435 Silver DVD Player	EX/DEMO	£300	£175
SONY MDSJB940 Black or Silver Mini-Disc Player	NEW	£330	£250
SONY SCD-XB940 Black Super Audio CD Player	EX/DEMO	£550	£325

PRODUCT	COVENT GARDEN	LIST	NOW
CASTLE SEVERN2 Speakers	EX/DEMO	£700	£300
DENON AVR3300 AV Receiver	EX/DEMO	£800	£475
DENON DVD3300 Black or Gold DVD Player	NEW	£650	£550
MUSICAL FIDELITY XP100 Pre AMP	EX/DEMO	£800	£640
PRO-AC RESPONSE 3.8 Cherry Speakers	EX/DEMO	£3,990	£2,800
ROKSAN CASPIAN DSP DSP Processor	EX/DEMO	£1,295	£600
SONY SCD-XB940 Silver Super Audio CD Player	EX/DEMO	£550	£325
THORENS TD166 MK6 Turntable, Arm & Cartridge	S/H	£500	£350

PRODUCT	BECKENHAM	LIST	NOW
CHORD GPS3200 Silver Stereo AMP	EX/DEMO	£4,040	£3,200
CHORD DSC1100 Silver DAC Inc Trigger	EX/DEMO	£2,815	£2,300
CYRUS AVMASTER+ Processor	EX/DEMO	£800	£200
DENON DVD3300 Black or Gold DVD Player	NEW	£650	£550
MARANTZ CD17 Black CD Player	EX/DEMO	£800	£500
MARANTZ CD17KI Gold CD Player	EX/DEMO	£1,200	£750
MUSICAL FIDELITY XA-1 Amp	EX/DEMO	£480	£350
SONY MDSJB940 Black or Silver Mini-Disc Player	NEW	£330	£250

ALL BRANCHES KEF REFERENCE SPEAKERS SPECIAL OFFER

MODEL 1-2 Black/Cherry/Rosenut/Rosetta Burr	NEW	£1,350	£1,000
MODEL 2-2 Black	NEW	£1,750	£1,400
MODEL 3-2 Black/Albina Burr/Classic Rosewood	NEW	£2,750	£2,000
MODEL 4-2 Black/Cherry/Rosetta Bur	NEW	£3,650	£2,800

PLEASE VISIT OUR SHOWROOMS
OR CALL OUR HOTLINE
NUMBER FOR DETAILS. HURRY, MANY ARE
ONE-OFF ITEMS!!

SEE IT! HEAR IT! BUY IT!

Beckenham
126 High Street
Beckenham, Kent
BR3 1EB
Tel: 020 8663 3777
Fax: 020 8663 3555

Covent Garden
18 Monmouth Street
Covent Garden
London, WC2H 9HB
Tel: 020 7497 1346
Fax: 020 7497 9205

Edgware
173 Station Road
Edgware, Middlesex
HA8 7JX
Tel: 020 8952 5535
Fax: 020 8951 5864

Houslow
45 High Street
Houslow, Middlesex
TW3 1RH
Tel: 020 8569 5802
Fax: 020 8569 6355

E-Mail: sales@musical-images.co.uk

NOT VALID WITH ANY OTHER OFFERS OR PROMOTIONS E&OE

We are best known for our single-ended 300B power amplifiers and power supply upgrades for valve amplifiers, but did you know that we supply complete systems, new and used equipment, and components? We also provide support and servicing for Audio Innovations valve products. For full information visit www.borderpatrol.net or ring 01273 276716.

passion, grace & fire

www.borderpatrol.net

Selected products from:

BorderPatrol • Living Voice • SME • Audio Note • Cartridge Man • Goldring
Western Electric • Electrofluidics

BorderPatrol Brighton UK
Tel/Fax +44 (0)1273 276716
e-mail: bp@borderpatrol.net
www.borderpatrol.net



BorderPatrol



MUSONIC STYLI

**SPECIALIST MANUFACTURER &
SUPPLIER FOR MORE THAN 40 YEARS**

REPLACEMENTS & ORIGINALS

MANY OBSOLETE/78 VERSIONS

PICK-UP CARTRIDGES

RECORD/TAPE/CD ACCESSORIES

**WHY NOT TRY US AND HEAR THE
DIFFERENCE !!**

NAGAOKA CARTRIDGES NOW IN STOCK

For further information tel/fax/e-mail to:-

MUSONIC (UK) LIMITED
Unit 13 Wenta Business Centre Colne Way
Watford Hertfordshire WD24 7ND

Tel: 01923 213344 Fax: 01923 213355
E-mail: sales@musonic.co.uk

VISIT OUR NEW WEBSITE
www.musonic.co.uk

Trade and Export enquiries welcome



PROGRESSIVE AUDIO



2 Maryland Court, Rainham, Kent, ME8 8QY
Telephone / Fax No. 01634 389004

WEBSITE: www.progressiveaudio.co.uk E-MAIL: dave@progressiveaudio.co.uk

We have the following ex demonstration and part exchange items for sale :

- ANTHEM (by Sonic Frontiers) amp 2 (silver) Mint £1200 S/H
- FINAL 0.3 Hybrid loudspeakers (cherry) mint £1150 S/H
- DNM series 3 pre amp with twin power supply £750 S/H
- PROJECT perspective turntable £650 Ex Dem
- ALON Lil Rascal loudspeakers £325 Ex Dem
- VAN DEN HUL the second i/c cable 1m £165 S/H
- PROAC Response 1 SC loudspeakers. Black. With Target R stands. Mint. Boxed. £1050. S/H.
- THETA D5 pro progeny DAC. Mint £850 S/H
- ALPHASON SONATA (Black)/HR100MCS/Atlas p/s £725. S/H
- LFD LS1 Line stage. £525. S/H
- REGA Jupiter /lo CD Transport and DAC with digital interconnect. £795. S/H.
- VERITAS H3 Horns. Piano black. As new. £4600. X/D.
- VERITAS 20'S. Piano Black. With stands. As new. £1250. X/D.
- BLACK Rhodium interconnect. 1.5m. Boxed as new. £795. S/H.
- ALON Petite loudspeakers. Walnut. As new. Boxed. £850. X/D.
- ALON 1 loudspeakers. Walnut. Excellent condition. Boxed. £795. X/D.
- ELEMENTAL Audio monolith. (£499) £300. X/D.
- ELEMENTAL Audio speaker stands (the best ever ?) £1500 new. £850. X/D.
- PRIMARE D30.2 CD player. £995. S/H
- MICHELL Argo HR Line pre amp. With Hera P/S. £650. X/D.
- MICHELL Iso HR phono stage. With Hera P/S. Excellent condition. £495. S/H.
- ORIGIN LIVE Sovereign loudspeakers. Cherry. Good condition. £650. X/D.
- ACOUSTIC SOLUTIONS "Eight" loudspeakers. Oak. As new. With stands. £1200. X/D.
- LINN Kaber loudspeakers with stone stands. £825. S/H.
- JEFF ROWLAND Model 2 power amp with BPS 2 battery power supply plus SYNERGY 11 pre amp. £6000. S/H.
- AUDIONOTE AN-KSp speakers (Oak) with matching Audionote stands. £725. S/H.
- REGA EOS m/m +m/c phono stage. £250. S/H.
- CASTLE Harlech speakers (Natural Oak) Mint. Boxed. £525. S/H.
- AUDIONOTE AN-SPx reference speaker cables. 7 ft bi-wire set. £1650. S/H.
- MERIDIAN 500 transport/563 DAC £1500. S/H
- NAIM SBL loudspeakers. latest drivers + gaskets £950.00 S/H
- AUDIO MECA Mephisto CD drive Mint. Boxed £1250. S/H
- SUGDEN AU51 DAC Mint. Boxed. £750. S/H

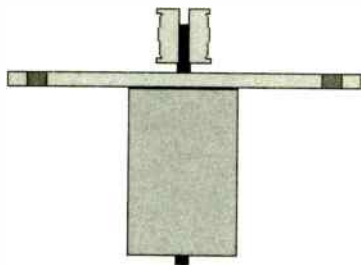
**NOW ON PERMANENT DEMONSTRATION THE SUGDEN
MASTERCLASS INTEGRATED AMP AND CD PLAYER,
RED ROSE ROSETTA AND ROSEBUDS, MOON
ELECTRONICS, VELODYNE SUBWOOFERS, WADIA CD
PLAYERS, AUDIO ANALOGUE MAESTRO CD PLAYER
AND AMP MUSICAL FIDELITY 3D CD PLAYER, LIVING
VOICE AND AUDIO PHYSICS LOUDSPEAKERS, AVID
TURNTABLES AND CHAPTER AUDIO POWER AMP**

UPGRADE YOUR TURNTABLE

"If you are thinking of upgrading your system...the Origin Live dc-motor kit should be high on your list for consideration" TNT AUDIO internet magazine April 2000.

"The single most important upgrade you can ever make to any record deck concerns the motor drive ...nothing can compare you for the shock of going DC, in a word Gobsmaacking" COMMON GROUND MAGAZINE

"Its value is nothing short of tremendous" LISTENER MAGAZINE



Whether you own a Linn Valhalla/Lingo, Rega or any other deck, the results of upgrading to the Origin Live dc motor and power supply are simply astounding. This high grade motor kit is designed as a drop in replacement for almost all turntable motors. Decks benefiting so far from this ultimate of upgrades include Linn, Roksan, Michell, Systemdeck, Rock, Rega etc. With a 12 Volt power supply it is safe and easy to fit. Guidance instructions are provided. At £262 with fully soldered and tested regulator board plus money back guarantee, this is a bargain out of all proportion to it's value in terms of performance. A larger purpose made transformer is also available as an optional extra at £175.

A new breakthrough cable design



LAMINAR FLOW ULTRA

"A high end sound with a sensible look and price tag"
HI-FI WORLD July 2001

"The Ultra's are a deeply satisfying musical product and supreme bargain"
Stereo Times August 2001

Laminar flow cable is a groundbreaking new design of cable. The "Ultra" version is guaranteed to outperform all other interconnects up to 4 times it's price and the "Reference" is a cable that reviewers use to judge other cables by, due to it's incredible transparency and musicality.

With a money back guarantee if not satisfied you have nothing to lose. Why not order a pair or see your local Origin Live dealer.

Advanced interconnect: £45 per stereo pair
Laminar flow Ultra Interconnect: £85 per stereo pair
Laminar flow Reference Interconnect: £159 per stereo pair

ORIGIN LIVE TURNTABLE KIT

Now you can save money and build your own high performance deck. The standard parts kit is offered at £282 and is complete apart from a plinth. The kit comes with a full set of drawings and guidance instructions. It allows for your creativity or there are optional parts that will enable you to assemble a tried and tested design within 1 - 4 hours. The optional parts include plinths for suspended and non-suspended designs along with sub-chassis etc. The optional parts upgrade the standard kit to high end performance levels and is probably the easiest kit you will ever make.

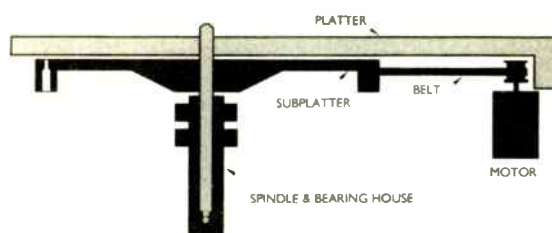
"this Vinyl front end had my jaw heading towards the floor with the solidity and transparency of the music it was making"...
"the standard came up with crystal clear images set in a broad sound stage"... "With all these goodies in place, the standard would give turntables at the £1200-£1400 mark a hard time."

HI-FI WORLD SUPPLEMENT

"is exceptionally easy to build and professional in both sound quality and appearance"

HI-FI NEWS SUPPLEMENT

In group comparison test of 8 turntables, WHAT HI-FI MAGAZINE stated "the origin live turntable is the best sounding deck here... if sonic ability is your top priority just go ahead and buy it... the origin live ultra sounds fantastic"(★★★★★)



TURBOCHARGING YOUR REGA ARM

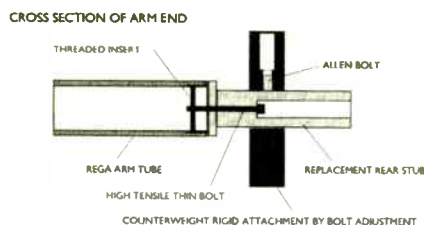
"Nothing less than total dynamite" HI-FI WORLD

If you are the proud owner of any Rega arm, why not utterly transform it into the league of super arms with the Origin live structural modification:- £75. This modification will enable your Rega to perform at a level exceeding that of arms costing over £1200.

Rewiring with high grade litz cable is also offered at an additional £70, and external rewiring is £70.

"I have to say the Rega modifications turn this humble arm into a real Giant killer. Gone is the rather grey, sterile sound of the cooking Rega. Instead, tonal colour is fresh, dynamics have great speed and impact, and the sound stage is huge." HI-FI WORLD SUPPLEMENT NOV 97 (structural modification to a RB250) WHAT HI-FI gave this modification a 5 star rating. ★★★★★

For arm modifications we normally return your arm in 2 - 3 days



FOR FULL INFORMATION SEE WEBSITE OR CONTACT:

Origin Live, Unit 5, 362b Spring Road, Sholing, Southampton, SO19 2PB Tel: 02380 578877 - Fax: 02380 578877

EMAIL: originlive@originlive.com WEBSITE: <http://www.originlive.com>

HEATHCOTE AUDIO

TEL: 01992 653999 MOBILE: 07860 511111 E-MAIL ADDRESS: HeathcoteAudio@aol.com

VALVE AMPS

JADIS J480 CLASS A MONOBLOCKS (WERE £10 000) RE-VALVED SUPERB
AUDIO RESEARCH L57 PRE AMP
COUNTERPOINT SA 20 VALVE HYBRID 2 X 200+ WATTS STEREO (BRIDGEABLE) 20FF VGC
AUDIOVALVE PFP-45 MONOBLOCKS
AUDIO INNOVATIONS SECOND AUDIO TRIODE MONO'S (2A3 VALVES)
CONRAD JOHNSON PV10-AL PRE AMP
AUDIO INNOVATIONS 500 INTEGRATED
AUDIO INNOVATIONS 300 INTEGRATED MM/MC PHONO (CREAM EXPORT CASE)
AUDIO INNOVATIONS 300 INTEGRATED (BLACK CASE)
AUDIONOTE OTO SE INC PHONO STAGE
AUDIONOTE M 1 PRE AMP (WITH PHONO STAGE) EX DIS
AUDIONOTE P 2 POWER AMP EX DIS
COPLAND CT 401 INTEGRATED INC PHONO STAGE
LUMLEY REFERENCE 120 MONOBLOCKS TRIODE SWITCHABLE
MONRIO ASTY VALVE PRE (VERY PRETTY!) NEW
CARY AE - ONE P LINE PRE AMP (EXPOSED VALVES)
ROTEL MICH1 RHC10 PASSIVE PRE
AUDIO SYNTHESIS PASSION PRE (BLACK MARBLE CASE)
MICHAELSON & AUSTIN/MORE TVA 1 KT88 POWER AMP CHROME CHASSIS
MODIFIED QUAD 11 EL34'S RECTIFIED PSU S ETC BUILT FROM NEW PARTS

SOLID STATE

ELECTROCOMPANET EC 1 REMOTE INTEGRATED (WITH PRE OUT) EX DIS
ELECTROCOMPANET AW 60 POWER AMP (60 WATTS CLASS A) EX DIS
SUSDEN AU-51F CLASS A POWER AMP (HIGH BIAS) EX DIS
AUDIOLAB 8000 MONOBLOCKS
AUDIOLAB 8000-C PRE AMP & 8000 P POWER AMP
AUDIOLAB 8000 S
ECA VISTA PRE AMP(SUPERB)
TAG MACLAREN 601 INTEGRATED FEW HOURS USE ONLY
EZO ARIA REMOTE INTEGRATED (VERY PRETTY!) AS NEW- FEW HOURS USE
EXPOSURE IV POWER AMP
MVA L2+ VERY HEAVY 100 WATT X 2 INTEGRATED VERY LITTLE USE
MUSICAL FIDELITY 3A PRE & 2X P140 POWER AMPS (MONO SWITCHABLE)
ALCHEMIST FREYA PRE AMP & 2 GENESIS MONOBLOCKS EXTREMELY RARE BEAUTIFUL
ROTEL MICH1 RHC10 PASSIVE PRE
MUSICAL FIDELITY P180
MUSICAL FIDELITY 3A PRE AMP (CHOICE OF 2 FROM)
MUSICAL FIDELITY MA50 CLASS A MONOBLOCKS
DENON 2500 DIGITAL PRE AMP (HAS ONBOARD DAC)
LINX STRATOS PRE AMP & 2X 120 WATT MONOBLOCKS M/MC ETC (VERY RARE/GOOD)
DPA ENLIGHTENMENT REMOTE PRE AMP (LIGHT DEM USE ONLY SUPERB)
TECHNICS SUC 2000 REMOTE PRE AMP/SEA-2000 POWER AMP VERY HIGH QUALITY
MAGNUM REFERENCE MP 125 PRE & 2 X MF125 MONOBLOCKS(140WATTS)
MUSICAL FIDELITY THE PRE AMP & 2 TYPHOON BRIDGEABLE POWER AMPS(BALANCED)
THRESHOLD FET 2 FR AMP
LINN PRETEK PRE AMP
LINN LK 1 PRE AMP + REMOTE
LINN LK 2 POWER AMP
ION SP1 PRE AMP & X PACK 2 SEPERATE POWER SUPPLY
MISSION 776777 BATTERY PRE & MATCHING POWER (VERY RARE INC MANUALS)
SONY SDP-EPHES DOLBY DIGITAL PROCESSOR AC-3 ETC
AUDIOGRAM P-1 W02 ITALIAN POWER AMP (2 X 45 WATTS)
ARCAM DELTA 290 REMOTE INTEGRATED

CD

MERIDIAN 200 TRANSPORT
AUDIOLAB 8000 DAC
AUDIONOTE CDT ZERO TRANSPORT EX DEM (£549 NEW)
AUDIONOTE DAC ONE 1-X 18 BIT 96KHz EX DEM (£749 NEW)
DPA PDM 2 LEGENDARY 2 BOX DAC (ONE OF THE LAST MADE WAS £2500)
AUDIONOTE DAC-1 EX DIS
DPA ENLIGHTENMENT DAC
DPA LITTLE BIT-2 DAC
THETA CHROMA 396 DAC HDCD
TEAC D TI DAC
MICROMEGA T DRIVE TRANSPORT & T-DAC (WAS £2080) PHONO&BALANCED
ROKSAN DP1 5 TOP LOADING TRANSPORT
ARCAM 8 CD PLAYER
ARCAM BLACK BOX 50 DAC
MERIDIAN 203 DAC
ORELLE DA 188 DAC
WOODSIDE DAC 1
PINK TRIANGLE ORDINAL DAC 7 (1307 FILTER)
MYRIAD T-10 CD PLAYER
ROTEL RDD 980 TRANSPORT
ROTEL RDP980 DIGITAL PROCESSOR
TECHNICS SLPS 900 REMOTE VOLUME ETC
ARCAM DELTA 70 2 CD PLAYER DIGITAL VOLUME OUT
ARCAM DELTA 170 TRANSPORT
ARCAM BLACK BOX 3 DAC
AMC CDBA BALANCED&PHONO OUTPUTS
PIONEER PD 9700
MUSICAL FIDELITY X 10D MISSING LINK

VINYL

TOWNSEND ROCK WITH FLUID DAMPER
PINK TRIANGLE PT TOO & PSU
LINN ITTOK LV11 (RARE BLACK MODEL)
HELIOS ORION 10 INCH TONE ARM
REGA PLANNER 2 RB250 ARMBIAS CARTRIDGE
STD 305M TURNTABLE & MAYWARE ARM
TECHNICS SL-110 CLASSIC TURNTABLE VGC
DAIS TURNTABLE (GOLD STUNNING LOOKS VERY RARE)
PROJECT 6 TURNTABLE & ARM NEW GOLDRING 1022 CARTRIDGE V G C
TOM EVANS MICROGROOVE LITHOS PHONO STAGE (£700)
DPA SDP 205 D MM/MC PHONO STAGE (VERY RARE)
COUNTERPOINT SA2 VALVE STEP UP SEPERATE PSU(WAS £1700 NEW)



RESERVE YOUR COPY TODAY!

Complete this form and hand to your local newsagent

Please reserve/deliver*(delete as appropriate)
Hi-Fi & Computer Audio World on a regular basis, commencing with the next issue, until further notice.

Name _____

Address _____

Signed _____ Date _____

LINN ASAKA
SHURE REALISTIC RX76 (EQUIVALENT V15 47) BRAND NEW
MISSION 773 LC MC VERY LITTLE USE
GOLDRING 1020 1022 ALL NEW STYLUS
DENON DL 103 USED TWICE
MARANTZ SX-72 DIGITAL SCRATCH SUPPRESSOR (DIGITAL OUTPUTS ARCHIVE DIRECT TO DAT) CD

LOUDSPEAKER

MISSION 753 FREEDOM SPECIAL PRIMEVERA FINISH 15 MONTHS OLD
B K S 11" MK 2 RIBBON HYBRID FLOORSTANDERS (HIGHLY REVIEWED)
AUDIONOTE ANE-SP SILVER WIRED BLACK ASH
AUDIONOTE ANE-SP AMERICAN OAK FINISH EX DISPLAY (NEW £3000)
SMELL TYPE E MK3 VERY RARE
CASTLE SEVERN 2
PROAC-3 STUDIO MONITORS (ATC DRIVERS) WALNUT
PROAC 2 MONITORS (ONE OWNER)
SD ACOUSTICS SD-OBS (SMALLER BROTHER TO SD-1 TRI-WIREABLE)
CASTLE EDENS
SPENDOR SP-1 WALNUT ONE OWNER FROM NEW
INFINITY REFERENCE STANDARD KAPPA 5 EMIT RIBBON TWEETER SANTOS ROSEWOOD
TANNØY ARDENS 15
TANNØY ARUNDEL 15" DRIVERS 92/95 DB SENSITIVE VERY RARE
TANNØY PAIR 12 HPD DRIVERS + CROSSOVERS
CELESTION 7000 4FT HIGH RIBBON TWEETER VERY RARE (WERE £1800+)
MIRAGE FXR-3 STANDMOUNT FEW HOURS USE ONLY
WILMSLOW AUDIO VORTEX VOI T DRIVERS PIANO BLACK EXT X OVER
KEF CONCERTO S
ROYD EDENS
PROAC SUPER TABLETTES
SPENDOR BC-1 CLASSIC BBC BASED SPEAKER

TUNERS /TAPE

LINX AUDIO THETA TUNER FULL WIDTH (WAS EXPENSIVE) VERY HIGH QUALITY
SONY ST 5E 300 TUNER AS NEW
HITACHI FT-5500 TUNER
SONY TCK 700ES CASSETTE LITTLE USED 3 HEAD SUPERB ES BUILD
NAKAMICHI DR 3
SONY TCC 785 2 REEL TO REEL 2/4 TRACK REPLAY 7.5&15 IPS (WITH REMOTE)
AWA HD S100 PORTABLE DAT MACHINE (REMOTE ETC)

RACKS/STANDS

SOUNDSTYLE XS 105 NEW STYLE (CURVED GLASS) 5 SHELF BLACK OR SILVER EX DIS
SOUNDSTYLE A/V TABLE SILVER EX DIS/NEW £150
TARGET 5 SHELF STAND BLACK GLOSS/SMOKED GLASS VGC £120
SOUND ORG Z545 NEW BLACK FINISH 500MM WIDE EX DIS £110
SOUND ORG Z540 NEW BLACK FINISH MIDI SIZE EX DIS £100
SOUND ORG Z516 GLOSS BLACK 400MM WIDE £80
KUDOS S507 18 INCH SPEAKER STANDS SAND FILLED NEW/BOXED £75
SOUNDSTYLE SELECT 4 PILLAR 22 INCH SPEAKER STANDS SATIN SILVER/BLACK
TARGET R1 21 INCH LOUDSPEAKER STANDS VERY HEAVY GC £175
ATTACAMA R724 ATTABITE (FEW WEEKS OLD WAS £250) MINT £175

SPECIAL OFFERS

SOUNDSTYLE SPEAKER STANDS SOLID PILLAR ATECAMA STYLE BUT HIGH GLOSS BLACK SILVER OR SATIN BLACK FINISH SAND FILLABLE 18 OR 24 LOOK SUPERB LIMITED NUMBER NEW/BOXED WHILE STOCKS LAST ONLY £75

CABLES

QED SILVER ANNIVERSARY AWARD WINNING BI-WIRE CABLE (LTD STOCK) £6.50. METRE

LOUDSPEAKER CABLE

CARDAS HEXLINK 2 METRE PAIR £325
GOERTZ M1-3 DIVINITY 2.5 METRE PAIR AS NEW/BOXED £395
LINN LK 400 2.5 METRE PAIR £75
DPA IS19 4.5 METRE PAIR £195
SILVER SONIC T 14 (AMERICAN) 2.4 METRE LENGTH GC £80
AUDIOQUEST INDIGO BLUE 3 METRE PAIR (BI-WIRE) £75

INTERCONNECT

DPA BLACK SLINK 6 METRE PAIR (BALANCED XLR) £650
DPA BLACK SLINK 1/2 METRE £80/95
LINDSAY AUDIOPHILE SATIN GRAY (AMERICAN NEW/PACKED WAS £480) £200
QED QUNEX SILVER SPIRAL 0.5 METRE PAIR (PACKAGED AS NEW) £65
AUDIOQUEST RUBY 1 METRE £50
VAN DEN HUL MCD 102 MK111 SPECIAL 1 METRE £60
QED 1 METRE INTERCONNECTS X 4 (THE LOT) £40
ROKSAN HDC 01A ANALOGUE INTERCONNECT 1 METRE PAIR £50
ROKSAN HDC 02A ANALOGUE INTERCONNECT 1 METRE £35
ROKSAN 001 ISODA 1 METRE £75
ROKSAN ISODA 1/2 METRE £50
YFERA 1.5 METRE PAIR £60

DIGITAL

SHARKWIRE BRAND NEW 1 X 3FT 1 X 2FT 2 X 1/2 METRE ALL NEUTRIK XLR BALANCED TERMINATIONS £200 THE LOT
VAN DEN HUL AES/EBU £40
AUDIOQUEST AES/EBU PRO £60
AUDIOQUEST OPTILINK X TOSLINK £40
AUDIOQUEST AES/EBU PRO BALANCED 14 INCHES £75
BELDEN-M DATATWISTER AES/EBU 1 METRE £65
AUDIOQUEST VIDEO LINK 0.5 METRE £25
QED QUNEX P-75 (1 METRE) £15
HIGH QUALITY OPTICAL CABLE AS USED BY DPA & MICROMEGA 1 METRE £25

MOST EQUIPMENT STOCKED IS ONE OWNER MINT/BOXED, SIMILAR QUALITY VINTAGE AND MODERN EQUIPMENT REQUIRED FOR IMMEDIATE CASH PURCHASE. PLEASE PHONE GEORGE

Distributed to the news trade by

COMAG
MAGAZINE MARKETING

THE EMPORIUM

Willow House, Rectory Road, Brome, Eye, Suffolk, IP23 8AH 3 miles from our old location
Tel/Fac:01379 870873 email:emporium@dircon.co.uk www.emporium.dircon.co.uk

WE HAVE MOVED * WE HAVE MOVED * * WE HAVE MOVED *

CD & DACD & DACS		COST	PRICE						
ALPHA 75E cd player		250		KEF 103.3	1200	400	NAIM 32/110	400	
ARCAM DELTA 170 TRANSPORT/BLACK BOX 5 DAC	1300	400		INN KANS mk1 with stands		250	NAIM 32.5 pre	175	
AUDIO ALCHEMY dac in the box DAC	250	180		LINN KEOSA boxed		350	NAIM 323 phono boards (for 42.32,62.72,nait 2) available 40/pair.523		
AVI 20 bit dac	1000	400		LINNAEUM corian speakers with superb ribbon tweeter,boxed	1800	800	boards 60/pair		
AUDION CD PLAYER serious bit of kit	5000	2000		INN ISOBARKS ACITIVE with NAXO 6.3		1000	NAIM NAP 250 old style	700	
COUNTERPOINT CD 10/11e transport and dac detailed	5000	1500		MONITOR AUDIO STUDIO 12 with plinths black ash,boxed	1200	600	NAIM 92/90 new styl	500	
COPELAND 288	2200	1250		MONITOR AUDIO 700 gold nice small speakers		700	NAIM NAP 135's pair old style	1350	
KRELL DSP top loading cd BIG SOUND	5000	1700		MONITOR AUDIO MONITOR 14 floorstanders		400	PASS LABS ALEPH 5 stereo class A power amp	3150	
Marantz CD 600 KI SIG (Champaign)		350		MORDAUNT SHORT 860 piano black floorstanders	1895	900	PASS LABS O monoblocks class A single ended 75 watts top of		
MERIDIAN 206 cd player	1000	350		MOREL BASSMASTERS	1300	600	the aleph range	8000	
MERIDIAN 208/209 CD/PRE with phono	1500	500		PROAC SUPER TABLETTES		275	Pink Triangle PIP one Preamp	500	
MERIDIAN S18 dac/processor/dig pre	1200	400		QUAD esi 57 shipping boxes 95 /pair		500	Pink Triangle PIP two 1 box Preamp	700	
MERIDIAN S00 transport		700		ROGERS LS 3/Sa 1Sohm		500	PIONEER C90/M90 pre/power	400	
MONARCHY DELUXE 188 dac with vol control NICE silver fronted	900	450		ROGERS STUDIO 9	1000	450	Procede 2 channel power amp	2500	
NAIM CD 3.5		700		RUARK CRUSADERS boxed	1500	700	QUAD 33/303	150	
NAKAMICHI DRAGON CD AND DAC another awesome sexy set. I was loath to see the last one go so I've got another to play with	8500	3500		RUARK TEMPLAR II	600	300	QUAD 33/405	250	
PINK TRIANGLE CARDINAL TRANSPORT and DA CAPO 18 bit dac	2500	1200		TANNNOY ARDENIS mk I with serviced 15" HPD	385	850	QUAD 44/405	400	
PIONEER PD9300 with cd turntable		150		TANNNOY BERKLEYS with 15" HPD		500	QUAD 34/306 grey	400	
PROCEED PDT2/PDP2 transport/dac	4000	1350		TANNNOY DC3000	600	250	QUAD 34 din sockets	150	
REGA PLANET original model		275		TANNNOY GRF cabinets repro pair in walnut		3000	QUAD 405 MK I 100 watts of power	180	
RESTEK MATINEE transport	2500	1000		TANNNOY T225 dual concentric 10" and Auxiliary bass radiator		250	QUAD 66 pre.606 MK I power amp	700	
SONY CD old style but with £600 of Audio synthesis mods.		350		TANNNOY 638 boxed floorstanders	800	350	QUAD 606 MK I	300	
SONY ES555 top of the range silver	1000	500		THOMAS TRANSDUCERS VIRTUOSO GOLD	3500	1750	SONUS FABER MUSICA Integrated Amp	2500	
WADIA VT2000/X64.4 transport/dac		2000		TOWNSEND GLASTONBURY'S mk1 serious speaker		600	SONY ESPRIT PREAMP TA-E86B mint boxed, beautifully made and versatile preamp	250	
VALVE AMPS				TUNERS, CASSETTE DECKS, REEL-TO-REEL					
AUDIO INNOVATIONS first audio monoblocks (6B4G), with Jensen paerin oil coupling caps		600		AKAI AT93L ref series tuner. shiny wooden side cheeks	150		SONY ESPRIT TA-E86B and matching power amp	450	
Audio Innovations LI		200		LEAK TROUHLINE III STEREO legendary tuner checked over by ourselves		120	SUGDEN A48 MK I with wooden sleeve very good condition	130	
AUDIONOTE M2 Phono full preamp	1700	700		LEAK TROUHLINE II with gate decoder		250	SUGDEN A21 power amp recent class A amp	800	
AUDIONOTE QUEST monoblocks , single ended 300b	2750	1500		LINX THETA fm tuner	650	250	Sugden AS I orig model	300	
AUDIO RESEARCH LS15 line level preamp,silver fronted mint and boxed with remote		2000		LUXMAN T-88V		150	Sumo Athena/Polaris pre/power	700	
AUDIO RESEARCH SP9 pre		800		NAD 4155		80	YAMAHA F2200 professional series power amp 200 watts per channel	300	
AUDIO RESEARCH VT60 power amp	2500	1200		NAIM NATO I & NAPST old style		800	YBA 2 pre/power 3years old	4000	
AUDION SILVER NIGHTS		1250		NAKAMICHI CR7E		800	TURNTABLES,ARMS,CARTRIDGES		
AUDION SILVER NIGHTS SPECIAL SINGLE ENDED VERSION		1500		NAKAMICHI BX300E		300	ALPHASON SONATA with ATLAS psu and HR100s arm	700	
AUDION STIRLING PHONO STAGE		400		PIONEER F91		250	APHELION PLINTHS FOR GARRARDS AND THORENS	200	
AUDION PREMIER LINE PREAMP	900	450		QUAD FM4 old colour		250	AUDIO NOTE AN6C transformer	5000	
AUDION PREMIER matching pre with phono.	1500	750		REVOX A77 2 track a bit scruffy but serviced and working nicely	150		DYNAVECTOR XXII excellent light use	1000	
ART AUDIO QUINET		600		REVOX G36 2 track high speed in custom perspex case, gold phonos.		500	EMT 930ST with full trolley	1800	
BEARD P500 pre/P50 POWER serviced		900		STUDIO 12 DECODERS AVAILABLE FOR YOUR TROUHLINER	80		LINN LP12I grace arm/V15 cartridge	375	
CONCORDANT EXCELSIOR with off board valve psu, and phono inputs	1500	650		TROUHLINE TUNER	65		Linn KLYDE	350	
CONRAD JOHNSON PVS PREAMP with phono.	2000	675		WHITELEY valve stereo decoder for your trougline, utilises same output stage as in mono trougline II but in stereo and compact enough to fit in your trougline 200 fitted or 175 DIY			NAIM prefix phono stage(MC)S BOARDS wired for ARO	275	
CONRAD JOHNSON PVI0A with phono,preamp		675		TRANSISTOR AMPS				NOTTINGHAM ANALOGUE TRACER 2 & TRACER 3 mm cartridges	
CONRAD JOHNSON PREMIER 10 line pre-amp	3900	1750		ARCAM 290 with phono	500	250	now available for home dem strongly recommended they out perform some expensive moving coils 310 and 475		
CONRAD JOHNSON PREMIER 11a power amp, 9months old, mint and boxed	3750	2400		ARCAM ALPHA 9PRE		250	ORTOFON ROHMANN mc cartridge 1 owner boxed	550	
CONRAD JOHNSON PREMIER 2 pre amp with phono	3000	1200		AUDIOLAB 8000A grey		200	PINK TRIANGLE early dc motor model, no arm	250	
CROFT MICRO orig model with single vol control		200		AUDIOLAB 8000S REMOTE integrated	700	375	PINK TRIANGLE PT TOO with sme	309	
CROFT SERIES III OTL power amp		700		BARTOLOMEO ST40	1500	600	PINK TRIANGLE LITTLE PINK THING, rb300	300	
EAR 834L		325		BOSE 1801 monster 250watt per channel with vu meters and vol control.		500	REGA ARM rewired with silver plated cable throughout and with counterweight modifications 225 or we'll do your arm for	120	
GOLDEN TUBE AUDIO SE 40 power amp,parallel single ended big fat warm sound	1200	600		CRIMSON 620 stereo power amp		250	ROCK TURNTABLE with Excalibur arm,original model with hydroplanar bearing, damped bellows suspension etc	700	
HBC "BEASTIE" 211 triodes in zero feedback stereo power amp		1500		CREK 4040 S2		120	ROCKPORT TECHNOLOGY 6000 air bearing parallel tracking arm with air pump	5000	
HBC "BLACK BEASTIE" now available	1650	900		CYRUS 3 integrated	500	250	ROKSAN XERXES black ash, linn mount	400	
LUMLEY LV1 valve preamp line level chrome	2000	900		EXPOSURE XX SUPER integrated as new	1000	450	ROKSAN XERXES 10 with xps3.5 and x /ARTEMIX MKII ARM 18 months old mint and boxed . black	2500	
MELOS 222 two box pre with phono, high end american pre now offered at giveaway price	3000	900		EXPOSURE XV7 pre with phono,boxed	1000	500	ROKSAN COGNOSCENTI(PIANO BLACK XERXES) WITH UPGRADED PSU ARTEMIZ 2 AND SHIRAZ	1800	
MUSICAL FIDELITY F22/F15 pre/power		1700		EXPOSURE XIX pre(line only) boxed	900	450	SLATE AUDIO PLINTH FOR GARRARD	301	
SONIC FRONTIERS SFS 40 POWER AMP,yankeef confection with brushed stainless chassis and vu metersvery well built amp, new output valves	2000	900		EXPOSURE XXI/XVIII REMOTE PRE/POWER	2100	1050	SME IV silver wired straight thru	702	
SOUND DESIGN line level valve pre		150		EXPOSURE XI, XII, SUPER VIII pre/psu, power amp	2000	850	Van den Hull GRASSHOPPER Black Beauty perfect boxed any trial	3000	
UNISON RESEARCH simply 4	1800	1000		GOLDMUND MIMESIS MM27 remote line pre	7000	3500	VOYD THE VOYD	900	
LOUDSPEAKERS								VPI HW16.5 RECORD cleaning machine new/ex dem 450/420	
ACOUSTIC ENERGY AE1s rosewood, new woofers fitted with stands	750			HARMON KARDON PM655	150	250	VPI TNT MK3 with MK5 feet(airpod) heavy platter and		
ALTEC 604g 15" DUAL CONCENTRICS IN STUDIO CABINETS	1000			KELVIN LABS ABSOLUTE ZERO 2 box preamp	700	250	LINN EKOS arm	3200	
ALON IV excellent block	3500	1300		KENWOOD M2 power amp 200 watts		250	VPI TNT FLYWHEEL and belt	400	
A.R.T IMPRESSIONS on demo	WOW	15000		LFD LS1 line preamp	1000	400	VPI TNT acrylic cover(lid)	100	
AUDIONOTE ANZ1 to clear		300		LFD PAO powerstage power amp	700	350	VPI TNT bright star big rock sand filled support(little rock also available for flywheel)	150	
AUDIO PRO active subwoofer		250		LINN WAKONDA pre amp wrth remote, line only	750	350	VPI the whole shee-bang	6500	
AUDIO PHYSIC TEMPO MK 1 + digital equalizer	2500	700		LINN LK100 power amp		350			
B&W matrix ONE punchy,decent stand mounter	600	250		Linn Wakonda 1 LK100		325			
B&W 601 S2 + ASW500 SUB		450		Linn MAGIK integrated with phono		150			
BOSE 901 MK1 & controller		400		MAGNUM IA-125 integrated,like bisto smooth and meaty		3500			
CASTLE TAYS stand mount boxed	400	250		MARK LEVINSOM ML12 pre with camac adaptors and custom psu		4000			
CELLO SERAFIM active speakers with silverado stands	15000	4000		MERIDIAN 601/605 pre/monoblocks		500			
EPOS ES14 biwire boxed		350		MEITNER STR-55 power amp		500			
HALES TRANSCENDANCE S boxed,cherry 3 way sealed box resonant at 29Hz these have serious bass and are not a difficult load	5750	2500		MICHEL ARGO HR line pre	1350	575			
HALES TRANSCENDANCE 8	10000	3750		MICHEL ISO/HERA mc phono stage		350	AUDIONOTE ANVX reference 5 m pair with biwire links, bananas	3000	
HEYBROOK QUARTETS with matching stands, very pretty, boxed		500		MICHEL ISO mc phono stage		225	CARDAS quadlink 5c 2M INTERCONNECT	300	
HARBETH limited edition LS3/Sa, slight damage		500		MUSICAL FIDELITY pre 3b/ MA50 monoblocks		600	GOERTZ MI/2 veracity with kimber plugs 2 m pair in packaging 100		
IMPULSE H7 horn loaded,two way small floorstanders	800	400		MUSICAL FIDELITY DR THOMAS classic shoebox style power amp		250	ELECTROFLUIDS monolith 1m speaker cable similar to goertz 4 bits	400	
INFINITY QUANTUM II large 9 drive units, LOADS	450			MUSICAL FIDELITY P140 Power amp		175	PURIST AUDIO COLOSSUS 1.9M water filled spades	500	
KEF kit 3 in big cabinets buyer collects	100			MUSICAL FIDELITY E11		200	XLO big thick speaker cable type 4? 3m pair	200	

IAN HARRISON HI-FI

TEL: 01283 702875
 HI-FI AT DISCOUNT PRICES. FREE NATIONWIDE DELIVERY
 9am - 9pm INCLUDING SUNDAYS

TRADE IN YOUR OLD MOVING COIL CARTRIDGE & SAVE UP TO 60% OFF THE RRP.

CARTRIDGES & STYLUS	HIFI FURNITURE	HEADPHONES	DVD
DENON	APOLLO	SENNHEISER	SONY
SHURE	SOUND STYLE	SONY	DENON
AUDIO TECHNICA	SOUND	AKG	PHONO STAGES
GOLDRING	ORGANISATION	GRADO	MICHELL
SUMIKO	ALPHASON	AUDIO-TECHNICA	CREEK
TRANS-FIGURATION	CABLES	DAT	NAD
LONDON (DECCA)	SONIC LINK	TASCAM	AUDIO NOTE
GRADO	AUDIOQUEST	SONY	EAR
ROKSAN	VAN DEN HUL	PANASONIC	ROKSAN
VAN DEN HUL	QED	CASSETTE DECKS	TOM EVANS
ORTOFON	ORTOFON	LOUDSPEAKERS	HARBETH
AUDIO NOTE	NORDOST	PIONEER	CABASSE
RESON	ARGENTO	TEAC	SHUN MOOK
CLEAR AUDIO	AUDIO	SONY	EPOS
KOETSU		DENON	
TONEARMS	TURNTABLES	MINI DISCS	AMPLIFIERS
ROKSAN	ROKSAN	SONY	DENON
SOUTHER	MICHELL	DENON	AUDIO NOTE
GRAHAM	CLEAR AUDIO	DENON	C.A.T.
MOTH	AUDIO NOTE	DENON	GAMUT
CLEAR AUDIO			ALOIA
HADCOCK			EAR
		TUNERS	
		SONY	
		DENON	

ACCESSORIES			
Hifi News Cartridge Alignment Gauge	£5	Milty Zerostat 3	£30
Hifi News Test Record & Alignment Gauge	£15	Audio Technica Stylus Cleaning Fluid	£5
Shure SFG/2 Tracking Force Gauge	£25	Clearaudio Carbon Fibre Record Cleaning Brush	£14

PLEASE PHONE TO CONFIRM PRICE & AVAILABILITY PRIOR TO ORDERING.
 ALL GOODS ARE BRAND NEW & BOXED WITH FULL U.K. GUARANTEES.
 NO EX. DEM OR EX DISPLAY GOODS. NO GREY IMPORTS. GOODS ARE NOT SUPPLIED ON APPROVAL. SORRY, NO GENERAL CATALOGUES. PLEASE PHONE OR WRITE FOR SPECIFIC REVIEWS, BROCHURES OR PRICES.
 MAIL ORDER ONLY FROM: IAN HARRISON, 7 MILL HILL, REPTON, DERBY, DE65 6GG. TEL: 01283 702875. 9am - 9pm INCLUDING SUNDAYS.

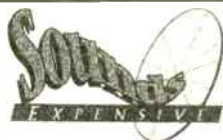
Sound Music

- Arcam A65 Integrated Amplifier(XD) - £250
- Arcam CD92 CD Player(XD) - £700
- Arcam AT51 Diva Tuner(Silver)(New) - £200
- ATC CA2 Preamplifier (SH) - £450
- ATC SCM 10-2 Active Speakers (SH) - £750
- Beard P500&P50 Pre&Power(Valve)(SH) - £875
- Castle Bastion Centre (Oak)(XD) - £250
- Castle Harlech (Cherry) (XD) - £750
- Castle Richmond (Rosewood)(XD) - £200
- Castle Severn Speakers(Maple)(XD) - £500
- Cyrus Discmaster/Dacmaster(SH) - £750
- Cyrus Pre-Amplifier (SH) - £400
- Energy Encore AV Sub & Sats (XD) - £850
- Jamo Home Cinema Speaker System(XD) - £300
- John Shearne Phase 2 Amplifier(SH) - £350
- Linn Classik CD/Tuner/Amplifier Unit (XD) - £750
- Linn Keilidh Speakers (Black) (SH) - £450
- Linn Majik I Amp & Sneaky Line Driver(XD)-£600
- Linn LK140 Power Amps (3 Available)(SH)-£550
- Linn Tukan Speakers (Black) (SH) - £300
- Meridian DSP 5000 Active Speakers(XD) - £3000
- Musical Fidelity A3 Integrated Amplifier(XD)-£700
- Musical Fidelity A300CR Power Amp(XD) - £1750
- Myriad MT100 Tuner (XD) - £300
- Myriad MC100 CD Player (XD) - £350
- NAD 216 THX Power Amplifier(XD) - £200
- Opera Super Pavarotti Speakers(XD) - £700
- Proac Studio 150 Speakers(Mahogany/XD)-£650
- Project Perspective Turntable & Arm (New) - £500
- Quad 44 Pre & 405 Power Amplifiers(SH) - £400
- Sanyo PLV30 Projector (XD) - £1800

Sound Of Music, 93-95 Nantwich Rd. Crewe, Cheshire. CW2 6AW

Tel.:01270 214143

For : Linn, Arcam, Musical Fidelity, Castle, Roksan, Onkyo, Monitor Audio, Quad, NAD, Wharfedale, Loewe, Project, Meridian, S.M.E., & Many Others.



H F & Audio Consultants
Sales and Service

Model	WAS	NOW
ARCAM DIVA 65 AMPLIFIER	£379.95	£300.00
BOSE 501 LOUDSPEAKERS	£600	£350.00
CASTLE SEVERN II LOUDSPEAKERS	£700	£495.00
CELESTION A 2 LOUDSPEAKERS	£1,500	£750.00
JAMO CONCERT 8 LOUDSPEAKERS	£1,400	£900.00
JAMO CONCERT 11 LOUDSPEAKERS	£2,300	£1,500.00
MUSICAL FIDELITY A 1 AMPLIFIER		£175.00
SONY TAN 55 ES POWERAMPLIFIER		£195.00
YAMAHA DSPE 492 PROCESSOR	£400	£125.00

12 Regent Street, Rugby, Warwickshire, CV22 5LP

Tel: 01788 540772

www.soundexpensive.com

Supradirect

The ONE STOP website for Supra cables to improve your Hi-Fi and/or Home Cinema system.

- 1 - VISIT www.supradirect.co.uk
 - 2 - VIEW the range online (or download the PDF catalogue)
 - 3 - SELECT from a wide range
 - 4 - SAVE money when you make your purchase
 - 5 - ENJOY
- Home Cinema Users - Choose from Supra's range of composite, s-video, or RGB/Component video cables to improve your picture quality. Or use Supra co-ax digital or fibre optic cables from DVD to AV amp/receiver.
 DIY'ers - Fit Supra Boxcon 4mm terminals to your amp or speakers.
 Hi-Fi Nuts - Upgrade your existing cheap cables and enjoy better sound quality with Award-winning Supra speaker and interlink cables!
- EFF-ISL - Hi-Fi Choice "Best Buy", Classic 4 - What Video "Best Buy"
 Ply 3.4 - Hi-Fi Choice "Recommended"
 Ply 3.4/S - Hi-Fi Choice "Recommended"
- We belong to the Which? Webtrader Code of Practice

Bocchino Audio Connectors

Australia's finest range of high-end phono connectors
 Upgrade your phono cables from the cheap, gold-plate on brass types (as normally fitted) to these luxurious gold & silver-plated, pure copper, one-piece phono plugs.

Brenda™ B7 - £109/pair

Brenda™ B9 - £149/pair



Common features: Each plug machined from a solid billet of 99.94% pure High Conductivity Oxygen Free Copper then plated with 15+ micron silver and 1.0+ micron hard gold. Signal tips plated with 3.0+ micron hard gold.

Now available from specialist accessory dealers.

Or visit our website at: www.bocchino-audio.co.uk

Also available for OEM customers - please contact sole UK distributor: Bocchino Audio UK, PO Box 364, Maidstone, ME15 9FE

MATRIX HI-FI

JANUARY SALE - 20% OFF ALL STOCK

**VALVE AMP
REPAIRS**

VALVE CD PLAYERS FROM £330.00 ON DEMO -
PLEASE PHONE FOR DETAILS.

APOGEE MINI GRAND WITH SUB WOOFERS & ACTIVE XOVER PR	3,999.00
AUDIO NOTE ANJ/SPE INCLUDING STANDS BLK	750.00
BASIS DABU GOLD DECK WITH AIRTANGENT UPGRADED	
2B TONE ARM. SPARE TUBE. 2nd ARM - GRAHAM 1.5LT	
WITH KEITSU GOLD CARTRIDGE ON SPARE ARM BOARD.	7,300.00
BEARD P35 CHROME - MINT	450.00
CELESTION A1 SPEAKERS BLACK - NEW	499.00
CONRAD JONSON PV6 PRE-AMP	799.00
EMINENT TECHNOLOGY TONE ARM 2 WITH AIR PUMP.	300.00
FERRAGRAPH LOGIC 7 REEL TAPE WITH TAPES ETC.	299.00
HI-FI WORLD KAT-88 VASLTU UPGRADED	550.00
HEART/MARANTZ VALVE OUTPUT CD PLAYER - IMPROVED	650.00
KRELL KSA 50 (TWO OFF VGC) - EACH	1,250.00
LEAK STEREO 20 VGC	399.00
LEAK TL12+ PAIR VGC	350.00
LEAK TL25 PLUS PR RARE	699.00
LINN CLASSIC VARIOUS COLOURS	995.00
LINN KEOSA FLOOR STANDERS - BLACK/MAPLE/CHERRY	350.00
LUXMAN MQ3600 POWER AMP KT88	700.00
MARANTZ CD-63	90.00
MARANTZ PM-6010 AMPLIFIER KI- SIGNITURE - BLK	240.00

NAKAMICHI LX2 CASSETTE DECK	200.00
PHILIPS 420P1000 42" PLASMA SCREEN - SPECIAL	4,299.00
PIONEER ER-420 VALVE RECEIVER	195.00
PRECIOUS METALS COPPERTECH DELTA	59.00
PRECIOUS METALS SILVER SS200 SIGNAL	187.00
PRECIOUS METALS SILVERCOPPERTECH 102 SIGNAL.	110.00
PRECIOUS METALS SILVERTECH 52 SIGNAL	81.00
PROJECT 2.9 RECORD DECK WITH ORTOFON CART. CHERRY	399.00
PS AUDIO 5.6 PRE-AMP WITH MM/MC PHONO	550.00
QED PASSIVE CD PRE AMP ALPS POT.	65.00
QUAD II PAIR. MINT	650.00
QUAD II PAIR. BIT TATTY.	500.00
QUAD AM TUNER VGC	50.00
QUAD FM 1 TUNER	50.00
RADFORD MA50 MONOBLOCS - MINT	1,499.00
ROGERS JUNIOR + PRE AMP - RARE	350.00
RÖTHWELL INDUS PASSIVE PRE AMP STEPPED CONT.	399.00
RÖTHWELL RUBICON POWER VALVE AMP	799.00
SONY MDS-JE320 MINI DISK PLAYER-NO REMOTE	120.00
SOUND ORGANISATION RACK - SILVER 4 SHELVES 40% OFF	120.00
SOUND STYLE XS RACK - ICE BLUE GLASS - 5 SHELVES	299.00
TRIPLETONE STEREO INTERGRATED	95.00
VAL 20WATT INTERGRATED VALVE STEREO EL34	399.00
VERDIK QUALITY 10 VALVE MONOBLOCS	350.00
YAMAHA CT710 TUNER	100.00



- **HI-FI/THEATRE DEM ROOM NOW AVAILABLE**
- **VINTAGE HI-FI FOR SALE & WANTED**

MICHELL - ALCHEMIST. CELESTION, QED, AUDIOQUEST, MARANTZ - ETC...
NEW AND VINTAGE VALVES - INTERCONNECTS & SPEAKER - OFC & SILVER
WEALTH OF KNOWLEDGE SPANNING OVER 30 YEARS. FOR ENQUIRIES OR
A CONTROVERSIAL CHAT, ASK FOR DAVE OR LEE.
PHONE : (01322) 292391
FAX : (01322) 229908
E-MAIL: INFO@MATRIXHI-FI.CO.UK
WEB: WWW.MATRIXHI-FI.CO.UK

SHOWROOM
65 DARENTH ROAD
DARTFORD
KENT DA1 1LU

FREE EASY PARKING



01376 521132
07802 483698

CHELMSFORD, ESSEX

E-MAIL: soundstage@netlineuk.net

BY APPOINTMENT ONLY

PRE-OWNED EQUIPMENT

AUDIO INNOVATIONS SERIES 1000 MKII MONO'S WITH LI VALVE PRE AMP	£1195
AUDIO INNOVATIONS ALTO CD PLAYER BLK	£159
AUDIO SILVER KNIGHTS 300B MONOBLOCS NEW VALVES 3 YRS OLD	£995
BEARD CA35/P35 L VALVE PRE/POWER (£2500 APPROX NEW)	£1295
DENON AVC-A1 GOLD BOXED AND IMMACULATE (£2000 NEW)	£795
DENON AVP-A1 GOLD BOXED AND IMMACULATE (£3000 NEW) £995	£995
DENON DVD-5000 GOLD WITH MULTI REGION (CHIP FITTED SUPERB MACHINE)	£449
DENON AVR 3300 DOLBY DIGITAL DTS BLACK BOXED IMMACULATE	£349
EPOS E512 DARK CHERRY BOXED WITH INSTRUCTIONS	£349
EPOS E514 WALNUT SUPERB CONDITION	£349
EPOS E511 LOUDSPEAKERS BLK ASH WITH HARD COVERS	£199
REVOX B760 TUNER SUPERB CONDITION	£449
KEF REFERENCE MODEL 100 CLUSTER LOUDSPEAKER BLACK	£199
LINN AV5103 AC3 RF LASER DISC INPUT DD PRE-AMP INMAC (£4750 NEW)	£1995
LINN ISOBARIKS DMS WALNUT LOVELY CONDITION BLYR COLLECTS	£695
LOEWE PLANUS 32" WIDESCREEN ARCIS BOXED AND IMMACULATE	£895
MERIDIAN 500/566-20 BIT TRANSPORT/DAC BOXED AND IMMACULATE	£1495
MERIDIAN 602/606 TRANSDAC-BRAND NEW LASER BOXED IMMACULATE	£1495
MICROMEGA STAGI 6 IMMACULATE AND BOXED	£529
MICROMEGA DRIVE/3DAC BOXED AND IMMACULATE	£995
MONITOR AUDIO MA1800R/F GOLD TEAK	£595
MUSE MODEL 3 PRE-AMP REMOTE BLACK BOXED AND IMMACULATE	£1295
MUSICAL FIDELITY T1 FM ONLY TUNER BOXED AND IMMACULATE	£199
NAIM NAC32/SNAPS/NAP250 OLD STYLE SUPERB CONDITION	£995
NAIM NAC 72 PRE-AMP BOXED AND IMMACULATE (£790 NEW)	£449
NAIM NAC 92 PRE-AMP BOXED AND IMMACULATE	£279
NAIM NAIT3/REPUT MODIFICATION BOXED AND IMMACULATE (1999 MODEL)	£399
NAIM INO 2-WAY ACTIVE X-OVER WITH VARIABLE FREQUENCY	£399
NAIM NAP140 OLD STYLE SUPERB CONDITION	£399
NAIM NAP90/3 BOXED AND IMMACULATE	£329
NAKAMICHI CR2 CASSETTE DECK	£175
NAKAMICHI CASSETTE DECK 2	£199
NORTON AIR POWER LP12 POWER SUPPLY FX DEM	£595
PIONEER CL195 ELITE LASER DISC PLAYER (£2000 NEW)	£495
PRO AC TABLETTE 50 MAHOAGONY OR CHERRY IMMACULATE	£395
PROJECT PCD SERIES 3 CD PLAYER (£3500 NEW)	£1695
QUAD I SL63-LATE MODEL APPROX 1992/93 BLACK WITH STANDS SUPERB	£1395
REGA PLANET CD PLAYER BOXED AND IMMACULATE	£299
REGA PLANAR MG2.75/FOR OAK 3 YRS OLD BOXED AND IMMACULATE	£1795
RIKARK CL30 CHERRY WOOD NEW £2500 WITH SHELF AND ALSO INTERNAL	
HARD WIRE UPGRADES AND WBT BINDING POSTS SAVE OVER £500	£1995

PROFESSIONAL RECORD CLEANING SERVICE - KEITH MONKS MACHINE -
PLEASE RING FOR FURTHER DETAILS AND PRICES.

THREE MONTH WARRANTY ON ALL ITEMS

www.sound-stage.co.uk

STOWSOUNDS

Stonefarm Borough Lane, Great Finborough, Stowmarket, Suffolk, IP14 3AS

We have the following equipment to clear:

ENGINES	
Creek Cd 53	1049
Michell Gyrodek	poa
Nakamichi BX 2	150
Musical Fidelity X Ray	675
DPA Renaissance CD	550
Trichord Revelation CD	450
YBA CD 3	1500
Marantz 6 disc changer	150
GEARBOX	
Creek 5350SE	700
Cyrus 2	150
Exposure 25 integrated	850
Musical Fidelity XA 100R	385
Naim 32.5S	125
Naim 42.5K	95
Soneteer Campion integrated	425
YBA 3 Pre Power	1725
EXHAUST	
Epos M12	385
Castle Seven 2	385
JM Lab Tantal 515	325
Linn Keosa Maple	349
JM Lab Cobalt 810	525
JM Lab Electra 905	795
Living Voice range	Great
Rogers LS4a	140
FURRY DICE	
Quad FM 4	175
Tripod Rack	100
Sound Organisation Z565	100
Soundstyle X105	175
Linn Classic	825
Rotel RT 950BX	125
Beyerdynamic DT911	140
Beyerdynamic DT531	80
Grado SR60	65
Kimber 8 way power block	140

Various interconnects, supports, cables at reduced prices.

Phone for details
Sale of CDs. Phone for latest list.

TEL: 01449 675060

V'AUDIO

Hi-Fi Consultants

Mains Conditioners

& Digital Amps

There are many mains conditioners around which do a very good job at cleaning up our increasingly dirty mains supply. The main ones I use are the Powerblock 500 and 1000 at £299 and £450 respectively, and the PS Audio Ultimate Outlet at £380, well reviewed in the Dec. issue of *Stereophile*. Some mains conditioners can seem to slow down the dynamics of power amps but a number of AVI monoblock power amp users have found the Powerblock 500 a very worthwhile upgrade. Less well known is the PS Audio P300 which completely regenerates the mains supply as a perfect sine wave plus many other waveforms if required. The downside is that the P300 costs £1750 and will generally only handle front end units, such as CD players, pre-amps, DAC's etc. However, due to the 90% efficiency of the latest digital amps by Control Q and Veritas for example, you can also run all of the above plus digital power amp of 200/300 watt output on the P300, even without the fan. Total consumption between 30 and 50 watts. And it does improve the total sound. Do ring for a listen, and a happy 2002 to all our readers.

www.vaudio.co.uk

V'audio HI-FI Consultants

36 Druid Hill, Stoke Bishop, Bristol BS9 1EJ
Tel/Fax 0117 968 6005

AWARD WINNING SUPPORT RANGE

You've read about it for years.
You've seen it on TV.

Now experience The Mana Effect™
at your local retailer...

BRISTOL AUDIO EXCELLENCE 0117 926 4975
CARDIFF AUDIO EXCELLENCE 029 2022 8565
CHELTENHAM AUDIO T 01242 583960
CHESTER AUDIO EXCELLENCE 01244 345576
EDINBURGH LOUD AND CLEAR 0131 226 6500
EXETER AUDIO EXCELLENCE 01392 491194
GLASGOW LOUD AND CLEAR 0141 221 0221
GLOUCESTER AUDIO EXCELLENCE 01452 300046
HARROW HARROW AUDIO 020 8930 9933
HIGH WYCOMBE AUDIO T 01494 558585
HULL ZEN AUDIO 01402 587397
LEEDS IMAGE AUDIO 0113 278 9374
LONDON THE CORNFLAKE SHOP 020 7631 0472
SWANSEA AUDIO EXCELLENCE 01792 474608
WIGAN ADVENTURES IN HI-FI 01942 234202

Mana Audio LTD

Unit E, Amlwch Industrial Estate, Anglesey LL68 9BX
Tel: 01248 450472 or 01407 830 530 Fax: 01407 830 535
E-mail: post@mana.co.uk www.mana.co.uk
Visit the Mana forum: www.manaforum.atinfopop.com

CLASSIQUE SOUNDS (LEICESTER) INC ONE THING.

VINTAGE HI-FI & VALVE SPECIALIST

FOR SALE: PRE/POWER AMPLIFIERS

Linn LK1 pre-amp and remote. Good condition.	£ 249	Linn LK2 power amplifier. Good condition.	£ 299
Naim 180 power amplifier. Ex condition. Boxed.	£ 699	Naim 72 pre-amplifier. Boxed. MM Boards.	£ 349
Kenswood KA6000 integrated amplifier. Black.	£ 60	Myriad M120 int amplifier. Mint/boxed/remote.	£ 349
Musical Fidelity A300 int amplifier. Dual mono.	£ 749	Musical Fidelity B1. Nice condition.	£ 130
Quad 77 pre-amplifier with large LCD remote.	£ 495	Quad 606 power amplifier. Ex condition. Boxed.	£ 399
Grant G60S integrated valve amplifier. 60 watts.	£ 599	Harm-in Kardon integrated valve amp 110W V rare.	£ 299
Audiolab 8000Q pre-amp. Mint/bv/dinst. Cost £1250	£ 649	Nad 1130 pre-amplifier. Excellent condition.	£ 79
Obelisk 2 integrated amplifier. Good condition.	£ 150	Audiolab 8000C pre-amplifier. Boxed/instructions.	£ 299
DPB Renaissance integrated amplifier. Mint. Boxed.	£ 299	Mission Cyrus2 amplifier. Mk1. Ex condition.	£ 169
Quad 303 power amplifiers from	£ 125	Arcam 290 integrated amp & remote. Small chip	£ 175
Nad 2140 power amplifier. Good condition.	£ 99	Alchemist Foretst pre-amp. Mint. Boxed.	£ 599
Nakamichi CAS pre-amplifier. Ex cond. Cost £750	£ 375	Nakamichi PXS 100W/CH power amp. Cost £1300	£ 650
Proton AP1000 pre-amplifier. Cost £299.00. Glcond.	£ 110	Proton DP1200 Power amp. Cost £499. Good cond.	£ 220
Linn Wakonda pre-amp + remote. Mottle finish.	£ 399	PS Audio Model two power amplifier. 230V model	£ 200
NVA A80 mono power amplifiers X 2. Good cond.	£ 799	NVA A60 stereo power amplifier. Good condition.	£ 295
AVI S2000 MI int amp & remote. Cost £999. Mint	£ 549	Linn LK1000 power amplifier. Excellent condition.	£ 395
Musical Fidelity Pre-8 pre-amplifier. Mint. Boxed.	£ 175	Arcam Alpha 3 amplifier. Mint. Boxed/instructions.	£ 100
Naim Nac 42.5 pre-amplifier with MC boards.	£ 150	Creek 4040 integrated amplifier. 5 pin din version.	£ 79
Quad 401.1 power amplifier. Ex condition. Boxed.	£ 229	Quad 34 pre-amplifier. 5 pin din. Boxed. Ex cond.	£ 225
Musical Fidelity The Pre amplifier with MM/MC	£ 199	Technics SHGE70 Graphic Equaliser. 12 presets.	£ 120
Scott 410A integrated transistor amplifier.	£ 99	Mission Cyrus 1 amplifier. Good condition.	£ 80
Arcam Zeta 1 Pro logic Cinema amp. Cost £990.00	£ 450	Quad 33 pre-amplifiers. From.....	£ 75
Leak Stereo 20 valve power amplifiers from.....	£ POA	Audio Innovations L2 Valve pre-amplifier. Lane.	£ 399
Arcam Alpha 2 amplifier. Mint. Boxed/instr	£ 95	Comossur/Sugden stereo valve pre/power amp. mint	£ 249

TURNTABLES

Revolver turntable and Linn LVX basic arm. 3345	£ 150	Garrard 301 & 401 motor units all serviced from	£ 125
Thorens TD125 audio technica 1100 amp/plnrh	£ 250	NVA phono 2 MC pre amp + 2 X PSU. Awesome	£ 499
Revolver Rebel ow Revolver arm & V.Technica	£ 125	Thorens TD125 Chassis only	£ 59
Dual S084 record deck. Good condition/instr	£ 100	Tno KD550 Direct drive turntable	£ 95
Thorens TD166BC Deck. Cut-cut for SME. Bsd	£ 150	Thorens TD166 MK2 with thorens arm	£ 89
Anston RD50 turntable. Boxed. Good condition	£ 99	Dual CS05 2 turntable. Mint condition. Boxed	£ 89

SPEAKERS

Mirage OM6 loudspeakers. Built in active subwoofer. Goes down to 181Hz. Cost new £2800. Bargain for only	£1299
Quad ESL57 speakers. All fully serviced with full 3 months warranty. Hear what ESL57s should sound like. From £750 pr	£ 750 pr
Pair Quad ESL57 speakers. Fully rebuilt. In 4 Recon bass & 2 recon treble units. All new electronics. 12m warranty.	£ 1199
Kel C20 Bookshelf monitor speakers in black	£ 60
Heybrook Heyhous Black. Boxed. Ex condition	£ 199
Pair Quad FL563 speakers. Ex Cond. Blk. Serviced	£ 1395
Kel concertos in super condition. Teak cabinets	£ 225
Pair Linn Keilidh in black with Kustone stands. Absolutely mint. 6 months old. 4 yrs warranty left. (2000) Bsd	£ 595
Naim Intro speakers in black ash. Mint. Boxed	£ 450
Dynalab 2.8 ref speakers. Cost \$1200 were £450.	£ 249
BAW DM120 slight cabinet marks. Boxed	£ 79
Mirabunt Short MS20h Pearl. Black finish. New.	£ 169
Roksan Ojan/3 speakers. Good condition.	£ 449
Tannoy Lancasters cab/15 inch/monitor golds	£ POA
Tannoy Chatsworths C/W 12 inch monitor golds	£ POA

OTHER ITEMS

Audiolute AN-S2-H moving coil transformer	£ 250	Musical Fidelity T1 FM tuner with PSU	£ 159
Audio note CJT Zero CD Transport. Ex Condition	£ 350	Audio note DAC 1 Valve CD DAC. Good condition	£ 400
Marantz SD275 twin cassette deck. Dolby B/C	£ 49	Technics SL PG440A Mash CD player/remote.	£ 75
Quad FMH. Late grey finish model & phono. Boxed/260Cogan Hall loudspeaker cable 1.5 metre pair	£ 150		£ 150
Nad 4020 tuner. Scratch on top hence.....	£ 35	Nakamichi CDP 2E CD player. Ex condition	£ 250
Marantz CD901 Cd player. Ex condition.	£ 79	Chord Channelnet interconnect. For nam eqpt. Bsd	£ 49
Nad Alchemy Dac in the box with separate psu	£ 99	2 X 6M lengths of Linn K400 Bwire spkr cable	£ 79
Linn Basik plus tone-arm. Good condition	£ 75	Rotel 950 CD player. Ex cond. Boxed.	£ 100
Michell Iso Phono pre amp and PSU. Ex condition	£ 249	Sugden SDT1 & SD A1 Transport & Dac/remote.	£ 849
Rotel RQ970 MM/MC phono pre-amplifier.	£ 89	Technics SL PS620A CD player/remote	£ 75
Rotel 965 BX CD player. Excellent condition	£ 150	Spare armature for SME series 3 New. Unused. Boxed	£ 55
Leak Trounlight 3 stereo valve tuner. Fully serviced	£ 195	Teac TR450 tuner. AM/FM synthesized/RDS. Boxed	£ 69
Linx Tuner. Mint. Boxed. Very unusual. Cost £549	£ 249	Quad FM3 tuner in excellent condition.	£ 99
Arcam Alpha 5 cd player. Mint. Boxed/remote	£ 195	Marantz CD63 top loader cd player. Collectable.	£ 125
Arwa AD-S750 Dolby B C SHX pro Cassette. Mint.	£ 75	ADC ALT 1 tone-arm. Mint. Boxed. Unused.	£ 100
Avalante Beam II cho valve tuner. BM61. AM/FM/BI	£ 140	Tru. KT88 synthesiser tube. AM/FM. Black.	£ 5
Quad 34 moving coil module. Mint. Boxed	£ 90	SME 8 x 7 stylus for.....	£ 125

QUAD ESL57 & ELS63 PANELS/SERVICING ETC

Reconditioned Quad ESL57 speakers from only £750.00.pr. Why spend £4000+?

Have your ESL57s refurbished for only £349.00/Pair. Ring for full details.

Exchange/recon ESL57 bass panel £120. Treble £100. ESL63 panels £100 Refurbished.

New socks for ELS63s £38 pr. Many other spare parts available. Please ring.

"Classique Sounds servicing restores the Quads to a position where they can hold their head high". Jon Marks. HI-FI WORLD. April 1999. Full servicing facilities available.

Troughline tuner service & realignment £95.00. (excludes valves. Rarely needed).
Subject to tuner being in a serviceable condition, with no major faults or modifications. One thing stereo decoder (back in stock) £175.00 Ex review Hifi world.

TRANSLUCENT (somewhat of a bargain) Hifi World. Jan 1999

PURE SILVER INTERCONNECT CABLE

99.99% pure silver conductors. Quality gold plated RCA phono plugs.

Half Metre terminated £60.00 One metre terminated £80.00

7 day money back guarantee if not better than existing cable. Regardless of price or quality.

NEW. Translucent pure silver mains cable. 3 amp. Intro offer. £99.00

One Thing Mains cables. Class 1 RFI suppressed. Silver plated conductors. Voltage spike protection. only...£55.00. 6 way mains block & lead only £99.00

NEW EARLY SHINOBU EQUIPMENT

Ear 834P MM/MC phono stage with/without volume	Brand new. Boxed at only £529
Ear 834P MM phono stage. No volume control.	Brand new. Boxed at only £379
Ear 834L Line only valve pre-amplifier. Amazing.	Brand new. Boxed at only £479

NEW... Classique sounds 6 way heavy duty 13A mains blocks. Only £99.00

WANTED Vintage and modern hifi eqpt. Part exchange welcome.

Tel 0116 283582 or 07802 213740 Mobile. Callers by appt only.
Opening times 10.00am-6.00pm Mon-Friday. 10.00am-2.00pm Saturday.
61 Aylestone drive, Aylestone, Leicester. LE2 8QE. Email classicque_sounds@yahoo.co.uk

AUDUSA EUPEN CSA 2.5 MAINS CABLE - HI FI CHOICE SEPT 2001 BEST BUY AWARD



AUDUSA-Eupen CSA 2.5



AUDUSA EUPEN GNLM 5.0 mains cable

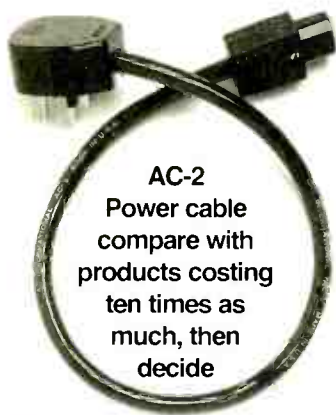
CSA and GNLM Cable with FERRITE TECHNOLOGY - A polymer material mixed with a considerable quantity of homogeneously fine high quality ferrite powder. This compound is called EMC/COM and it can be extruded around copper conductors. The ferrite itself is a non-conducting material, but it has a very interesting magnetic behaviour. As a ferromagnetic material, it will go through hysteresis loops whenever it is under influence of an alternating magnetic field. Consecutively magnetizing and demagnetizing the material will cause considerable losses of high frequency energy. This energy is absorbed in the ferrite grains and converted into heat. This effect is more or less proportional to the field frequency. By coating conductors with a thin layer of ferrite compound, high frequencies will be strongly attenuated, because their energy will be absorbed by the ferrite powder. This applies to high frequency disturbances that are propagating on the conductor and which we don't want to disturb the environment, as well as to surrounding interferences, which we want to prevent from disturbing the signals on our cable. The CSA cable which in addition to the above described ferrite technology is further protected with a foil shield and a drain wire and **specifically** manufactured for High End audio use.

£48 for 1.0m
£58 for 1.5m
£68 for 2.0m
off the reel £30
for 1st meter, £20
per m thereafter.

Fitted with IEC (Martin Kaiser) and MK Tough Plug. Figure of eight, 16 amp IEC, Bulgin, Neutrik etc also available. Plugs - USA, various European, Schuko, and other types. Cable can be supplied fitted to our all steel 4, 6 and 8 way distribution blocks. We can rewire the distribution blocks with Eupen cable as an extra cost option. Refer to our web site for details.

L A T INTERNATIONAL NJ USA - all cables now with SILVERFUSE conductors

LAT AC-2 HI-FI CHOICE - SEPT 2001 - RECOMMENDED MAINS CABLE



AC-2
Power cable
compare with
products costing
ten times as
much, then
decide



LAT AC-2 Power cable. We have developed a cabling (weaving) pattern along with an unusual shielding/filtering system that gets rid of the garbage that contaminates your components. The difference you hear with our cord is astounding. Our power cord takes advantage of silver in its design through use of our proprietary Silverfuse conductors. The conductors are 10 gauge and insulated with Teflon; the best insulation available. Fitted as standard with an IEC and MK Toughplug. Other connectors are available incl Schuko, 16 amp IEC, Figure of eight etc. 60cm £56, 90cm £68, 1.2m £78, 1.8m £99. other lengths available and off the reel at £39 per meter. SE version available with GP Tough plug and IEC, outer black braid all for an extra £12 irrespective of length **4,6 and 8 way all steel mains distribution blocks** fitted with UK, Schuko or USA type sockets. CE tested and approved mains distribution units manufactured out of heavy gauge steel, finished in black and fitted with high quality Wadsworth 13amp sockets. It has no filters, circuit breakers, surge protection, transformers, resistors, capacitors, LED's, on/off switches, chokes, regulators, just fitted with 1m of LAT AC-2 mains cable. From £161 for 4 way. £194 for 6 way. £226 for 8 way.

NEW GOLD

MK
Tough
plug with
gold
plated
pins (£14)

Otto Heil
IEC with
gold
plated
contacts
(£10).

SILVERFUSE is a near alloy of silver and copper. IT IS NOT SILVER PLATED OR SILVER CLAD. Plating (or clad, which is the same thing as plating) causes a dioding effect when signal is passed through resulting in brightness and distortion. The Silverfuse process starts with seven nines OFHC copper wire with a diameter that is slightly larger than the required size. It is then pulled through a trough of molten silver. The wire with a silver deposit, is then forced through a compacting die where it is subject to tremendous pressure. The silver and the high purity copper are fused together into a near alloy. The compacting fusion also reduces the wire diameter to the desired size. No dioding subsequently occurs with this process. The result provides for the benefits of silver; which are excellent definition and clarity, with the high purity copper benefits of warmth and mellowness.

LAT AC-2 mains cable available with 16 amp IEC (MF, KRELL etc), Fig of eight, Bulgin, Neutrik etc sockets. UK, USA, Australia, Swiss, Denmark, France, Italy, Schuko and other plugs. Check our website for available variants.

LAT INTERNATIONAL - Analogue, Digital and Video interconnects and Speaker cable. Refer to www.audusa.com for further details or ask for reviews etc



SIEA 3D-LAB CDP, DAC, TRANSPORT AND DVD's

with SRC sampling rate and bit converter translates 16,18 and 20 bit inputs to **24 bits format**. All 32, 44.1 and 48kHz frequency is re-sampled to **192 kHz**. This is known as upsampling. The SRC is comparable with that used by DCS in the Purcell unit. Four CDP's with SRC from £1210 to £3999. All CDP's can be upgraded to the specification of the the better models.

DVD's with SRC, CV2, Sub-woofer output and optional Faroudja line doubler. CV2 provides CVBS, Y/C, YUV, RVB, RVB/S, RVB-SH-SV etc. DVD's with SRC and CV2 start from £1630. DVD with CV2 £1245. Coming soon five Digital amps

SUNFIRE CORPORATION

New Sunfire True Sub Woofer MKIV 11 inch cube 220v

Signature True Sub Woofer 13 inch cube 220v. Junior Sub Woofer 9 inch cube, Classic Tube Pre-amp, solid state power amps 2 channel and 5 channel and processor pre-amp - now MKII versions and optional 17 inch chassis.



PHONE FOR LATEST LIST

NEW, ED-DEM AND CLEARANCE ITEMS

	RRP	SALE	
Acoustic Energy AE1 MKII	£995.00	£695.00	D
Arcam Alpha 10	£799.00	£549.00	D
Arcam Alpha 8R Amp.	£350.00	£259.00	N+D
Arcam Alpha 7R Amp.	£280.00	£229.00	N+D
Arcam Alpha 9P Pre. Amp.	£400.00	£300.00	N+D
Audio Research VT50	£3,499.00	£2,279.00	D
Copeland CDA266	£1,399.00	£1,195.00	D
Copeland CDA289	£1,985.00	£1,295.00	D
Cyrus SL Amp	£400.00	£250.00	D
Cyrus AV Master Processor	—	£200.00	D
Krell KAV 500i Int. Amp.	£5,498.00	£3,895.00	D
Linn Kaber	£1,995.00	£695.00	D
Linn Keosa	£499.00	£369.00	D
Meridian 500 Transport (mint)	£1,350.00	£849.00	D
Meridian M33 Active speakers	£1495.00	£995.00	N+D
Mission 701 speakers	£160.00	£119.00	N
Mission X space speakers	£199.00	£95.00	N+D
Musical Fidelity XA200R	£699.00	£559.00	D
Musical Fidelity XA50 mono amps (1 pair)	—	£299.00	D
Neate Mystique	£735.00	£499.00	D
ProAc 3.8	£3,990.00	£2,990.00	D
Rotel RX965RDS A/V receiver	£950.00	£695.00	D

D = EX DEMONSTRATION, N = NEW, S/H = SECOND HAND

Hi-Fi Multiroom and home cinema

ACOUSTIC ENERGY ARCAM ASH DESIGN AUDIO
RESEARCH CELESTION COPELAND CYRUS
DENON KEF KRELL LINN TAG MCLAREN MARTIN
LOGAN MERIDIAN MICHELL MISSION MONITOR
AUDIO MUSICAL FIDELITY NEAT ACOUSTICS
PIONEER PROAC QED QUADRASPIRE REL SONUS
FABER SME STANDS UNIQUE STAX THETA
WILSON AUDIO ETC...

THE LISTENING ROOMS LTD

161 OLD BROMPTON ROAD LONDON SW5 0LJ
TEL: 020- 7244 7750/59 FAX: 020 - 7370 0192
www.listeningrooms.com E-mail: tlr@dial.pipex.com
Mon-Sat 10-6pm

10 charles st newport south wales np20 1ju
01633 259661/256261 sales@diversevinyl.com

Forthcoming Releases

ALISON KRAUSS & UNION STATION - NEW FAVORITE

The first release on DIVERSE RECORDS - due mid February

Byrds	Sanctuary Volume 4	£15.90
Chemical Bros	Come With Us	£TBC
Dave Brubeck	Time Out (Classic Records)	£TBC
Frank Zappa	1 Size Fits All/Overnight Sensation	£15.90
John Coltrane	Love Supreme (Speakers Corner)	£TBC
Fleetwood Mac	Otis Spann - Biggest Thing Since	£15.90
Joni Mitchell	Hejira (WEA)	£15.90
Mott The Hoople	All The Young Dudes (Abs Analogue)	£24.90
Muddy Waters	Folk Singer (Classic Records)	£TBC
Pink Floyd	Echoes The Best Of - 4LP set	£33.00
Sparklehorse	It's A Wonderful Life - US pressing	£TBC
Tom Waits	Alice/Red Drum - 2 brand new LPs	£TBC
Van Morrison	Into The Music/Veedon Fleece, each	£15.90

LOVE REISSUES ON SUNDAZED RECORDS - £15.90 each

LOVE / FOREVER CHANGES / DA CAPO / REVISITED

New Stock And Recent Releases

B.R.M.C.	Black Rebel Motorcycle Club	£TBC
Eva Cassidy	Songbird	£18.90
Dido	No Angel - Very Ltd pressing	£11.90
Erik Truffaz	Mantis (Blue Note France)	£19.90
Wizz Jones	Lucky The Man (Ltd press 800 only)	£17.90
Fred Neil	Bleeker & MacDougal	£15.90
Madonna	GHV2 - Greatest Hits 2	£TBC
Pete Townsend	Scoop - 3LP (Classic Records)	£49.90
No Doubt	Rock Steady (Interscope)	£12.90
Paul McCartney	Driving Rain	£18.90
Roxy Music	Concerto (live 1979) 2LP (Fruit Tree)	£14.90
Jim O'Rourke	Insignificance (Domino)	£12.90
Gram Parsons	Safe At Home	£15.90
Byrds	Preflyte Sessions	£17.90
Wu Tang Clan	Iron Flag	£14.90
Ben Harper	Welcome To The Cruel World	£22.90
The Who	Quadrophenia 2LP - German reissue	£19.90
Dungeon Family	Even In Darkness	£14.90
Charles Mingus	Oh Yeah/The Clown/Tonight At Noon	£10.90
Sun Ra	Artforms/Night Of The Purple Moon	£15.90

Diverse Vinyl will, as usual, be attending the Bristol Hi Fi Show - Sound & Vision 2002 at the Marriott. Come and find our stall in the conservatory on the first floor - near the bar! Bring this advert with you to get a 10% discount

DISCO ANTI STAT LP CLEANER

Probably the most economical LP cleaning device on the market
Only £41.95

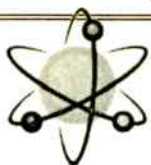


Call for details

Call for a catalogue of over 3500 brand new LPs, or visit

www.diversevinyl.com

RETRO Reproduction



PS

When Tim de Paravicini does a job, he does it properly, whether it is a custom studio installation or an affordable phono pre-amplifier like the EAR 834P. With years of experience in design and manufacturing, nobody can come close to the unique point of view and life experience he puts into all of his designs.

When first launched, the 834P was the only valve phono stage you could buy with facilities for both good quality moving coil (MC) and moving magnet (MM) cartridges. In addition, the unit could be purchased with a volume control, allowing direct connection to a power amplifier. Now in its seventh year of production its still set the standard with fantastic soundstaging that all transistor phono stages can just dream off, coupled to low background noise and enviable reliability.

There are now four models in the EAR lineup:

The classic 834P uses the same circuit architecture as its more expensive brothers, and shares the same high quality sound through MM type cartridges, it is enclosed in a tough, rigid metal case and is fully "CE" type approved, price £380.00

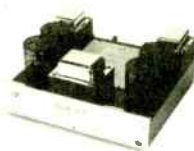
The signature builds on the Classic 834P specification by adding a superb moving coil (MC) input stage, as well as the no-extra-price option of a high quality volume control, price £530.00

Top to the range, the Deluxe 834P comes in stunning chrome and gold cabinet, and has extra attention and quality control. With different moving coil input options, this unit will fit the most demanding of audiophile systems. For the true vinyl enthusiast, price £800.00

MC3 - The ultimate stage for MC matching with 3 fixed transformer taps to cover all types of moving coil cartridges, and separate left/right grounding. MC3 in used in the new £10,000.312 pre price £630.00

HARMONIC TECHNOLOGY SINGLE CRYSTAL CABLE
NOW IN STOCK - AT LAST I HAVE A CABLE TO DO ALL THE THINGS THE MANUFACTURER CLAIMS AND AT A RIDICULOUS LOW PRICE - PHONE FOR MORE DETAILS

New Showroom & Dem rooms now open
28a Haddington Place Edinburgh EH7 4AF Phone/Fax 0131 558 9989
Open 11.00am - 5.30pm - closed Monday & Sunday



PS

Ear Yoshino New Models

Ear 869 single ended triode integrated amplifier
Improved version of the classic 859 with revised output transformers modified input stage with the addition of an extra signal valve which has allowed an increase to 15Watt of single ended power, also the 869 can be used as a power amp. Don't be fooled by its modest power output this amp drives real world speakers, price £2100.99

Ear 816 Integrated/Pre-main amplifier

Using 8 EL34 power valves to produce 50watt per channel in push pull class A with in-house designed output transformers. The 816 has been designed to meet a wide variety of needs from the most demanding of audio files to the professional seeking high quality monitoring equipment in the studio field. Valve life is long and replacement cost are modest. There is also a balanced power amp version with monoblocking capabilities to produce 100watt per channel. Price £2199.00

LIMITED PERIOD

Part Exchange your existing equipment against any Ear product and it will be valued at private prices not usual dealer rates.

NOW DEMONSTRATING

ATC CLASS A ACTIVE 10 SPEAKERS WITH 50W REMOTE PRE AMP AT A VERY ATTRACTIVE PRICE

Used Equipment For Sale

Sugdens A28 integrated amp £175
Sugdens A48 £95
Leak Troughline stereo Tuner GT upgrade £235
Cyrus 1 integrated amp £85
NVA integrated amp £95
NAD 4020A Tuner £75
Copenhagen CS48 integrated amp as new £625
Thorens 10321 turntable with Linn arm £250
Theta chroma DAC £575
Theta progeny DAC £750
Graaf DTL power amp 3 months old £1795
Jackline FS2 electrostatic headphones £395
Primare T20 FM Tuner £395
Marantz KI Signature 63 CD player MKII £250
Musical Fidelity X-PSU £125
Musical Fidelity X-DAC £175
Fons CQ38 with Mission tonearm 78rpm facility £250
Revox A76 Tuner & A78 Int amp £295
Heybrook Sextet £450
Musical Fidelity XLP £90
Musical Fidelity X100 £90
Magneplanner 3.3R outboard crossovers awesome new £3500
Quad 77 Int amp grey/blue finish £275
Sony 337 E50 10kg monster a very fine player new £800
JBL-TT 2k boxed un-opened new £1600
Marantz CD85 "Martin Colloms rave review" rosewood end stops 16 bit superb sounding player £1450
Naim SB8 speakers black finish £275
Lumley 120 mono block 120 watt per channel £225
Kenwood heavy weighted transport £1200
Primare A20 MKII integrated amp new £700
System Deck IX turntable UPGRADE YOUR REGA from £195
Art Audio valve headphones amp & tone stage without board PSU new £750 £350

Arcam SR integrated amp as new £195
NAD 312 integrated amp boxed mint £95
Epos M15 floorstanding speakers cherry new model £595
BBW 60352 floorstanding speakers cherry £175
Musical Fidelity E10 integrated amp £395
Sugdens A21 new model integrated amp silver finish £95
Luzman valve D105 CD player £75
Rogers LS1 bookshelf speakers £625
Rogers LS33 with AB33 £250
Quad ESL65 black mint with stands £575
Solstice Advanced Acoustic Design open baffle design speakers £750
outboard crossover with stands new £1000's? £1795
SME V tonearm boxed £395
ProAc response 25 loudspeakers burr oak £395
Finish new C2300 with Target R stands £250
Rogers LS5 speakers £125
QLM signature speakers with crossover and stands £175
Musical Fidelity T25 remote pre £250
Pink Triangle Ordinal DAC £250
Tube Technology Genesis 100watts monoblocs re-valved £1350
Kef Reference 1, 2 rosanut finish new mint £995
Cyrus III I integrated amp £295
Sugden T48 stereo tuner £90
Pioneer PDS703 CD player £165
Sonus Faber Signum boxed new £995
Audion golden knights 300b mono blocs new valves £1250
Revox A96 open reel mint £395
Conrad Johnson PV10 pre amplifier as new £495
Audio Research SP14 valve pre amp £1250
Audio Research CDII cd player £2250
EAR V20 integrated amp bargain price £1795
EAR 834P £235
Quad 77 integrated amp with Remote carbon finish £295
Trilogy valve MC head amp £195
Michelle QC power supply £250

£195 EAR 834 L valve line stage £275
Revox A77 Open Reel £295
Counterpoint SA 5000 Pre - the ultimate Valve Pre Amp (very rare) £1495
rosewood end stops new £1500 £495
QED T-237 tuner £75
Chord Clearway mains conditioner new £225 £95
Croft DTL power amp 10 months old £995
Audiolab 8000A Int amp various from £195
Crestion Ditton 10 bookshelf spk's £95
KEF 12 bookshelf spk's £95
Leak Sandwich 250 spk's £95
Marantz 105 tuner £695
Nitech power amp £995
Meridian 206 CD player £750
Audio Innovations L2 valve line stage £325
Audio Innovations S200 pre-amp with valve phono stage £195
Croft original micro valve pre-amp superb phono stage £175
Pioneer 3S reference tuner rosewood side panels £225

Due In

Audio Research VT100 MKII power amp £295
Audio Research remote integrated amp £90
Quad II monoblocs consecutive serial numbers £165
various centre speakers £995
Sonab omni directional speakers £995
Gale 40T chrome anodised speakers with matching stands £1250
Barrard 301 £395
Linn LK100 power amp £495

Various hi-and interconnects and speaker cables PRICES TO CLEAR

Selected products from: ATC, Audio physic speakers, Ear Yoshino, Nottingham Analogue, Creek, Triangle, Sugden, Dynavecator

ERGO ago-go

Mail order service for quality Swiss headphones
Free next day delivery hotline 01924 406016

ERGO MODEL ONE £109.00

ERGO MODEL TWO £149.00

ERGO MODEL AMT £599.00

ERGOPHONES are designed for fatigue free listening and can be used for many pleasure filled hours without discomfort. Acting as a true earspeaker, they have a wide bandwidth capability coupled with low distortion figures of less than 0.30%.

All music types are replayed beautifully, offering a remarkable near-field listening experience. We guarantee superb sound quality at sensible price points.

More info available at www.precide.ch and info@audiosynergy.co.uk

Distributed in the UK by Audio Synergy Limited

SUGDEN HEIL AMT PRECIDE MDM ACE ERGO JECKLIN FLOAT

Private Ads

Dealers must not advertise in the Private Classified section. Monthly consecutive insertions will be considered Trade advertising. The Publisher reserves the right to judge submissions.

DENON DVD 5000 £800.
 Toshiba 50900E as new
 £800. Audioplan Kontrast II
 speakers £500. Sony X77ES
 CD £450. Sony 703ES DAC
 £500. All mostly boxed and
 in mint condition. Tel: 0781
 294 5704 (Mar/I)

RUARK EXCALIBERS (Black
 Piano Lacquer) £4,750.00 cost
 £9,000.00 six months old, can
 deliver. Tel: 01622 721011 or
 07973 899651 (Mar/I)

FALCON DESIGN LS3/5A's ash
 veneer excellent sound/condition
 with stands £295. Rega 3
 black mint condition includes
 cartridges/spare belt £175 Tel:
 01981 550606 (Mar)

CONRAD-JOHNSON PF-R.
 Remote control FET preamp.
 Amazing sound. Naim style musicality,
 incredible midband £1500.
 Naim Naxo-DBL, new style
 £375. Naim HiCap, upgraded to
 new style £375. Tel: 020 7774
 6641 or 01245 283125 Essex
 (Mar/I)

FOR SALE pair Naim 135s (7/00)
 £2250. Supercap (6/01) £1600.
 NAC 82 (4/94) £1000. SBLs (92)
 £500. Tripod stands, any offers.
 Tel: 01984 629086 (Mar/I)

LINN KREMLIN Tuner, early
 model, looks as new with latest
 case, recently serviced, superb
 sound, £1200. Nakamichi DR10
 cassette deck, perfect sound and
 condition, used less than 10
 times, £400. Both boxed etc. Tel:
 01226 718 247 or 07905 020
 719 (S. Yorkshire) (Mar/I)

ATC SIA250 Integrated amplifier,
 wonderful quality and sound.
 Very limited usage. Boxed etc
 £1100 (new £2000) Tel: 01226
 718 247 or 07905 020 719 (S.
 Yorkshire) (Mar/I)

AUDIO NOTE P4 monoblock
 power amps, excellent condition
 £2100 ono. Audio Innovations
 800 Mk3 power amp excellent
 condition £500 ono. All with
 original boxes and instruction.
 Tel: Andy 01642 482393 (Mar/I)

COMPLETE NAIM System, awe-
 some sound, excellent condition,
 sold as boxed with all leads.
 Buyer collects. CDS, CDPS,
 NAC82 (incl. Naim moving coil
 phono input board, NAP250, Hi-
 Cap SBLs passive (black ash),
 Soundstyle equipment stand.
 Package price £5800. Tel: 07710
 390 648 after 6pm, 0775 950
 1906 after 6pm, 01294 311 037
 answerphone or email:
 kenmcw@bigfoot.com (Mar/I)

SME 3009 Tone arm £100. Black
 Cube Phono Stage £160. Gamut
 D200 amp £2000. Sheffield Lab
 Direct Cut Disc Thelma
 Houston £75. Tricord
 Connects from £20 + others
 enquire. Tel: 0118 969 3377.
 (Mar/I)

SONY TC399 Open reel tape
 deck (cost £400 in 1979), with
 15 blank TDK AD tapes, £195.
 Philips 'Black Tulip' preamp,
 power amp and tuner, stunning
 high end system (2x 100w rms, 2
 phono inputs etc, cost £1,000 in
 1980!), £345. Yamaha TC-800GI
 'Ski-Slope' cassette deck, just
 serviced with new head, (cost
 £400 in 1975), very rare, £195.
 all items in excellent condition
 with manuals. can arrange
 insured carriage. Tel: 07870
 657173 (Mar/I)

VERITAS P400 Digital power
 amp, 250wpc, brand new, £2500.
 Meridian 508-24 bit CD player,
 £1200. Meridian 502 preamp,
 £700. Contact 020 7679 2544
 (day), 020 8764 7182 (eve) or
 Email: s.massiah@ucl.ac.uk
 (Mar/I)

SONY SCD-1 CD/SACD player,
 excellent sound, stunning build
 quality, virtually unused, boxed
 etc, £1400 (new £2600) Tel:
 01226 718 247 or 07905 020
 719 (S. Yorkshire) (Mar/I)

DPA 'THE POWER' mains filters,
 4-off £50 each. Sony Minidisk
 MDS-JB930E £100. MDS-JB920E
 £75. Wanted: ATC A7T speakers
 in cherry and boxed. Tel: Mike
 0032 2 512 0952 (Belgium, but
 equipment in North London)
 (Mar/I)

LINN KABERS, pair, walnut,
 immaculate, updated by Linn
 £650. Also six 10m lengths Linn
 LK20 cable, offers invited. Tel:
 01753 643 219 (near Slough)
 (Mar/I)

LINN ISOBARIKS - 4 new
 tweeters £200, Linn LK100 x4
 £800. Linn Kairn Pro £375. Naim
 Nac 42.5 £80, VDH First
 Ultimate £90, VDH D102 II x5
 pairs £150. VDH teatrac (CS
 122 biwire) 4x 2.5m terminated
 £220. Tel: 00353 86 290 4681 or
 Email:
 PATBARRYDUB@hotmail.com
 (Mar/I)

BRAND NEW R.E.L. Strata III
 sub-woofer in beautiful walnut
 veneer. Upgrade forces sale.
 Stunning sound, complete with
 manual and box (£800) £575.
 Tel: Paul 01536 763 737 or
 01536 764 039 (Mar/I)

MISSION 754 Freedom-Fives
 oak floorstanding speakers,
 boxed (£1400) £649. Harbeth
 HL-K6 standmount speakers,
 walnut (£980) £599. Sony TA 50
 ES amplifier, 90wpc, six months
 old, remote (£849) (£449). Tel:
 0115 960 3934 or 07779 045
 059 (Nottingham) (Mar/I)

MERIDIAN 200 - £225. 203 -
 £100. 201 - £225. 209 - £50.
 Together £500. Audio
 Innovations 1000 Mk3 valve
 monoblocks, 50 watts Class A,
 no box hence £575. Tel: Mike
 0032 2 512 0952 (Belgium, but
 equipment in North London)
 (Mar/I)

TECHNICS SLP222A CD player
 £150. Denon DCD820 CD £50.
 Dual CS 503-1 turntable with
 Ortofon cartridge £40.
 Memorex 204 speakers £40. All
 excellent condition. Faulty
 Kenwood KA-660 D amp £15.
 Tel: mobile 07855 354 024
 (Mar/I)

ROKSAN XERXES in rosewood,
 XPS power supply, Ringmat 330,
 Tabriz Zi tonearm £300.
 Lehmann Black Cube MM
 phonostage £225. Tel: 01962 774
 218 or 07767 880 644 (Hants)
 (Mar/I)

CASTLE INVERSION 15 speak-
 ers, maple £290, including
 stands. Teac DTI CD transport
 £240. Musical Fidelity X-Dac
 (HDCD) £120. Musical Fidelity
 X-PSU £80. Tascam DA20 semi-
 pro DAT player £200. Tel: 01803
 865 406 (evenings) (Mar/I)

QUICKSILVER MONOBLOCK
 power amplifiers, 60 watts, good
 condition £800. Also Radford
 SC25 Renaissance valve pre-amp,
 new valves, good condition
 £400. Roksan Caspian integrated
 amplifier, boxed, as new, £400.
 Tel: 01572 723 198 (Mar/I)

PINK TRIANGLE Ordinal DAC,
 Coax, Toslink, 18 and 22 Bit fil-
 ters, Audio Z interconnects,
 £375. Rogers LS3/5A teak, £375.
 Triangle Titus speakers £160.
 Sony X303ES CD player £95. Tel:
 0118 947 3266 or Email:
 telboy99@hotmail.com (Mar/I)

ACCUPHASE C280 Precision
 pre-amp in handsome wooden
 case £795. Accuphase 300S
 power-amp £595. Audio
 Analogue Puccini remcon inte-
 grated amp £395. Orelle DA 180
 DAC £125. Sonic Link Silver
 Aero S130 3m bi-wire speaker
 cables £75. Tel: 01202 767 873
 (Poole) (Mar/I)

WANTED: MUSICAL Fidelity X-
 PSU power supply (4 x 12v).
 Dead or Alive!. Tel/Fax: 01489
 482 053 (Mar/I)

ACTIVE LINN System. 3x
 LK100 power amplifiers with
 Kaber Aktiv cards, Kaber
 speakers (crossovers avail-
 able), latest specification,
 immaculate condition £1900.
 Will consider near offers.
 Will split system if sufficient
 interest. Tel: 01745 540 210
 after 6.30pm (Mar/I)

MARK LEVINSON Proceed
 £150 wpc power amp 2, £875
 (£2500). Stereophile recom-
 mended. Acoustic Energy AE109
 speakers, rosewood, 3 year old,
 £175 ono. (£300). Perfect,
 boxes, manuals. Tel: Bill 01993
 851 508 (Oxford) (Mar/I)

Classified Ads

AUDUSA EUPEN CSA 2.5 MAINS CABLE - HI FI CHOICE SEPT 2001 BEST BUY AWARD



AUDUSA-Eupen CSA 2.5



AUDUSA EUPEN GNLN 5.0 mains cable

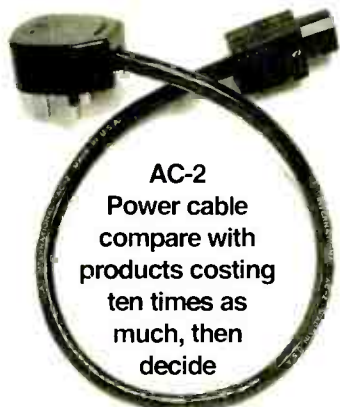
CSA and GNLN Cable with FERRITE TECHNOLOGY - A polymer material mixed with a considerable quantity of homogeneously fine high quality ferrite powder. This compound is called EMC/COM and it can be extruded around copper conductors. The ferrite itself is a non-conducting material, but it has a very interesting magnetic behaviour. As a ferromagnetic material, it will go through hysteresis loops whenever it is under influence of an alternating magnetic field. Consecutively magnetizing and demagnetizing the material will cause considerable losses of high frequency energy. This energy is absorbed in the ferrite grains and converted into heat. This effect is more or less proportional to the field frequency. By coating conductors with a thin layer of ferrite compound, high frequencies will be strongly attenuated, because their energy will be absorbed by the ferrite powder. This applies to high frequency disturbances that are propagating on the conductor and which we don't want to disturb the environment, as well as to surrounding interferences, which we want to prevent from disturbing the signals on our cable. The CSA cable which in addition to the above described ferrite technology is further protected with a foil shield and a drain wire and specifically manufactured for High End audio use.

£48 for 1.0m
£58 for 1.5m
£68 for 2.0m
off the reel £30
for 1st meter, £20
per m thereafter.

Fitted with IEC (Martin Kaiser) and MK Tough Plug. Figure of eight, 16 amp IEC, Bulgin, Neutrik etc also available. Plugs - USA, various European, Schuko, and other types. Cable can be supplied fitted to our all steel 4, 6 and 8 way distribution blocks. We can rewire the distribution blocks with Eupen cable as an extra cost option. Refer to our web site for details.

L A T INTERNATIONAL NJ USA - all cables now with SILVERFUSE conductors

LAT AC-2 HI-FI CHOICE - SEPT 2001 - RECOMENDED MAINS CABLE



AC-2
Power cable
compare with
products costing
ten times as
much, then
decide



LAT AC-2 Power cable. We have developed a cabling (weaving) pattern along with an unusual shielding/filtering system that gets rid of the garbage that contaminates your components. The difference you hear with our cord is astounding. Our power cord takes advantage of silver in its design through use of our proprietary Silverfuse conductors. The conductors are 10 gauge and insulated with Teflon; the best insulation available. Fitted as standard with an IEC and MK Toughplug. Other connectors are available incl Schuko, 16 amp IEC, Figure of eight etc. 60cm £56, 90cm £68, 1.2m £78, 1.8m £99. other lengths available and off the reel at £39 per meter. SE version available with GP Tough plug and IEC, outer black braid all for an extra £12 irrespective of length 4,6 and 8 way all steel mains distribution blocks fitted with UK, Schuko or USA type sockets. CE tested and approved mains distribution units manufactured out of heavy gauge steel, finished in black and fitted with high quality Wadsworth 13amp sockets. It has no filters, circuit breakers, surge protection, transformers, resistors, capacitors, LED's, on/off switches, chokes, regulators, just fitted with 1m of LAT AC-2 mains cable. From £161 for 4 way, £194 for 6 way, £226 for 8 way.

NEW GOLD MK Tough plug with gold plated pins (£14)
Otto Heil IEC with gold plated contacts (£10).

SILVERFUSE is a near alloy of silver and copper. IT IS NOT SILVER PLATED OR SILVER CLAD. Plating (or clad, which is the same thing as plating) causes a dioding effect when signal is passed through resulting in brightness and distortion. The Silverfuse process starts with seven nines OFHC copper wire with a diameter that is slightly larger than the required size. It is then pulled through a trough of molten silver. The wire with a silver deposit, is then forced through a compacting die where it is subject to tremendous pressure. The silver and the high purity copper are fused together into a near alloy. The compacting fusion also reduces the wire diameter to the desired size. No dioding subsequently occurs with this process. The result provides for the benefits of silver; which are excellent definition and clarity, with the high purity copper benefits of warmth and mellowness.

LAT AC-2 mains cable available with 16 amp IEC (MF, KRELL etc), Fig of eight, Bulgin, Neutrik etc sockets. UK, USA, Australia, Swiss, Denmark, France, Italy, Schuko and other plugs. Check our website for available variants.

LAT INTERNATIONAL - Analogue, Digital and Video interconnects and Speaker cable. Refer to www.audusa.com for further details or ask for reviews etc



SIEA 3D-LAB CDP, DAC, TRANSPORT AND DVD's

with SRC sampling rate and bit converter translates 16,18 and 20 bit inputs to 24 bits format. All 32, 44.1 and 48kHz frequency is re-sampled to 192 kHz. This is known as upsampling. The SRC is comparable with that used by DCS in the Purcell unit. Four CDP's with SRC from £1210 to £3999. All CDP's can be upgraded to the specification of the the better models. DVD's with SRC, CV2, Sub-woofer output and optional Faroudja line doubler. CV2 provides CVBS, Y/C, YUV, RVB, RVB/S, RVB-SH-SV etc. DVD's with SRC and CV2 start from £1630. DVD with CV2 £1245. Coming soon five Digital amps

SUNFIRE CORPORATION

New Sunfire True Sub Woofer MKIV 11 inch cube 220v

Signature True Sub Woofer 13 inch cube 220v. Junior Sub Woofer 9 inch cube, Classic Tube Pre-amp, solid state power amps 2 channel and 5 channel and processor pre-amp - now MKII versions and optional 17 inch chassis.



AVI PREAMP S2000MP £500, monoblocks S2000MM £650, both £1100. Van Den Hul 'The First' 1m £105. 01932 886 663 (Middx) (Mar/I)

NAIM NAP 250 power amplifier, power supply and pre amp £300. Linn Sara speakers with stands £200. Linn Sondek LP12, Ittok, LVII, Asak £250 ono. Tel: 01353 778 560 (Ely, Cambs) (Mar/I)

LOUDSPEAKERS SPECIAL high quality prototypes. 30 litre vented birch ply cabinets; Volt and Vifa drivers; finest minimalist crossover, cost £350 to build, offers around £150. Tel: 01943 468 835 (West Yorks) (Mar/I)

AUDIO ANALOGUE Donizetti power amp, silver. Pristine condition, boxed with manual £250. QED Silver Anniversary terminated bi-wire speaker cables, 3m and 5m, £40. Tel: 07985 262 595 after 6pm. (Mar/I)

C-CORE MAINS Transformers. 2x 40v @ 2A. 2x 140v @ 1.6A. 2x 300v @ 60MA. 2x 50v @ 100MA. 1x 9v @ 2A. 1x 9v @ 1A. Silent operation super high quality £90 the pair. Also Jensen copper foil capacitors, 0.47uf + 1.0uf, £10 + £13 each. Tel: 01384 271 571 (Mar/I)

THORENS TD124 MkI, Thorens TD124 MkII, new belt and idler, runs slightly slow. Arcam 170.3 transport, Black Box 3 and Black Box 500 digital control unit. Offers. Tel: Ron 01303 211 461 (Mar/I)

FLOORSTANDING LOUD-SPEAKERS custom 2-way bi-wired transmission line (based on I.P.L. Acoustics design) Delightful sound. Light ash veneer, £260. NAD 4020B analogue tuner (analogue sound!) £45. Owner emigrating. Tel: Simon 0121 453 4023 (Mar/I)

MERIDIAN 557 power amplifier, 2 weeks old, used just to check its working. Outstanding piece of equipment can be bridged 200w/ch, boxed, brand new, get pounds off. All packaging. Tel: Tony 07974 269 044 (Mar/I)

WANTED SONY headphones MDR 3000 and MDR-10 King (wooden) excellent prices paid. Stereophile magazines 1990-97 Tel: 01745 338328 (Mar/I)

ATC SCM-50A active speakers, 6 years old, stands, black ash finish, packaging, mint, £3200 ovno. REL Storm III subwoofer £450. °Tel: Henry 07808 148 851 or 01392 201 776 evenings (Mar/I)

NAIM CDI 1993 £800 ono. Chord Odyssey 4 2 x 5 metres (£380) £260 ono. 2 x 3.5 metres NAC A5 £20. 1 x 5 metre VDH Snowline £15. Tel: Rod 020 8689 8750 (Mar/I)

WANTED: MUSICAL Fidelity X-24 DAC. Must be mint, manuals etc. Tel: Darran 07980 622 294 (Mar/I)

AUDIOLAB 8000 CDM, 8000 DAC, CD player with standard digital cable, Chord Prodac and Kimber balanced cable. Excellent sound and condition. Manuals and boxes. Cost (£2100) £775. Tel: 02380 550 489 or 07789 408 996 (Mar/I)

NAIM CDX CD player, excellent condition, boxed, Chord interconnect, £1375. Tel: 01903 209 135 or Email: terrypeters@aol.com (West Sussex) (Mar/I)

AUDIO INNOVATIONS Series 800 Tenth Anniversary Limited Edition power amp £650. Audionote M2 pre-amp £450. All new valves. Tel: 07801 547 417 (Mar/I)

CABLES MUSIC Works six way distribution block £180. Two metre power leads £45 each. Audio Source Stratos II interconnect £85. Half metre digital £25. Kimber PBJ interconnect £30. Tel: 0161 485 1693 (Mar/I)

QUAD 22 Control unit, 2 MAI I amplifiers, AM tuner, 2 ESL 57 bronze. Offers. Tel: 01386 881 293 (Mar/I)

WHARFEDALE DOVEDALE speakers (offers). Yamaha TX480L tuner £60. Wanted Quad 405 amps, Quad FM3, FM4 tuners for spares. Also required Spendor BCI speakers, Denon DLI03 cartridges. Contact Mike 01758 613790 (Mar/I)

SPENDOR S.P.I. speakers in teak enclosures. Original boxes. Vgc £450. Quad 33 preamp £50. Arcam Black Box re-chipped £30. Tel: 0208 541 4902 (Mar/I)

CHORD RUMOR 5.5m bi-wired speaker cable (£300) £150. Lynwood Source mains conditioner £145. Five Sonic-Link silicon gold power cords £45 each. Tel: 01623 752036 work / 0115 964 1033 home (Mar/I)

MARK LEVINSON Monural reference amplifiers No. 20 excellent condition, awesome build, fantastic performance, cost new £8000 will accept £3995. Tel: 07905 338232 anytime (Mar/I)

NAIM CDX 01/00 £1650. **NAC 82** preamplifier 04/00 £1650. **NAP 140** poweramp 04/00 £400. **PMC FBI** floor-standing speakers dark oak 04/00 £900. All boxed as new can deliver. Tel: 01795 530326 (Mar/I)

NOTTINGHAM ANALOGUE Anna T/table Anna arm No 4 cartridge power supply £4000. Techni-Fi Zikra 300B mono power amps 18 watts single ended £3000. Posselt Albatross speakers rosewood £2000. Tel: 02476 327948 (Mar/I)

GOERTZ MIZ speaker cable 2 x 5m £195. Musical Fidelity M.V. X 2 preamp (cost £2500 new) £695. Audio Research LS2B pre-amp (cost £3400 new) £1295. Nordost SPM interconnect 1 mtr (£850 new) £425. Tel: 01634 268 660 (Mar/I)

A.T.C POWER Amp SCA2-150 boxed £1200. Meridian 508 24 Bit £1100 QLN Signature Speaker c/ w Target Stands £750. Tel: Bill 01738 635 968 after 6pm, 01324 476881 Daytime. (Mar/I)

RUSS ANDREWS (RATA) system comprising CLD 1850 CD, integrated amp and large 3 way speaker system (15" bass drivers). May exchange the RATA 3 way for 2 way. £3250 Tel: 07967 182 599 (Mar/I)

IMPULSE H2 horn loudspeakers (light cherry stained ash) high sensitivity with big, clean, relaxed and dramatic sound £1250 - very reluctant sale from original owner (Essex/M25 area) Tel: 01992 813956 home / 0207 242 5532 work Email: mike_hannibal@lineone.net (Mar/I)

WANTED PIONEER CTF 950 cassette deck. Good condition. Tel: 01926 490 756 (Mar/I)

THIEL CS 3.6 speakers high end US audio, regarded as one of the worlds finest dynamic systems. Boxed in mint condition £2800 ovno. (5K new). Tel: 01903 507489 or 07881 550627 (May I)

TDL RTL3 loudspeakers, rosewood finish, vgc £120 ono. Tel: 01256 358804 (Hampshire) (Mar/I)

PROAC RESPONSE 2 speakers beautiful condition £795. Target R2 stands £150. Hadcock 242 SE 5 months old (£645) £375. Garrard 401/Aphellion plinth recently serviced £325. Nordost Flatline Gold 2 x 4 mtrs £90. Tel: 0208 952 2044 / 0208 908 4633 (Mar/I)

PINK TRIANGLE anniversary turntable, Rega and S.M.E. armboards, battery power supply, black finish, very good condition, £895 ono. Tel: 01224 483642 (evenings) Email: barmonte@aol.com (Mar/I)

CONRAD-JOHNSON EV2000 reference stereo poweramps. Triode-MOSFET hybrid. V.rare, 200wpc true class A, zero feedback designs. C-j serviced, new valves. Battleship build, drive any speaker, superb sound. 2 available, vgc, crates/manuals £2400 each (£6000 new). Nordost Red Dawn spkr cables, 2m pairs. 2 pairs available, £250/pair (£600 new). No timewasters please. Tel: Adil 0208 673 3850 / 0207 919 8559 / 07979 538841 (London) (Mar/I)

AUDIO RESEARCH SP6 superb phono stage. Excellent condition £950. Audio Research D115 excellent condition £975. Linn Lingo £325. Linn Itok £190. Engineers preamplifier, inspired by Audionote M.7. £275. Tel: 0191 281 0260 (Mar/I)

LINN ISOBARIKS rosewood, late models. Boxed with stands, excellent condition, magnificent! Upgrade forces sale £850. Tel: 07771 787413 East Midlands Email: brian_edwards77@hotmail.com (Mar/I)

FARADAY SOUND concrete cabinet loudspeakers. Fantastic sound, reluctant sale. Siren model, see Faradaysound website for full specification. Low density concrete enclosure technology £295. Tel: 01603 762967 (Norwich) (Mar I)

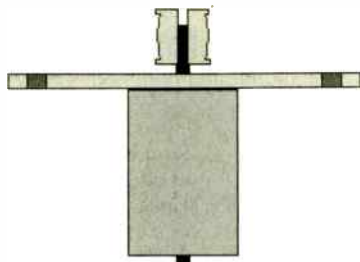
Classified Ads

UPGRADE YOUR TURNTABLE

"If you are thinking of upgrading your system...the Origin Live dc-motor kit should be high on your list for consideration" TNT AUDIO internet magazine April 2000.

"The single most important upgrade you can ever make to any record deck concerns the motor drivenothing can compare you for the shock of going DC, in a word Gobsacking" COMMON GROUND MAGAZINE

"Its value is nothing short of tremendous" LISTENER MAGAZINE



Whether you own a Linn Valhalla/Lingo, Rega or any other deck, the results of upgrading to the Origin Live dc motor and power supply are simply astounding. This high grade motor kit is designed as a drop in replacement for almost all turntable motors. Decks benefiting so far from this ultimate of upgrades include Linn, Roksan, Michell, Systemdeck, Rock, Rega etc. With a 12 Volt power supply it is safe and easy to fit. Guidance instructions are provided. At £262 with fully soldered and tested regulator board plus money back guarantee, this is a bargain out of all proportion to its value in terms of performance. A larger purpose made transformer is also available as an optional extra at £175.

A new breakthrough cable design



LAMINAR FLOW ULTRA

"A high end sound with a sensible look and price tag"
HI-FI WORLD July 2001

"The Ultra's are a deeply satisfying musical product and supreme bargain"
Stereo Times August 2001

Laminar flow cable is a groundbreaking new design of cable. The "Ultra" version is guaranteed to outperform all other interconnects up to 4 times its price and the "Reference" is a cable that reviewers use to judge other cables by, due to its incredible transparency and musicality.

With a money back guarantee if not satisfied you have nothing to lose. Why not order a pair or see your local Origin Live dealer.

Advanced interconnect: £45 per stereo pair
Laminar flow Ultra Interconnect: £85 per stereo pair
Laminar flow Reference Interconnect: £159 per stereo pair

ORIGIN LIVE TURNTABLE KIT

Now you can save money and build your own high performance deck. The standard parts kit is offered at £282 and is complete apart from a plinth. The kit comes with a full set of drawings and guidance instructions. It allows for your creativity or there are optional parts that will enable you to assemble a tried and tested design within 1 - 4 hours. The optional parts include plinths for suspended and non-suspended designs along with sub-chassis etc. The optional parts upgrade the standard kit to high end performance levels and is probably the easiest kit you will ever make.

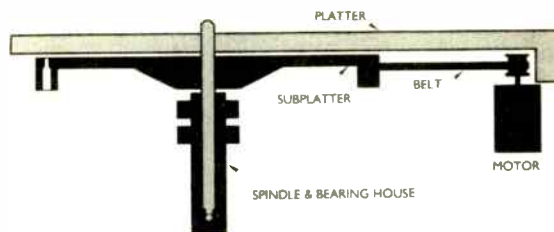
"this Vinyl front end had my jaw heading towards the floor with the solidity and transparency of the music it was making"...
"the standard came up with crystal clear images set in a broad sound stage"... "With all these goodies in place, the standard would give turntables at the £1200-£1400 mark a hard time."

HI-FI WORLD SUPPLEMENT

"is exceptionally easy to build and professional in both sound quality and appearance"

HI-FI NEWS SUPPLEMENT

In group comparison test of 8 turntables, WHAT HI-FI MAGAZINE stated "the origin live turntable is the best sounding deck here... if sonic ability is your top priority just go ahead and buy it... the origin live ultra sounds fantastic" (★★★★★)



TURBOCHARGING YOUR REGA ARM

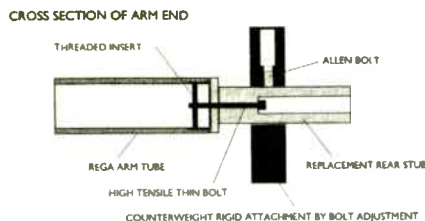
"Nothing less than total dynamite" HI-FI WORLD

If you are the proud owner of any Rega arm, why not utterly transform it into the league of super arms with the Origin live structural modification:- £75. This modification will enable your Rega to perform at a level exceeding that of arms costing over £1200.

Rewiring with high grade litz cable is also offered at an additional £70, and external rewiring is £70.

"I have to say the Rega modifications turn this humble arm into a real Giant killer. Gone is the rather grey, sterile sound of the cooking Rega. Instead, tonal colour is fresh, dynamics have great speed and impact, and the sound stage is huge." HI-FI WORLD SUPPLEMENT NOV 97 (structural modification to a RB250) WHAT HI-FI gave this modification a 5 star rating. ★★★★★

For arm modifications we normally return your arm in 2 - 3 days



FOR FULL INFORMATION SEE WEBSITE OR CONTACT:

Origin Live, Unit 5, 362b Spring Road, Sholing, Southampton, SO19 2PB Tel: 02380 578877 - Fax: 02380 578877
EMAIL: originlive@originlive.com WEBSITE: <http://www.originlive.com>

KEF REFERENCE 3.2 (Albina Burr) new, £1800. Meridian 208 CD/pre 209 system remote, 205 mono power amps £950. Arcam Alpha 9 CD £500. Arcam Alpha 9 amp £300. Tel: 01952 502097 (Telford) (Mar/I)

AUDIOLAB 8000A integrated amplifier £250 ono. Gale 301 black ash solid wood speakers £200 ono (stands included). Chord Company Rumour 2 speaker wire, gold connects (9 metres) £65 ono. Contact Chris May 01942 276175 Email: speckledjim@cmay69.fsnet.co.uk (Mar I)

SME 309 tonearm 3 years old £400 – upgrading. SME Audio lead £40. Tel: 0208 690 4122 evenings (Mar/I)

STANDESIGN 4 Hi-Fi stand. Black metal with four smoked glass shelves. New condition £100 (£190). Tandberg receiver TR220 vgc £100. Tel: 01793 702976 (Wiltshire) (Mar/I)

TOM EVANS The Groove mint £950. Audioplan Kontrast III cherrywood speakers mint £1800. Trichord powerblock 500 £150. Hovland phono interconnect £300. Black Gate Rubicon capacitors various ring for details, half price Tel: 07973 128355 (Mar/I)

AUDIOLAB 8000S £350. Audiolab 8000SX £250 or pair £575. QED Profile silver 12 2x 4m bi-wire £50. Tel: 01925 852316 (Mar)

REGA PLANAR 3 RB300 green. Very good condition boxed. K18 cartridge. Target Audio spiked two shelf stand. £200 the lot. Happy to demo. Tel: 0116 283 9798 (Leicester) (Mar/I)

LINN AMPLIFIERS Kolektor pre-amp and two LK85 power amplifiers, (new £1500), mint condition, only 14 months old, boxed, instructions, under warranty, can demo, only £850, sound great. Contact Richard 0113 275 5701 (Mar/I)

THORENS TD124 fitted SME 3012 arm excellent condition original manuals £245 ono. Leak Delta 70 amplifier very good condition. Realistic offers. Ortofon SPU-G/T elliptical stylus. Offers. Tel: 01792 601180 (Mar/I)

AUDIO ALCHEMY DDS II (Digital Drive System) CD transport, with remote, boxed, excellent condition. £270 (new price £800) Tel: Rudi 0118 973 1958 (h-Wokingham) Tel: 077969 39595 (M) (Mar/I)

EAD OVATION processor/audiophile preamp futureproof retail £4500 - £1900. EAD Theatrevision DVD player progressive output retail £3000 - £1600. Both under manufacturers warranty. Faroudja LD1000 laserdisc player excellent condition £700 ono. Tel: 07949 178941 (Mar/I)

DPA SX128 Reference DAC mint condition and boxed £700 Tel: 01278 653283 Email : trelfas@bridgwater.ac.uk (Somerset) (Mar/I)

EXPOSURE CD player £1000. Group test winner, HFN/RR Dec 97. Digital output with mute plug. CDR/RW compatible. Boxed, mint, manual. Suberb sound. Can demonstrate. £495 ono. Tel: Mark 0131 538 9073 eves / 0131 314 2037 work (Mar/I)

ARCAM A85 amplifier highly reviewed, under 6 months old, mint condition, silver, full remote, £550 (new £750). Tel: 01323 486216 (E.Sussex) (Mar/I)

DYNAVECTOR DRT 507 tone arm in mint condition with box and original packaging. The ultimate tone arm for the connoisseur of music £950 ovno. Tel: 01903 533699 daytime or evenings (Mar/I)

WADIA 3200 transport DPA (Deltrans modification) (£4200) £1595. B & W 801F (£4000) £995. Tel: 01277 211685 or 07966 267404 (Mar/I)

WANTED: TWO KEF B110 two KEF T27 to replace deteriorating units in my Hi-Fi News state of the art speakers. New if possible if not must be pristine both 8ohm. Tel: 00 33 2 33 48 0391 (France) (Mar)

QUAD 63 speakers black and rosewood consecutive numbers serviced by Quad excellent condition £950 including stands. Quad 405 amplifier £150. Tel: 01225 315401 (Bath) (Mar/I)

AUDIOPHILE BASE isolation platforms. 525mm x 425mm (£100) £45. Three 430mm x 360mm (£85). One mint £40. One marked underneath £35. One marked top/bottom £20. Boxed. Superb. Tel: 01752 773369 (Mar I)

B & W CM4 speakers (maple) 8 months old only, rarely used, mint condition with boxes. Must sell due to house move. £900 new, will accept £550 for quick sale. Tel: 01283 704227 (Mar/I)

B & W MATRIX 805 speakers with Soundstyle stands £425 ono. Meridian 566.20 DAC mint £425 ono. Tel: 01992 576551 (Mar/I)

LINN GENKI CD player, new product, mint. Cost £995 sell £595. Tel: Tony 01494 529039 after 6.30pm or 07773 179868 anytime (Mar/I)

SPENDOR S20 Loudspeakers, teak, excellent condition c/w Partington stands, £300 ovno. Arcam Alpha 5 Plus CD player, £250 ovno. Tel: 01529 460 016 (Mar/I)

KEF REFERENCE 4.2 Rosetta burr mint only month old. Should be £4300 sell for £3000. Also Paradigm Servo 15 subwoofer. Should be £800 sell for £400. Tel: 01276 64379 (Mar/I)

CELLO STRINGS! Interconnects, 5ft (£450 each) £179 each. Cello speaker cables, 7ft bi-wire (£320) £179. Nordost Super Flatline speaker cable, 13ft bi-wire (£220) £99. B.C.D. Cones set (£110) £49. Tel: 07786 430 400 or 020 8886 2699 (Mar/I)

THETA PRO-PRIME D/A converter, mint condition, boxed, original owner (£1500 new) £500 ono. Offers considered. Must sell. Tel: 01509 215 230 (Mar/I)

REVOX B-77, Very little use, £600; Quad 33/300/303, Tuner/Amp, Quad reconditioned, Offers on £300; Pair Quad ESL 57's, £450; Ferrograph 5 Needs record oscillator coil, Offers; Ferrograph 6, good condition, Offers. Tel: 01425 622417 (Mar/I)

TURNTABLE TECHNICS DDSL120 SME 3009 Shure V15 cart £200. Pioneer PLD12 £40. Tuner Delta 30 FM £40. Hitachi 5500 offers. Amp Creek A42 offers. SME 3009 arm £70. Tel: 01606 784 767 (Mar/I)

FOR SALE: 4 x Aktiv Klout amplifiers, Pair Keltik Aktiv loudspeakers (black) + cables. Owner upgrading Linn system. £5,500. Tel 0161 766 1021 (Mar/I)

GUIDELINES FOR BUYING AND SELLING SECOND-HAND EQUIPMENT

FOR THE BUYER

1. Not everyone is honest - Buyer Beware!
2. **Don't send cash!**
3. Accept no verbal guarantees.
4. Have you heard the item or something similar? If not, why do you want it?
5. Don't pretend to have knowledge - it's your fingers that will get burnt!
6. Is it working? If not, why not?
7. Has it been modified and, if so, have notes been kept?
8. Was it any good in the first place?
9. **Don't send cash!**
10. If you are in the slightest doubt, arrange an audition (see point 5). If it's too far, wait for another time.
11. Either buy it or don't: vendors are excusably impatient with 'consultation' exercises.
12. **Don't send cash!**

FOR THE SELLER

1. Not everyone is honest - Seller Beware!
2. Make no verbal guarantees.
3. Even 'nearly new' is still second-hand. If the manufacturer's guarantee is no longer in force, your price should reflect this.
4. There is very little intrinsic value in second-hand hi-fi; it's only worth what some one will pay for it.
5. The best guide to pricing is last month's Classifieds: that a 'classic' was worth £xxx a year or two ago is no guide. Values fall as well as rise.
6. Amateur second-hand dealing is not a big money game: you win some, you lose some.
7. Be prompt with despatch. If in doubt about buyer's bona-fides, either wash out the deal or send C.O.D.
8. There will always be time-wasters; be tolerant within reason!

	Was	Now
CD players DACs & Transports		
Audio Analogue Maestro CD Player Ex-Demo	1200	799
Audio CDT Transport Ex-Demo	549	399
Audio Note DAC 0 Ex-Demo	449	299
Naim Audio CDI Integrated CD Player S/H	1990	999
Roksan DA2 DAC S/H	599	299
Roksan DS5 PSU S/H	579	325
Teac P700 Transport S/H	1099	699

	Was	Now
Turntables Tonearms & Cartridges		
Audio Note IO Kondo Built S/H	2500	749
Basis 1400/RB250 (New & Boxed)	1300	899
Conrad Johnson EV-1 Phono Stage Ex-Demo	1499	1349
EAR MC3 Transformer (3 Months old)	625	499
Kuzma Stogi/Stabi S Turntable (New & Boxed)	1299	1099
Linn LP12/Lingo/Ekos S/H	3500	1299
Linn Axis Turntable/K5S/H	N/A	249
Rega P3 Turntable S/H	298	199
Roksan Xerxes/Rega RB300 S/H	1000	450
Roksan Xerxes/SME 309/DV17MK2 S/H	2000	995
Roksan DS1.5 PSU Ex-Demo	695	499
Transfiguration Sprit MKII (New& Boxed)	950	700

	Was	Now
Preamplifiers		
Audio Note M Zero R Ex Demo	599	449
Audio Note M Zero S/H	449	275
Audio Note M1 Phono Preamplifier S/H	750	449
Conrad Johnson Premier 14 Ex-Demo	1999	1750
Conrad Johnson Premier 17LS Ex-Demo	4500	3999
Krell KAV-S Processor/Preamplifier DTS/AC3/Pro Logic S/H	14989	5999
Mark Levinson No 25S Phono Stage S/H	5999	2999
Roksan L 1.5 Reference Line Preamplifier S/H	2250	1395
Spectral DMC10 Phono Preamplifier	N/A	995

	Was	Now
Amplifiers		
Accuphase E211v Integrated Amplifier New	1950	1499
Accuphase E307v Integrated Amplifier New	3295	2799
Conrad Johnson MV 55 Valve Power Amplifier S/H	1995	1099
Bow Technologies Wazoo XL Amplifier (New&Boxed)	2495	1950
Conrad Johnson Premier 11 Power Amplifier (New&Boxed)	3695	2799
Densen Beat 300 power Amplifier Ex-demo	795	599
Electrocompaniet AW60 (New&Boxed)	999	699
Golden Tube Audio SI-50 MKII Valve integrated (New&Boxed)	1100	699
Graaf Venticinque 25 Watt Integrated S/H	1795	995
Roksan Rok S1.5 Power Amplifier S/H	1499	995
Unison Simply 4 Valve Integrated Ex-Demo	1600	999

	Was	Now
Loudspeakers		
Audio Note AN-J D Blk S/H	985	499
Audio Note AN- JStands S/H	300	175
Boston Acoustics VR 10 Centre Channel (New&Boxed)	250	175
Boston Acoustic Lynfield Monitors inc Stands S/H	2000	995
Infinity Outrigger jr Outdoor Speakers (New&Boxed)	249	129
Jamo Concert 8 Mahogany S/H	1400	799
Roksan Ojan 3X Rosewood S/H	1299	699
ProAc Tablette 50 Signatures Curly Maple S/H	1295	750

	Was	Now
Loudspeakers (con't)		
Robertson Audio DX7 Cherry Ex-Demo	995	599
Sonus Faber Concerto Walnut S/H	950	650
Totem Tabu Mahogany Ex-Demo	2300	1599
Totem Arro MKII Cherry New& Boxed	1095	849
Totem Model One Signatures Cherry Ex-Demo	1695	1199
VelodyneTX810MK2 Subwoofer S/H	695	349

	Was	Now
Cables & Accessories		
Bow Technologies Wand Remote (New&Boxed)	349	199
G- Flex isolators (New & Boxed)	199	75
Irem Esopwer Mains Filter 6 way S/H	400	299
Goertz MI-2 2x6mCopper Ribbon Speaker S/H	650	399
Naim Audio2x5m Speaker cables white S/H	N/A	45
Roksan HA01 1M Interconnect S/H	99	49
QED Genesis Sliver Spiral 2X 3 M S/HH	395	199f
Sound Style 4 Tier in Green S/H	325	159
Tara Labs Decade 1.5m RCA 75ohm Digital New	625	299
Tara Labs Decade 1.5m AES/EBU 110 ohm Digital New	675	325
Tara Labs RSC Air 1m AES/EBU 110 ohm Digital New	450	299
Tara Labs RSC Air 1m RCA 75 ohm Digital New	345	199
Transparent The Wave 2X7m S/H	599	299
XLO 2X7m Type 0.6 Speaker Cables Shotguned S/H	750	399

	Was	Now
Tuners & Tape Decks		
Audiolab 8000T Tuner S/H	850	499
Magnum Dynalab FT-R Remote Switcher for FT101A/Etude (New&Boxed)	450	299

	Was	Now
Clearance Items Under £100		
Thorens TD125 Turntable S/H	N/A	99

Midland Audio X-change are looking for Audio Research, Krell, Mark Levinson, Naim Audio, Theta, Wadia, cash paid call John Roberts on 01562 822236 now!



- Suppliers and installers of High Quality Audio Systems :
- 47 Laboratory : Graff
 - Accuphase : Gryphon
 - Audio Note : Lavardin
 - Audio Research : Mark Levinson
 - Avid : Martin Logan
 - Basis : Michell
 - Cabasse : Nagra
 - Cardas : Primare
 - Clearaudio : ProAc
 - Conrad Johnston : Rega
 - Copland : Resolution Audio
 - Dcs : Sonus Faber
 - DNM / Reson : Spectral
 - Einstein : SPM
 - Electrocompaniet : Sugden
 - Final : UKD
 - Finite Elemente :

www.midlandaudiox-change.co.uk

call John Roberts Tel / Fax 01562 822236

181 Franche Rd • Kidderminster • Worcs • DY11 5AD

e-mail sales@midlandaudiox-change.co.uk

Mobile 07721 605966

Trade Ads

Dealers must not advertise in the Private Classified section. Monthly consecutive insertions will be considered Trade advertising. The Publisher reserves the right to judge submissions.

VINTAGE WIRELESS
 COMPANY LONDON
 Website: www.vintagewirelesslondon.co.uk
 Buy-Sell-Exchange. Vintage wireless and classical audio. Repairs, spares, restoration, modification to all valve equipment. Quad II, Leaks etc, shipped worldwide, best prices, call us at 17 Bell Street, London, NW1 5BY. Tel: 020 7258 3448
 Fax 020 7258 3449 Email: vwirelesslondon@aol.com (Oct02/1)

WANTED - EARLY HI-FI LOUDSPEAKERS
 Tannoy, Lowther, Parmeko, Voigt, Vitavox, RCA WE etc
TURNTABLES
 Garrard, BBC301, EMT SME, Ortofon, Decca, etc.
VALVE AMPLIFIERS
 AEI, EMI, Leak, Rogers, PYE-Quad, WE etc
AUDIO VALVES
 DA30, KT66, KT88, PX4, PX25, PP3/350, WE300
CLEAR CRYSTAL SYSTEMS
 John Petrie-Baker
 Tel: 020 7328 9275

AMAZING INTERCONNECTS!
 Hand built pure silver cables with world class connectors. Fantastic performance, money back guarantee. £105 per metre pair, £5 p&p. Other lengths available. Details: 0115 982 5772 after 7pm, Email: Bob@skydivers.co.uk (Apr/1)

DX4/EX4 LOWTHERS Half
 Price, ex-demo. Less than 100 hours. 1 pair of each. Surplus to our requirements. Tel: 01483 268 814 or email: info@hornutopialoudspeakers.co.uk (Apr/1)

AUDIO SELECTION. Ear-Yoshino 8L6 50 W-RMS £2199, (POA) Meridian 201/205s 100w monoblocs £750. Arcam CD £140. Paradigm 100wsb £150. Quad 33/303 (120v) £120, IMF TLS 80 II's £800. Pioneer VSA-303 AV £170. P/X wanted - TAG 60i/8000A/M's Meridian 557/506 + ESL63's Tel: 01206 510392 (Mar/1)

CONCRETE CABINET
 Loudspeakers, 'A sonic revelation'. For low density concrete enclosure loudspeakers see www.faradaysound.co.uk. Excellent reviews, superb new appearance. Stand or floorstanding, incomparable sound quality since 1989. DIY options available. (Mar/1)

SALE! SAVINGS on top names plus new award-winners. Also selected products; exclusives - Gutwire, Pierre Gabriel, Power Snakes; accessories, spares, service and Black Gate upgrades! E-mail stuart@audioatmosphere.com Telephone 01785 711 232 (Mar/1)

CARY 300B Signature monoblocks, boxed £2595. Restek Tensor stereo power (huge) (£3300) £1495. Audio Research LS5 MkIII (£5000) £2500. Audio Physics Virgos MkII loudspeakers, boxed £1650. Krell KSP-7B pre/psu, boxed £999. Tel: 020 7349 9675, mobile 0795 860 7613, website: www.geocities.com/olddays/audio (Mar/1)

KRELL KAV3001 £1495. KR Enterprise VT6000 (£6300) £4500. Mark Levinson 36 DAC/HDCD £1950. Nakamichi Dragon cassette £1200. Nakamichi RX-505E £595. Nakamichi RX202E £395. Nakamichi 1000ZXL £1200. Wadia 3200 £1050. Audio Alchemy 4 Chasis CD/DAC £1200. Tel: 020 7349 9675, mobile 0795 860 7613, website: www.geocities.com/olddays/audio (Mar/1)

BBC LS3/4 'rare' broadcast corner speakers, teak/gold covers, 1950s, 30kg each, large crossovers/transformers, collectors £395. Fostex 80-8 track machine, manual £295. Martin Logan CLZ11 speakers £1995. Tel: 020 7349 9675, mobile 0795 860 7613, website: www.geocities.com/olddays/audio (Mar/1)

LEIDER SPOOR, pure silver speaker cable, 2.01 mtr (£1200) £650. Crimson 610 / 620 pre / power £300. Deltec Black Slink 0.75 interconnect £90. Deltec Black Slink 1.0 mtr WBT's £100. Audio Technica OC9 cartridge brand new exchange £240. Please telephone Jules on 01792 28006, E-mail: sales@sounddrjuleshifi.co.uk Web: www.sounddrjuleshifi.com (Mar/1)

GROOVE PHONO Stage, Brand new £1500. Linn Sondesk, early 1980's £300. Myriad T20 CD player, as new £250. Transparent Music Link Super 25ft, interconnect RCA £600. Transparent Music Wave Plus Bi Wire Speaker cable 8ft £300. Please telephone Jules on 01792 28006, E-mail: sales@sounddrjuleshifi.co.uk Web: www.sounddrjuleshifi.com (Mar/1)

MICHELL GYRO, up-graded, Orbe platter, Orbe motor, Orbe bearing, Latest Orbe suspension mounts, 2 x arm boards (Rega / SME) QC Power supply, Acrylic baseboard, Boxed and in Mint condition £1250. Krell KRC-2 pre-amp, as new £1900. Michell ISO / Hera £330 ono. Please telephone Jules on 01792 28006, E-mail: sales@sounddrjuleshifi.co.uk Web: www.sounddrjuleshifi.com

SONY CDP R1 Reference. Transport Das R1 Dac as new. (£6000) £2600 excellent condition, Denon POA 660, mono amps, boxed as new £650 mint. UKD Opera Callas Gold speakers as new £720, Please telephone Jules on 01792 28006, E-mail: sales@sounddrjuleshifi.co.uk Web: www.sounddrjuleshifi.com

MARTIN LOGAN owners SL3 etc bass problems - booming overbearing no control. Bass affects the overall sound. Lack of detail muddy midrange. For the solution and total transformation please. Tel: 01226 764272 (Mar/1)

STUDER B62 stereo with rare twin VU meter panel not BBC, rebuilt and repainted £3300 in 1976 price, £1200. Studer D780 R-DAT with mic/line inputs £850, A80 RC Mk II VU model £950. EMT 950 £950. Tel: 01246 275479 Fax: 01246 550421 (Mar/1)

APEX ACOUSTICS 2002 sale, huge reductions on quality equipment, For example Musical Fidelity A3 CD player as new down to £550, Musical Fidelity A3 Amp as new £699, Cyrus disc & dacmaster down to £750, 10% off all new cables from Ecosse & Townshend, see website for loads more bargains in all departments. Phone Steve Mosedale on 07773198336 or 01527450500, E-mail: apexnm@aol.com - Website: www.apexacoustics.co.uk (Mar/1)

MOTIONAL FEEDBACK sub-woofer -3db at 12Hz! No muddiness. Sharp uncoloured bass from a shoebox. Easily interfaced with your system. Small footprint, volume only 29 Litres assembled £599. Kit £499. Details 01243 532464 (Apr/1)

NAIM SRI speakers, silver wired, uprated Scan-Speak tweeters active/passive. Bargain at £850. Tel: 0121 553 1121 (West Bromwich) (Mar/1)

WYCHWOOD DESIGN. Specialist Hi-Fi furniture for audio equipment. Hand crafted in solid English oak with carved panels, finely laid Italian 23 carat gold leaf. Speaker stands. For details telephone: 01935 825220 or 078 12345 169 (May/1)

TELEFUNKEN M15A £1200. M10 valve £1500. EMT 950 £895. 948 £600. Studer A80 VU MkII £750. A810 VU £1100. B67 VU £750. Nagra T. Audio £1800. IVS £1200. E-Mono £400. Technics SP10 MkII £280. SLP1200 CD £400. Studer A725 £550. Tel: 01246 550 421 or Fax: 01246 275 479 (Mar/1)



classified ads order form

Dealers must not advertise in the Private Classified section. Monthly consecutive insertions will be considered Trade advertising. The Publisher reserves the right to judge submissions

SPECIAL OFFER
Book a private or trade classified advert, and get one months *FREE internet advert
***FREE internet adverts are published three weeks AFTER the magazine has been published**

**In a rush to get your advert published?
Why not use our Instant Internet Advert to get on our website immediately.
Only £15 per week (7 days)**

RATES - ALL ADVERTS MUST BE PRE-PAID

Maximum length per advert is 30 words, each additional word is 50p extra. Telephone numbers and E-mail addresses are treated as one word. Model numbers are treated as one word i.e. Quad 303 = two words. Please tick the box for the advert required

Instant Internet Only Advert Private or Trade published immediately	£15 per week	<input type="checkbox"/>
Private magazine advert plus *FREE internet advert	£10 per month	<input type="checkbox"/>
Private magazine advert display black box plus *FREE internet advert	£15 per month	<input type="checkbox"/>
Trade magazine advert plus *FREE internet advert	£10 per month	<input type="checkbox"/>
Trade magazine advert display black box plus *FREE internet advert	£15 per month	<input type="checkbox"/>
Please tick here if you DO NOT WANT your FREE internet advert <input type="checkbox"/>		

Please write or type your advertisement copy in block capitals with one word per box.

Please continue on a separate sheet if necessary.
WE WILL ACCEPT PHOTOCOPIES OF THIS FORM

1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30

Name _____
Address _____
Post Code _____
Daytime Tel: _____

12 boxes for card details:

Please debit my VISA/MASTER/SWITCH Card No.(Switch card issue No _____)
Expirey Date: _____ Cardholder Signature: _____

I enclose a cheque/postal order for £ _____ Made payable to: Audio Publishing Ltd.

Send in your private classified ads with our NEW Freepost service. No need for a stamp!

Send this form together with your payment in an envelope marked:

Hi-Fi World, FREEPOST LON3478, LONDON NW6 6YR

PRIVATE & TRADE CLASSIFIED ADVERTS COPY DEADLINES

APRIL 2002 ISSUE - THURSDAY 7TH FEBRUARY 2002

MAY 2002 ISSUE - THURSDAY 7TH MARCH 2002

ADVERTISERS INDEX

Affordable Audio	88
Arcam	44
Audio Connoisseurs	70
Audio Illusion	96
Audio Jumble	112
Audio Salon	72
Audio Synergy	122
Audio T	42
Audusa	124
Billy Vee	93,94,95
Campaign Audio Design	58
Central Audio	108
Choice Hi-Fi	98
Chord Company	56
Classique Sounds	119
Creek Audio	40
Custom Cable	109
Cyrus	8
Definitive (Brighton)	113
Definitive (Notts)	36
Diverse Vinyl	121
Emporium (The)	116
G.T. Audio	58
Heathcote Audio	115
Heatherdale	109
Henley Designs	18, 97
Hi-Fi Trading Co	100, 101
Hicam	99
Ian Harrison	117
Icon Audio	36
IES	48
Jem Distribution	109
Linn	IFC
Listening Rooms	121
Mana	119
Mantra Audio	97
Matrix	118
Michell Engineering	14
Midland Audio Exchange	110
Mission	BC
Music & Video Exchange	99
Musical Fidelity	46
Musical Images	112
Musonic	113
Naim	IBC
Origin Live	114
Oxford Audio Consultants	108
Progressive Audio	113
Retro Reproductions	122
Sevenoaks 27, 28, 29, 30, 31, 32, 33	
Sound of Music (Crewe)	117
Soundcraft	109
Sounds Expensive	117
Sounds Of Music (Kent)	92
Sounds Perfection	58
Soundstage	118
Stowsounds	118
The Right Note	56
Trichord Research	36
V'Audio	119
Wavelength	117
Williams Hart	112



Faithful to your music



Music as it was meant to be heard • Systems start from £3000

For your nearest stockist call +44 (0)1722 332266. Or visit www.naim-audio.com World Radio History



MISSION



m70
series

Mission, Synchonix Ltd, Huntingdon PE29 6EY
Tel: +44 (0) 4480 423700 www.mission.co.uk