
Pocket Product Guide



Telephone Interface
Frequency Extension
Audio Conferencing
Audio Processing
Spectrum Systems
Remote Control
Studio Products

Audio Routing and Distribution

GENTNER

Gentner Builds Solutions.



At Gentner, there is no such thing as a generic product.

Gentner Electronics Corporation designs and manufactures products with a purpose. We have one goal in mind: meeting the stringent requirements of your specific applications.

Each product is designed to solve specific problems, not force you to adapt your application to the product. That's why we have an extensive line of telephone interface equipment...why our patch panels are all custom-wired ...why our remote control system has such flexible access capability.

Reliability is just as important. Our product designs, once proven through extensive "real world" testing, enter the manufacturing process with extremely narrow quality and performance guidelines. Lengthy "burn-ins" ensure durability and long-term satisfaction, even when the products are subjected to continual operation in less than friendly environments.

Whether you're specifying Gentner Audio Routing and Distribution products, Remote Control Systems, Audio Conferencing equipment, Audio Processing, Digital Frequency Extension or Telephone Interface products, there is one thing of which you can be totally certain.

You can rely on Gentner.

Telephone Interface



If you need to interface the telephone to your audio equipment, a Gentner hybrid will give you the audio quality you want with extra features that make operation easy. All Gentner telephone products give you duplex audio, true two-way communication without bothersome clipping or cutoffs.

Microtel

This portable, rugged unit is ideal for news reporters, sportscasters, ENG crews, or salespeople. It replaces the handset of the telephone, giving you hands-free phone operation and an easy way to send and receive other audio sources. Connections are provided for microphone, headset, and auxiliary inputs/outputs such as a tape machine.

Hybrid Coupler

The Hybrid Coupler connects directly to the telephone line and is used to send or receive audio or other information. The unit's passive design allows you to "tap" the phone line, using the telephone and coupler simultaneously, or it can seize the line. Use it for news or producer feeds, or sending a church service to shut-ins.

Auto Coupler

This telephone coupler can send or receive line level audio sources and will automatically answer after one complete ring. It disconnects when the caller hangs up. Use the Auto Coupler for information lines, IFB, or any use requiring automatic operation.

Auto Coupler CP

For phone lines without "loop drop," the Auto Coupler CP's call progress decoder will provide disconnect on dial tone, busy, or reorder.

TC-100

This versatile telephone hybrid can be used for auto-answer information lines, on-air telephone calls, or program feeds. Simple remote control of equipment is also possible; an optional Touch-Tone® decoder provides contact outputs when the user presses a button on the phone keypad.

SPH-3A

The SPH-3A is an analog telephone hybrid that provides clean, clear telephone audio for on-air calls, news interviews, or production studios. It installs easily, and is simple to operate.

SPH-5

The SPH-5 combines advanced analog hybrid technology with superior operational features to give you outstanding performance and aural quality. Its Cue and Record buttons simplify operators' work, switching between on-air and off-air operation and even starting the tape machine. Telephone calls are smooth and well executed with the SPH-5.

Digital Hybrid II

Great audio quality is what the Digital Hybrid II is all about. It uses the latest Digital Signal Processing (DSP) technology to automatically deliver outstanding hybrid null, maximum isolation between Caller and Send audio, while maintaining sonic quality that rivals analog. The Digital Hybrid II also incorporates Gentner's unique Cue and Record features, making operation easy.

The Digital Hybrid II is ideal for the most demanding telephone applications, including broadcast talk shows and audio conferencing.

Frequency Extenders



How do you get a better sound out of dial-up phone lines? The answer is frequency extension, although it may be more appropriate to think of it as frequency recovery. Frequency extenders shift the audio spectrum to fit within the frequency “window” provided by the phone line (usually 300 to 3300 Hz). At the other end, the audio is shifted back to its normal spectrum. The result is the passage of frequencies that would not normally be accepted by the phone system. Audio sounds richer, more natural...the “tinny” sound is gone!

EFT-100

This single-line frequency extender works with existing telephone hybrids or couplers to improve the quality of telephone audio. Use it to receive frequency extended remotes, or to send a church service to the radio station for broadcast.

EFT-900A

The EFT-900A is self-contained to keep equipment needs low at the remote site. It has a built-in telephone coupler, mic preamp and headset amp. And, like all Gentner frequency extenders, it provides two-way operation. The EFT-900A is ideal for sports or sales remotes.

EFT-1000A

Auto-answer/disconnect and automatic configuration make the EFT-1000A the perfect "hassle-free" remote box. It has connections for two phone lines, giving you the capability of continuous return cues or a simultaneous feed to two sites.

SPH-5E

For versatility, use the SPH-5E at your broadcast studio for both frequency extended and non-extended telephone interface. The unit is a high quality analog hybrid with frequency extension, record, and cue features built-in.

EFT-3000

High quality audio on standard phone lines is possible with Gentner's EFT-3000. This DSP-based unit uses three dial-up lines to deliver 50 Hz to 7.5 kHz. Auto-answer, auto-setup, built-in tone pad, and automatic correction of differential line delay are just a few of its capabilities. Call us or your Gentner dealer for a demo tape.

Note: Frequency extension systems require the use of an extender at each end of the phone line. Gentner's EFT-100, EFT-900A and EFT-1000A are interchangeable; the EFT-3000 is only compatible with another EFT-3000.

Audio Conferencing



Telephone meetings are becoming a popular alternative to costly travel. By gathering your staff and associates electronically, you minimize distractions and time away from work. Gentner provides products that make these meetings easy and understandable. Our telephone hybrids give you full duplex audio, two-way conversation without upcutting or annoying gaps in speech. We can help with multi-site conferencing, too. For daily or weekly meetings, interactive training, or fast get-togethers, an audio conferencing system with Gentner equipment will make you and your people more productive.

Digital Hybrid II

The heart of a boardroom audio conferencing system, the Digital Hybrid II interfaces the phone line to your audio equipment. Its digital auto-nulling circuitry ensures a clean, effective connection to the phone line, with maximum isolation of local and incoming audio. Conference calls will be crisp and clear, free of hollow sounding audio or feedback.*

* Acoustic treatment of the conference room is necessary to prevent "acoustic echo", feedback caused by microphones picking up audio from the room speakers.

EFT-100

In point-to-point audio conferencing, an EFT-100 placed at each end of the call will dramatically improve the audio quality of the phone line. The EFT-100 recovers low audio frequencies and reduces line hiss and hum. The result is more natural sounding audio and reduced "listener fatigue" in long meetings.

Spectrum Systems



Gentner is pleased to introduce the broadcast industry's first all-digital on-air processing system! Spectrum System products digitally transport your signal from audio output to exciter input, while providing precise control on processing and limiting. Try out Spectrum System products and hear for yourself. You'll be amazed at how much audio quality and control you receive.

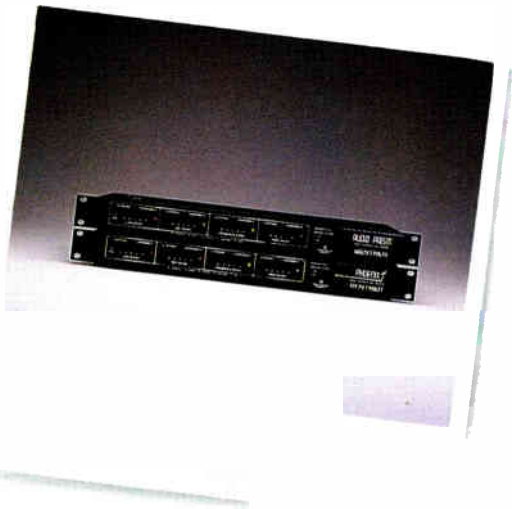
Lazer

Get the cleanest stereo separation and limiting possible! The all-digital Lazer delivers excellent aural specifications while providing you with total modulation control. Clean, precise separation is due to the Lazer's totally digital process. Your music holds its true sound. Distortion is a thing of the past. Front panel push buttons and a numerical readout allow you to preset specific operation parameters.

Prizm

How do you want your on-air audio to sound? This 4-band, completely digital audio processor gives you total modulation control. You can achieve the sound you want by simply specifying precise parameters from a front panel menu. Digital manipulation of audio means that each audio band is phase linear, thus preventing distortion. Therefore, you can increase modulation without sacrificing audio clarity. And, your parameters stay fixed. This assures a consistent sound within your legal limits.

Audio Processing



In radio broadcasting, dial presence is a critical factor in ratings and station revenues. Gentner Audio Processing products help you achieve the “loudness” you need, with a clean, smooth sound.

Audio Prism

The industry standard for FM processing, the Audio Prism uses digital control to provide crisp, clear audio without “pumping” or other distractions. The Audio Prism’s four band processing gives you precise control over the sound of your station and your presence on the dial.

Phoenix

Meet NRSC-1 requirements while giving your AM station’s sound a significant boost. The Phoenix uses the same digital control and four-band processing as the Audio Prism, providing clarity and punch for your signal. You can have a stronger presence in fringe areas, increasing your listener base.

Remote Control



VRC-2000 Remote Control System

Simple, effective transmitter remote control, 24 hours a day, is possible with Gentner's VRC-2000 Remote Control System. The VRC-2000 can be accessed from virtually anywhere, giving you ultimate flexibility in trouble-shooting or checking conditions at your transmitter site.

The VRC-2000 offers access by dial-up phone line, radio link, data link or bi-directional audio link. Its synthesized voice response provides an audio interface to the system - punch in touch tones and it talks back to you. Complete remote control capability, automatic time-of-day functions and automatic alarm reporting and correction make the VRC-2000 the most versatile remote control available.

System accessories

A wide variety of accessories are available to make your VRC-2000 system most effective. They include: a Data Interface, for controlling the VRC-2000 by terminal or PC; interconnection panels; antenna monitor interface; temperature sensors and surge protection devices. Call our sales department for complete details.

Studio Products



For broadcast, recording and production studios, Gentner Studio Products help your operation run smoothly while providing outstanding audio quality.

6X Headset/Speaker Amplifier

Designed for flexibility and high performance, the 6X gives you superb audio specifications while providing up to two watts per channel output. A master stereo input feeds all 6 stereo outputs; in addition, each of the outputs has a direct input which can mix with, or switch the master audio in a variety of ways.

Combination Remote Mixer

The CRM combines a high quality 4-channel mixer with a flexible 4-output headset amplifier to provide a powerful package for broadcast remotes. Individual channel limiting, phantom power, independent level control and direct inputs/outputs are just a few of its capabilities. Call us for more information and to arrange a demonstration.

Silence Sensor

The Silence Sensor monitors your audio - whether it's a satellite feed, studio output or tape machine - and acts quickly to alert you or start a backup source if audio is lost. Its fully automatic operation and adjustable time-out delay make the Silence Sensor a must for any facility that depends on continuous audio.

Audio Routing and Distribution



Whether you're working on a broadcast studio, sound system installation, or a production facility upgrade, Gentner Audio Routing and Distribution products can make your job easier. Gentner Patch Panels, Distribution Amplifiers and Signal Switchers allow you to configure your audio system for fast installation and quick re-routing of sources. And, reliability is guaranteed.

Pre-wired Audio Patch Panels

Custom wiring is our specialty. Our patch panels are hand wired exactly to your specifications, thoroughly tested, and delivered ready for installation. We maintain a large stock of bay fronts, jacks, wire and terminations to ensure fast delivery of your order. Call us for a quote on your requirements.

Versapatch

This chassis enclosed audio patch panel provides easy interconnection to your equipment, along with RFI and dust protection. Versapatch/FB uses Gentner's Flexiblock, a unique stranded wire punch block; Versapatch/66 uses a telco type "66" punch block and solid wire.

Flexiblock

This unique insulation displacement (IDC) block gives you fast, reliable punch down connections when using stranded wire. Its high density allows you to connect up to 4 wires per terminal. Flexiblock is UL and CSA approved, and meets stringent military standards. Try it in your next installation!

EasyTerm

EasyTerm is a rack-mounted wire termination panel, ideal for use in tight spaces such as production trucks or crowded equipment rooms. Wires are routed to EasyTerm from inside the rack; its hinged panel allows you to swing the termination out of the way to access your equipment and cables. EasyTerm/FB uses Gentner's Flexiblock connector; EasyTerm/66 uses a telco type "66" punch block.

Installation Accessories

Patch cords, punch tools, unwired bayfronts, punch blocks and cable are all in stock for fast delivery. Call our sales department for details.

Routing Distribution Amplifier

The RDA gives you maximum flexibility in audio distribution. Any of the unit's 8 inputs can be routed, in any combination, to any of its 28 outputs. Use the RDA to create custom mixes, to feed an input to a large number of outputs, etc. The Routing Distribution Amplifier has outstanding aural quality to match its versatility.

Signal Switchers

When reliability is as important as easy operation, a Gentner Signal Switcher can help. Our switchers' passive design ensures transparent, noise free selection of sources. And, because they use magnetically latching relays, you can be assured that your source will remain selected until you change it.

The Signal Switcher 10 selects 10 stereo signals to a stereo output; the Signal Switcher 20 selects 20 mono channel inputs to a mono channel output.

Our Promise To You



*Every product you order,
before it goes out the door,
has been thoroughly inspected,
performance tested, and is
packaged for safe transit.*

You have our word on it.

GENTNER

*1825 Research Way
Salt Lake City, UT 84119-2348
Phone (801) 975-7200
FAX (801) 977-0087*
