

# DYNAMAX<sup>®</sup>



Model MX18E

# DYNAMAX MX Series

## THE RIGHT FEATURES

The Dynamax MX Series is a true breakthrough in the field of cost-effective audio mixing consoles. Never before has such a combination of quality and features been offered at such an affordable price.

MX Series consoles have a spacious, easy to use layout, and are available with either rotary or linear faders. MXR consoles are available with 6 to 12 rotary faders. MXL consoles offer from 6 to 12 linear faders mounted three inches apart. MXE consoles permit 10 to 18 linear faders mounted two inches apart.

All modules feature a virtually indestructible control surface overlay, far more durable than paint or silk-screening, ensuring that your MX Series console will look as good as new for years to come.

The standard count-up event timer can be triggered by turning on any module. A full range of actively switched cue and monitoring functions is provided, including a built-in cue amplifier and speaker, and an amplified headphone output. Internal jumpers allow configuration of monitor muting and dimming to meet your operational requirements.

The MX Series uses the highest quality components and construction techniques, resulting in excellent RF immunity and a rugged, sturdy product that will last many years. High performance Bi-FET op amps provide superior audio while substantially reducing heat. The console's modular design and hinged hood simplifies routine maintenance and allows quick, easy access to all console circuitry.



Model MX8R

- True modular design
- Ultra-reliable motherboard construction
- VCA mixer and monitor control
- Active balanced line inputs
- Active balanced main and monitor outputs
- Full monitoring/cueing facilities with VCA level control and active source selection
- Built-in cue amp with speaker and amplified stereo 8-ohm headphone output
- Independent level controls for each "A" and "B" input
- Independent remote start for each "A" and "B" input\*
- Opto-isolated remote module on/off
- Selectable fader start\*
- Two inputs per module, mic/line or line/line - line inputs may be mono or stereo, consumer or professional format
- Four Assignable outputs - two stereo plus two mono
- Available in 6 thru 18 channel models
- Rotary or linear faders
- Separate audio and logic power supplies
- Sturdy, all-steel construction
- Durable Lexan overlay control surfaces
- Count-up event timer standard
- Two input expansion switches standard
- Excellent RF immunity

\* Optional Feature in MXR Rotary Consoles

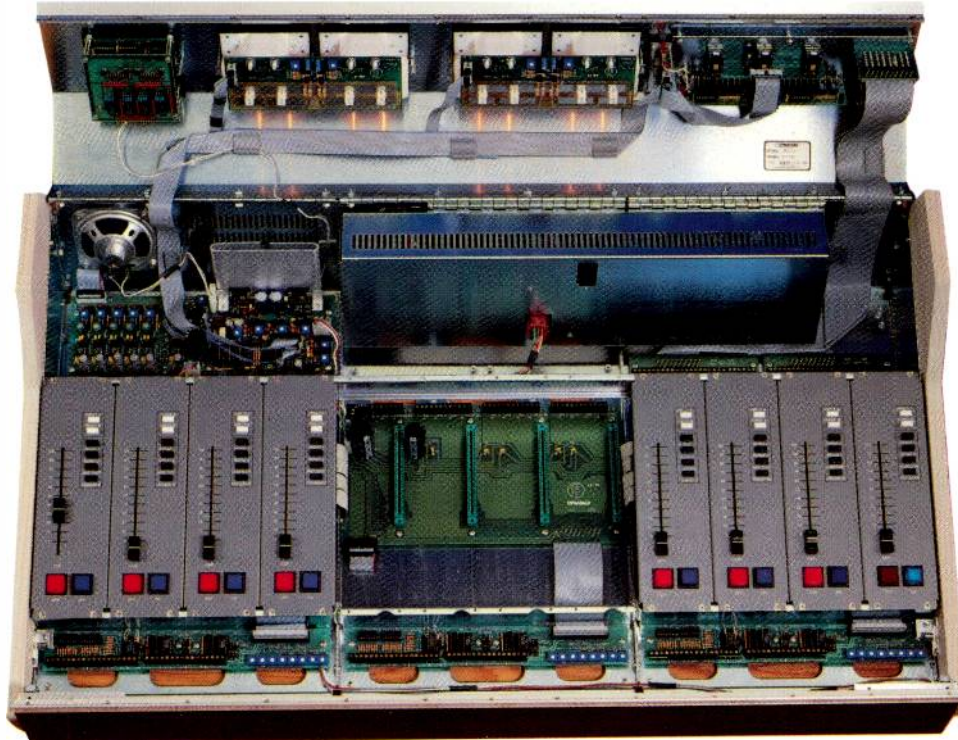


# Cost-Effective Quality

## A TRULY MODULAR CONSOLE

The MX Series asks you to make no compromises. Each input module includes ALL of the active circuitry necessary for its operation. The MX Series precision motherboard has no active electronic components, so you'll never have to disassemble the entire console to replace a single component. Ultra-reliable motherboard construction minimizes hand wiring, and totally eliminates flimsy and awkward ribbon cable module bussing.

Many other consoles claim to be modular, but close inspection reveals that the "modules" carry only switches and faders. In these consoles, active circuitry is mounted on the motherboard, defeating the prime purpose of modularity: keeping the console on the air during maintenance or repair.



Model MX12L

## SUPERIOR FLEXIBILITY

The MX Series delivers output flexibility that rivals much more expensive consoles. Stereo Program and Audition outputs are assignable from the front panel. Two independently assignable mono outputs are incredibly useful for telephone "mix-minus," mono simulcast feeds, cue feeds for remote broadcasts and more.

Every input module has two inputs, one of which may be configured as a mic input by use of an optional mic pre-amp kit (MPK-2) residing on the module. One mic pre-amp kit is included with each console. Additional kits purchased with the console are factory installed and tested. You may add kits easily at any time to accommodate additional microphones.

All line inputs may be wired for stereo or mono input sources. Pre-fader patch points are provided to facilitate external processing. Line inputs may be either professional or consumer format, eliminating costly "matching" interfaces. Independent variable level controls for each "A" and "B" input are conveniently located permitting professional and consumer source equipment to be connected to the same module, and their levels to be adjusted without module removal.

Each input features external logic switching for starting cart machines, CD players and other audio sources when the module is turned on. Modules may be turned on automatically by simply opening the fader when the fader start option is enabled.

A continuous logic level or a pulse may be selected to remote start every console input. The modules may be externally controlled via opto-isolated inputs, perfect for news studio microphones or easy automation interface.

Voltage Controlled Amplifiers ensure that the audio path stays clean and quiet. No audio passes through the faders, so dust and dirt can't cause scratches and pops. Even the monitor level pot is VCA controlled.

Considering its true modularity, exceptional flexibility, wealth of features and premium materials and construction, the MX Series is clearly the smart choice when both value and exquisite audio quality are important. The MX Series delivers uncompromised performance and reliability at budget friendly, affordable prices.

# Technical Specifications



Model MX12L

## Output:

### Output Impedances:

Line, 200 ohms  
Phones, 10 ohms

### Output Level:

Line, -10 to +10 dBu (+24 dBu maximum)  
Cue, 12 watts into built-in 8 ohm speaker  
Phones, 2 watts/channel into 8 ohms

### Frequency Response:

Line, 20 - 20 kHz  $\pm 0.1$  dB  
Mic, 20 - 20 kHz  $\pm 0.3$  dB

### Noise:

Line, better than -90 dB  
Mic, -125 dB EIN

### Crosstalk:

Better than 80 dB between any outputs  
@ 1 kHz

### Harmonic Distortion:

Less than 0.03% THD, 20 - 20 kHz

### Intermodulation Distortion:

Less than 0.02% SMPTE

**Note:** Output measurements referenced to +4 dBu nominal output level

## Input:

### Input Impedances:

Line 20,000 ohms bridging  
Mic 1,500 ohms nominal

### Levels:

Line, -15 to +10 dBu (+24 dBu maximum)  
Mic, -65 to -35 dBu

### AC Line Input

100/120/220/240 VAC, 47-63 Hz

### Physical Characteristics:

Small mainframe  
8 channels for MXR or MXL  
12 channels for MXE  
Height: 7.63" (19.4cm)  
Depth: 21.75" (55.3cm)  
Width: 25.75" (65.4cm)  
Weight: 55 lbs. (25kg) approx.

Large mainframe  
12 channels for MXR or MXL  
18 channels for MXE  
Height: 7.63" (19.4cm)  
Depth: 21.75" (55.3cm)  
Width: 37.75" (95.9cm)  
Weight: 70 lbs. (31.8kg) approx.

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 **HARRIS  
ALLIED**