MP-AMP30

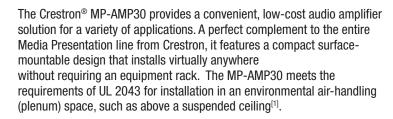## Media Presentation Audio Amplifier

> Compact stereo power amplifier

> 15 Watts per channel into 8 or 4 Ohms

> Stereo or mono-summed operation

> High-efficiency Class D topology

> Energy saving design reduces power consumption when idle

> Convection cooled for noiseless operation

> Simple volume, bass, and treble adjustments

> Built-in loudness contour circuit

> Electronic short-circuit and overload protection

> Detachable terminal block speaker connections

> Unbalanced RCA line input, 3' cable included

> Integral surface mounting flanges

> UL 2043 compliant for installation within a plenum-rated suspended ceiling[1]

The Crestron® MP-AMP30 provides a convenient, low-cost audio amplifier solution for a variety of applications. A perfect complement to the entire Media Presentation line from Crestron, it features a compact surface-mountable design that installs virtually anywhere without requiring an equipment rack. The MP-AMP30 meets the requirements of UL 2043 for installation in an environmental air-handling (plenum) space, such as above a suspended ceiling[1].

High-efficiency Class D circuitry delivers 15 Watts per channel to drive one or two pairs of 8 Ohm speakers, or a single pair of 4 Ohm speakers, making it ideal to support stereo speakers at the front of a room or mono speakers in the ceiling. Mono-summed operation is enabled by changing two jumpers on the front panel.

Refined, reliable operation is ensured thanks to pop-free turn-on circuitry and electronic short-circuit and overload protection. An energy-saving design achieves optimum efficiency under load, and the amplifier powers down automatically when no input signal is detected for more than 5 minutes, reducing overall power consumption and heat as part of a green system design. The amplifier quickly powers back on the instant an input signal is detected. Its extruded aluminum housing is both attractive and effective at dissipating heat, affording a silent running design without cooling fans.

Installation and setup of the MP-AMP30 is simple. Detachable output connectors facilitate the termination of speaker wiring up to 16 gauge. RCA inputs connect directly to the line output of a video projector or display, audio processor, mixer, or AV switcher. Rotary controls provide for adjusting the overall speaker volume, as well as bass and treble. For quiet environments, loudness compensation is employed by setting the volume control below the center detent position.

SPECIFICATIONS

Audio

Input Volume Range: -55dB to +20dB
Loudness: Active at volume settings below center detent
Bass Gain Range: ±15dB @ 100Hz
Treble Gain Range: ±15dB @ 10kHz
Frequency Response: 20Hz to 20kHz ±0.5dB
S/N Ratio: 75dB 20Hz to 20kHz A-weighted
THD+N: 0.7% 20Hz to 20kHz
Output Power: 15 Watts per channel at 8 or 4 Ohms
Amplifier Protection: Electronic short-circuit and overload protection

Connectors – Top Panel

AUDIO OUT 8Ω: (2) 2-pin 3.5mm detachable terminal blocks;
Left & right channel speaker-level audio outputs;
Wire Size: Connector accepts 16 AWG maximum;
Output Power: 15 Watts per channel at 8 or 4 Ohms

Connectors – Bottom Panel

AUDIO IN: (2) RCA female, unbalanced stereo line-level audio input;
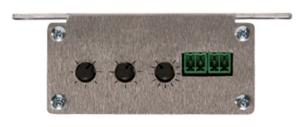Maximum Input Level: 2 Vrms;
Input Impedance: 18k Ohms;
3 ft (0.9 m) stereo RCA-RCA cable included

PWR 24VDC 2.0A: (1) 2.1 x 5.5 mm DC power connector;
24 Volt DC power input;
(power pack included)

MP-AMP30 – Front, Top and Bottom Views

Controls & Indicators

BASS: Rotary low frequency boost/cut adjustment, flat at center detent
TREBLE: Rotary high frequency boost/cut adjustment, flat at center detent
VOL: Rotary input level adjustment
ST, MO: Mode selection jumpers, select stereo or mono-summed operation
Power: (1) green LED, indicates operating power supplied from external power pack

Power Requirements

Power Pack: 2.0 Amps @ 24 Volts DC;
100-240 Volts AC, 50/60 Hz power pack included

Environmental

Temperature: 41° to 104°F (5° to 40°C)
Humidity: 10% to 90% RH (non-condensing)
Heat Dissipation: 21 BTU/Hr

Enclosure

Chassis: Aluminum w/polycarbonate label overlay and (4) integral mounting flanges, meets the requirements of UL 2043 for installation in an environmental air-handling (plenum) space[1]
Mounting: Freestanding or surface mount

Dimensions

Height: 5.85 in (149 mm)
Width: 3.91 in (100 mm)
Depth: 1.43 in (37 mm)

Weight

11.8 oz (335 g)

MODELS & ACCESSORIES

Available Models

MP-AMP30: Media Presentation Audio Amplifier

Included Accessories

CBL Series: Crestron® Certified Interface Cables
CBL-KAUDIO-RCAM2-L-P-50: RCA Stereo Audio Cable Kit, Plenum, 50 ft
CBL-SPK-P-35: Speaker Cable, 16AWG, Plenum, 35 ft
CBL-PWR-EXT24V-P-6: DC Power Extension Cable, Plenum, 6 ft
MP-WP Series: Media Presentation Wall Plates
MPI-WP Series: Media Presentation Wall Plates - International Version

Notes:

1. The MP-AMP30 is tested by an NRTL (Nationally Recognized Testing Laboratory) and complies to ANSI/UL2043 (Fire Test For Products Installed in Air-Handling Spaces). Full compliance requires plenum rated cables such as Crestron CBL-KAUDIO-RCAM2-L-P-50 audio cable, CBL-SPK-P-35 speaker cable, and CBL-PWR-EXT24V-P-6 DC power extension cable. Please note that the included power pack is not ANSI/UL2043 compliant, and thus cannot be installed in an air-handling space unless enclosed in a suitable plenum-rated enclosure.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/salesreps or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: patents.crestron.com.

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