

UMA™-4300

Mixer Amplifier

CREST
AUDIO®



Description

The Crest Audio® UMA™-4300 mixer amplifier provides installers and contractors a simple and efficient solution for a broad range of sound reinforcement, paging and background music applications in retail spaces, restaurants, lounges and waiting rooms.

The UMA-4300 combines a four-input mixer with a highly efficient Class D 300-watt mono amplifier. Each of the four inputs can handle a variety of input signals, including microphone, balanced line level and mono or stereo unbalanced line sources. The UMA-4300 provides a simple paging solution with priority mute level sensing controls on input 1. Inputs 1 and 2 are electronically balanced and provide mic preamp gain controls and switched 48V phantom power for microphones. Inputs 3 and 4 support balanced and unbalanced line inputs with switch selectable Euro-style connectors or dual RCA inputs.

The UMA-4300 can drive directly a low impedance loudspeaker with its 4-ohm direct output or 25V, 70V or 100V constant voltage loudspeaker circuit.

The UMA-4300 is housed in a 2U rack mount chassis and has a voltage selector switch for 120V or 240VAC operation.

Features

GENERAL:

- 300 watt Class D power amplifier
- SPS speaker protection system
- High-pass filter to protect speaker transformers from low frequency overload
- 2U rack-mount chassis

FRONT PANEL:

- Four input level controls with signal/clip/mute LEDs
- Power, signal and SPS indication LEDs
- Master volume

REAR PANEL:

- Four electronically balanced Mic/Line inputs
- Inputs 1 and 2 are electronically balanced with Euro connectors and preamp gain control
- Inputs 1 and 2 have phantom power with switch
- Inputs 3 and 4 have switch to select balanced Euro connector or dual RCA connectors
- Inputs 3 and 4 have rear panel preamp gain controls
- Input 1 Level sensing muting of inputs 2-4 with threshold/defeat control
- Balanced output with Level control
- Switchable Mix output or Input 4 Direct output
- Output is not affected by mute or channel level if channel 4 is selected
- Preamp output, power amp input for inserting processing with Bypass switch
- 4 Ohm, 25V, 70V and 100V outputs
- Bass and Treble controls
- Power switch
- Line voltage switch for 120V or 240VAC operation



Architect's & Engineer's Specifications

CREST AUDIO® UMA™-4300

The Mixer Amplifier shall provide four electronically balanced mic/line input channels that may be mixed down to a single amplified output. Inputs 1 and 2 of the four inputs shall provide microphone inputs with adjustable input gain and switchable 48V phantom power. Inputs 3 and 4 shall provide balanced and unbalanced line inputs via Euro-style connectors or dual RCA connectors per channel. The Mixer Amplifier shall provide sensing for Input 1 to allow the microphone signal to trigger muting of inputs 2 through 4 with an associated threshold and defeat control. The mixer output shall be amplified by an efficient Class D 300-watt mono amplifier. The Mixer Amplifier shall be capable of driving a 4-ohm low impedance output or 25V, 70V or 100V constant voltage outputs. The Mixer Amplifier shall also provide a single balanced output with line level control. The Mixer Amplifier shall be capable of switchable 120V or 240VAC operation, and shall be contained in a 2U rack mount chassis. The Mixer Amplifier shall be the Crest Audio UMA-4300 Mixer Amplifier.

Peavey Electronics Corporation • 5022 Hartley Peavey Drive • Meridian, MS 39305

Phone: (601) 483-5365 • Fax: (601) 486-1678 • www.peaveycommercialaudio.com



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