

# WMA™-4300

Wall Mount Amplifier

CREST  
AUDIO®



## Description

The Crest Audio® WMA™-4300 wall mount amplifier provides a unique, simple and complete solution to designers, contractors and installers who wish to place a full-featured audio mixing and amplification system in a convenient and secure location. The WMA-4300 provides a feature-packed and re-engineered mixer mated to a Class D power amplifier with higher power and efficiency. The simple and straightforward front-panel controls, inputs and output can be concealed and secured behind the optional steel back box for tamper-free, worry-free operation. The WMA-4300 is also designed to be backward compatible with Peavey Commercial Audio's legacy wall-mount amplifier back box for ease and convenience in replacing earlier products with a more efficient Class D amplifier platform.

The WMA-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 WMA-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 WMA-4300 wall mount amplifier can drive directly a low impedance loudspeaker with its 4-ohm direct output or a 25V, 70V or 100V constant voltage loudspeaker circuit. Bass and treble controls are provided to allow equalization of the output signal in any installation environment.

The WMA-4300 is housed in a dedicated vertical mount chassis that may be surface or flush mounted when mated with its back box. The back box may be roughed-in or installed during construction and the WMA-4300 installed once construction is finished. The WMA-4300 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
- Dedicated vertical chassis designed for wall or flush mounting with accessory back box
- Mates to legacy Peavey Commercial Audio wall-mount amplifier back box (00324930)

#### FRONT PANEL:

- Four input level controls with signal/clip/mute LEDs
- Power, Signal and SPS speaker protection system indication LEDs
- Master volume
- 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
- Bass and Treble controls

#### POWER SWITCH REAR PANEL:

- 4 Ohm, 25V, 70V or 100V outputs
- Line voltage switch for 120V or 240VAC operation

### Architect's & Engineer's Specifications

#### CREST AUDIO® WMA™-4300

The Wall Mount 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 Wall Mount 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 Wall Mount Amplifier shall be capable of driving a 4-ohm low impedance output or 25V, 70V or 100V constant voltage outputs. The Wall Mount Amplifier shall also provide a single balanced output with line level control. The Wall Mount Amplifier shall be capable of switchable 120V or 240VAC operation. The Wall Mount Amplifier shall be contained in a dedicated vertical mount chassis that can be surface mounted or flush mounted when mated with an accessory backing box in order to conceal and protect the amplifier inputs, outputs and controls. The Wall Mount Amplifier shall be the Crest Audio WMA-4300 Wall Mount Amplifier.



Features and specifications subject to change without notice.

Peavey Electronics Corporation • 5022 Hartley Peavey Drive • Meridian, MS 39305  
Phone: (601) 483-5365 • Fax: (601) 486-1678 • [www.peaveycommercialaudio.com](http://www.peaveycommercialaudio.com)



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