



MAX[®] Series Bass Amplifiers

Operating
Manual



www.peavey.com



FCC Compliancy Statement

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, that may cause undesired operation.

Warning: Changes or modifications to the equipment not approved by Peavey Electronics Corp. can void the user's authority to use the equipment.

Note - This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAN ICES-3(B)/NMB/3(B)



MAX® Series Bass Amplifiers

The Peavey MAX® Series is designed for superior tone, performance and reliability in portable bass amplification, with power ratings up to 300 watts of power with Peavey's DDT™ speaker protection and exclusive tone enhancements.

The Peavey MAX 100, MAX 150, MAX 208, MAX 250, and MAX 300 bass combo amps deliver huge bass tone with exclusive Peavey designs, including unique psycho-acoustic low-end enhancement that adds bass without demanding anything extra from the speaker—a testament to Peavey's technology-driven reliability. The EQ section includes three-band EQ, a gain boost featuring Peavey's patented TransTube® tube emulation circuitry, and switchable presets like Contour, Mid-Shift and Bright.

The MAX 100, MAX 150, MAX 250, and MAX 300 also feature a built-in chromatic tuner with mute, a tuned and ported enclosure, 1/8" headphone output and 1/8" auxiliary input. All models include an XLR direct output with ground lift, while the MAX 250 also has a built-in tweeter.

Features: (vary according to model)

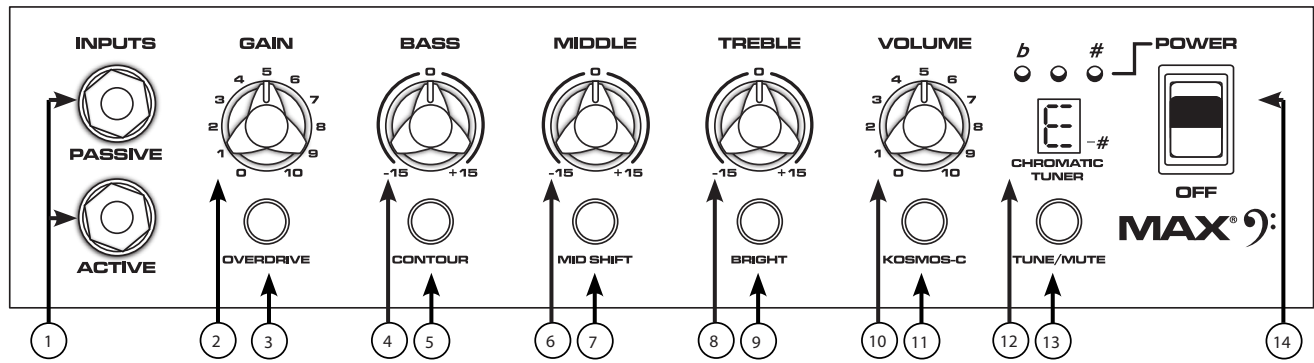
- Up to 300 watts of power
- Premium speakers
- DDT™ speaker protection
- Pre-gain control with TransTube® gain boost
- Three-band EQ with Overdrive, Contour, Mid-Shift, Bright, and Kosmos-C switches
- Tuned, ported enclosures
- Kosmos-C low-end enhancement
- Precision balanced direct interface with ground lift
- 1/8" aux input
- 1/8" headphones output
- Chromatic tuner with mute (not on 208)
- Unique cabinet design allows for superior high-frequency dispersion in tight spaces.



VENTILATION: For proper ventilation, allow 12" clearance from the nearest combustible surface.

All vents should have a minimum of 2" of free air space so air can flow thru the unit freely for proper cooling.

Control Panel MAX® Series



(1) ACTIVE/PASSIVE PICKUP Inputs

These 1/4" inputs are included so you can choose the appropriate setting for your instrument. The gain structure of the amplifier is modified to accommodate the outputs of different pickup configurations. The PASSIVE input is 10dB hotter than the ACTIVE input.

(2) GAIN

This knob controls input level to the preamp.

(3) OVERDRIVE

This crunch circuit is designed so that the volume of the amp will not change when the boost is switched on, but the distortion level will increase depending on the level of the GAIN knob. For best results, first set the distortion amount by adjusting the GAIN. Next, set the desired volume using the VOLUME knob. At this point, the clean volume will match if the Overdrive is turned off.

(4) BASS

This knob provides a shelving tone control for low frequencies and provides cut/boost of +/-15 dB. The center point is flat. The center frequency is 50 Hz. -3 dB shelf corner frequency is 100Hz.

(5) CONTOUR

This button boosts highs and lows while simultaneously cutting mid tones, producing a "scooped" sound.

(6) MIDDLE

This knob provides a peaking tone control for Mid frequencies and cut/boost of +/-15dB. The center point is flat.

(7) MID SHIFT

This switch controls the center frequency of the MIDDLE knob. When the switch is OUT, the middle frequency is 600Hz. The middle frequency is 250Hz when the switch is pushed IN.

(8) TREBLE

This knob provides a shelving tone control for high frequencies and cut/boost of +/-15dB. The center point is flat and the frequency is 6 KHz. -3dB; the shelf corner frequency is 4 KHz.

(9) BRIGHT SWITCH

This button provides a 10 dB boost to frequencies above 1KHz. To activate, depress the switch to its "IN" position.

(10) VOLUME

This knob controls the overall volume of the amplifier.

(11) KOSMOS-C Subharmonic Generator

This Kosmos-C Low enhancement works by creating harmonics of signals in the bottom octave, where speakers are usually ineffective. The harmonics are more easily reproduced, resulting in a perception of stronger bass. The effect is source dependent; obviously a source with little energy in the bottom octave will not create booming bass.

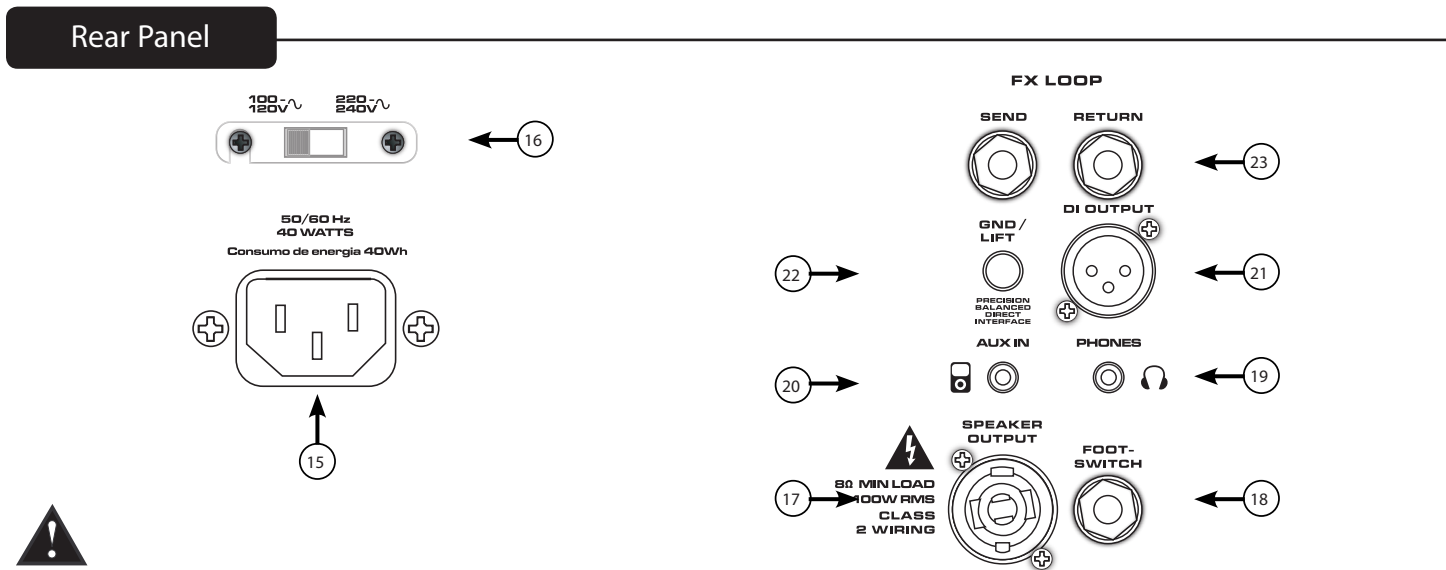
(12) CHROMATIC TUNER (Not on Max 208)

Pressing the TUNE/MUTE button (13) will engage the chromatic tuner while muting the output to the speaker. The LED screen will indicate which note is being played while the red and green LEDs above the screen indicate whether the note is flat (red), sharp (red) or in tune (green).

(13) TUNE/MUTE (not available on Max 208)

Pressing this button will engage the chromatic tuner while muting the output to the speaker. The LED screen will indicate which note is being played while the red and green LEDs above the screen indicate whether the note is flat (red), sharp (red) or in tune (green). This switch also mutes the DI.

(14) POWER SWITCH



(15) AC POWER INLET:

This is the receptacle for an IEC line cord, which provides AC power to the unit. Connect the line cord to this connector to provide power to the unit. Damage to the equipment may result if improper line voltage is used. (See line voltage marking on unit).

Never break off the ground pin on any equipment. It is provided for your safety. If the outlet used does not have a ground pin, a suitable grounding adapter should be used, and the third wire should be grounded properly. To prevent the risk of shock or fire hazard, always make sure that the amplifier and all associated equipment is properly grounded.

NOTE: FOR UK ONLY

As the colors of the wires in the mains lead of this apparatus may not correspond with the colored markings identifying the terminals in your plug, proceed as follows: (1) The wire that is colored green and yellow must be connected to the terminal that is marked by the letter E, or by the Earth symbol, or colored green or green and yellow. (2) The wire that is colored blue must be connected to the terminal that is marked with the letter N, or the color black. (3) The wire that is colored brown must be connected to the terminal that is marked with the letter L, or the color red.

(16) LINE VOLTAGE SELECT SWITCH

This selector switch allows the amplifier to be operated at different line voltages. Please be sure this switch is set to the proper voltage for your area before connecting the amplifier to a power source or turning the amplifier on for the first time.

NEVER CHANGE THE POSITION OF THIS SWITCH WHILE THE AMPLIFIER IS TURNED ON.

CAUTION! THE FUSE MUST BE CHANGED TO THE CORRECT VALUE PRINTED ON THE REAR OF THE CHASSIS IF A DIFFERENT LINE VOLTAGE IS SELECTED.

(17) SPEAKER OUTPUT JACK (Max 150, 250, and 300 only)

This combination 1/4" / twist-lock connector is used to connect a speaker cable to the amplifier. The minimum load impedance on the amplifier is 8Ω.

(18) FOOTSWITCH JACK

The optional footswitch (part number 03022910) plugs into this jack. The footswitch controls OVERDRIVE and MUTE.

(19) HEADPHONE OUTPUT

1/8" headphone output for personal monitoring.

(20) AUX INPUT

This 1/8" input jack allows you to connect a CD player or MP3 player to your MAX® Series bass amp and play along

(21) PRECISION BALANCED DIRECT INTERFACE

This XLR output is used to connect the Max pre amp section to external equipment, such as mixing consoles, external power amplifiers, or recording equipment. This novel circuit provides a perfectly balanced and noise-free signal with none of the problems associated with small transformers.

(22) DI GND LIFT SWITCH

This switch may be used to eliminate hum caused by ground loops between the amplifier and other equipment, such as a mixing console.

(23) FX LOOP

The effects loop consists of the SEND and RETURN jacks, which are used to patch external effects processors post EQ in the signal chain. Connect the SEND jack to the input of effects processors. Connect the RETURN jack to the output of effects processors. The EFFECTS SEND and RETURN jacks can also be used as a line level unbalanced preamp output and power amp input jacks, respectively.

Rear Panel

POWER CONSUMPTION:

(1/8 rated power, 1KHz sine wave)
120vac/60Hz, 230vac/50Hz

MAX 208 = 33W
MAX 100 = 50W
MAX 150 = 33W
MAX 250 = 63W
MAX 300 = 78W

POWER AMPLIFIER:

(Rated Power)--Continuous RMS

(1% THD, 1KHz sine wave, nominal line)

MAX 100 = 60 W (rms) into 8 ohms
MAX 150 = 120 W (rms) into 4 ohms
MAX 250 = 150 W (rms) into 4 ohms
MAX 300 = 200 W (rms) into 3 ohms
MAX 208 = 120 W (rms) into 4 ohms

PRE-AMPLIFIER:

Maximum Input Sensitivity:

(PRE GAIN = 10, LOW/MID/HIGH = 5, VOLUME = 10, all voicing switches defeated)

Passive Input	11mV / -36.95dBu	30mV / -28.24dBu	40mV / -25.74dBu
Active Input	same as passive	90mV / -18.70dBu	110mV / -16.95dBu
Auxiliary Input	420mV / -5.32dBu	900mV / 1.3dBu	1.0V / 2.22dBu

Nominal Input Sensitivity:

(PRE GAIN = 5, LOW/MID/HIGH = 5, VOLUME = 5, all voicing switches defeated)

Passive Input	290mV / -8.53dBu	400mV / -5.74dBu	500mV / -3.8dBu
Active Input	same as passive	1.10V / 3.05dBu	1.40V / 5.14dBu
Auxiliary Input	same as maximum	1.80V / 7.32dBu	2.10V / 8.66dBu

Headphone Output:

(Mono)

50mW x 2 into 8-ohm minimum load

Direct Interface (DI):

Pre-EQ, unity buffer

Output Signal Level = Input Level - 10dB

Noise Floor = 0.95mV(rms) = -78dBu

Dimensions:

(HxWxD)

Max 100 - 18.0"x15.7"x13.2" - 23.8lb

Max 150 - 19.0"x16.5"x14.2" - 29.2lb

Max 208 - 23.2"x12.3"x13.2" - 32.2lb

Max 250 - 22.8"x19.4"x16.2" - 44.4lb

Max 300 - 22.8"x19.4"x16.2" - 46.4lb



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Warranty registration and information for U.S. customers available online at
www.peavey.com/warranty
or use the QR tag below



Features and specifications subject to change without notice.

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Logo referenced in Directive 2002/96/EC Annex IV
(OJ(L)37/38,13.02.03 and defined in EN 50419: 2005
The bar is the symbol for marking of new waste and
is applied only to equipment manufactured after
13 August 2005