



XR[®] 8300 & XR[®] 8600 Powered Mixers

Operating Manual





Intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



Intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

CAUTION: Risk of electrical shock — DO NOT OPEN!

CAUTION: To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

WARNING: To prevent electrical shock or fire hazard, this apparatus should not be exposed to rain or moisture, and objects filled with liquids, such as vases, should not be placed on this apparatus. Before using this apparatus, read the operating guide for further warnings.



Este símbolo tiene el propósito, de alertar al usuario de la presencia de “(voltaje) peligroso” sin aislamiento dentro de la caja del producto y que puede tener una magnitud suficiente como para constituir riesgo de descarga eléctrica.



Este símbolo tiene el propósito de alertar al usuario de la presencia de instrucciones importantes sobre la operación y mantenimiento en la información que viene con el producto.

PRECAUCION: Riesgo de descarga eléctrica ¡NO ABRIR!

PRECAUCION: Para disminuir el riesgo de descarga eléctrica, no abra la cubierta. No hay piezas útiles dentro. Deje todo mantenimiento en manos del personal técnico cualificado.

ADVERTENCIA: Para prevenir choque eléctrico o riesgo de incendios, este aparato no se debe exponer a la lluvia o a la humedad. Los objetos llenos de líquidos, como los floreros, no se deben colocar encima de este aparato. Antes de usar este aparato, lea la guía de funcionamiento para otras advertencias.



Ce symbole est utilisé dans ce manuel pour indiquer à l'utilisateur la présence d'une tension dangereuse pouvant être d'amplitude suffisante pour constituer un risque de choc électrique.



Ce symbole est utilisé dans ce manuel pour indiquer à l'utilisateur qu'il ou qu'elle trouvera d'importantes instructions concernant l'utilisation et l'entretien de l'appareil dans le paragraphe signalé.

ATTENTION: Risques de choc électrique — NE PAS OUVRIR!

ATTENTION: Afin de réduire le risque de choc électrique, ne pas enlever le couvercle. Il ne se trouve à l'intérieur aucune pièce pouvant être réparée par l'utilisateur. Confiez l'entretien et la réparation de l'appareil à un réparateur Peavey agréé.

AVIS: Dans le but de réduire les risques d'incendie ou de décharge électrique, cet appareil ne doit pas être exposé à la pluie ou à l'humidité et aucun objet rempli de liquide, tel qu'un vase, ne doit être posé sur celui-ci. Avant d'utiliser de cet appareil, lisez attentivement le guide fonctionnant pour avertissements supplémentaires.



Dieses Symbol soll den Anwender vor unisolierten gefährlichen Spannungen innerhalb des Gehäuses warnen, die von Ausreichender Stärke sind, um einen elektrischen Schlag verursachen zu können.



Dieses Symbol soll den Benutzer auf wichtige Instruktionen in der Bedienungsanleitung aufmerksam machen, die Handhabung und Wartung des Produkts betreffen.

VORSICHT: Risiko — Elektrischer Schlag! Nicht öffnen!


VORSICHT: Um das Risiko eines elektrischen Schlages zu vermeiden, nicht die Abdeckung entfernen. Es befinden sich keine Teile darin, die vom Anwender repariert werden könnten. Reparaturen nur von qualifiziertem Fachpersonal durchführen lassen.

WARNUNG: Um elektrischen Schlag oder Brandgefahr zu verhindern, sollte dieser Apparat nicht Regen oder Feuchtigkeit ausgesetzt werden und Gegenstände mit Flüssigkeiten gefüllt, wie Vasen, nicht auf diesen Apparat gesetzt werden. Bevor dieser Apparat verwendet wird, lesen Sie bitte den Funktionsführer für weitere Warnungen.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: When using electrical products, basic cautions should always be followed, including the following:



1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding plug. The wide blade or third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point they exit from the apparatus.
11. Only use attachments/accessories provided by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13.  Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. Never break off the ground pin. Write for our free booklet "Shock Hazard and Grounding." Connect only to a power supply of the type marked on the unit adjacent to the power supply cord.
16. If this product is to be mounted in an equipment rack, rear support should be provided.
17. Note for UK only: If the colors of the wires in the mains lead of this unit do not correspond with the terminals in your plug, proceed as follows:
 - a) The wire that is colored green and yellow must be connected to the terminal that is marked by the letter E, the earth symbol, colored green or colored green and yellow.
 - b) The wire that is colored blue must be connected to the terminal that is marked with the letter N or the color black.
 - c) The wire that is colored brown must be connected to the terminal that is marked with the letter L or the color red.
18. This electrical apparatus should not be exposed to dripping or splashing and care should be taken not to place objects containing liquids, such as vases, upon the apparatus.
19. Exposure to extremely high noise levels may cause a permanent hearing loss. Individuals vary considerably in susceptibility to noise-induced hearing loss, but nearly everyone will lose some hearing if exposed to sufficiently intense noise for a sufficient time. The U.S. Government's Occupational Safety and Health Administration (OSHA) has specified the following permissible noise level exposures:

| Duration Per Day In Hours | Sound Level dBA, Slow Response |
|---------------------------|--------------------------------|
| 8 | 90 |
| 6 | 92 |
| 4 | 95 |
| 3 | 97 |
| 2 | 100 |
| 1 1/2 | 102 |
| 1 | 105 |
| 1/2 | 110 |
| 1/4 or less | 115 |

According to OSHA, any exposure in excess of the above permissible limits could result in some hearing loss. Earplugs or protectors to the ear canals or over the ears must be worn when operating this amplification system in order to prevent a permanent hearing loss, if exposure is in excess of the limits as set forth above. To ensure against potentially dangerous exposure to high sound pressure levels, it is recommended that all persons exposed to equipment capable of producing high sound pressure levels such as this amplification system be protected by hearing protectors while this unit is in operation.

SAVE THESE INSTRUCTIONS!

XR® 8300 & XR® 8600 Series

Powered Mixer

Congratulations on the purchase of your new XR 8300 or XR 8600 powered mixer from Peavey. The XR 8000 Series powered mixers include many of the latest technological developments from Peavey engineering. Incorporating a pair of 300, or 600, Watt amplifiers (XR8300 and XR8600 respectively), dual 7-band EQ, digital effects, FLS® (Peavey's award-winning Feedback Locating System), DDT™ speaker protection and a host of other features, these compact powered mixers are perfect for any application.

More power. More features. More reliability. All from Peavey!



Before you begin using your powered mixer it is very important to ensure that the product has the proper AC line voltage supplied. You can find the proper voltage for your amp printed next to the IEC line (power) cord on the rear panel of the unit. Each product feature is numbered. Refer to the front panel diagram in this manual to locate the particular features next to its number.

Please read this guide carefully to ensure your personal safety as well as the safety of your powered mixer.

FEATURES:

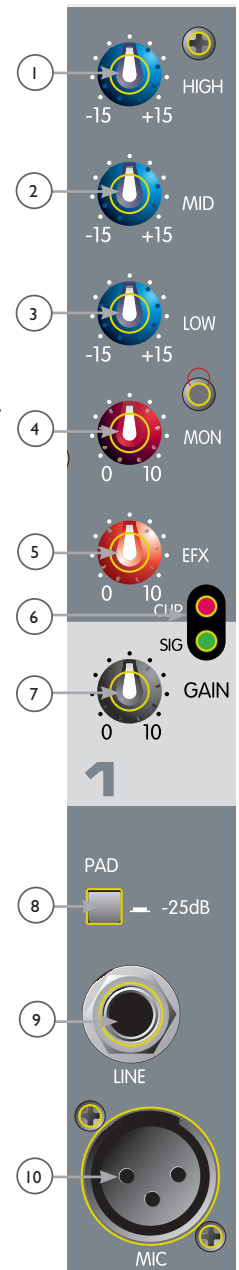
- 8 improved, low-noise, mic preamps
- 10 line inputs
- 3-band equalization on each channel
- Monitor send on each channel
- Effects send on all channels
- 25 dB pad: channels 1–6
- Dual main or main/monitor power amp mode switch
- Dedicated 7-band EQ for mains/monitors with FLS™
- DSP-based effects; 16 presets with parameter control
- Signal/clipping indicator on each channel
- 48 Volt phantom power
- Dual 300 Watt per channel internal power amplifiers (XR8300)
- Dual 600 Watt per channel internal power amplifiers (XR8600)
- DDT speaker protection with activity LED
- Mute switch for input channels 1–8



VENTILATION: For proper ventilation, allow 6" (15.5 cm) clearance on all sides.

CHANNEL CONTROLS

- 1 **HIGH EQ**
This High EQ shelving type of active tone control varies the treble frequency (± 15 dB at 12 kHz) and is designed to remove noise or add brilliance to the signal, depending on the quality of the source.
- 2 **MID EQ**
Mid EQ is a band pass (peak/notch) type of active tone control that varies the mid-range frequencies (± 15 dB at 450 Hz).
- 3 **LOW EQ**
A shelving type of active tone control that varies the bass frequency levels (± 15 dB at 70 Hz). Low EQ adds depth to thin-sounding signals or cleans up muddy ones. As with any EQ, use sparingly. Too much of this EQ can give you a booming bottom end.
- 4 **MON (monitor)**
This control varies the level of each channel signal (pre-EQ) that is added to the monitor mix.
- 5 **EFX**
The EFX control varies the level into the digital effects processor bus, adjusting signal level from the individual channel to the digital processor. It is post gain and will be affected by the gain control.
- 6 **SIGNAL/CLIPPING INDICATOR**
These LEDs illuminate green when a signal is present and red when clipping occurs. If clipping occurs, turn the gain (7) down. If the channel clips when turning the Level control up only slightly, try engaging the Pad switch (8).
- 7 **GAIN**
This control sets the signal level sent to the main mix.
- 8 **PAD**
Pad attenuates the input signal by -25 dB. If you notice distortion from a particular channel or if the channel becomes loud very quickly, try engaging this switch. In addition to increasing the dynamic range, the channel input can now accommodate a higher input level before clipping occurs, which may be helpful when close-mic'ing a loud guitar amp or drum kit, for example.
- 9 **LINE INPUT**
These line inputs are $1/4"$ balanced TRS inputs. The tip is the positive input which may also be used for unbalanced inputs. A pad switch is provided to attenuate strong signals present at this input. Note: The Mic input and the Line input cannot be used simultaneously within the same channel.
- 10 **MIC INPUT**
These mic inputs are XLR balanced, low-impedance channel inputs optimized for a microphone or other low-impedance source. Pin 2 is the positive input. Due to the wide range of gain adjustment, signal levels as high as +10 dBV (2.45 V RMS) can be accommodated with the pad switch engaged. When the phantom power is enabled, this connector has +48 V on pins 2 and 3 with pin 1 as the ground reference.



11 LINE INPUTS (Ch 7-8)

These high impedance 1/4" inputs are for line-level signals. The inputs are summed to mono, allowing a stereo source to be input into these channels. In critical situations, two mono line sources can be connected to one input.

12 TRACK SELECT

The input to Channel 9/10 can be selected as left (mono), right (mono) or summed mono input. This Track Select switch is specifically included to help when using soundtracks that are split into vocal and accompaniment tracks. By pressing the Left (L) button, the left signal is fed into both channels. By pressing the Right (R) button, the right signal is fed into both channels. However, when both buttons are simultaneously in the "UP" or "DOWN" position, the left and right channel signals are "summed together."

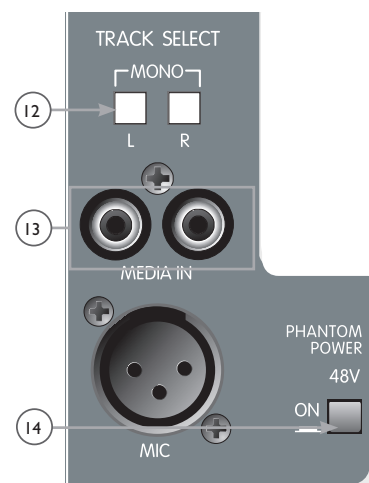
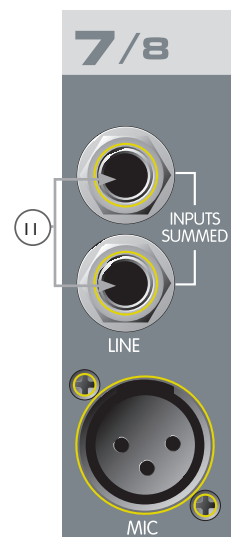
13 MEDIA IN

This pair of RCA jacks accepts a stereo input (-10 dBV nominal) from the output of an MP3 player, CD player, tape deck or other similar device. The signal is placed on the main channel as well as the monitor mix.

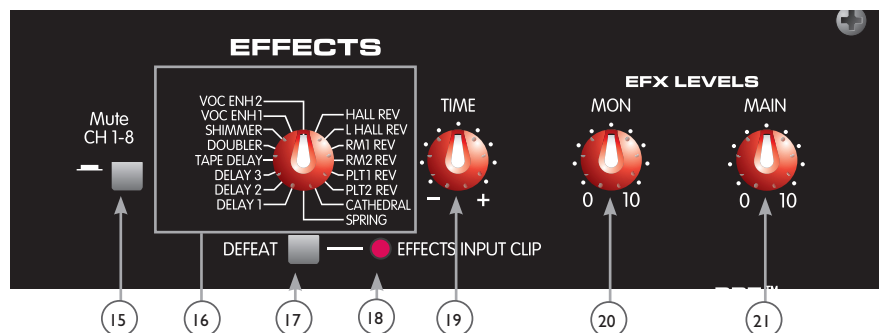
14 PHANTOM POWER SWITCH

When depressed, this switch applies 48 VDC to all input XLR connectors to power microphones that require phantom power.

Caution: When phantom power is switched on, make sure that any channel you are plugging a microphone into is turned down and the Master Main and Monitor controls are set to minimum. Otherwise, there will be a loud pop in the system. For best results, first plug in all microphones into their respective channels before phantom power is switched on. This reduces noise through the system and reduces the chance of damage to the microphones. If phantom power is used, do not connect unbalanced, dynamic microphones or other devices to the XLR inputs that cannot handle this voltage. (Some wireless receivers may be damaged. Consult their manuals.) The line input jacks are not connected to the phantom supply and are safe for all inputs (balanced or unbalanced). An unbalanced to balanced impedance converter such as the Peavey 5116 or a Peavey 1:1 Interface Adapter may also be used to isolate a microphone from phantom voltage.



MASTER SECTION

15 **MUTE 1-8**

Muting channels 1-8 is a great feature that allows you to take a break, by muting channels 1–8 without changing the mic level settings. Use channel 9/10 for your break music. Just remember, unmute before beginning your performance.

16 **EFX SELECT**

This rotary switch selects one of sixteen available effects. See the table below.

| EFFECT | DESCRIPTION | APPLICATION | PARAMETER |
|---------------------|----------------------------------|---------------|-------------------|
| Hall Rev | Medium Concert Hall | Ensemble | Rev Time |
| Large Hall Rev | Larger Concert Hall Darker | Gen Reverb | Rev Time |
| Room 1 Rev | Intimate Room Bright | Pop Vocal | Rev Time |
| Room 2 Rev | Larger Room Darker | Drums, Rhythm | Rev Time |
| Plate 1 Rev | Bright | Pop Vocal | Rev Time |
| Plate 2 Rev | Darker | Drums | Rev Time |
| Cathedral | Large Space, Long and Darker | Choir | Rev Time |
| Spring | Classic Spring | Guitar | Rev Time |
| Delay 1 | Single Delay (Slap-back) | Voc/Inst | Dly Time |
| Delay 2 | Warm Delay with Repeats | Instruments | Dly Time |
| Delay 3 | Dark Delay with Repeats | Instruments | Dly Time |
| Tape Delay | Warm Delay | Instruments | Dly Time/Feedback |
| Doubler | Single Delay, 30 - 120 ms | Instruments | Dly Time |
| Shimmer | Warm Delay with Modulation | Instruments | Dly Time |
| Vocal Enhancement 1 | Brightens and adds Room Reverb | Vocals | Rev Level |
| Vocal Enhancement 2 | Brightens and adds Spring Reverb | Vocals | Rev Level |

17 **EFX DEFEAT**

Depressing this button defeats the Effects. The Effects may also be defeated via the footswitch input (29).

18 **EFX INPUT CLIP LED**

This red LED illuminates to indicate 6 dB of headroom before the signals being sent to the effects circuit are clipped. Ideally, you want this LED to light only occasionally. An occasional blink indicates that your levels are set optimally.

19 EFX TIME

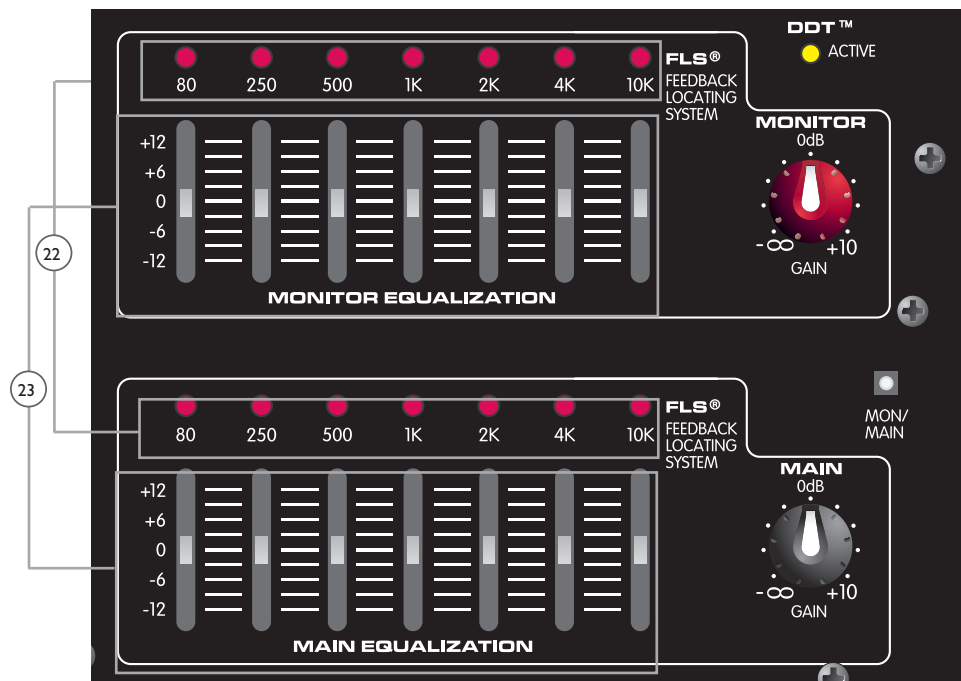
This control adjusts the time of the particular reverb or delay.

20 EFX TO MONITOR

This control adjusts the amount of effects signal sent to the monitor mix, allowing effects to be heard from the stage via the monitors. Keep this control as low as possible.

21 EFX TO MAIN

This control adjusts the amount of effects sent to the main front-of house mix. **Remember: A little goes a long way!**

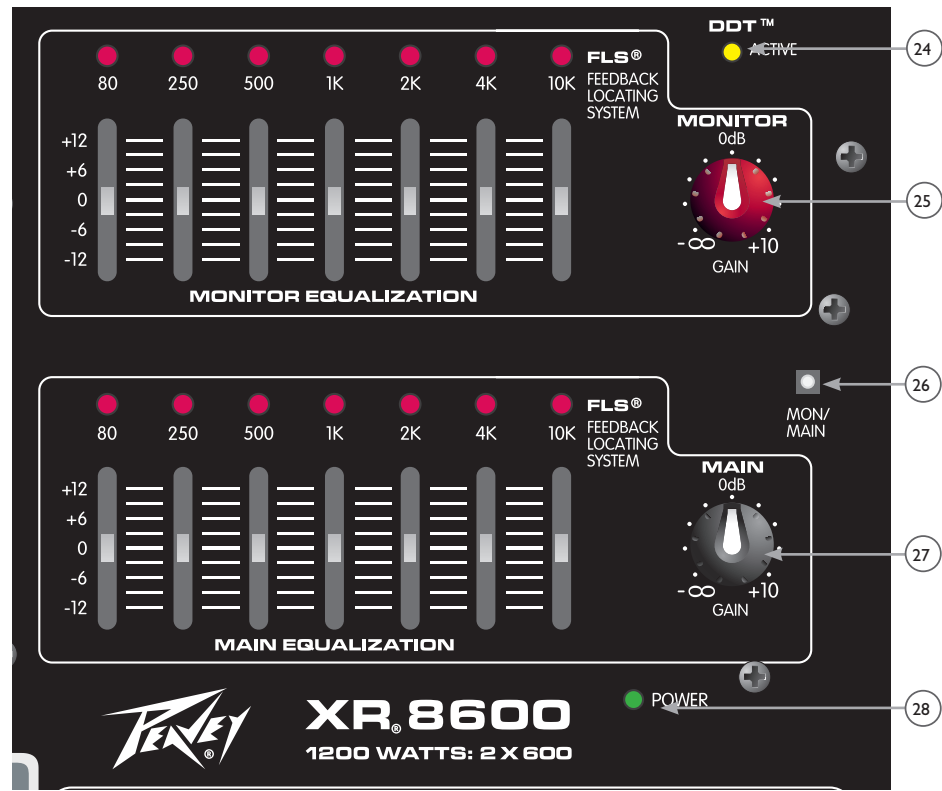


22 FLS® FEEDBACK LOCATING SYSTEM

When feedback occurs, the corresponding LED of the frequency band that is feeding back will illuminate over the slider to be adjusted. Slowly bring the corresponding slider down until the feedback is gone. The LED will remain illuminated for a few seconds after the feedback is gone. When the feedback doesn't return, all the LEDs will become active again, acting as a normal EQ.

23 GRAPHIC EQ

These 7-band EQs are designed for 12 dB of cut or boost. The equalizers are placed before the Preamp outputs; therefore, the Main and monitor preamp outputs are post-EQ.



24 DDT™ SPEAKER PROTECTION

Peavey's award-winning speaker protection is built into both the XR 8300 and the XR 8600. This important feature allows you to maximize the power amplifier without fear of distortion. The LED illuminates when the DDT Speaker Protection system is active

25 MONITOR LEVEL

This control sets the overall level of the monitor signal that is sent to the Monitor output jack and to the power amp when in Main/Monitor mode.

26 POWER AMP MODE

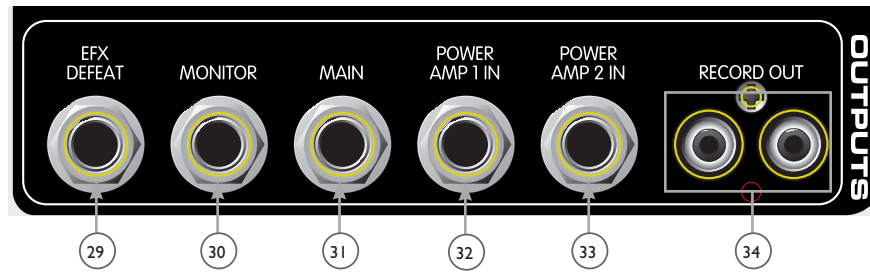
This button is used to configure the power amp as either main/main or main/monitor. The power amp mode button is recessed to prevent accidental switching. Use a non-metallic object to change the switch position (e.g., a toothpick). The unit ships from the factory in the default main/main setting. When the main/main switch is depressed, the first power amp is assigned to the mains and the second amplifier is assigned to the monitor.

27 MAIN LEVEL

This is the master level control for the main mix sent to the main output jack and corresponding power amplifier(s). In main/monitor mode it controls the main level going to the power amp.

28 POWER LED

This LED illuminates when power is supplied to the amplifier.



- 29 EFX DEFEAT JACK**
This 1/4" jack accepts an on/off 1/4" footswitch (Peavey Part # 00051000) to defeat effects of both the Main and Monitor mixes. The Effects may also be defeated via the EFX Defeat (13).
- 30 MONITOR OUTPUT**
This 1/4" jack provides a signal from the monitor mix (after the graphic EQ) for an external amplifier/speaker system. The level is determined by the Channel Monitor and Master Monitor controls.
- 31 MAIN OUTPUT**
This 1/4" jack provides a signal from the main system mix after the graphic EQ. The main output is primarily used to feed an auxiliary amplifier/speaker system.
- 32 POWER AMP 1 IN**
Plugging into this jack allows a direct path to the power amplifier.
- 33 POWER AMP 2 IN**
Plugging into this jack allows a direct path to the power amplifier.
- 34 RECORD OUT**
This pair of RCA jacks provides a signal to the recording inputs of a CD recorder, stereo tape deck, or other recording device. **NOTE:** Do not connect a single device to the Media In (13) and Record Out (34). This improper setup forms a loop, which can cause severe feedback. Use separate decks for recording and playback.

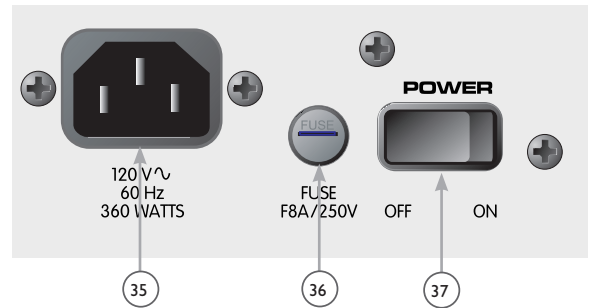
35 AC POWER INLET:

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

To avoid the risk of electrical shock, do not place fingers or any other objects into empty tube sockets while power is being supplied to unit.

36 FUSE

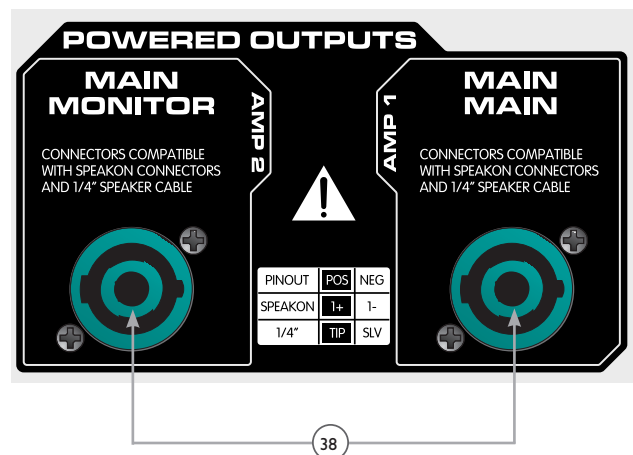
This is the main safety fuse for the AC line voltage. Only replace with a fuse of the exact type and rating. **If the fuse continues to open, take the unit to an authorized Peavey service center.**

37 POWER SWITCH

This is the main power switch. The power on LED indicator on the front of the unit will illuminate when the unit is powered.

38 MAIN/MONITOR AND MAIN OUTPUTS

These combination jacks (1/4" or Speakon®) are the amplifier's outputs.



XR® 8300 & XR® 8600 Specifications

Input Specifications

| Function | Input Z (ohms) Min | Input Gain Control Settings | Input Levels | | | Bal Unbal | Connector |
|---------------------|-----------------------|--|------------------|-----------------|------------------|--------------|--|
| | | | Min** | Nominal* | Max | | |
| Lo-Z Mic (150 ohms) | 2k | Max w/o pad (50dB) Max w/pad (25dB) | -59dBu -34dBu | -29dBu -4dBu | -11dBu +14dBu | Bal | XLR Pin 1 Gnd Pin 2 (+) Pin 3 (-) |
| Line Input | 22k | Max w/o pad (30dB) Max w/pad (25dB) | -27dBu -2dBu | +2dBu +27dBu | +21dBu +26dBu | Bal | 1/4" TRS; Tip (+) Ring (-) Sleeve Gnd |
| Tape | 20k | Max Gain (30dB) | -26dBu | +4dBu | +21dBu | Unbal | RCA jacks |

0dBu = 0.775V (RMS)

** Minimum input level (sensitivity) is the smallest signal that will produce nominal output (4dBu) with channel and master controls set for maximum gain.

* Nominal settings are defined as all controls set at 0dB (or 50% rotation for rotary pots).

Output Specifications

| Function | minimum Load Z (ohms) | Nominal | Max | Bal Unbal | Connector |
|----------|-----------------------|---------|--------|--------------|-------------------------------------|
| Main | 600 | +4dBu | +21dBu | Unbal | 1/4" Phono Tip (+) Sleeve Ground |
| Monitor | 600 | +4dBu | +21dBu | Unbal | 1/4" Tip (+) Sleeve Ground |
| Tape | 10k | -10dBu | +10dBu | Unbal | RCA |

+4dBu = 1.23V (RMS)

| | |
|--|--|
| Gain: Mic Input to Main Output Line Input to Main Output | 60dB (Max Gain) 30dB (Max Gain) |
| Frequency Response: Mic Input to Main Output Line Input to Main Output To Power Amplifier Output | 20Hz-20kHz +0dB/-1dB 20Hz-20kHz +0dB/-1dB 40Hz-20kHz +0dB/-1dB |
| Total Harmonic Distortion: <0.01% 20Hz-20kHz Mic Input to Main/Monitor Output at Nominal Level (20Hz-80kHz BW) <0.01% 20Hz-20kHz Line Input to Main/Monitor Output at Nominal Level (20Hz-80kHz BW) <0.005% Typical @ 1kHz | |
| Graphic Equalizer: Filter Frequencies Maximum Boost and Cut | 80, 250, 500, 1k, 2k, 4k, 10k +12dB Boost, -12dB Cut |

Features and specifications subject to change without notice.

XR® 8300 & XR® 8600 Specifications

Hum and Noise

| Output | Residual Noise Ref: 4dBu | Test Conditions |
|---------|-----------------------------|---|
| Main | -102dB -90dB | All controls down 1 channel nominal, Master nominal |
| Monitor | -98dB -90dB | All controls down 1 channel nominal, Master nominal Master Fader Nominal, Channel Fades Nominal, Mic Inputs Terminated @ 150 ohms |

Hum and Noise measurements: 22Hz-22kHz BW

S/N Ratio:

>90dB below rated power output, Mic/Line to Speaker Output

Equivalent Input Noise (EIN)

-122dBu (Input terminated with 150 ohms)

Crosstalk

>80dB Adjacent Input Channels (20Hz-20kHz)

>70dB Left to Right Outputs (20Hz-20kHz)

Common Mode Rejection Ratio (Mic Input)

50dB minimum (20Hz-20kHz)

60dB typical @ 1kHz

XR 8300 - Power Amplifier Specifications

Power Section:

400 SC Module with DDT

Total Harmonic Distortion (THD)

<0.02% @ rated output @ 1kHz

Input Sensitivity:

1.225 V RMS for rated power output

Rated Power:

300W program into 4 ohms, both channels driven/210W RMS into 4 ohms, both channels driven.
215W program into 8 ohms, both channels driven/150W RMS into 8 ohms, both channels driven.

DDT Dynamic Range:

Greater than 26dB

DDT Maximum Distortion:

Below 0.5% THD for 6dB overload
Below 1% THD for 20dB overload

Input Impedance:

11k ohms

Power Requirements:

DOM: 120VAC 60Hz 360W nominal
EXP: 220-230VAC/240VAC 50/60Hz
360W nominal

Frequency Response:

20Hz-20kHz +0dB/-1dB @ rated power

Hum and Noise:

95dB below rated power level (300W)

Dimensions (WxHxD):

19.125" x 10.875" x 11"

Damping Factor:

Greater than 100 @ 1kHz, 4 ohms

Weight:

35.6 lbs

XR® 8300 & XR® 8600 Specifications

XR 8600 - Power Amplifier Specifications

Power Section:

1200 SC Module with DDT

Total Harmonic Distortion (THD)

<0.01% @ rated output @ 1kHz

Input Sensitivity:

1.5 V RMS for 500W @ 4 ohms

Rated Power:

600W program into 4 ohms, both channels driven / 500W RMS into 4 ohms, both channels driven
475W program into 8 ohms, both channels driven / 360W RMS into 8 ohms, both channels driven

DDT Dynamic Range:

Greater than 26dB

DDT Maximum Distortion:

Below 0.5% THD for 6dB overload
Below 1% THD for 20dB overload

Input Impedance:

8.25k ohms

Power Requirements:

DOM: 120VAC 60Hz 500W nominal
EXP: 220-230VAC/240VAC 50/60Hz 500W nominal

Frequency Response:

20Hz-20kHz +0dB/-1dB @ rated power

Hum and Noise:

97dB below rated power level (500W)

Dimensions (WxHxD):

19.0" x 10.75" x 11"

Damping Factor:

Greater than 100 @ 1kHz, 4 ohms

Weight:

41.7 lbs

NOTES

[illegible]

PEAVEY ELECTRONICS CORPORATION LIMITED WARRANTY

EFFECTIVE DATE: JULY 1, 1998

What This Warranty Covers

Your Peavey Warranty covers defects in material and workmanship in Peavey products purchased and serviced in the U.S.A. and Canada.

What This Warranty Does Not Cover

The Warranty does not cover: (1) damage caused by accident, misuse, abuse, improper installation or operation, rental, product modification or neglect; (2) damage occurring during shipment; (3) damage caused by repair or service performed by persons not authorized by Peavey; (4) products on which the serial number has been altered, defaced or removed; (5) products not purchased from an Authorized Peavey Dealer.

Who This Warranty Protects

This Warranty protects only the original retail purchaser of the product.

How Long This Warranty Lasts

The Warranty begins on the date of purchase by the original retail purchaser. The duration of the Warranty is as follows:

| Product Category | Duration |
|---|-----------------------------|
| Guitars/Basses, Amplifiers, Pre-Amplifiers, Mixers, Electronic Crossovers and Equalizers | 2 years (+ 3 years)* |
| Drums | 2 years (+ 1 year)* |
| Enclosures | 3 years (+ 2 years)* |
| Digital Effect Devices and Keyboard and MIDI Controllers | 1 year (+ 1 year)* |
| Microphones | 2 years |
| Speaker Components (incl. speakers, baskets, drivers, diaphragm replacement kits and passive crossovers) and all Accessories | 1 year |
| Tubes and Meters | 90 days |

[*Denotes additional warranty period applicable if optional Warranty Registration Card is completed and returned to Peavey by original retail purchaser within 90 days of purchase.]

What Peavey Will Do

We will repair or replace (at Peavey's discretion) products covered by warranty at no charge for labor or materials. If the product or component must be shipped to Peavey for warranty service, the consumer must pay initial shipping charges. If the repairs are covered by warranty, Peavey will pay the return shipping charges.

How To Get Warranty Service

- (1) Take the defective item and your sales receipt or other proof of date of purchase to your Authorized Peavey Dealer or Authorized Peavey Service Center.
OR
- (2) Ship the defective item, prepaid, to Peavey Electronics Corporation, International Service Center, 412 Highway 11 & 80 East, Meridian, MS 39301 or Peavey Canada Ltd., 95 Shields Court, Markham, Ontario, Canada L3R 9T5. Include a detailed description of the problem, together with a copy of your sales receipt or other proof of date of purchase as evidence of warranty coverage. Also provide a complete return address.

Limitation of Implied Warranties

ANY IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE LENGTH OF THIS WARRANTY.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Exclusions of Damages

PEAVEY'S LIABILITY FOR ANY DEFECTIVE PRODUCT IS LIMITED TO THE REPAIR OR REPLACEMENT OF THE PRODUCT, AT PEAVEY'S OPTION. IF WE ELECT TO REPLACE THE PRODUCT, THE REPLACEMENT MAY BE A RECONDITIONED UNIT. PEAVEY SHALL NOT BE LIABLE FOR DAMAGES BASED ON INCONVENIENCE, LOSS OF USE, LOST PROFITS, LOST SAVINGS, DAMAGE TO ANY OTHER EQUIPMENT OR OTHER ITEMS AT THE SITE OF USE, OR ANY OTHER DAMAGES WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE, EVEN IF PEAVEY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

If you have any questions about this warranty or service received or if you need assistance in locating an Authorized Service Center, please contact the Peavey International Service Center at (601) 483-5365 / Peavey Canada Ltd. at (905) 475-2578.

FEATURES AND SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.



Logo referenced in Directive 2002/96/EC Annex IV (OJ/L37/38, 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



Features and specifications subject to change without notice.

Peavey Electronics Corporation • 711 A Street • Meridian, MS 39301
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