

DeltaBass™

Professional Bass Amplifier
Operating Guide





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, do not expose this appliance to rain or moisture. Before using this appliance, 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 evitar descargas eléctricas o peligro de incendio, no deje expuesto a la lluvia o humedad este aparato. Antes de usar este aparato, lea más advertencias en la guía de operación.



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.

AVERTISSEMENT: Afin de prévenir les risques de décharge électrique ou de feu, n'exposez pas cet appareil à la pluie ou à l'humidité. Avant d'utiliser cet appareil, lisez attentivement les avertissements supplémentaires de ce manuel.



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.

ACHTUNG: Um einen elektrischen Schlag oder Feuergefahr zu vermeiden, sollte dieses Gerät nicht dem Regen oder Feuchtigkeit ausgesetzt werden. Vor Inbetriebnahme unbedingt die Bedienungsanleitung lesen.

ENGLISH

DeltaBass™ Professional Bass Amplifier

Congratulations on your purchase of the Peavey DeltaBass™. The DeltaBass was designed keeping in mind the value of a lightweight, powerful bass amp. This amp has that and more.

Because the DeltaBass is a lightweight amp, it's portable enough for any gig or practice. The easy-to-use three-band EQ is so versatile you should have no problem quickly dialing up your sound. Professional features like a Tuner Send, Post-EQ Effects Loop, and a transformer balanced XLR jack with Pre/Post EQ switch will make your next gig a breeze. Notice that we tapped the signal for the XLR before the Volume control (even for the Post EQ Send) so you can adjust your stage volume without tampering with the sound in the mains. This will certainly score some valuable points with your soundman.

To get the most out of your new DeltaBass, we suggest that you read this entire manual. Pay special attention to any warnings/cautions to ensure your safety and the safety of your product. Thank you for buying Peavey!

FEATURES:

- Buffered tuner send jack
- Post EQ effects loop
- Transformer-balanced XLR jack
- Pre/Post EQ send switch for XLR jack
- Ground lift switch for XLR jack
- Patented DDT™ power amp compression with defeat switch and LED indicator
- 160 Watts (4 ohm) power amp

REAR PANEL:




REAR PANEL FEATURES

(1) REMOVABLE AC POWER CORD



This receptacle is for the IEC line cord (included), which provides AC power to the unit. Connect the line cord to this connector and to a properly grounded AC supply. Damage to the equipment may occur if an improper line voltage is used. (See voltage marking on unit.) Never remove or cut the ground pin of the line cord plug. This unit is supplied with a properly rated line cord. When lost or damaged, replace this cord with one of the proper ratings.

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 which is colored green and yellow must be connected to the terminal which is marked by the letter E, or by the earth symbol, or colored green or green and yellow. (2) The wire which is colored blue must be connected to the terminal which is marked with the letter N, or the color black. (3) The wire which is colored brown must be connected to the terminal which is marked with the letter L or the color red.

(2) POWER SWITCH

Used to turn AC mains power on or off. Place the switch in the (I) position to turn the unit on. Return it to the (O) position to turn the unit off. The Status/Power LED (22) on the front of the unit will illuminate to indicate the unit is on.


(3) FUSE

The fuse is located within the cap of the fuseholder. If the fuse should fail, IT MUST BE REPLACED WITH THE SAME TYPE AND VALUE IN ORDER TO AVOID DAMAGE TO THE EQUIPMENT AND TO PREVENT VOIDING THE WARRANTY. If the unit repeatedly blows fuses, it should be taken to a qualified service center for repair.

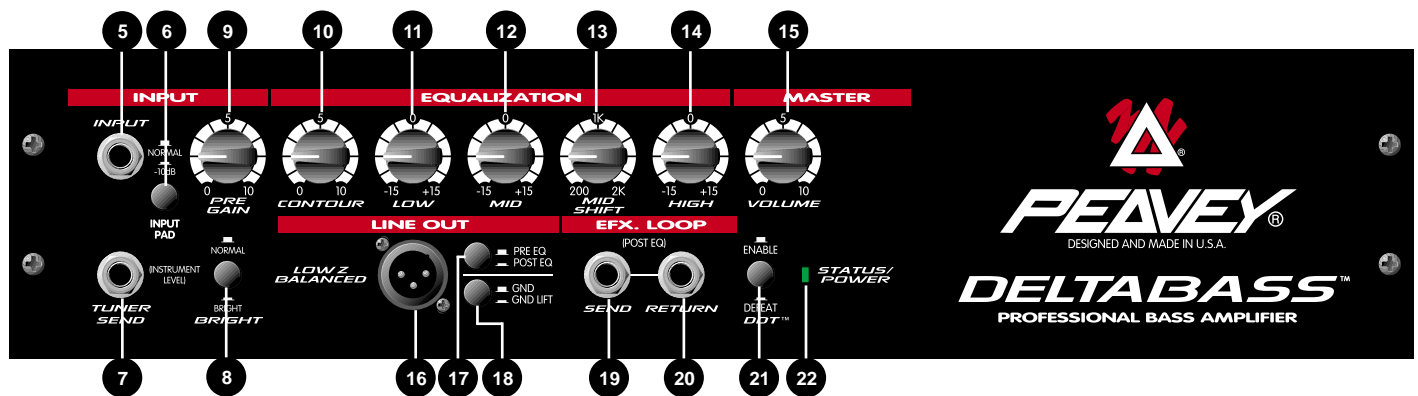
 **WARNING:** THE FUSE SHOULD ONLY BE REPLACED WHEN THE POWER CORD HAS BEEN DISCONNECTED FROM ITS POWER SOURCE.

CAUTION: USING A FUSE LARGER THAN THE RECOMMENDED SIZE COULD RESULT IN PERMANENT DAMAGE TO THE AMPLIFIER.

(4) SPEAKER JACKS

 Two paralleled 1/4" speaker jacks are provided for connection to speaker enclosures. The minimum speaker load impedance is 4 ohms.

FRONT PANEL:



FRONT PANEL FEATURES

(5) INPUT JACK

This mono 1/4" input will accept signals from all types of bass pickups.

(6) INPUT PAD SWITCH

This switch is provided for instruments that have an extremely high output, which can result in overdriving (distorting) the input stage. Depressing the switch to its "in" position reduces the level of the input signal by 10 dB.

- (7) **TUNER SEND JACK**
This 1/4" jack is provided for connecting an instrument tuner to your amp. Its signal is buffered off the input jack so it is just like plugging directly into the tuner.
- (8) **BRIGHT SWITCH**
This switch provides a preset boost to treble frequencies. To activate, depress the switch to its "in" position.
- (9) **PRE GAIN CONTROL**
This knob controls the input gain of the preamplifier. The input gain is at its maximum when this control is turned fully clockwise. Adjusting this control will adjust the sensitivity of your amp to your playing style.
- (10) **CONTOUR CONTROL**
This knob provides a specially voiced EQ as the knob is rotated clockwise. When the knob is fully counterclockwise (set to 0) there is no voicing added.
- (11) **LOW CONTROL (11)**
This active tone control (shelving type, +/-15 dB) varies the low frequency boost or cut.
- (12) **MID CONTROL**
This active tone control (peak/notch, +/-15 dB) adjusts the mid frequency range.
- (13) **MID SHIFT CONTROL**
Use this knob to select the frequency band that the mid control cuts or boosts.
- (14) **HIGH CONTROL**
This active tone control (shelving type, +/-15 dB) varies the high frequency boost or cut.
- (15) **VOLUME CONTROL**
This control determines the overall volume level of the amplifier. The final level adjustment should be made after the desired sound has been achieved. Adjusting this control clockwise will increase the overall volume level.
- (16) **LINE OUT—XLR JACK**
This male XLR provides a 600 ohm, transformer balanced signal for patching into a sound reinforcement or recording console.
- (17) **PRE/POST EQ SELECT SWITCH**
Use this switch to select between a Pre EQ (switch set to the "out" position) or a Post EQ (switch set to the "in" position) send to the XLR line out jack.
- (18) **GROUND LIFT SWITCH**
This switch is provided to lift the ground on the XLR jack when ground loops are encountered.
- (19) **EFFECTS SEND JACK**
Use this mono 1/4" output for supplying signals to external low-level effects or signal processing equipment.

(20) EFFECTS RETURN JACK

Use this mono 1/4" input for returning signals from external low-level effects or signal processing equipment.

(21) DDT™ COMPRESSION DEFEAT SWITCH

DDT™ compression is defeated when the button is in the "in" position. DDT should be enabled at all times to protect the speakers.

(22) STATUS/POWER LED

This LED serves two functions on the DeltaBass amp. The LED is green when the power switch is in the "on" position and power has been supplied to the DeltaBass. During normal operation, the LED also acts as a DDT indicator. The LED illuminates red when DDT power amp compression is taking place. When DDT™ is defeated, the LED will illuminate red when clipping occurs.

DeltaBass™

Specifications

NOTE: All specifications measure with mains voltage maintained at nominal level.

Mains Voltage = 120 VAC 60 Hz (Fuse: 5 amps)
230 VAC 50/60 Hz (Fuse: 3.5 amps)
100 VAC 50/60 Hz (Fuse: 6 amps)
Power Consumption = 200 watts

SYSTEM NOISE:

Typically greater than -85 dB

POWER AMPLIFIER SECTION:

Protection:

Current limit protection circuit.
Thermal protection circuit.
DDT™ speaker protection circuit with defeat switch.

GENERAL INFORMATION:

Minimum load = 4 ohms
DDT™ dynamic range: +12 dB
Input sensitivity: 1 V RMS
Two 1/4" output jacks in parallel.

POWER OUTPUT:

160 watts (25.3 V RMS) into 4 ohms with no more than 0.1% THD+N
175 watts (26.46 V RMS) into 4 ohms @ 1% THD+N

110 watts (29.66 V RMS) into 8 ohms with no more than 0.1% THD+N
120 watts (30.98 V RMS) into 8 ohms @ 1% THD+N

NOISE:

Greater than 100 dB below full power @ 8 ohms typically
-105 dB

PREAMPLIFIER SECTION:

SETTINGS FOR FOLLOWING MEASUREMENTS UNLESS OTHERWISE NOTED:

Pre-Gain = 5 (12 o'clock)
Contour = 0 (fully CCW)
Bass = 0 (12 o'clock)
Mid = 0 (12 o'clock)
Mid Shift = 12 o'clock
High = 0 (12 o'clock)
Master Volume = 5 (12 o'clock)
High Boost = out
Pad = out
DDT™ = Active

INPUT SENSITIVITY (Level to achieve full power):

With Pad Out...

Nominal input: 65 mv
Minimum input: 3 mv (pre gain and master fully CW)
Maximum input: 2.3 volts (maximum signal at input before clipping occurs)

With Pad (-10dB) In...

Nominal input: 205 mv
Minimum input: 9.5 mv (pre gain and master fully CW)
Maximum input: 7.2 volts (maximum signal at input before clipping occurs)

EQUALIZATION:

Contour: special EQ curve
Bass: +/-15 dB (shelving type)
Midrange: +/-15 dB (peaking type)
Mid Shift: 200-2 kHz
High: +/- 15 dB (shelving type)
High Boost: + 10 dB @ 8 kHz

EFFECTS LOOP:

Set for -10 dB with pre @ 5, Master @ 10

TUNER SEND:

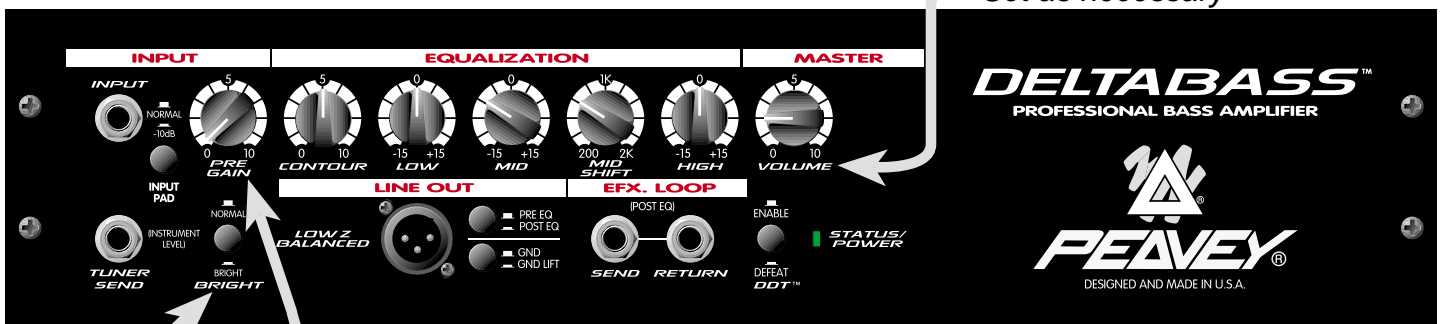
Buffered off input jack with no equalization.

XLR OUTPUT (referenced to 1 V RMS = 0dBv):

Pre-Eq selected: -2 dBv
Post-Eq selected: -3 dBv

DeltaBass™ Recommended Settings

Rock Setting

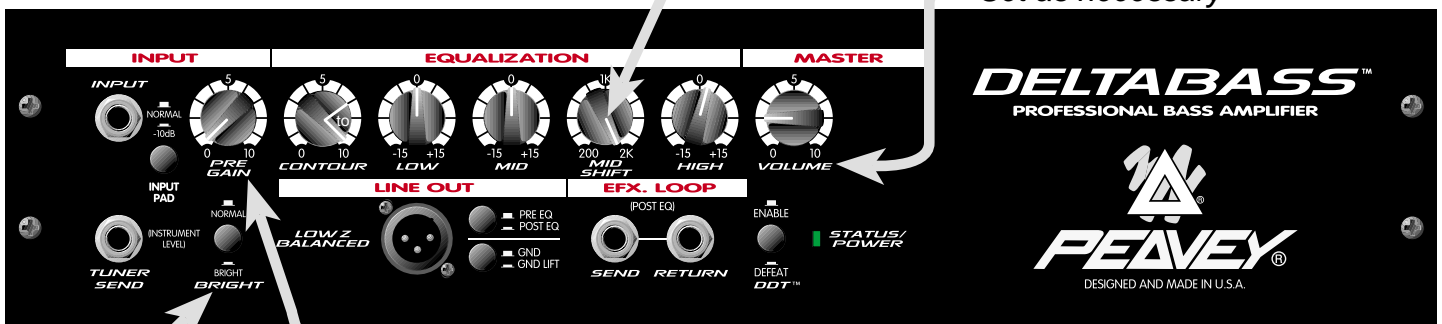


Set as necessary

In

Set to appropriate level for instrument being used

Slap Setting



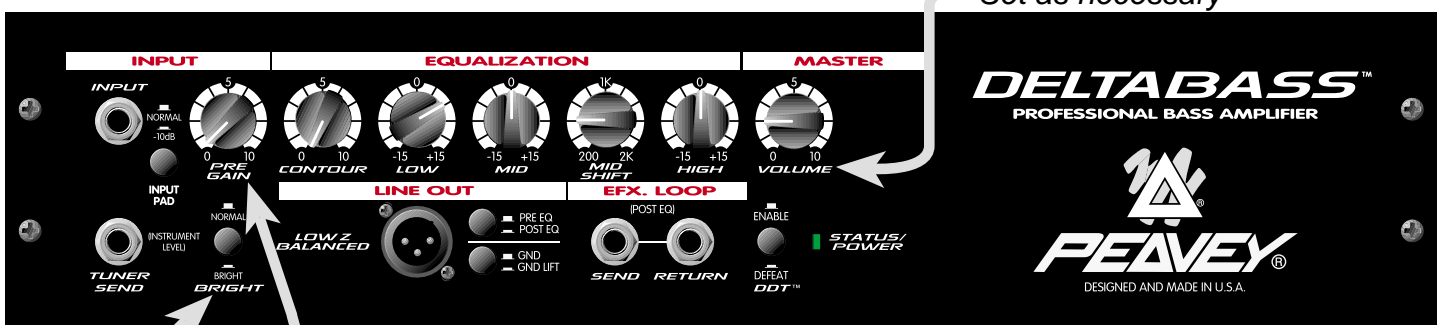
Set as necessary

In

Set to appropriate level for instrument being used

Doesn't matter when Mid is set to 0

Blues/Country Setting



Set as necessary

Out

Set to appropriate level for instrument being used

NOTE: DDT should be utilized for maximum speaker protection.

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:

<i>Product Category</i>	<i>Duration</i>
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.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: When using electric 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. For example, near or in a bathtub, swimming pool, sink, wet basement, etc.
6. Clean only with a damp cloth.
7. Do not block any of the ventilation openings. Install in accordance with manufacturer's instructions. It should not be placed flat against a wall or placed in a built-in enclosure that will impede the flow of cooling air.
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 prong. The wide blade or third prong is provided for your safety. When the provided plug does not fit into your inlet, consult an electrician for replacement of the obsolete outlet. Never break off the grounding. 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.
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 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. If this product is to be mounted in an equipment rack, rear support should be provided.
16. 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 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. Ear plugs 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!



Features and specifications subject to change without notice.

Peavey Electronics Corporation • 711 A Street • Meridian • MS • 39301
(601) 483-5365 • FAX (601) 486-1278 • www.peavey.com



80304642