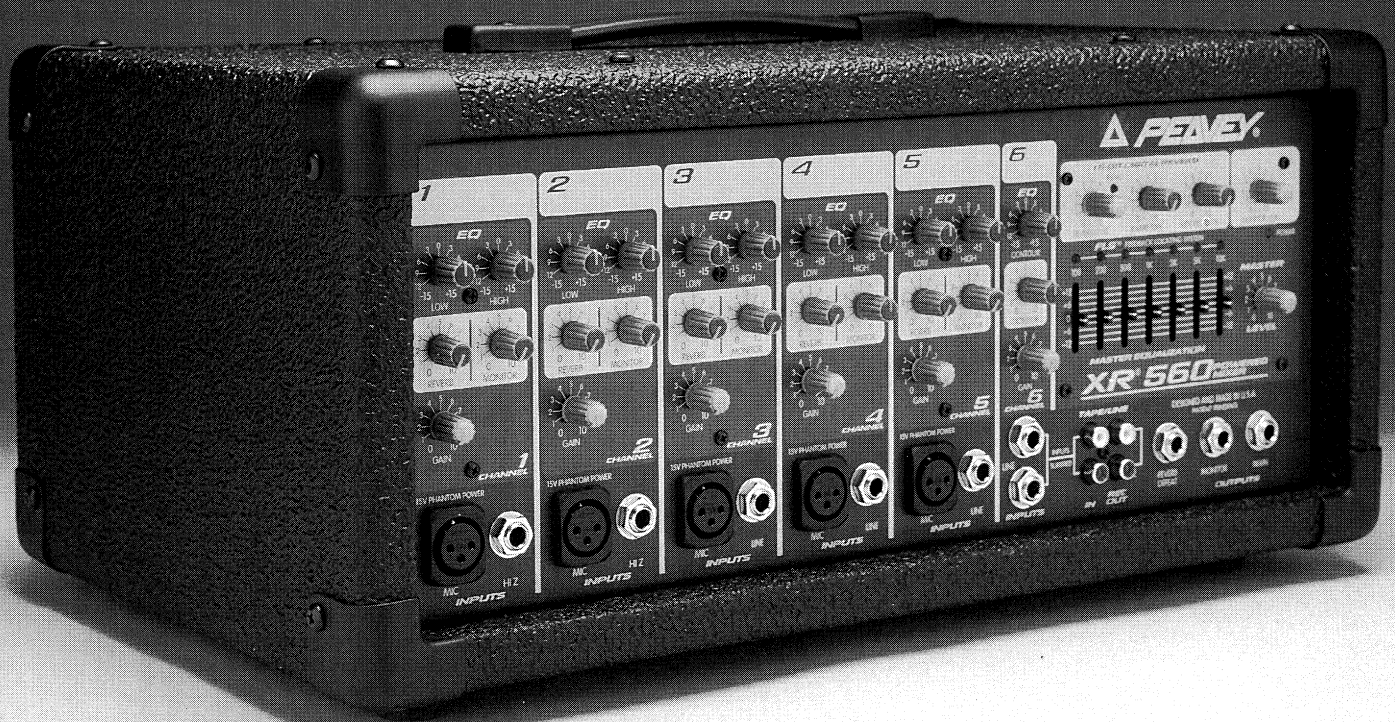


# XR<sup>®</sup> 560

Powered Mixer

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" que no tiene aislamiento dentro de la caja del producto que puede tener una magnitud suficiente como para constituir riesgo de corrientazo.



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

**PRECAUCION:** Riesgo de corrientazo – No abra.

**PRECAUCION:** Para disminuir el riesgo de corrientazo, no abra la cubierta. No hay piezas adentro que el usuario pueda reparar. Deje todo mantenimiento a los técnicos calificados.

**ADVERTENCIA:** Para evitar corrientazos 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 pur indiquer à l'utilisateur la présence à l'intérieur de ce produit de tension non-isolée dangereuse pouvant être d'intensité suffisante pour constituer un risque de choc électrique.



Ce symbole est utilisé pour indiquer à l'utilisateur qu'il ou qu'elle trouvera d'importantes instructions sur l'utilisation et l'entretien (service) de l'appareil dans la littérature accompagnant le produit.

**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. Confier l'entretien à un personnel qualifié.

**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 les avertissements supplémentaires situés dans le guide.



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.

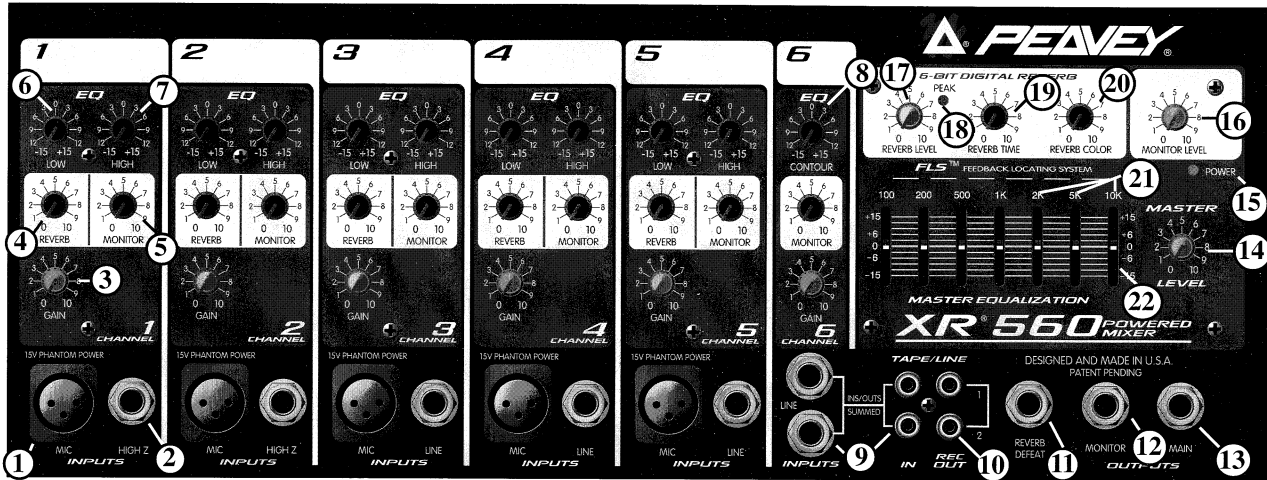
**VORSICHT:** Risiko – Elektrischer Schlag! Nicht öffnen!

**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

Thank you for purchasing the Peavey XR® 560! The XR 560 is a six-channel mixer with a variety of built-in features, including a dedicated line input channel (for a tape deck or other line level device), 16-bit digital reverb with time and color controls, seven-band EQ featuring Peavey's exclusive FLS™ Feedback Locating System and a 150W power amplifier, all housed in a rugged topbox package.



## CHANNEL FEATURES (CHANNELS 1-5)

### 1. MIC INPUT

XLR balanced low impedance channel input optimized for a microphone or other low impedance source. Pin 2 is the positive input. This connector has +15 V phantom power supply on pins 2 and 3 at all times (pin 1 is the ground reference).

### 2. HI-Z INPUT (CHANNELS 1-2)/LINE INPUT (CHANNELS 3-5)

Hi-Z input -1/4" unbalanced input for use with high impedance microphones, acoustic/electric guitars or other high impedance sources equipped with a 1/4" plug (TS).

Line input-1/4" unbalanced input that accepts line level sources equipped with a 1/4" plug (TS). The two inputs (XLR and 1/4") cannot be used simultaneously.

### 3. GAIN

Sets the level of the individual channel in the mix. (Channels 1-6)

### 4. REVERB SEND

Sets the level of the internal reverb for the channel and must be used in conjunction with the master reverb level. It is post gain and will be affected by the gain (3) adjustment.

**5. MONITOR SEND**

Controls the channel monitor mix level. It is independent of all channel functions, allowing adjustment of the "house" mix without affecting the monitor mix.  
(Channels 1-6)

**6. LOW EQ**

A shelving type of active tone control that varies the bass frequency levels  $\pm 15$  dB at 70 Hz. It will add depth to thin signals, or clean up muddy ones.

**7. HIGH EQ**

A shelving type of active tone control that varies the treble frequency level  $\pm 15$  dB at 12 kHz. It is designed to remove noise or to add brilliance to the signal, depending on the quality of the source.

## **AUX CHANNEL FEATURES (CHANNEL 6)**

**8. CONTOUR**

The Aux Channel of the XR 560 is provided with a high-frequency contour control that provides cut and boost at 10 kHz. This control is primarily designed to add brilliance or to roll off the high end in order to avoid feedback problems caused by high-frequency reflections off walls, ceilings, or other objects in the speaker/microphone acoustic environment.

**9. LINE AND TAPE INPUTS**

RCA and 1/4" jacks accept a stereo input from a CD player, tape deck or keyboard. These inputs are summed internally into a mono signal.



**CAUTION:** Care should be taken not to record on a deck that has its outputs connected to the line/tape input jacks and have the Channel 6 gain control turned up, or **Feedback will occur.**

## **MASTER FEATURES**

**10. TAPE OUTPUTS**

RCA output jacks that provide a monaural signal to the left and right inputs of a stereo tape deck. This is the main signal taken before the Master Level and the graphic EQ.

**11. REVERB FOOTSWITCH**

Provided for connection of the optional remote footswitch. The footswitch is used to activate/defeat the reverb.

**12. MONITOR OUTPUT**

This 1/4" unbalanced line level output can be used as a source for an external monitor

amplifier/speaker system. The level is determined by the channel monitor and master monitor controls. There is no reverb or EQ in this signal.

**13. MAIN OUTPUT**

1/4" unbalanced output that can be used as a source for an external amplifier/speaker system, feed to other mixers or a tape deck. This signal is taken before the graphic EQ.

**14. MASTER LEVEL CONTROL**

Controls the overall volume level of the system.

**15. POWER LED**

Illuminates when AC power is being supplied to the mixer.

**16. MASTER MONITOR LEVEL CONTROL**

This is the master for all channel monitor sends and determines the overall monitor mix level.

**17. MASTER REVERB LEVEL CONTROL**

Controls the amount of reverb that will be heard in the main mix.

**18. PEAK LED**

Illuminates when the signal being sent to the Digital Reverb is within 6 dB of clipping. The Channel Reverb controls (4) set this level, which can blink red occasionally without clipping.

**19. REVERB TIME CONTROL**

Controls the length of the reverb decay. Fully counterclockwise is the shortest available decay, while fully clockwise is the longest available decay.

**20. REVERB COLOR CONTROL**

Controls the brightness of the reverb. Fully clockwise is the brightest reverb, while fully counterclockwise results in a dark reverb.

**21. FEEDBACK LOCATING SYSTEM**

When feedback occurs, the LED of the frequency band that is feeding back will illuminate, indicating the slider to be adjusted. The LED will remain illuminated for a few seconds even after the feedback is gone. This is to allow you to see where the feedback is if the feedback goes away before any correction is made. If there is no feedback occurring, the LED of the frequency band with the most signal in it will illuminate. Just because the LED is illuminated does not mean that there is feedback occurring.

## OPERATING THE FEEDBACK LOCATING SYSTEM

The feedback locating system is normally used in one of two ways.

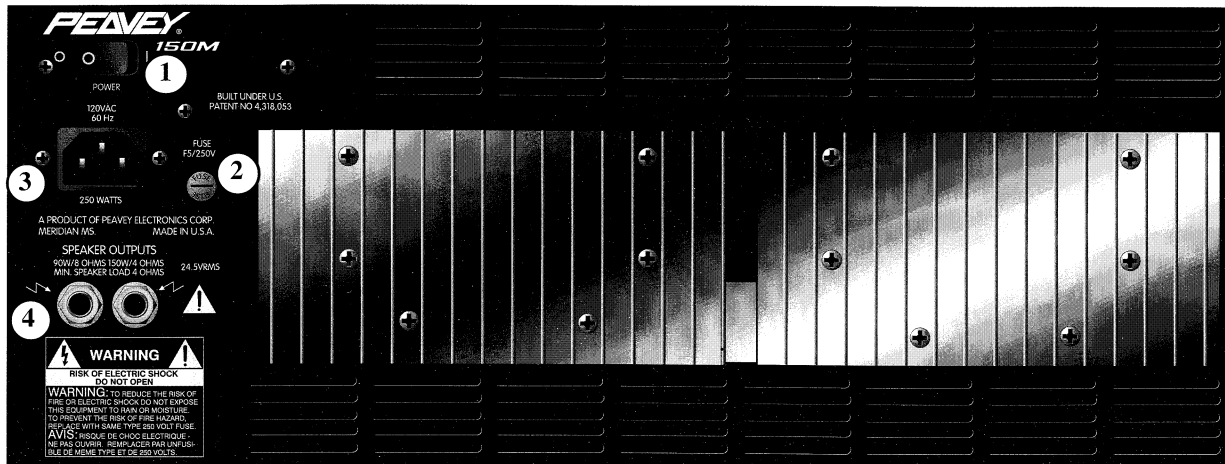
1. To catch and reduce/eliminate feedback "on-the-fly" during a performance.
2. To determine frequency bands that are susceptible to feedback before the performance, and eliminate them in advance. This is done, after the system is set up, by bringing up the microphone levels slowly to the point of feedback. As they start to feedback, note the LED activity on the FLS. Move the faders to decrease the "identified" bands. Now you have eliminated a high percentage of potential feedback problems before the performance even begins.

**NOTE:** It is not uncommon for feedback to occur over several frequency bands. Also, go easy when making fader adjustments, since extreme movements will affect your performance and be counterproductive. Some feedback or ringing, although audible, may not be louder than the other program material and may not light an LED.

### 22. 7-BAND GRAPHIC EQUALIZER

Provides  $\pm 12$  dB equalization at each center frequency. EQ boost is obtained by moving a particular EQ band's slide control above the center line. EQ cut is obtained by moving a particular EQ band's slide control below the center line.

**OPERATION NOTE:** This equalizer is designed to provide room equalization, feedback control and system tone control. No amount of equalization will correct the response curve of a poor loudspeaker. Always begin with all sliders in the "0" position and avoid excessively cutting large segments of the audio passband, which would limit the system's dynamic range.



**1. POWER SWITCH**

Used to turn AC mains power on or off.

**2. 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 amp 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.**

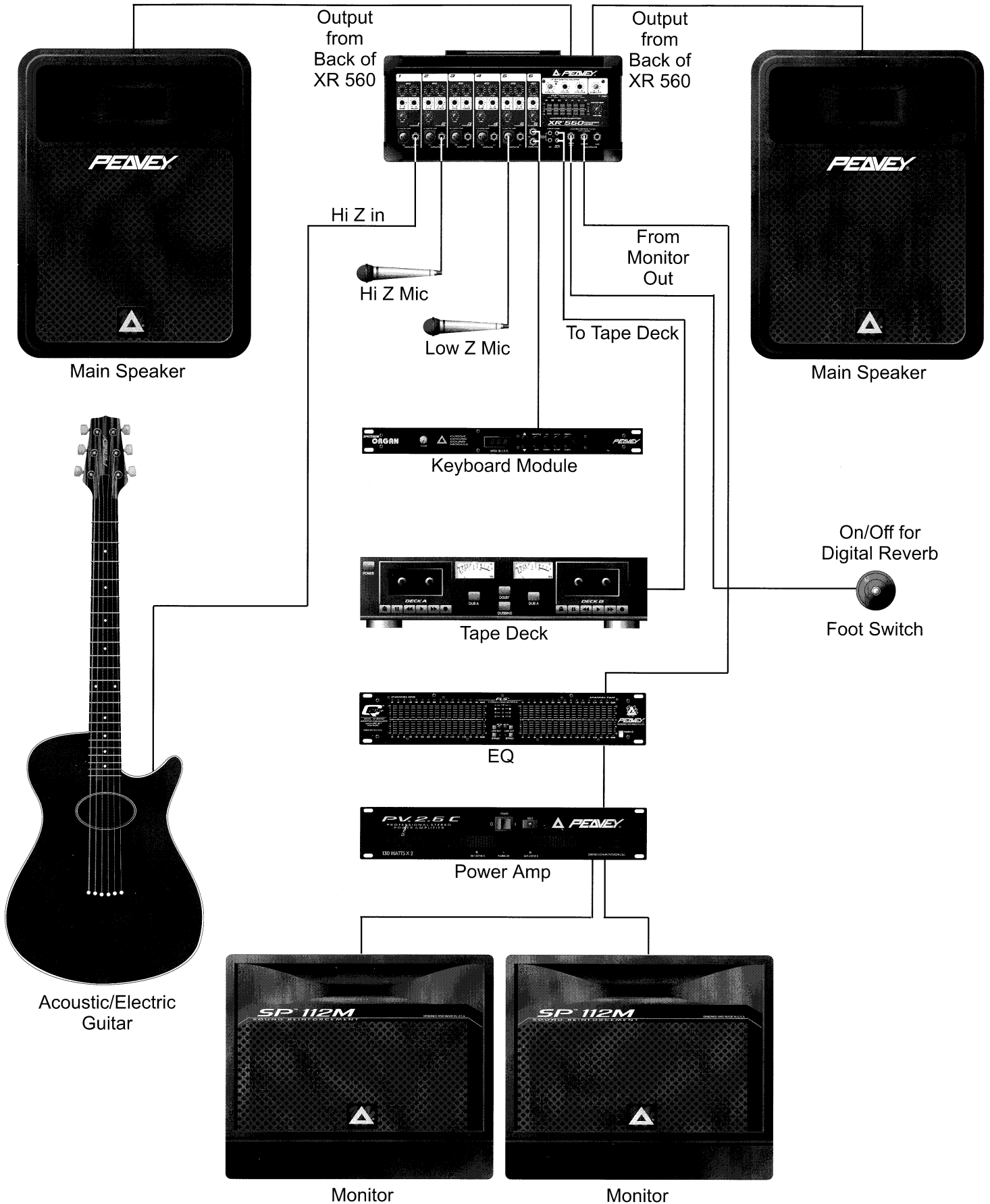
**3. AC LINE CORD SOCKET**

Provided to accept the removable AC line cord. Connect only to proper source--see back panel markings.

**4. SPEAKER OUTPUTS**

Two parallel 1/4" jacks are provided at the output of the power amplifier. Minimum speaker impedance is 4 ohms.

# XR 560 Applications Guide





### XR 560 Input Specifications:

Function	Input Z (ohms) Min	Input gain setting	Input Levels (to unbal outputs)			Bal / Unbal	Connector
			Min **	Nominal*	Max		
Microphone	2K	Max gain (50dB)	-58dBu	-30dBu	-8dBu	Bal	XLR Pin 1 Gnd Pin 2 (+), Pin 3 (-)
HI-Z	220K	Max gain (30dB)	-38dBu	-8dBu	+12dBu	Unbal	1/4" TS, Tip (+), Sleeve Ground
Line	10K	Max gain (20dB)	-28dBu	+2dBu	+22dBu	Unbal	1/4" TS; Tip (+), Sleeve Ground
Aux Input	100K	Max gain (20dB)	-26dBu	+2dBu	+22dBu	Unbal	1/4" TS; Tip (+), Sleeve Ground
Tape	100K	Max gain (20dB)	-26dBu	+2dBu	+22dBu	Unbal	RCA Jacks

Nom output: 2dBu= 0dBV=1V

\*\* Min input level (Sensitivity) is the smallest signal that will produce nominal output (2dBu) with channel and master controls set for maximum gain.

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

### XR 560 Output Specifications:

Function	Minimum Load Z (Ohms)	Output Level		Bal / UnBal	Connector
		Nominal	Max		
Main	600	+2dBu	+22dBu	Unbal	1/4" TS: Tip (+) Sleeve Ground
Monitor	600	+2dBu	+22dBu	Unbal	1/4" TS: Tip (+) Sleeve Ground
Tape	10k	-10dBV	+10dBu	Unbal	RCA

2dBu=0dBV=1V (RMS)

#### Gain:

Mic Input to Main Output	60dB (Max Gain)
Hi-Z Input to Main Output	40dB (Max Gain)
Line Input to Main Output	30dB (Max Gain)
Aux Input to Main Output	30dB (Max Gain)

#### Frequency Response:

Mic Input (XLR) to Main Output	20Hz to 20KHz +0dB / -1dB
Line Input to Main Output	20Hz to 20KHz +0dB / -1dB

#### Total Harmonic Distortion (THD):

- < 0.02% 20Hz to 20KHz Mic to Main/Monitor output at Nominal Level (22Hz - 80KHz BW)
- < 0.01% 20Hz to 20KHz Line to Main/Monitor output at Nominal Level (22Hz - 80KHz BW)
- < 0.005% typical at 1KHz

## Hum and Noise:

Output	Residual Noise Ref: 0dBu	S/N Ratio Ref: 2dBu	Test Conditions
Main	-100dBu	102dB	All controls down
	-90dBu	92dB	One channel nominal Master level nominal
Monitor	-96dBu	98dB	All controls down
	-90dBu	92dB	One channel send nominal, Monitor master nominal

(Hum and Noise Measurements: 22Hz to 22KHz BW)  
Nom output: 2dBu= 0dBV=1V

### S/N ratio

- >85dB below rated output (150WRMS) Mic to Speaker output
- >90dB below rated output (150WRMS) Line to Speaker output

### Equivalent Input Noise (EIN):

-115.5 dBu (Input terminated with 150 Ohms)

### Common Mode Rejection Ratio (Mic Input):

65dB min (20Hz - 20KHz)  
85dB typ @ 1KHz

### Power Amp Specifications: 150M Module with DDT

#### Power and Load:



90W RMS into 8 ohms  
150W RMS into 4 ohms  
2 ohms not recommended

#### Frequency Response:

20Hz - 20KHz +0dB / -1dB

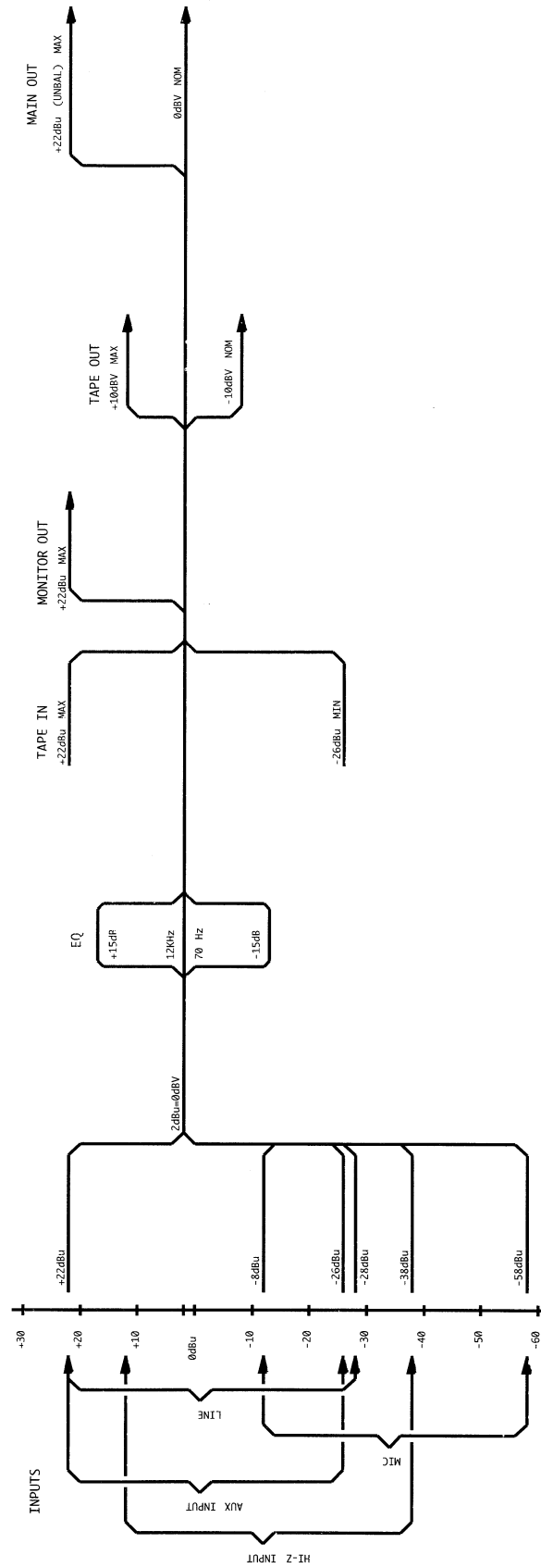
#### Total Harmonic Distortion (THD):

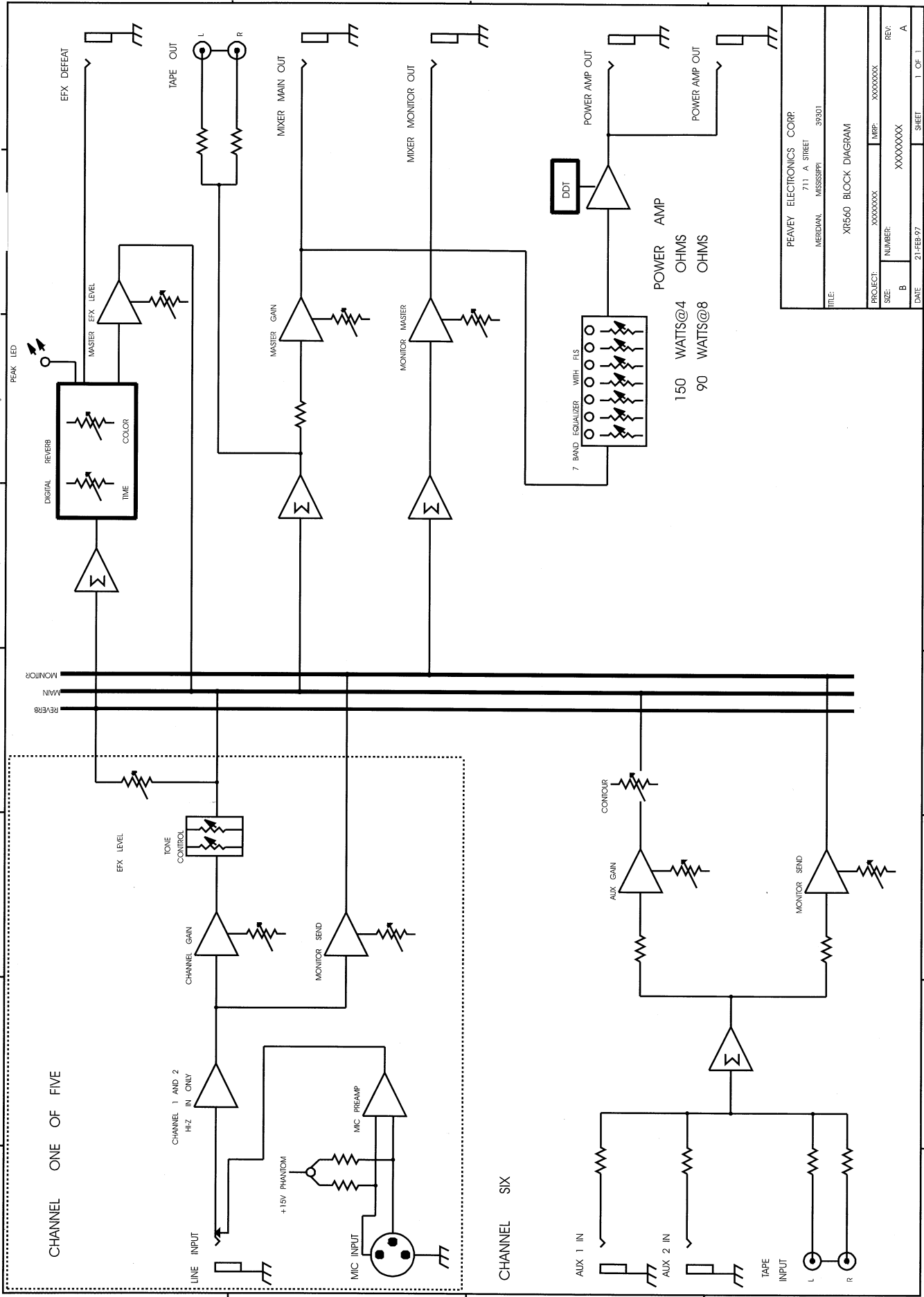
<0.03% at rated output @ 1KHz

#### Power Requirements:

DOM: 120VAC 60Hz                      250 Watts Max  
EXP: 220-230VAC/240VAC 50/60Hz      250 Watts Max

# XR560 LEVELS





PEAVEY ELECTRONICS CORP. 711 A STREET MERCIDIAN, MISSISSIPPI 39301	
TITLE:	XR560 BLOCK DIAGRAM
PROJECT:	XXXXXXXXXX
SIZE:	B
NUMBER:	XXXXXXXXXX
DATE:	21-FEB-97
SHEET:	1 OF 1
REV:	A

**THIS LIMITED WARRANTY VALID ONLY WHEN PURCHASED AND REGISTERED IN THE UNITED STATES OR CANADA. ALL EXPORTED PRODUCTS ARE SUBJECT TO WARRANTY AND SERVICES TO BE SPECIFIED AND PROVIDED BY THE AUTHORIZED DISTRIBUTOR FOR EACH COUNTRY.**  
Ces clauses de garantie ne sont valables qu'aux Etats-Unis et au Canada. Dans tous les autres pays, les clauses de garantie et de maintenance sont fixées par le distributeur national et assurées par lui selon la législation en vigueur. •• Diese Garantie ist nur in den USA und Kanada gültig. Alle Export-Produkte sind der Garantie und dem Service des Importeurs des jeweiligen Landes unterworfen. •• Esta garantía es válida solamente cuando el producto es comprado en E.U. continentales o en Canada. Todos los productos que sean comprados en el extranjero, están sujetos a las garantías y servicio que cada distribuidor autorizado determine y ofrezca en los diferentes países.

**PEAVEY ONE-YEAR LIMITED  
WARRANTY/REMEDY**

PEAVEY ELECTRONICS CORPORATION ("PEAVEY") warrants this product, EXCEPT for covers, footswitches, patchcords, tubes and meters, to be free from defects in material and workmanship for a period of one (1) year from date of purchase, PROVIDED, however, that this limited warranty is extended only to the original retail purchaser and is subject to the conditions, exclusions, and limitations hereinafter set forth:

**PEAVEY 90-DAY LIMITED WARRANTY ON TUBES AND METERS**

If this product contains tubes or meters, Peavey warrants the tubes or meters contained in the product to be free from defects in material and workmanship for a period of ninety (90) days from date of purchase; PROVIDED, however, that this limited warranty is extended only to the original retail purchaser and is also subject to the conditions, exclusions, and limitations hereinafter set forth.

**CONDITIONS, EXCLUSIONS, AND LIMITATIONS OF LIMITED WARRANTIES**

These limited warranties shall be void and of no effect, if:

- a. The first purchase of the product is for the purpose of resale; or
- b. The original retail purchase is not made from an AUTHORIZED PEAVEY DEALER; or
- c. The product has been damaged by accident or unreasonable use, neglect, improper service or maintenance, or other causes not arising out of defects in material or workmanship; or
- d. The serial number affixed to the product is altered, defaced, or removed.

In the event of a defect in material and/or workmanship covered by this limited warranty, Peavey will:

- a. In the case of tubes or meters, replace the defective component without charge.
- b. In other covered cases (i.e., cases involving anything other than covers, footswitches, patchcords, tubes or meters), repair the defect in material or workmanship or replace the product, at Peavey's option; and provided, however, that, in any case, all costs of shipping, if necessary, are paid by you, the purchaser.

**THE WARRANTY REGISTRATION CARD SHOULD BE ACCURATELY COMPLETED AND MAILED TO AND RECEIVED BY PEAVEY WITHIN FOURTEEN (14) DAYS FROM THE DATE OF YOUR PURCHASE.**

In order to obtain service under these warranties, you must:

- a. Bring the defective item to any PEAVEY AUTHORIZED DEALER or AUTHORIZED PEAVEY SERVICE CENTER and present therewith the ORIGINAL PROOF OF PURCHASE supplied to you by the AUTHORIZED PEAVEY DEALER in connection with your purchase from him of this product.  
If the DEALER or SERVICE CENTER is unable to provide the necessary warranty service you will be directed to the nearest other PEAVEY AUTHORIZED DEALER or AUTHORIZED PEAVEY SERVICE CENTER which can provide such service.

**OR**

- b. Ship the defective item, prepaid, to:

PEAVEY ELECTRONICS CORPORATION  
International Service Center  
326 Hwy. 11 & 80 East  
Meridian, MS 39301

including therewith a complete, detailed description of the problem, together with a legible copy of the original PROOF OF PURCHASE and a complete return address. Upon Peavey's receipt of these items: If the defect is remedial under these limited warranties and the other terms and conditions expressed herein have been complied with, Peavey will provide the necessary warranty service to repair or replace the product and will return it, FREIGHT COLLECT, to you, the purchaser.

Peavey's liability to the purchaser for damages from any cause whatsoever and regardless of the form of action, including negligence, is limited to the actual damages up to the greater of \$500.00 or an amount equal to the purchase price of the product that caused the damage or that is the subject of or is directly related to the cause of action. Such purchase price will be that in effect for the specific product when the cause of action arose. This limitation of liability will not apply to claims for personal injury or damage to real property or tangible personal property allegedly caused by Peavey's negligence. Peavey does not assume liability for personal injury or property damage arising out of or caused by a non-Peavey alteration or attachment, nor does Peavey assume any responsibility for damage to interconnected non-Peavey equipment that may result from the normal functioning and maintenance of the Peavey equipment.

**UNDER NO CIRCUMSTANCES WILL PEAVEY BE LIABLE FOR ANY LOST PROFITS, LOST SAVINGS, ANY INCIDENTAL DAMAGES, OR ANY CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT, EVEN IF PEAVEY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.**

THESE LIMITED WARRANTIES ARE IN LIEU OF ANY AND ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE; PROVIDED, HOWEVER, THAT IF THE OTHER TERMS AND CONDITIONS NECESSARY TO THE EXISTENCE OF THE EXPRESSED, LIMITED WARRANTIES, AS HEREINABOVE STATED, HAVE BEEN COMPLIED WITH, IMPLIED WARRANTIES ARE NOT DISCLAIMED DURING THE APPLICABLE ONE-YEAR OR NINETY-DAY PERIOD FROM DATE OF PURCHASE OF THIS PRODUCT.

SOME STATES DO NOT ALLOW LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THESE LIMITED WARRANTIES GIVE YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE.

THESE LIMITED WARRANTIES ARE THE ONLY EXPRESSED WARRANTIES ON THIS PRODUCT, AND NO OTHER STATEMENT, REPRESENTATION, WARRANTY, OR AGREEMENT BY ANY PERSON SHALL BE VALID OR BINDING UPON PEAVEY.

In the event of any modification or disclaimer of expressed or implied warranties, or any limitation of remedies, contained herein conflicts with applicable law, then such modification, disclaimer or limitation, as the case may be, shall be deemed to be modified to the extent necessary to comply with such law.

Your remedies for breach of these warranties are limited to those remedies provided herein and Peavey Electronics Corporation gives this limited warranty only with respect to equipment purchased in the United States of America.

**INSTRUCTIONS — WARRANTY REGISTRATION CARD**

1. Mail the completed WARRANTY REGISTRATION CARD to:

PEAVEY ELECTRONICS CORPORATION  
P.O. BOX 2898  
Meridian, MS 39302-2898

- a. Keep the PROOF OF PURCHASE. In the event warranty service is required during the warranty period, you will need this document. There will be no identification card issued by Peavey Electronics Corporation.
2. **IMPORTANCE OF WARRANTY REGISTRATION CARDS AND NOTIFICATION OF CHANGES OF ADDRESSES:**
  - a. Completion and mailing of WARRANTY REGISTRATION CARDS — Should notification become necessary for any condition that may require correction, the REGISTRATION CARD will help ensure that you are contacted and properly notified.
  - b. Notice of address changes — If you move from the address shown on the WARRANTY REGISTRATION CARD, you should notify Peavey of the change of address so as to facilitate your receipt of any bulletins or other forms of notification which may become necessary in connection with any condition that may require dissemination of information or correction.
3. You may contact Peavey directly by telephoning (601) 483-5365.

## IMPORTANT SAFETY INSTRUCTIONS

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

1. Read all safety and operating instructions before using this product.
2. All safety and operating instructions should be retained for future reference.
3. Obey all cautions in the operating instructions and on the back of the unit.
4. All operating instructions should be followed.
5. This product should not be used near water, i.e., a bathtub, sink, swimming pool, wet basement, etc.
6. This product should be located so that its position does not interfere with its proper ventilation. It should not be placed flat against a wall or placed in a built-in enclosure that will impede the flow of cooling air.
7. This product should not be placed near a source of heat such as a stove, radiator, or another heat producing amplifier.
8. Connect only to a power supply of the type marked on the unit adjacent to the power supply cord.
9. Never break off the ground pin on the power supply cord. For more information on grounding, write for our free booklet "Shock Hazard and Grounding."
10. Power supply cords should always be handled carefully. Never walk or place equipment on power supply cords. Periodically check cords for cuts or signs of stress, especially at the plug and the point where the cord exits the unit.
11. The power supply cord should be unplugged when the unit is to be unused for long periods of time.
12. If this product is to be mounted in an equipment rack, rear support should be provided.
13. Metal parts can be cleaned with a damp rag. The vinyl covering used on some units can be cleaned with a damp rag or an ammonia-based household cleaner if necessary. Disconnect unit from power supply before cleaning.
14. Care should be taken so that objects do not fall and liquids are not spilled into the unit through the ventilation holes or any other openings.
15. This unit should be checked by a qualified service technician if:
  - a. The power supply cord or plug has been damaged.
  - b. Anything has fallen or been spilled into the unit.
  - c. The unit does not operate correctly.
  - d. The unit has been dropped or the enclosure damaged.
16. The user should not attempt to service this equipment. All service work should be done by a qualified service technician.
17. This product should be used only with a cart or stand that is recommended by Peavey Electronics.
18. 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.

Ear plugs or protectors in 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.

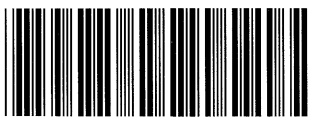
**SAVE THESE INSTRUCTIONS!**

**PEAVEY®**



Features and specifications subject to change without notice.

**Peavey Electronics Corporation 711 A Street / Meridian, MS 39301 / U.S.A. / (601) 483-5365 / Fax 486-1278**



**80300546**