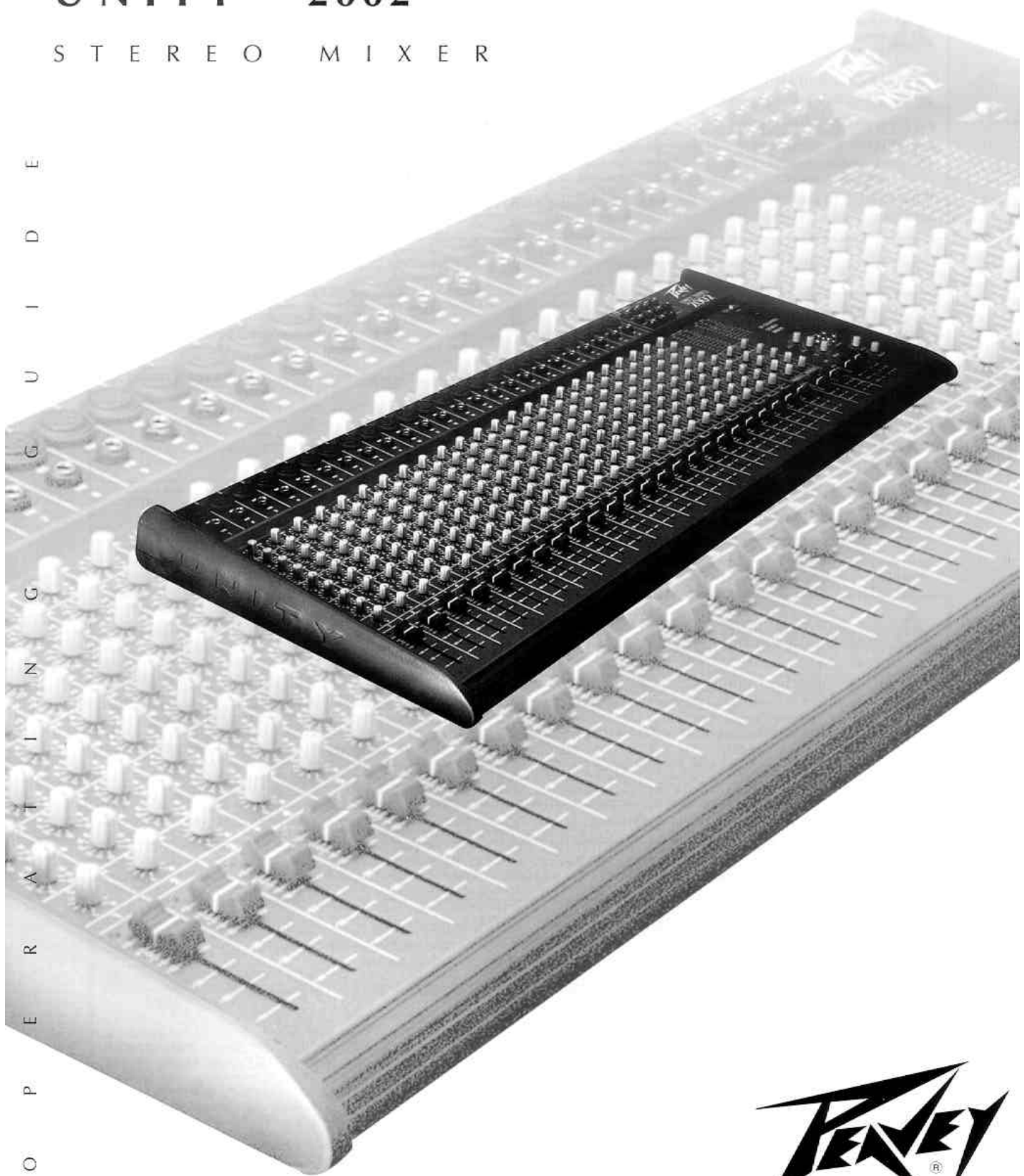


# UNITY™ 2002

S T E R E O M I X E R



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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.

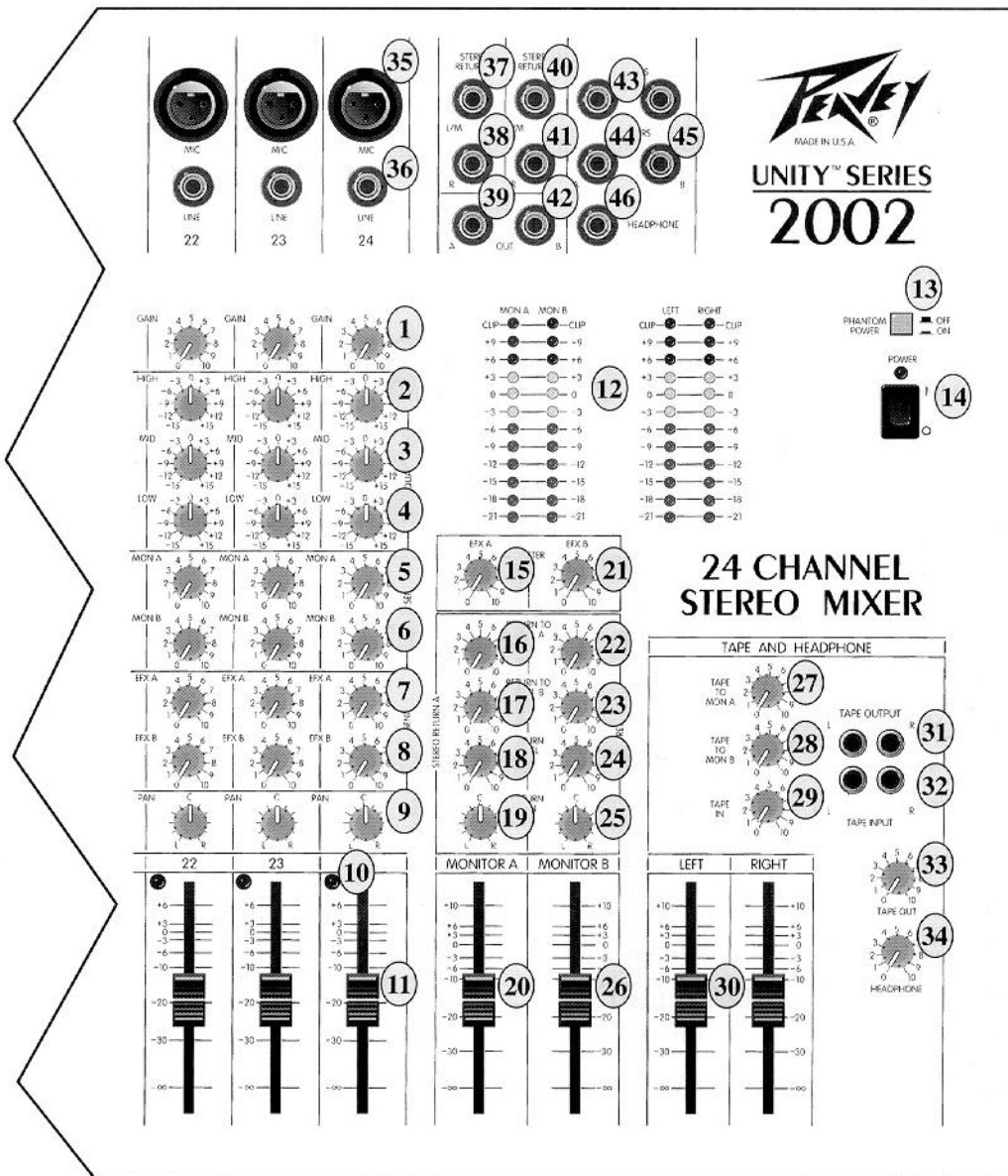


Dieses Symbol soll den Benutzer auf wichtige Instruktionen in der Bedienungsanleitung aufmerksam machen, die Handhabung und Wartung des Produkts betreffen.

**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.



### GAIN (1)

Varies the gain of the channel input stage to allow a wide input dynamic range. Proper adjustment of the input gain will maximize the signal to noise ratio. The Clip LED (10) will assist in setting this level.

### HIGH EQ (2)

A shelving type of active tone control that varies the high frequency range  $\pm 15$  dB at 12 kHz.

### MID EQ (3)

A peak/notch active tone control capable of  $\pm 15$  dB boost or cut at 750 Hz.

### LOW EQ (4)

A shelving type of active tone control that varies the low frequency range  $\pm 15$  dB at 80 Hz.

### MONITOR A (5)

Adjusts the level of the channel signal added into the Monitor A mix. This control is post EQ and pre fader, allowing channel fader adjustment without affecting the Monitor A mix.

### MONITOR B (6)

Adjusts the level of the channel signal added into the Monitor B mix. This control is post EQ and pre fader, allowing channel fader adjustment without affecting the Monitor B mix.

**EFFECTS A (7)**

Adjusts the level of the channel signal added into the Effects A mix. This control is post fader.

**EFFECTS B (8)**

Adjusts the level of the channel signal added into the Effects B mix. This control is post fader.

**PAN (9)**

Assigns the channel to any position in the Left-Right stereo field. For mono operation, the channel should be assigned to the Left or Right mix.

**CLIP LED (10)**

Indicates that the channel is nearing the clipping point. It illuminates at approximately +12 dBV and signals that the input Gain (1) should be reduced. There is approximately 6 dBV of headroom at this point.

**CHANNEL LEVEL (FADER) (11)**

Sets the level of the channel to the Left and Right mixes. The calibration is in dB, and the recommended setting is at the 0 dB (unity gain) mark to assure an optimum balance between noise and headroom.

**LED METER ARRAYS (12)**

Four twelve point LED arrays are provided to visually indicate the levels of the Left and Right mixes and the Monitor A and Monitor B mixes. The clip LED lights when the levels reach +12 dBV, 6 dBV below the actual clip level, as a warning of loss of headroom.

**PHANTOM POWER (13)**

Press to enable 48 V phantom mic power to all input XLR connectors.

**POWER SWITCH and LED (14)**

Press toward LED to turn on. LED will illuminate when power is on.

**EFFECTS A MASTER (15)**

Sets the overall Effects A mix level sent to the Effects A output jack.

**STEREO RETURN A TO MON A (16)**

Adjusts the level of the Stereo Return A that is assigned to the Monitor A mix.

**STEREO RETURN A TO MON B (17)**

Adjusts the level of the Stereo Return A that is assigned to the Monitor B mix.

**STEREO RETURN A LEVEL (18)**

Adjusts the level of the Stereo Return A that is added into the Left-Right mix.

**STEREO RETURN A PAN (19)**

Determines the balance of the Stereo Return A into the Left-Right mix. If the Stereo Return A signal is mono, it sets the Left-Right position.

**MONITOR A MASTER FADER (20)**

Sets the overall Monitor A mix level sent to the Monitor A output jack.

**EFFECTS B MASTER (21)**

Sets the overall Effects B mix level sent to the Effects B output jack.

**STEREO RETURN B TO MON A (22)**

Adjusts the level of the Stereo Return B that is assigned to the Monitor A mix.

**STEREO RETURN B TO MON B (23)**

Adjusts the level of the Stereo Return B that is assigned to the Monitor B mix.

**STEREO RETURN B LEVEL (24)**

Adjusts the level of the Stereo Return B that is added into the Left-Right mix.

### **STEREO RETURN B PAN (25)**

Determines the balance of the Stereo Return B into the Left-Right mix. If the Stereo Return B signal is mono, it sets the Left-Right position.

### **MONITOR B MASTER FADER (26)**

Sets the overall Monitor B mix level sent to the Monitor B output jack.

### **TAPE TO MONITOR A (27)**

Adjusts the level of the tape signal (made from a sum of the Left and Right tape inputs) into the Monitor A mix.

### **TAPE TO MONITOR B (28)**

Adjusts the level of the tape signal (made from a sum of the Left and Right tape inputs) into the Monitor B mix.

### **TAPE INPUT LEVEL (29)**

Adjusts the stereo level of the Tape signal added to the Left-Right mix.

### **LEFT/RIGHT MASTER FADERS (30)**

These are the master faders of the Left and Right mix, and set the overall output levels of the Left and Right output jacks. The calibration is in dB, and the recommended setting is at the 0 dB (unity gain) mark to assure an optimum balance between noise and headroom.

### **TAPE OUTPUT JACKS (31)**

Provides stereo signal to the Left and Right input of a stereo tape deck.

**Note:** This includes the tape input signal, which can cause feedback if the Tape Input Level is turned up when recording on a single machine.

### **TAPE INPUT JACKS (32)**

Receives stereo input from the output of a tape deck or CD player.

### **TAPE OUT LEVEL (33)**

Determines the level of signal sent to the Tape Output jacks. This signal is independent of the Left and Right master faders (pre fader).

### **HEADPHONE LEVEL (34)**

Adjusts the level of the Left and Right signals to the headphone jack. This signal is independent of the Left and Right master faders (pre fader).

### **LOW Z MIC INPUT (35)**

Channel input designed for use with a balanced low impedance mic or low level source equipped with an XLR connector.

### **LINE INPUT (36)**

High impedance channel input designed for unbalanced high level signals equipped with a 1/4" phone plug.

### **STEREO RETURN A, LEFT/MONO (37)**

Mono effects devices connected to Effects A may be returned at this point. This input supplies a mono signal to both the Left and Right mix if there is no plug connected to the Stereo Return Right jack. When a stereo effects device is connected, its Left output should be returned to this point.

### **STEREO RETURN A, RIGHT (38)**

When a stereo effects device is connected to Effects A, the Right output from the device should be returned to this point. (See Left/Mono Return.)

### **EFFECTS A OUT (39)**

Output of the Effects A mix to external effects or signal processing equipment. The level is set by the Effects A master and the Effects A signals from the channels.

#### **STEREO RETURN B, LEFT/MONO (40)**

Mono effects devices connected to the Effects B output may be returned at this point. This input supplies a mono signal to both the Left and Right mix if there is no plug connected to the Stereo Return Right jack. When a stereo effects device is connected, its Left output should be returned to this point.

#### **STEREO RETURN B, RIGHT (41)**

When a stereo effects device is connected to the Effects B output, the Right output from the device should be returned to this point. (See Left/Mono Return.)

#### **EFFECTS B OUT (42)**

Output of the Effects B mix to external effects or signal processing equipment. The level is set by the Effects B master and the Effects B signals from the channels.

#### **LEFT OUTPUT/ RIGHT OUTPUT (43)**

These are the outputs of the Left-Right mix that are adjusted by the Left and Right master faders.

#### **MONITOR A OUTPUT (44)**

Output of the Monitor A mix signal which can be used to feed an external monitor system. The level is set by the Monitor A master fader and the Monitor A signals from the channels.

#### **MONITOR B OUTPUT (45)**

Output of the Monitor B mix signal which can be used to feed an external monitor system. The level is set by the Monitor B master fader and the Monitor B signals from the channels.

#### **HEADPHONE JACK (46)**

This stereo jack provides signal to drive stereo headphones. Tip = Left, Ring = Right.

# SPECIFICATIONS

## Summary of Functions:

12, 16, or 24 inputs; Left and Right main outputs; two monitor outputs; two effects outputs; three-band EQ each channel; low Z balanced mic and a high Z unbalanced line input for each channel; unbalanced line outputs for Left, Right, monitors, and effects; stereo unbalanced high Z effects returns; LED clip level indicator on each channel; LED level arrays for the Left, Right, and Monitor A & B outputs; stereo tape inputs and outputs; headphone output; 48 V mic phantom power with enable switch.

## Channel Microphone Inputs:

Input Impedance:  
Low Z, 150 to 600 ohms, balanced  
Nominal Input Level:  
-30 dBV, (32 mV RMS)  
Minimum Input Level:  
-56 dBV, (1.5 mV RMS)  
Maximum Input Level:  
+19 dBV, (8.9 V RMS)

## Channel Line Inputs:

Input Impedance:  
High Z, 16 K ohms, unbalanced  
Nominal Input Level:  
-18 dBV (126 mV RMS)  
Minimum Input Level:  
-44 dBV (6 mV RMS)  
Maximum Input Level:  
+30 dBV (32 V RMS)

## Left, Right, Monitor, and Effects Outputs:

Load Impedance:  
600 ohms or greater

Nominal Output:  
0 dBV (1 V RMS)  
Maximum Output:  
+19 dBV (8.9 V RMS)  
50 K ohm load  
+20 dBm (7.75 V RMS)  
600 ohm load

## Effects Return Inputs (L/Mono, Right):

Input Impedance:  
High Z, 22 K ohms, unbalanced  
Nominal Input Level:  
0 dBV (1 V RMS)  
Minimum Input Level:  
-16 dBV (158 mV RMS)  
Maximum Input Level:  
+7 dBV (2.2 V RMS)

## Tape Inputs:

Input Impedance:  
High Z, 22 K ohms, unbalanced  
Nominal Input Level:  
-10 dBV (316 mV RMS)  
Minimum Input Level:  
-26 dBV (50 mV RMS)  
Maximum Input Level:  
+7 dBV (2.2 V RMS)

The following parameters are measured with a nominal input gain setting of 5, all channel and master sliders set at 0 dB, all EQ's set flat, and all XLR inputs terminated with 150 ohms.

## Frequency Response:

+0, -1 dB, 20 Hz to 20 kHz

## Noise:

Residual Noise: -94 dBV  
Bus Noise: -82 dBV  
Nominal: -81 dBV

## Equivalent Input Noise (E.I.N.):

-129 dBV (150 ohm source)

## Distortion:

Less than .02%  
(0 dBV output, 20 Hz to 20 kHz)

## Equalization:

±15 dB @ 80 Hz and 12 kHz (shelving)  
±15 dB @ 750 Hz (peak/notch)

## Crosstalk:

Less than -60 dB @ 1 kHz

## Maximum Available Gain:

+10 dB Master Left, Right, Monitor A, and Monitor B sliders  
+6 dB channel slider  
+56 dB channel input gain control  
+72 dB maximum input to output gain

## Channel LED Clip Level Indicator:

+17 dBV

## Master LED Readout Range:

-21 dBV to +9 dBV (Left and Right outputs) in 3 dB steps  
Clip LED @ +17 dBV

## Phantom Voltage:

+48 V with enabling switch

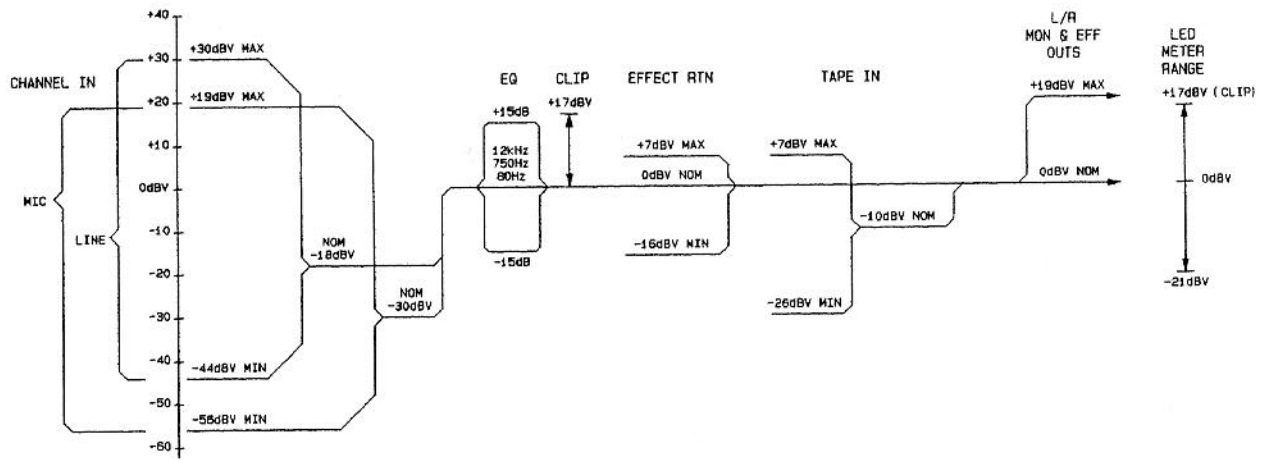
## Power Requirements:

120 V AC, 60 Hz, 30 watts  
240 V AC, 50/60 Hz, 30 watts

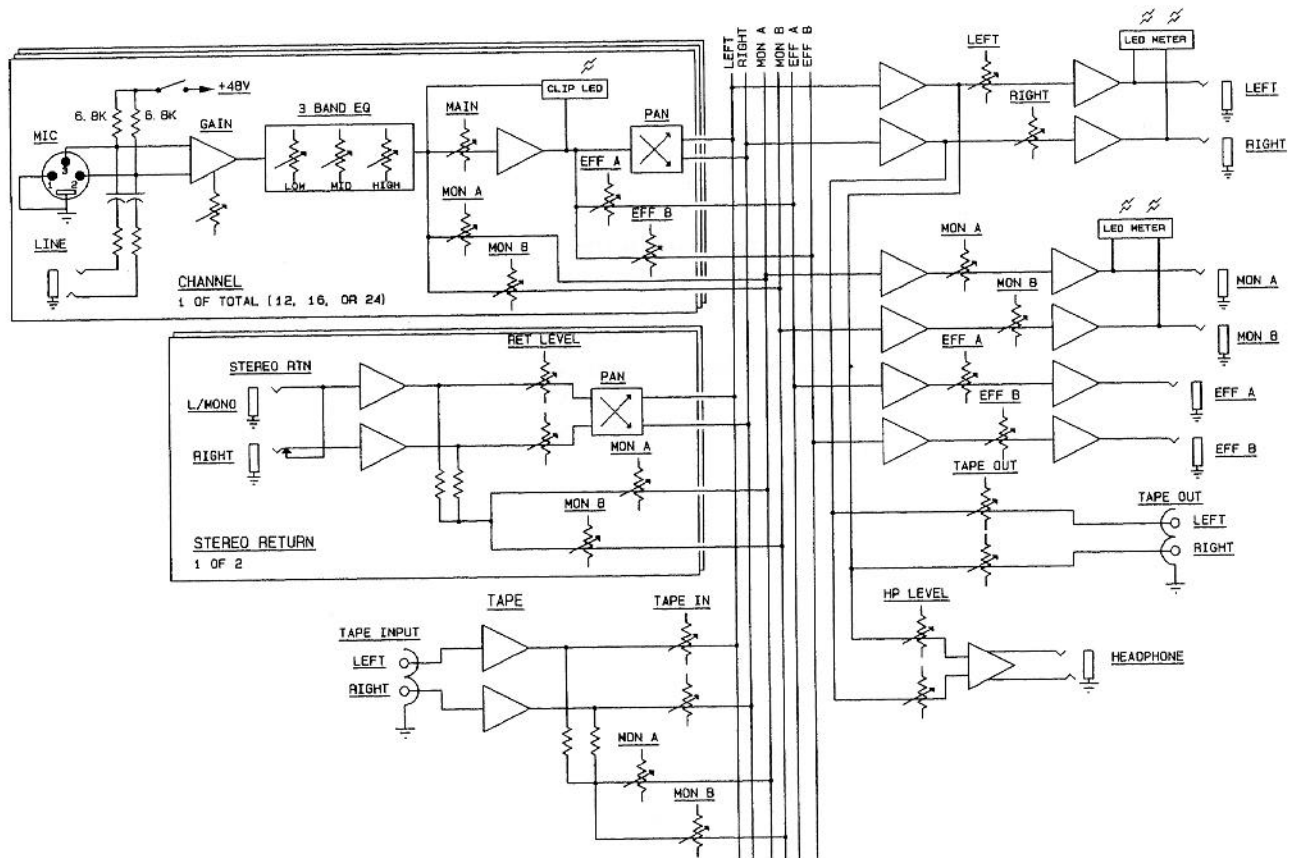


*Due to our efforts for constant improvements, features and specifications listed herein are subject to change without notice.*

# Level Diagram



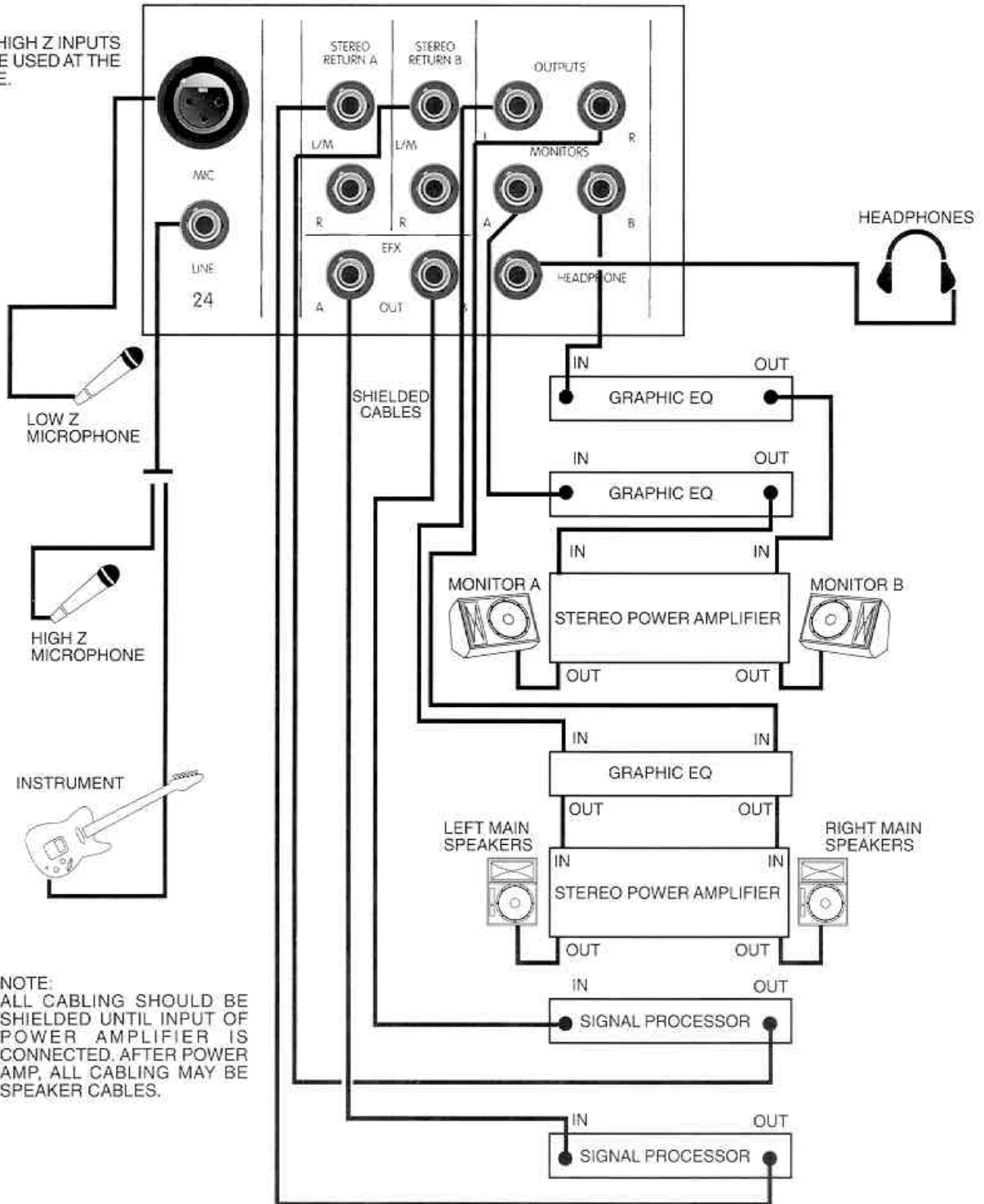
# Flowchart





# SYSTEM PATCH

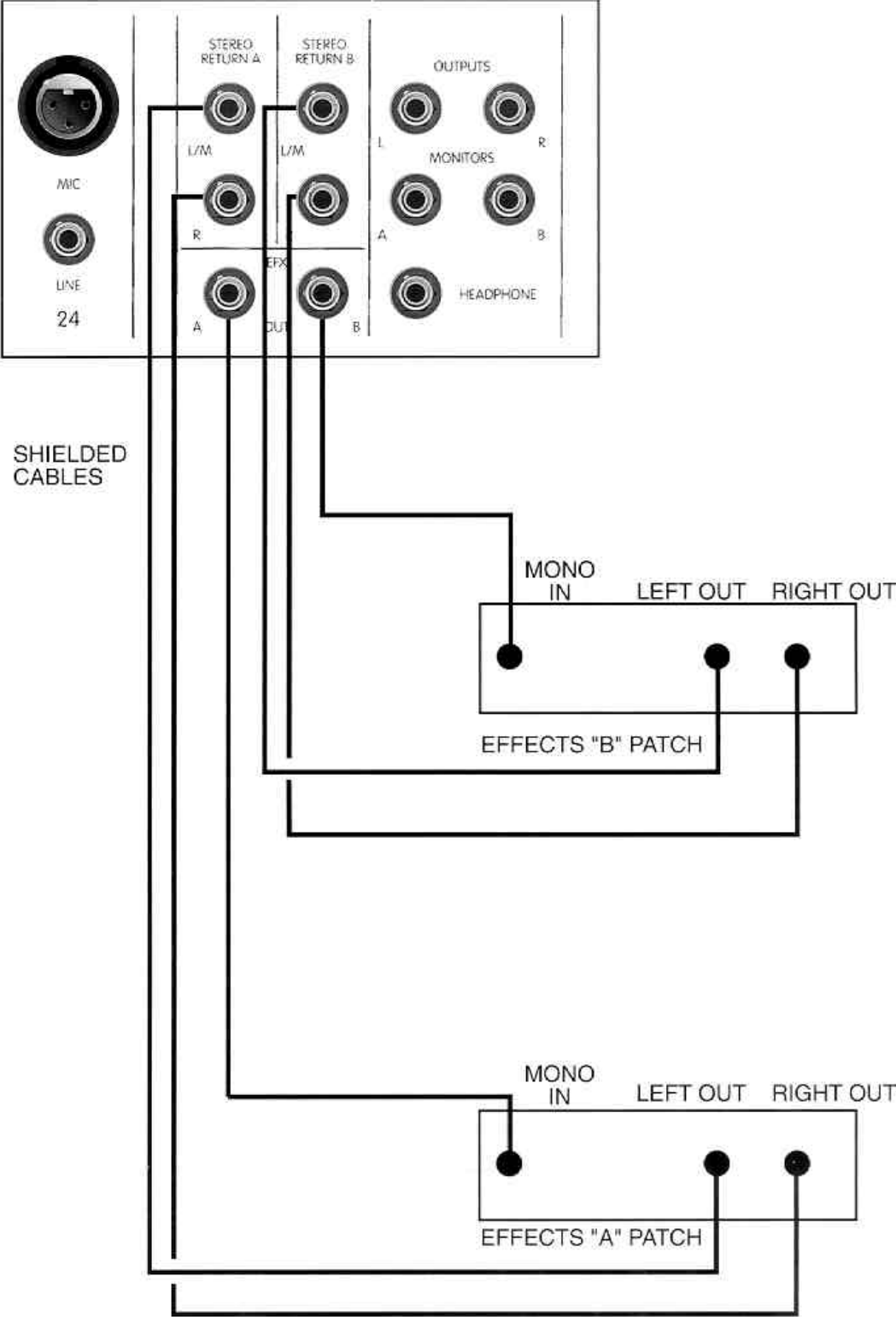
NOTE:  
LOW AND HIGH Z INPUTS  
CANNOT BE USED AT THE  
SAME TIME.



NOTE:  
ALL CABLING SHOULD BE  
SHIELDED UNTIL INPUT OF  
POWER AMPLIFIER IS  
CONNECTED. AFTER POWER  
AMP, ALL CABLING MAY BE  
SPEAKER CABLES.

NOTE: THE PATCH FOR "A" AND "B" SIGNAL PROCESSORS IS IN MONO.  
(SEE STEREO PATCH)

# STEREO EFFECTS PATCH



**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!



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