

OWNERS 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.



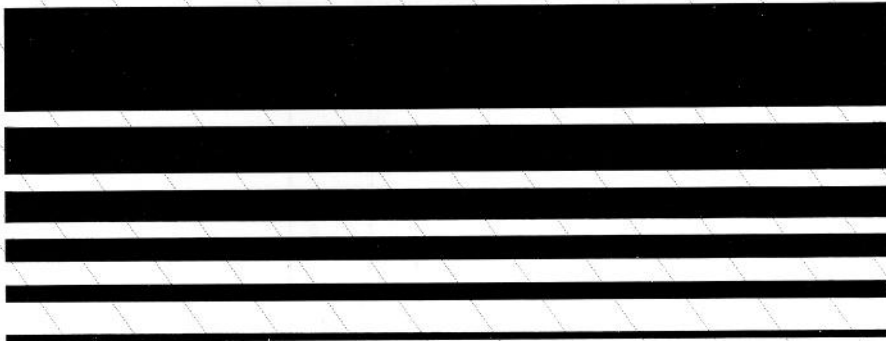
Intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

CAUTION: Risks 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.



MD[®] -III / MD[®] -IIIB

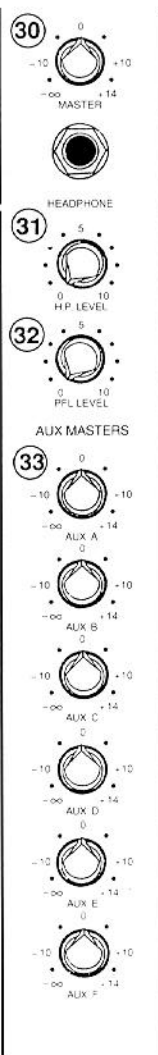
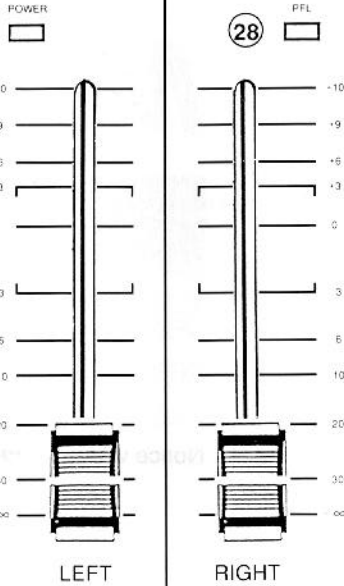
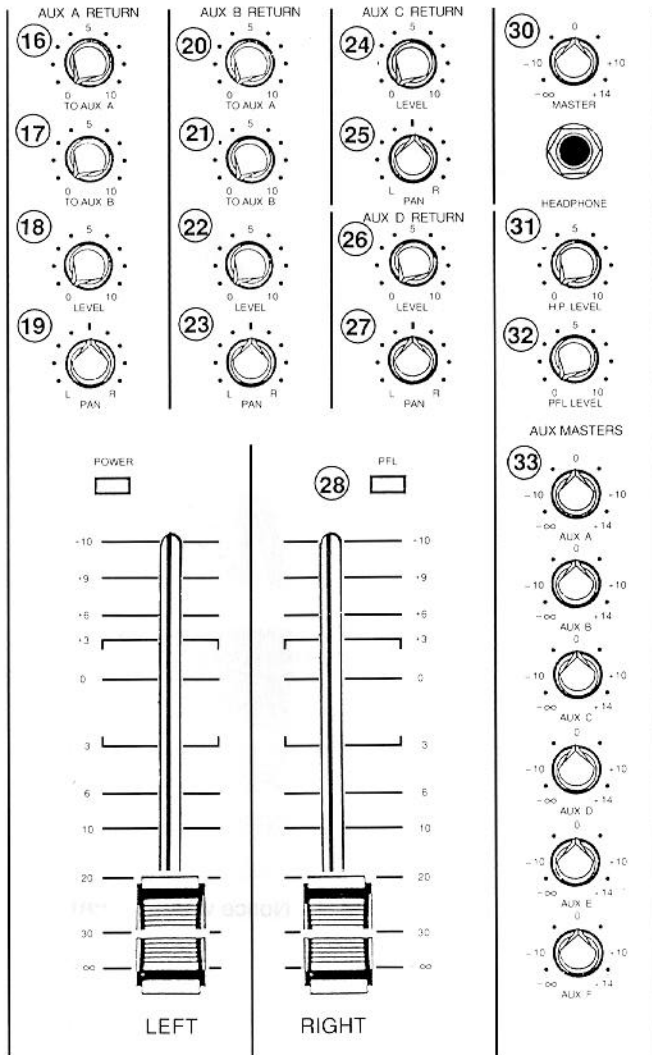
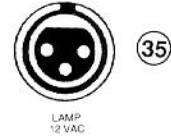
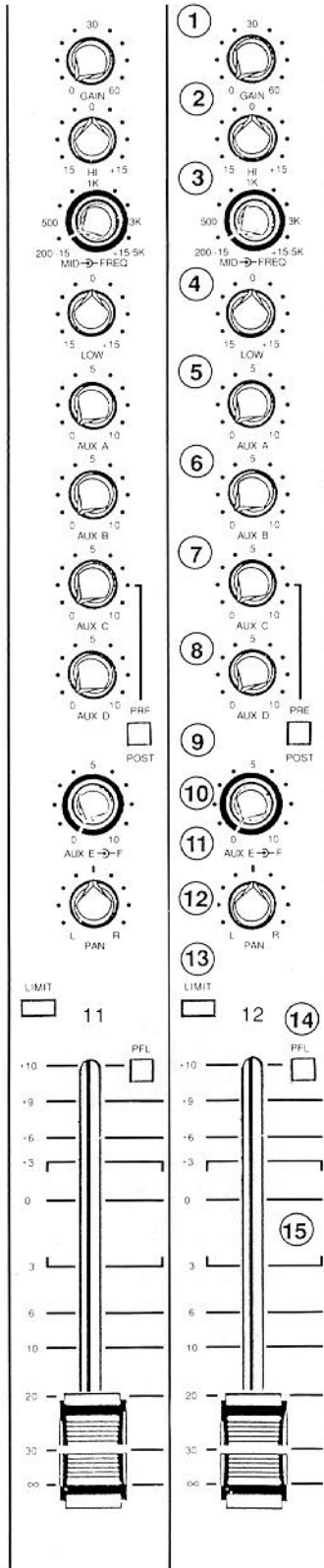
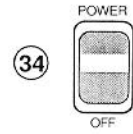


WARNING: TO PREVENT ELECTRICAL SHOCK OR FIRE HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. BEFORE USING THIS APPLIANCE, READ THE OPERATING GUIDE FOR FURTHER WARNINGS.

11	12
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FENLEY **MD[®] III**
12 x 2 Mixer

Made in U.S.A.



CHANNELS

GAIN (1)

Varies the gain of the channel input stage to allow a wide input dynamic range. Proper adjustment of the input gain is aided by observance of the LIMIT LED.

HIGH (2)

An active tone control (shelving type ± 15 dB) that varies the high frequency boost or cut.

MID FREQUENCY (3)

The (inner) "MID" is an active control capable of 15 dB of boost or cut at the center frequency selected by the (outer) "FREQUENCY" control. Frequency range is variable from 200 Hz to 5 kHz.

LOW (4)

An active tone control (shelving type, ± 15 dB) that varies the low frequency boost or cut.

AUX A (5)

Used to adjust the level of signal sent from the channel to the AUX A mix. The signal at this point is PRE the EQ and channel fader, and is controlled by the AUX A send and input gain control. May be used as a monitor send control.

AUX B (6)

Used to adjust the level of signal sent from the channel to the AUX B mix. The signal at this point is PRE the EQ and channel fader, and is controlled by the AUX B send and input gain control. May be used as a monitor send control.

AUX C (7)

Used to adjust the level of signal sent from the channel to the AUX C mix. The signal at this point is determined by the INPUT GAIN (1)/AUX C LEVEL/and PRE/POST (9) switch. With the PRE/POST switch in the "in" position the action of this control is POST and the signal is affected by the EQ and channel FADER. The "out" position is PRE and the signal is unaffected by the EQ or the channel FADER.

AUX D (8)

Used to adjust the level of signal sent from the channel to the AUX D mix. The signal at this point is determined by the INPUT GAIN (1)/AUX D LEVEL/and PRE/POST (9) switch. With the PRE/POST switch in the "in" position the action of this control is POST and the signal is affected by the EQ and channel FADER. The "out" position is PRE and the signal is unaffected by the EQ or the channel FADER. (See operational note on AUX C and D PRE/POST switch number 9)

AUX C AND D PRE/POST SWITCH (9)

Used to select the source of the AUX C and D Channel sends. When the PRE/POST switch is in the "in" position, the AUX C and D sends are POST the EQ and channel FADER. In the "out" position, the AUX C and D sends are PRE the EQ and channel fader. **NOTE:** PRE operation is normal for stage monitor mix applications, and POST is normally used for effects/signal processors. (See operational note)

OPERATIONAL NOTE

Your new MD III mixing console offers exceptional AUX send capability from each channel. Overview of AUX configuration... The send capability of AUX A and B is "fixed" PRE, and the send capability of AUX E and F is "fixed" POST. Stage monitor mix applications usually require "PRE" sends from the console and effects/signal processing applications normally require "post" sends from the console. Notice we have labeled "all" channel send controls "AUX," indicating multi-use functionality. However, the AUX A and B sends will most likely be used for monitor mixes and AUX E and F sends

will most likely be used for signal processing. There are "two" additional sends labeled AUX C and D, which are "SWITCHABLE" PRE or POST. With the PRE/POST switch in the "out" position, AUX sends C and D are PRE. This configuration offers "four" separate PRE monitor sends (AUX A, B, C, and D), and "two" POST effects sends (AUX E and F). With the PRE/POST switch in the "in" position AUX sends C and D are POST. This configuration offers "four" separate POST effects sends (AUX C, D, E, and F), and "two" PRE monitor sends (AUX A and B).

AUX E (10)

Used to adjust the level of signal sent from the channel to the AUX E mix. The signal at this point is POST the EQ and channel fader, and is controlled by the AUX E send and input gain control. Should normally be used as an effects/signal processing send.

AUX F (11)

Used to adjust the level of signal sent from the channel to the AUX F mix. The signal at this point is POST the EQ and channel fader, and is controlled by the AUX F send and input gain control. Should normally be used as an effects/signal processing send.

PAN (12)

For stereo operation, PAN is used to mix the channel to Left, Right, or in-between in the "stereo image." For Mono (2 x 1) operation, PAN enables channel assignment to the Left or Right submasters (see #30).

LIMIT LED (13)

Indicates when the signal level in the channel is too high. It illuminates when the channel signal reaches approximately +18 dBV.

PFL SWITCH (14)

Used to route a post EQ signal to the headphones for cueing purposes. The PFL system is active when the switch is in the "in" position.

CHANNEL LEVEL SLIDER (15)

Determines the level of the channel. Calibration is in dB and level is variable from -infinity (off) to +10 dB. This should be operated near the "0 dB" (unity gain) indicator whenever possible to assure an optimum balance between channel noise and headroom.

MASTER SECTION

AUX RETURN SECTION

NOTE: There are four AUX returns provided for routing signals back into the master mix section. These returns (A, B, C, and D) are totally independent of the AUX sends and AUX outputs.

AUX A RETURN

TO AUX A (16)

Allows the AUX A return to be assigned to the AUX A mix.

TO AUX B (17)

Allows the AUX A return to be assigned to the AUX B mix.

LEVEL (18)

When an outboard effects device is connected into the AUX A return jack, this control regulates the level of the effect in the Left or Right mix. Must be used together with AUX A Pan.

PAN (19)

Allows the effects return signal to be assigned to Left Main, Right Main, or both.

AUX B RETURN

TO AUX A (20)

Allows the AUX B return to be assigned to the AUX A mix.

TO AUX B (21)

Allows the AUX B return to be assigned to the AUX B mix.

LEVEL (22)

When an outboard effects device is connected into the AUX B return jack, this control regulates the level of the effect in the Left or Right mix. Must be used together with AUX B Pan.

PAN (23)

Allows the effects return signal to be assigned to Left Main, Right Main or both.

AUX C RETURN (STEREO)

LEVEL (24)

When an outboard effects device is connected into the AUX C return jack, this control regulates the level of the effect in the Left or Right mix. Must be used together with AUX C Pan.

NOTE: AUX C return jack is stereo. Stereo effects processors may be returned at this point. Stereo (RTS) 1/4" plug is required. When mono effects return signals are patched in at this point, stereo 1/4" plug must be rewired with tip and ring connected.

PAN (25)

Allows the effects return signal to be assigned to Left Main, Right Main or both.

AUX D RETURN (STEREO)

LEVEL (26)

When an outboard effects device is connected into the AUX D return jack, this control regulates the level of the effect in the Left or Right mix. Must be used together with AUX D Pan.

NOTE: AUX D return jack is stereo. Stereo effects processors may be returned at this point. Stereo (RTS) 1/4" plug is required. When mono effects return signals are patched in at this point, stereo 1/4" plug must be rewired with tip and ring connected.

PAN (27)

Allows the effects return signal to be assigned to Left Main, Right Main or both.

PFL SWITCH (28)

Used to route a pre fader signal from the Left and Right outputs to the headphones for cueing purposes. The PFL system is active when the switch is in the "in" position.

LED ARRAYS (29)

Two calibrated LED arrays are provided to visually indicate the levels of the LEFT and RIGHT outputs.

MASTER (30)

Controls the overall mix level when the mixer is operated in the mono configuration (2x1). "Master" is the combination of the Main Left and Right signals and the Master AUX In.

HEADPHONE LEVEL (31)

Adjusts the left and right signal level to the headphone jack. Signal is taken pre the left and right main sliders. (This control is active only when no PFL switches are engaged.)

PFL LEVEL (32)

Controls the level for any "pre fade listen" (PFL) source, selected on the mixer. One or more PFL switches must be engaged before this control is active.

AUX MASTERS (A, B, C, D, E, and F) (33)

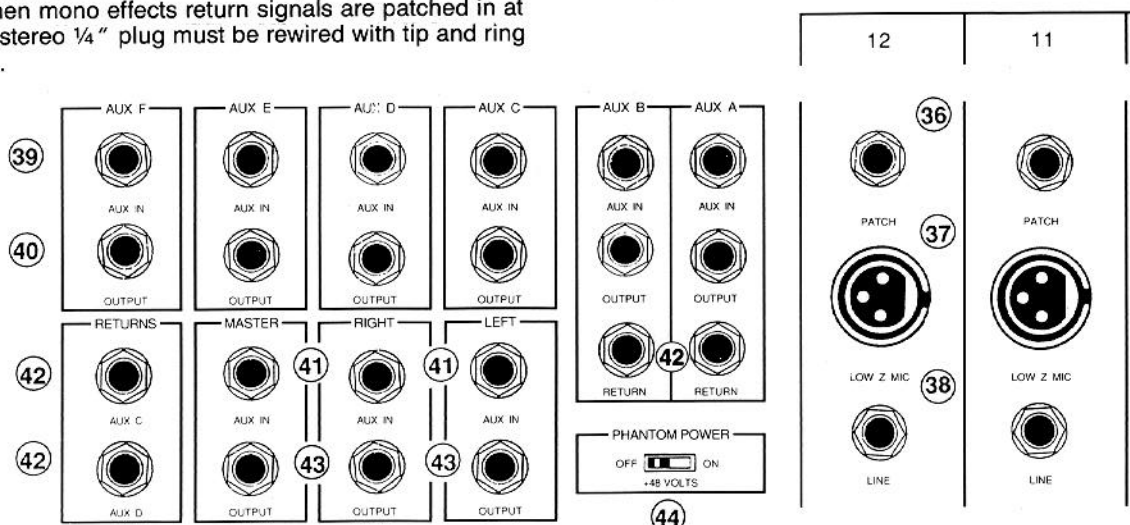
Controls the signal output level for each AUX mix appearing at the AUX output jacks on the rear panel. NOTE: PRE AUX mixes are normally used for stage monitors. POST AUX mixes are generally used for signal processing.

POWER SWITCH (34)

Depress the switch to the "on" position. The red pilot light (LED) will illuminate indicating power is being supplied to the unit.

LAMP (35)

A 2-pin XLR jack is provided for connecting an optional gooseneck mixer lamp (Model ML-2) for illumination in adverse lighting conditions.

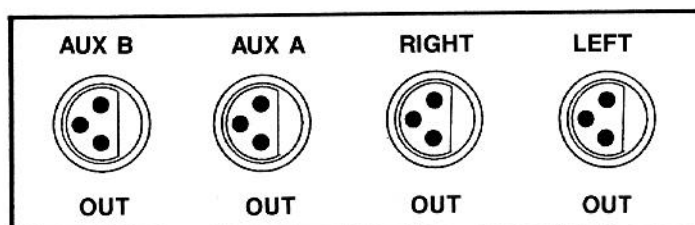


120 VAC
60 HZ
30 WATTS



WARNING: TO PREVENT THE RISK OF FIRE AND SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. DO NOT REMOVE COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
AVIS: RISQUE DE CHOC ELECTRIQUE. NE PAS OUVRIR.

REAR PANEL



NOTE: Transformer Balanced (XLR) Output are provided for AUX A, AUX B, LEFT and RIGHT signals on MD-111B only.

PATCH (36)

This jack allows individual channel patching after the input GAIN control and before the channel equalization. This stereo jack is wired so that if a phone plug is inserted to the first detent only, the send from the channel will be accessed without interrupting the normal channel signal flow.

If a stereo phone plug is inserted fully into the jack, the channel "send" connects to the tip and the ring portion becomes the channel "return." In this mode, normal channel signal flow is interrupted and equipment connected via the stereo phone plug is inserted in-line.

LOW Z MIC (37)

For use with low impedance microphones or low level sources equipped with an XLR connector.

LINE IN (38)

For use with high impedance microphones or high level sources equipped with a 1/4" phone plug.

AUX IN (39)

Auxiliary inputs are provided for each AUX mix. This input is used to connect line level signals to AUX mix. The connector is a mono (TS) 1/4" phone jack. Tip is signal, sleeve is signal ground.

AUX OUTPUT (40)

Outputs are provided for each AUX mix. This output is used to connect the AUX mix output to external devices using a mono (TS) 1/4" phone jack. Tip is signal, sleeve is signal ground.

AUX IN (41)

Auxiliary inputs are provided for the MASTER, LEFT, and RIGHT mixes. This input is used to connect line level signals directly into the MASTER mix, LEFT mix, or the RIGHT mix. The connector is a mono 1/4" (TS) phone jack. Tip is signal and sleeve is signal ground.

RETURN (42)

Four returns are provided (A, B, C, and D). Used to connect line level signals to the AUX RETURN. Signal at this point may be routed to LEFT or RIGHT masters with AUX RETURN level and pan controls (18), (19), (22), (23). **NOTE:** AUX A and AUX B returns have the capability to route signal from the RETURN jack to AUX A and AUX B mixes. The connector is a mono 1/4" (TS) phone jack. Tip is signal, sleeve is signal ground.

OUTPUT (43)

Outputs are provided for LEFT, RIGHT, and MASTER mixes. Used to connect the MIX output signal to external devices. The connector is a mono 1/4" (TS) phone jack. Tip is signal, sleeve is signal ground. **NOTE:** LEFT and RIGHT outputs are normally used for "stereo" or dual-output operation. The master output is normally used for "mono" operation.

PHANTOM POWER SWITCH (44)

Selects phantom power for all channels. In the "off" position no phantom powering is available on any channels.

LINE CORD (120V products only) (45)

For your safety, we have incorporated a 3-wire line (mains) cable with proper grounding facilities. It is not advisable to remove the ground pin under any circumstances. If it is necessary to use the equipment without proper grounding facilities, suitable grounding adaptors should be used. Less noise and greatly reduced shock hazard exists when the unit is operated with the proper grounded receptacles.

DANGER
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

8
6
4
3
2
1 1/2
1
1/2
1/4 or less

SOUND LEVEL dBA, SLOW RESPONSE

90
92
95
97
100
102
105
110
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 INSURE 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.

CAUTION

THIS MIXING CONSOLE/EFFECTS DEVICE/PREAMP HAS BEEN DESIGNED AND CONSTRUCTED TO PROVIDE ADEQUATE SIGNAL (VOLTAGE) FOR PLAYING MODERN MUSIC. IMPROPER USE OF THE GAIN/EQUALIZER CONTROLS AND/OR IMPROPER USE OF INTERNAL/EXTERNAL BUSES **MAY** CREATE CLIPPING (SQUARE WAVES) AND POSSIBLY CAUSE SUBSEQUENT DAMAGE TO THE LOUDBREAKER SYSTEMS. EXTENDED OPERATION OF THE GAIN/EQUALIZATION CONTROLS IN THEIR MAXIMUM POSITIONS IS THEREFORE **NOT** RECOMMENDED PLEASE BE AWARE THAT **MAXIMUM POWER** CAN BE OBTAINED WITH VERY LOW SETTINGS OF THE GAIN/EQUALIZATION CONTROLS IF THE INPUT SIGNAL IS VERY STRONG.

IT IS COMMON PRACTICE AMONG USERS OF SOUND REINFORCEMENT EQUIPMENT TO IDENTIFY THE INDIVIDUAL CHANNELS WITH A STRIP OF TAPE PLACED ABOVE OR BELOW THE ROW OF VOLUME FADER. MANY TYPES OR BRANDS OF TAPE HAVE A VERY STRONG ADHESIVE WHICH CAN INHIBIT THE PRINTS ON THE FACELATE AND PARTIALLY REMOVE THE PAINT WHEN THE TAPE IS REMOVED. WE STRONGLY RECOMMEND THAT SCOTCH TAPE NOT BE USED ON PAINTED SURFACES NOR ANY OTHER TAPE THAT IS NOT ESPECIALLY DESIGNED FOR SUCH APPLICATIONS. MEDIA OR FLUORESCENT ADHESIVE MASKING OR MARKER LABEL TAPE IS RECOMMENDED IF TAPE IS USED. ANY TAPE LEFT ON PAINTED SURFACE FOR EXTENDED PERIODS WILL BE DIFFICULT TO REMOVE. NEVER USE CLEAR OR SCOTCH TAPE FOR THESE APPLICATIONS.

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.
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.

SPECIFICATIONS

All specifications are typical unless otherwise noted, and are referenced to nominal output level (0 dBV) unless otherwise noted. All measurements are wideband 20 Hz to 20 kHz unless otherwise stated.

0 dBV = 1 volt
0 dBu = .778 Volt

CHANNEL

EQUIVALENT INPUT NOISE

-133 dBV (150 ohm, 25° C., 60 dB Gain)

FREQUENCY RESPONSE

±2 dB 20-20,000 Hz all EQ flat

DISTORTION

Less than .05% @ 0 dB Output
60 dB Gain
Typical .003% @ 0 dB Output 30 dB Gain
(Mic input to L or R outputs, EQ flat, Sliders at 0)

COMMON MODE REJECTION RATIO (CMRR)

Greater than 100 dB typical

INPUT IMPEDANCE

Mic = 2K ohms
Line = 10K ohms
Patch = 20K ohms

OUTPUT IMPEDANCE

Patch Send = 100 ohms

HIGH EQ

±15 dB @ 10 kHz Minimum
Center Detent flat ±2 dB

MID EQ

±15 dB @ Selected Frequency
Center Detent flat ±2 dB

MID FREQUENCY

200 Hz to 5 kHz adjustment of Mid Frequency

LOW EQ

±15 dB @ 50 Hz Minimum
Center Detent flat ±2 dB

MAXIMUM PREAMP GAIN

60 dB Minimum

MINIMUM PREAMP GAIN

2 dB

MAXIMUM CHANNEL GAIN

70 dB
(Pan at L or R, Slider @ Max, EQ flat)

MAXIMUM INPUT LEVEL

Mic = +16 dBV (6.3V RMS)
Line = +36 dBV (60V RMS)
Patch Return = +18 dBV (8V RMS)

MAXIMUM OUTPUT LEVEL

Patch Send = +18 dBV (8V RMS)

NOMINAL INPUT LEVEL

Mic = -20 dBV (100 mV, -18 dBu)
Line = 0 dBV (1V RMS)
Patch Return = 0 dBV (1.0V RMS)

HEADROOM

Nominal = 18 dBV
Red LED = 3 dBV

PAN CHARACTERISTICS

2 dB down @ Mid Position

LED LEVEL

Red = +15 dBV (5.62V RMS)

MASTER

LED METER CALIBRATION

0 = 0 dBV (1.0V RMS)

NOMINAL OUTPUT LEVEL

UNBALANCED

Master = +0 dBV (1.0V RMS)
L & R = +0 dBV (1.0V RMS)
AUX A-F = +0 dBV (1.0V RMS)

NOMINAL OUTPUT LEVEL

BALANCED (MD-III B only)

Master = +6 dBV (2.0V RMS)
L & R = +6 dBV (2.0V RMS)
AUX A & B = +6 dBV (2.0V RMS)

NOMINAL HEADROOM

Master = 19 dB (Balanced and Unbalanced)
L & R = 19 dB (Balanced and Unbalanced)
AUX A-F = 19 dB (Balanced and Unbalanced)

MAXIMUM OUTPUT LEVEL

UNBALANCED

Master = +19.5 dBV (9.5V RMS, +21.5 dBu)
L & R = +19.5 dBV (9.5V RMS, +21.5 dBu)
AUX A-F = +19.5 dBV (9.5V RMS, +21.5 dBu)

MAXIMUM OUTPUT LEVEL

BALANCED (MD-III B only)

L & R = +19.5 dBV (9.5V RMS, +21.5 dBu)
AUX A & B = +19.5 dBV (9.5V RMS, +21.5 dBu)

OUTPUT IMPEDANCE

Master = 100 ohms
L & R = 100 ohms (Unbalanced)
600 ohms (Balanced, B version only)
AUX A-F = 100 ohms (Unbalanced)
AUX A-B = 600 ohms (Balanced, B version only)

OUTPUT NOISE

MD-III-16

Residual: -97 dBV
(L & R sliders down)
Bus: -88 dBV
(All Channel sliders down, Effects Return Down, all Pan at middle)
Nominal: -82 dBV
(All Channels at 30 dB Gain, 150 ohm input, EQ Flat, Pan Middle, sliders at 0, All assigns at L & R, Effects Returns down)

MD-III-12

Residual: -97 dBV
(L & R Sliders Down)
Bus: -89 dBV
(All Channel sliders Down, Effects Returns Down, all Pan at middle)
Nominal: -84 dBV
(All Channels at 30 dB Gain, 150 ohm Input, EQ flat, Pan Middle, Sliders at 0, All assigns at L & R, Effects Returns down)

AUX A-C RETURN INPUT IMPEDANCE

33K ohms

AUX A-D RETURN GAIN

16.5 dB Max

AUXILIARY INPUT GAIN

0 dB
(Master, L, R, AUX A-F)

PFL AUXILIARY

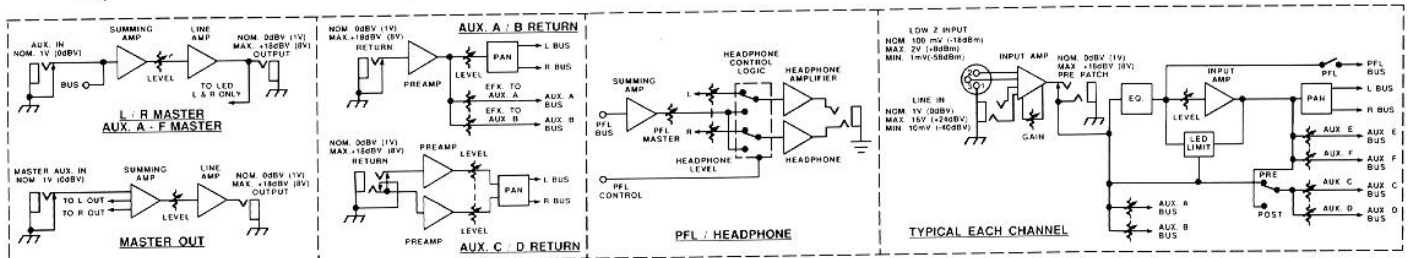
Tip = PFL Signal @ 1V RMS
Nominal
Ring = PFL Switch Signal
(Grounding Activates PFL)

HEADPHONE

Stereo 8 ohm to 200 ohm nominal
Tip = Left, Ring = Right, Sleeve = Ground
500 mW Total Power
Less than 1% Distortion

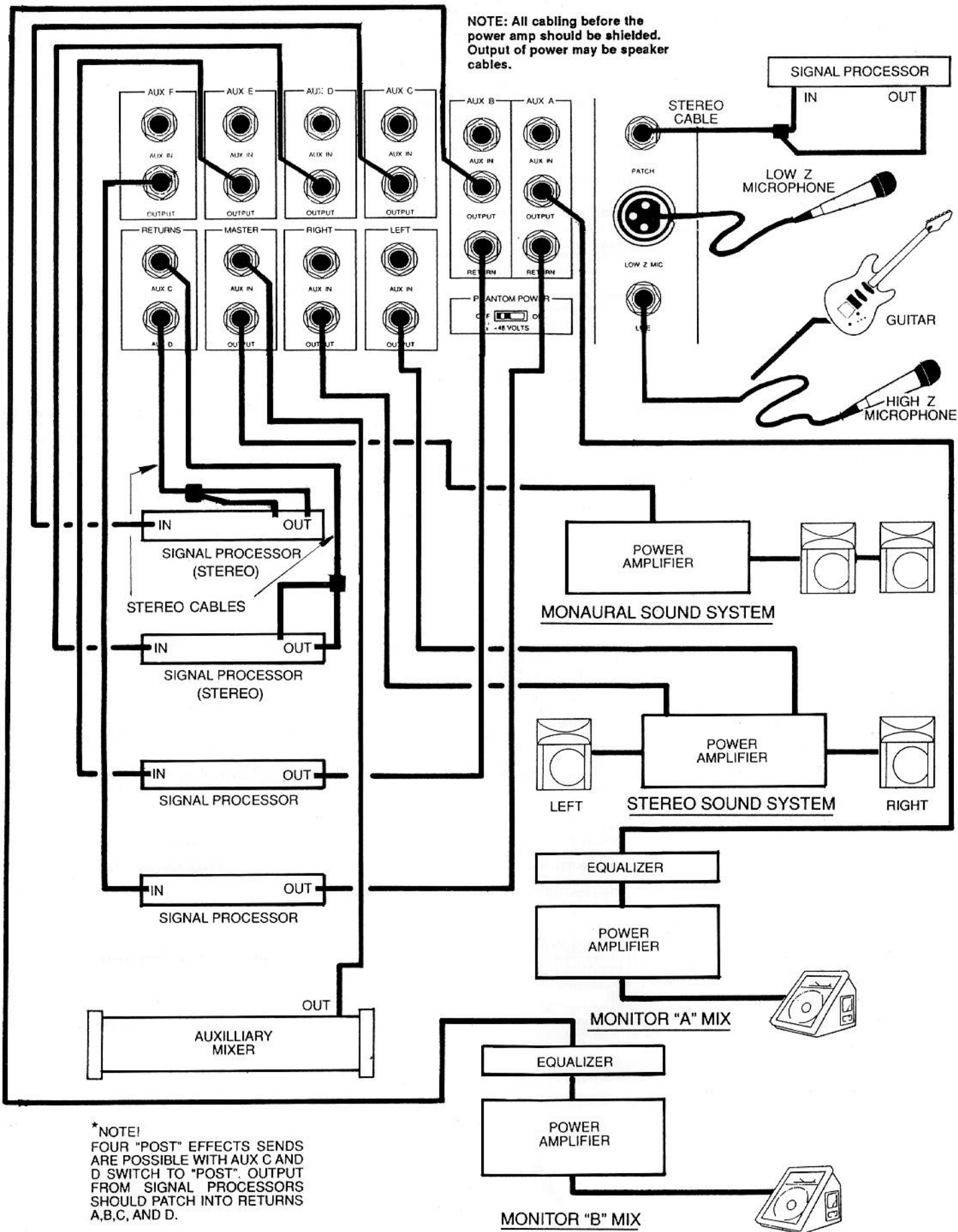
POWER CONSUMPTION

120V AC 60 Hz, 30 watts



This block diagram shows signal flow within the unit. In order to thoroughly understand the unit's functions, please study the block diagram carefully.

NOTE: All cabling before the power amp should be shielded. Output of power may be speaker cables.



*NOTE!
FOUR "POST" EFFECTS SENDS ARE POSSIBLE WITH AUX C AND D SWITCH TO "POST". OUTPUT FROM SIGNAL PROCESSORS SHOULD PATCH INTO RETURNS A,B,C, AND D.

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.

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:

- The first purchase of the product is for the purpose of resale; or
- The original retail purchase is not made from an AUTHORIZED PEAVEY DEALER; or
- 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
- 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:

- In the case of tubes or meters, replace the defective component without charge;
- 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:

- Bring the defective item to any AUTHORIZED PEAVEY 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

- Ship the defective item, prepaid, to:

PEAVEY ELECTRONICS CORPORATION
International Service Center
Highway 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, EXPRESS 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 EXPRESS, 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.

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THESE LIMITED WARRANTIES ARE THE ONLY EXPRESS 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 express 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
POST OFFICE BOX 2898
MERIDIAN, MISSISSIPPI 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 ADDRESS:
 - 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.
 4. Please have the Peavey product name and serial number available when communicating with Peavey Customer Service.



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

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