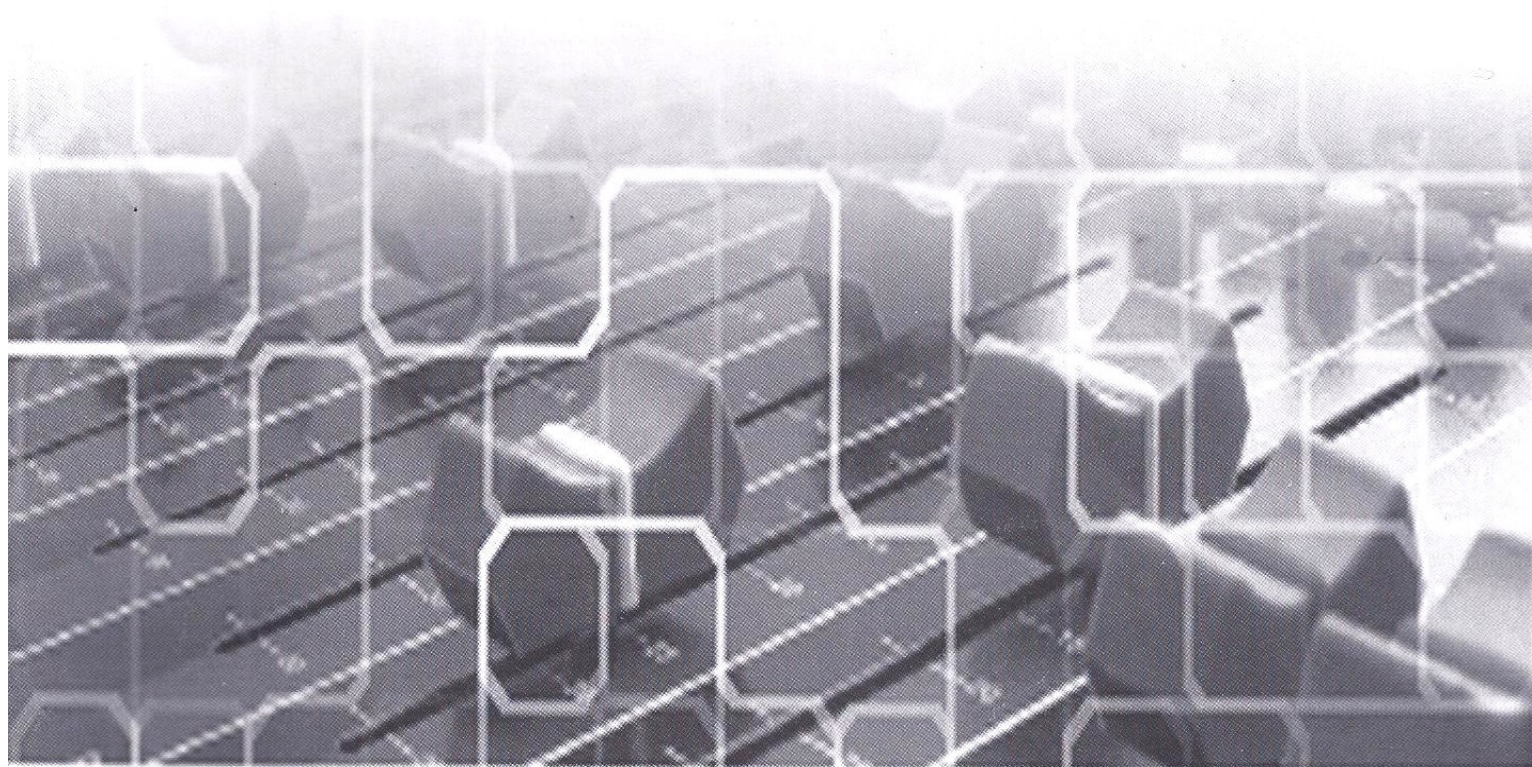


STEREO MIXER

OPERATING INSTRUCTION



SERIES:

PMX 600/PMX 800/PMX 1200/PMX 1600/PMX 2400

PMX 602/PMX 802/PMX 1202/PMX 1602/PMX 2402

PMX 602D/PMX 802D/PMX 1202D/PMX 1602D



FEATURES OF FRONT PANEL

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INPUT CHANNEL SECTION

1. BALANCE INPUT

Electronically Balanced inputs acceptable a standard XLR male connector.

+48V Phantom Power available on each input Mic socket. and this switch is on Rear Phantom Power.

2. LINE INPUT

The unbalanced Mic input is provided for the use of a unbalance mic and is designed to accept a unbalanced high impedance input signal. (This use for connection Deck, Turntable, Keyboard etc..)

3. PEAK (PEAK LEVEL INDICATOR)

A red LED indicates a signal level at the insert return point ,premaster fader. It illuminates at approximately 5dB below clipping.

4. GAIN CONTROL

Adjusts input sensitivity from -60dB to -20dB with the -20dB pad switch in the out position, and -40dB to 0dB when the -20dB pad switch is pushed.

5. PAD (-20dB)

When push this switch, attenuates the input signal -20dB.

6. HIGH

Control the high frequency tone of each channel. Always set this control to the 12 o'clock position, but you can control the high frequency tone according to the speaker, the conditions of listening position and listener's taste. Clock wise rotation of the control increases level.

7. MIDDLE

This has a function which controls the middle frequency tone of each channel. Always set this control to the 12 o'clock position, but you can control the middle frequency tone according to the speaker, the conditions of listening position and listener's taste, Clockwise rotation of the control increase the level, and vice verse.

8. LOW

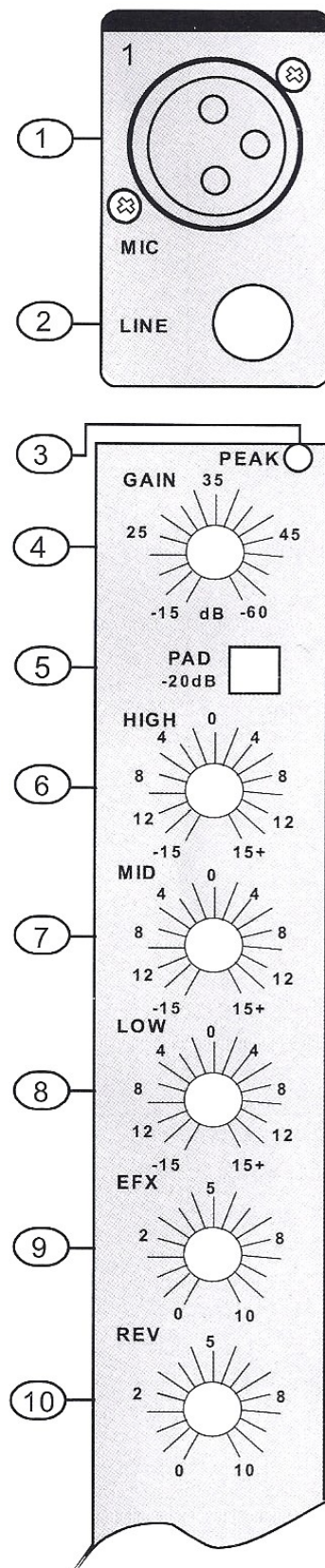
Control the low frequency tone of each channel. Always set this control to the 12 o'clock position, but you can control the middle frequency tone according to the speaker, the conditions of listening position and listener's state. Clockwise rotation of the control increase the level.

9. EFX

Use this control to set the level of signal from external stereo souce and the main signal control is recontrolled by STEREO or MONO section.

10. REV

Use this control when you want to get effect sound by adjustment of input signal. When you don't use external souce, digital delay will be working which installed inside.



11. PAN

The pan control sends continuously variable amounts of the post fader signal to either the left or right main busses. In the center position equal amounts of signal are sent to the left and right busses.

12. PEL

You can monitor the signal of the only channel which PFL switch is turned "ON" using by headphone in useful. When PFL switch turned on, other channels or cut off automatically.

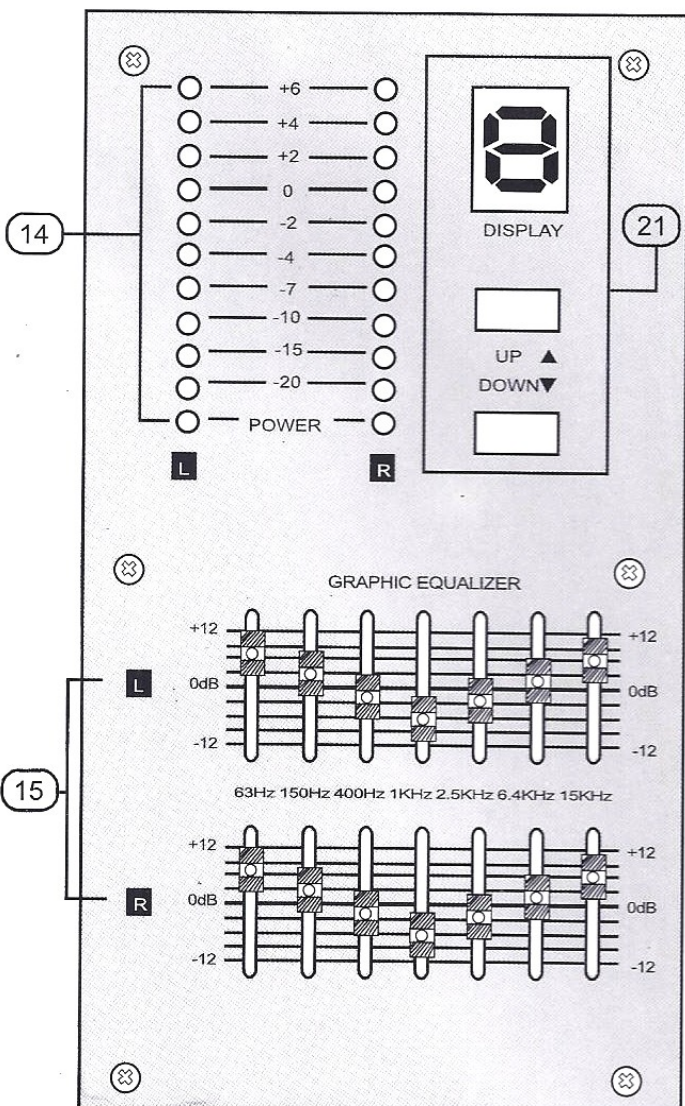
13. CHANNEL FADER

This is function to adjust the volume of signal connection into each channel and adjust the volume of output, together with master fader. Normal operating position is at the "0" mark, providing 4dB of gain above that point, if required.

STEREO SECTION

14. OUTPUTS LEVEL INDICATOR

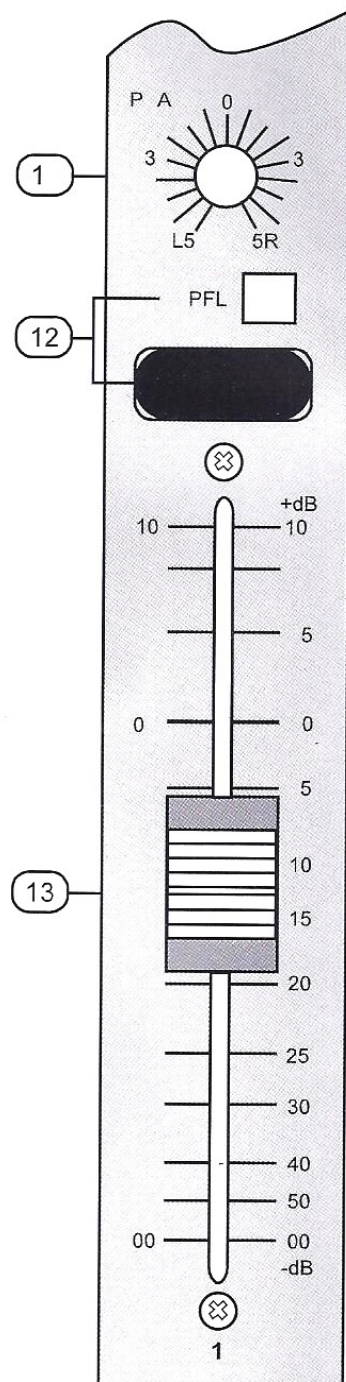
This is level meter which shows output level of left & right channel condition on the way of operation.



Therefore, you can see output condition thru this master level indicator. The LED shows power is turned "ON" or "OFF".

15. STEREO GRAPHIC EQUALIZER

2X7-band equalizer is provided for tone control over each frequency, and for precise high quality sound by final tone control.



16. OUTPUT STEREO FADERS(LEFT/RIGHT)

This is a master fader for adjustment for volume of right/left output.
Unity gain is the top of their travel.

EFFECTS,PFL,DELAY SECTION

17.REC OUT CONTROLS

The REC OUT control sets the level of the unequalized prefilter master mix signal that is sent for REC ording by the tape deck Via the REC oltt jacks on the top panel.

18.EFX SEND

When you see STEREO board, you can adjust the sound volume of all kinds of effector outside.

19.EFX RET

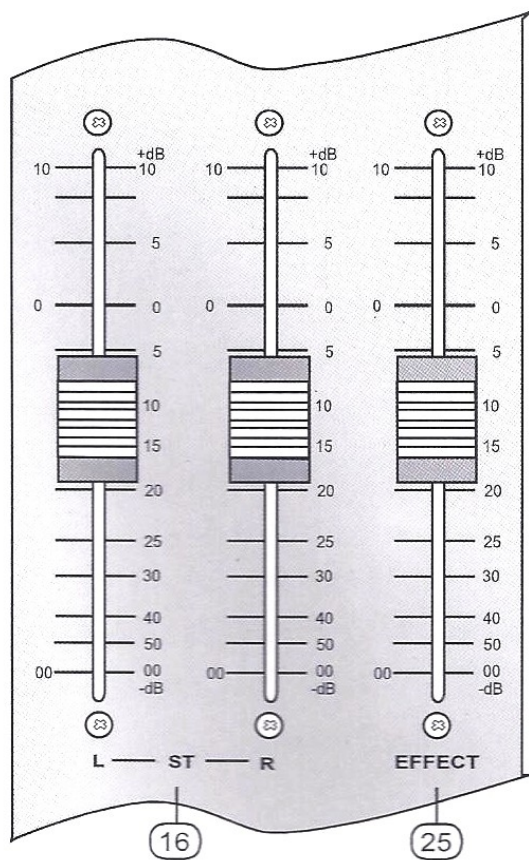
Controls the level of EFX Inputs signal.

20.EFFECT SEND

This is used for adjusting volume of echo sound,when sending echo sound to SEND jack in EFFECTS panel.

21.DISPLAY

Please press the Reystroke up and down,and it will be gotten the perfect neverberative effect that you need.These function which has (16) effective posture can be turned up.



22. REPEAT

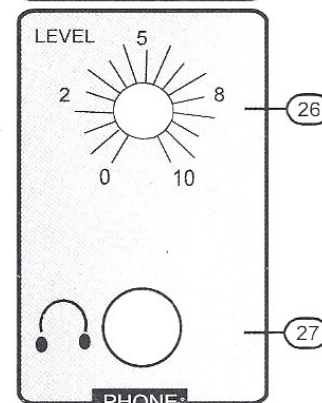
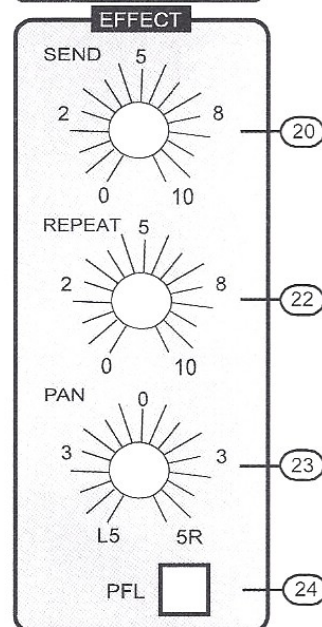
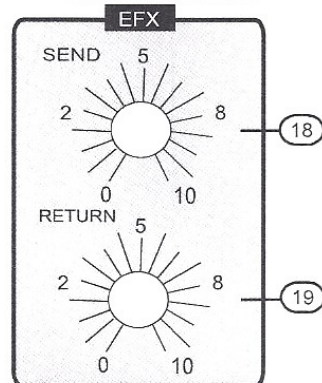
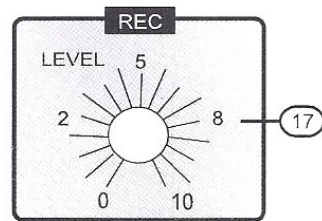
This is used for adjusting frequency of echo repeat, since too echo repeat may cause a nowl, please adjust frequency properly.

23.PAN

This has a function which distributes the signal level between left and right channels to make a stereo sound effect.

24.PFL

When you want to monitor echo sound & extrenal effector sound, you can adjust this control thru the headphone.



25.EFFECTS FADER

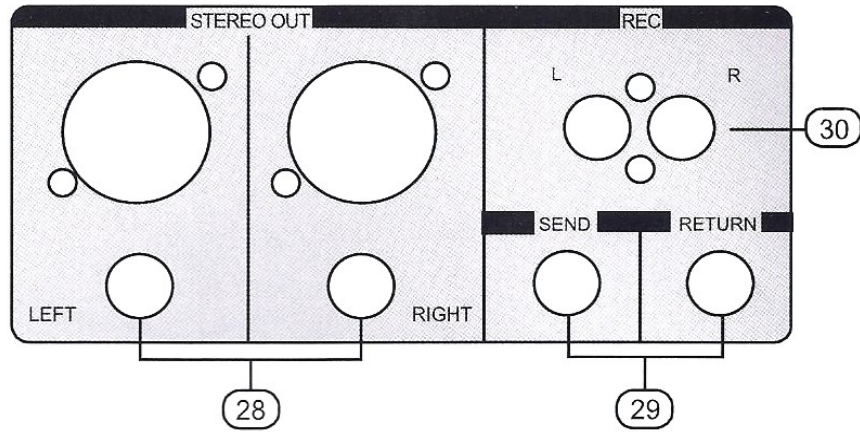
Using by this control, you can adjust signal level of echo repeat & external effector.

26.HEADPHONE FUNCTION SELECT SWITCH

The master volume control for the monitor, PFL output signal to the headphone jack.

27. HEADPHONE JACK

You can monitor working condition by sound thru the headphone.



FEATURES ON FRONT PANEL

28.OUTPUT JACK (LEFT/RIGHT)

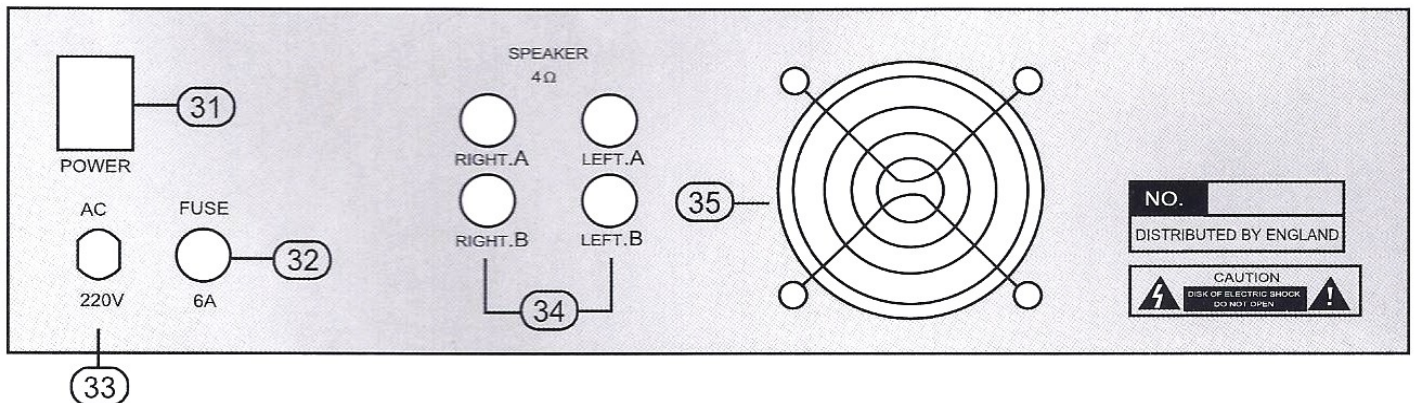
In this product, the final confirmed sound can be sent to main amplifier through XLR & 1/4 jack.

29.EFX SEND, RETURN

This can be used to connect all kinds of effects form outside.

30.RECRD PIN JACK

This jack is can be connected with cassette dech when recording the mixed output.



POWER SECTION

31.POWER SWITCH

Push marked(1), when you want to operate. The LED (SEE NO,14) will be turned on when working.

32.FUST HOLDERS

When occur a problem on this appliance. The fuse will be cut off power to prevent form aproblem.

33. AC POWER CORD

AC110~220V50~60Hz *Check the power source of AC 220V before connections.

34.SPEAKER JACK LEFT,RIGHT

This is same functions as below but the using jack is different.

35.FAN

In order to prevent rising the inside temperature, the inside heat is emitted outside.

Repairing a sound mixing console requires specialist, but basic fault finding is within the scope of any user if a few basic rules followed.

- Get to know the Block Diagram of your console.
- Get to know what each component in the system is supposed to do.
- Learn where to look for common trouble spots.

The Block Diagram is a representative sketch of all the components of the console; showing how they connect together and how the signal flows through the system. Once you have become familiar with the various components you have gained a valuable understanding of the internal structure of the console and tracking down the problem by elimination.

- Swap input connections to check that the source is really present.
Check both Mic and Line inputs.
- Eliminate sections of the channel by using the insert point to re-route the signal to other inputs that are known to be working.
- Route channels to different outputs or to auxiliary sends to identify problems on the master section.
- Compare a suspect channel with an adjacent channel which has been set up identically. Use PFL to monitor the signal in each section.

CAUTIONS ON INSTALLATION

Please take care of the following points for installations.

1. Install this product at place of good ventilation. And keep a interval over 30cm from the objects.
2. Install this product at rear side for non-touching of somebody, if possible and avoid an installation of a aisle & the front side of the stage.
3. Cause an obstacle and a drop of product from the vibration of speaker, if you put this product one speaker for a long time.
4. Avoid strong or using product in condition of excessive heat or cold, or in position where it is likely to be subject to vibration, dust or moisture.
5. Connect the plug into an outlet by the check of power source "AC220V" of the installation place.
6. Install the speaker more front side than the used mic and far away from mic, if possible.
7. Insert a plug of cord closely into the speaker jack at the speaker connection.
8. Clean this product by using soft dry cloth & poly-wax.

HOW TO OPERATE

1. Above all, it is necessary to confirm power voltage.
2. Make sure this appliance power switch is off when connecting the plug of power cord with outlet
3. Set every controls to the positions stated belows to avoid loud blasts. Loud blasts may cause damage for your speaker system or your ears when you are wearing headphone.

Master faders L-R, Sub faders 1-2, Effect fader & Each channel faders.

Gain control ----- Turn to the left completely

Hi, Freq, Mid, Low ----- Turn to the center position

Aux 1-2 & Effect control ----- Turn to the left completely

Pan control ----- Turn to the center position

Set other turn to the left completely

4. Push power switch marked (1), then the LED will be turned on when start working.
 5. Set Master faders L-R to the position between min & mid, after working.
 6. Set a certain Channel faders which you want to use to the position between min & mid, after that, connect input section with external source.
 7. To make sound through external sources, turn the Gain control to the right.
 8. Adjust tone controls in accordance with your taste.
 9. Adjust between Effect fader control towards max from min & Effect control to the right, when you want to get echo effect a certain channel. After set a certain channel, adjust Delay control & Repeat control.
- Then you can get various echo effect sound.

FIGURE 5

UNBALANCED 1/4" PLUG

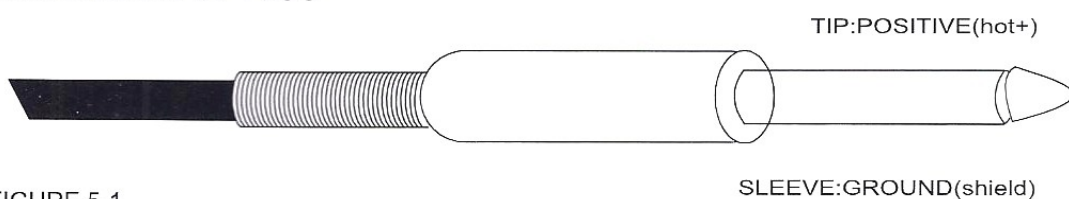
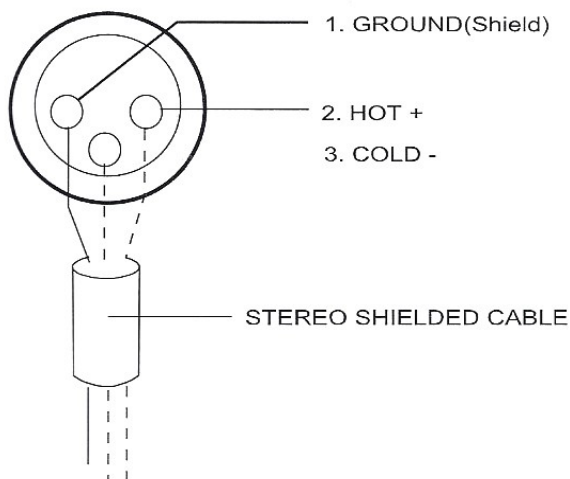


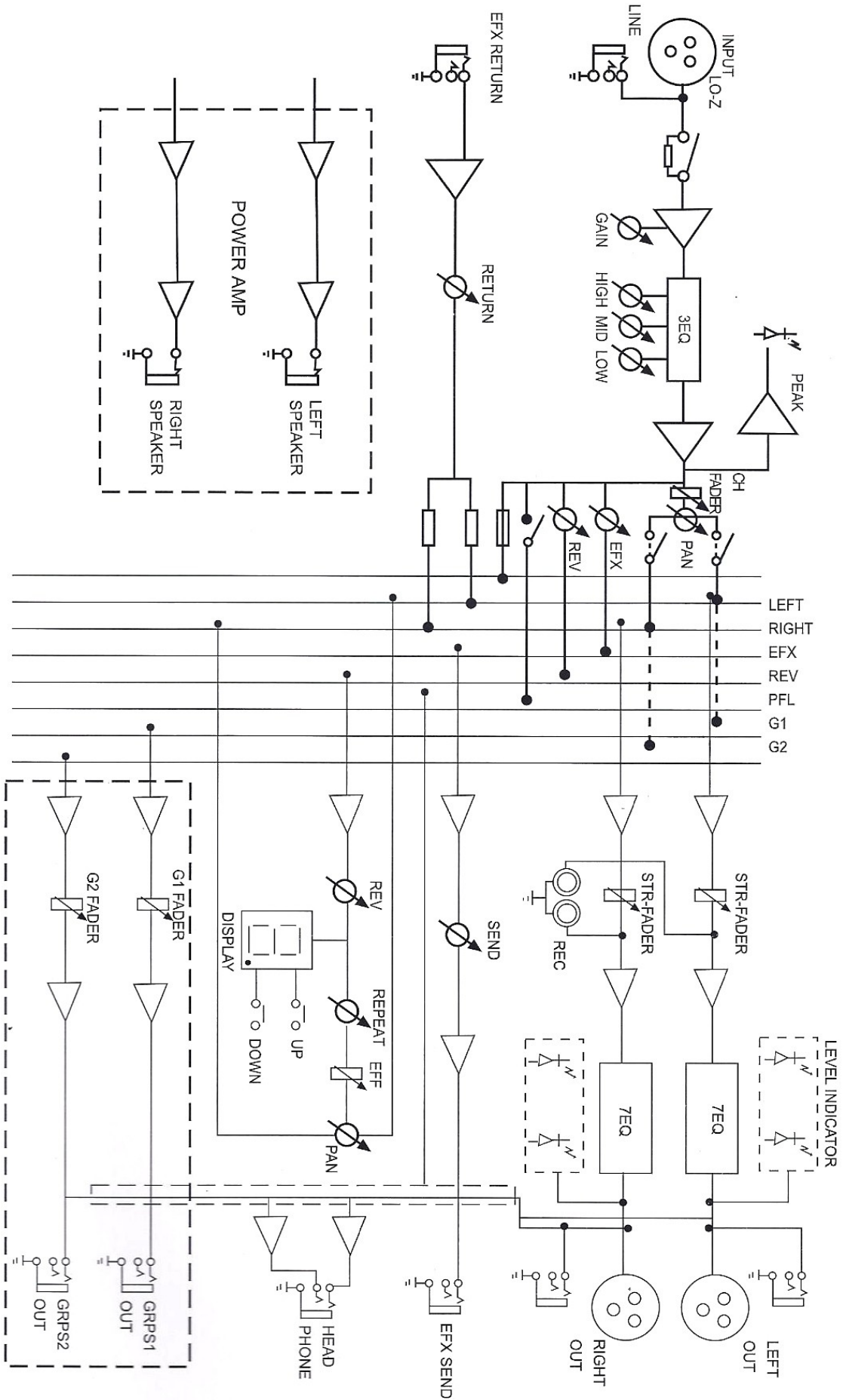
FIGURE 5-1

FEMALE 3 PIN CONNECTOR

FIGURE 5-2



BLOCK DIAGRAM



MIXER SECTION

1.INPUT CHANNEL SENSITIVITY	MIC----- -60dB STEREO CH. INPUT ----- -40dB EFX SEND ----- -20dB EFF,RETURN ----- -20dB
2.OUTPUTS	4V MAX
3.SIGNAL TO NOISE RATIO	-80dB
4.PARAMETRIC EQ.	HI ----- ± 15dB/10KHz MID ----- ± 15dB/250Hz~6KHz LOW ----- ± 15dB/60Hz

POWER SECTION	PMX 602D	PMX 802D	PMX 1202D	PMX 1602D
1.POWER OUTPUTS	200W X 2(4Ω) 125 X 2(8Ω)	250W X 2(4Ω) 150W X 2(8Ω)	300W X 2(4Ω) 180W X 2(8Ω)	350W X 2(4Ω) 210W X 2(8Ω)
2.T.H.D	0.1% below (1KHZ Full Power)	0.1% below (1KHZ Full Power)	0.1% below (1KHZ Full Power)	0.1% below (1KHZ Full Power)
3.POWER REQUIREMENTS	AC 220V/50Hz or 120V/60Hz	AC 220V/50Hz or 120V/60Hz	AC 220V/50Hz or 120V/60Hz	AC 220V/50Hz or 120V/60Hz
POWER CONSUMPTION	500W	650W	800W	950W

All prices and specifications subject to change without notice.