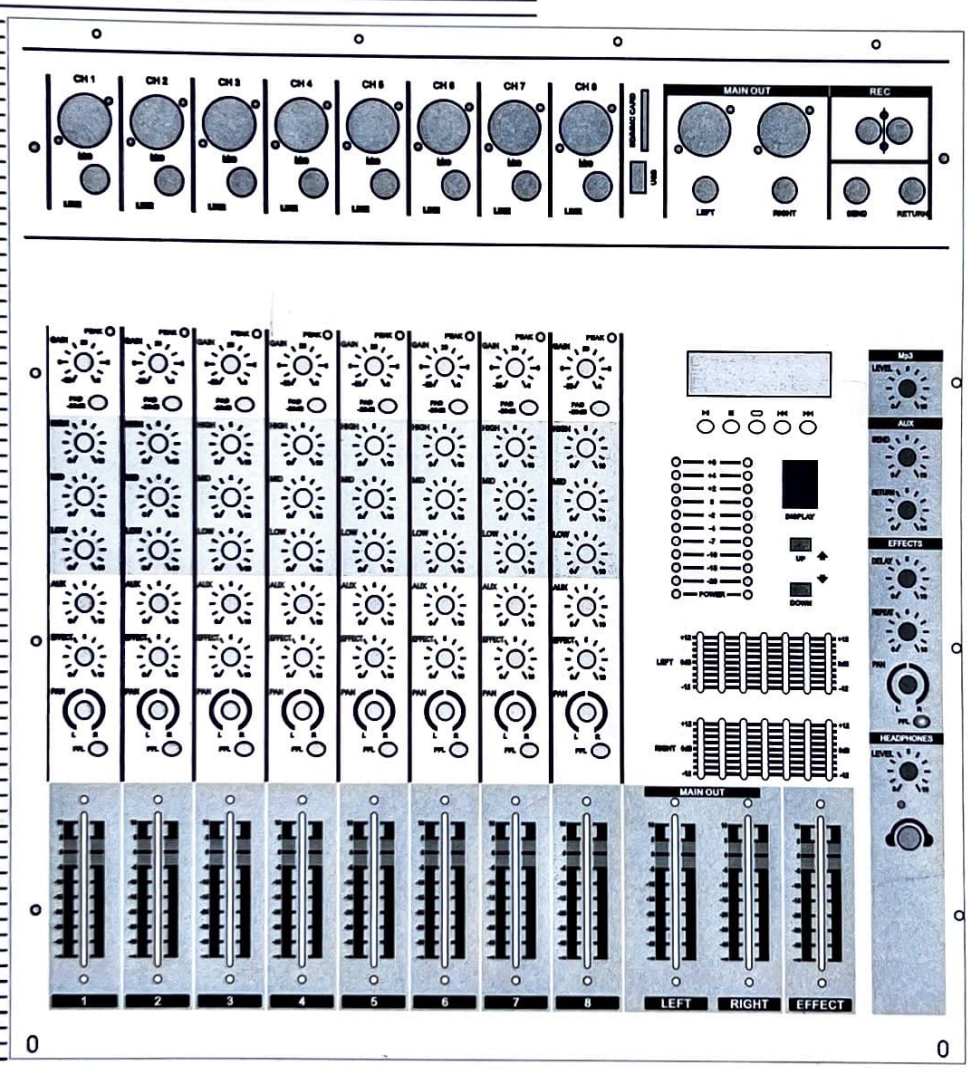
OPERATING INSTRUCTION

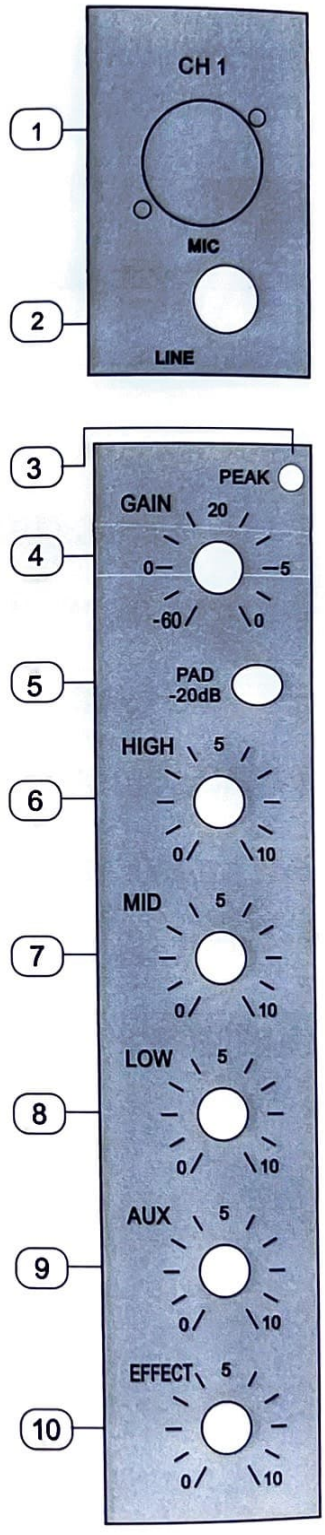


6/8/12/16Channel Mixer/Powered Mixer

CONTENTS

FEATURES OF FRONT PANEL

INPUT CHANNEL SECTION



1. BAL ANCE INPUT

Electronially Balanced inputs acceptable a standard XLR male Connector.

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. Clockwise rotation of the control increases level.

7. MID

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

8. LOW

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

9. AUX

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

10. EFFECT

Use this control when you want to get effect sound by adjustment of input signal. When you don't use external source, 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. PFL

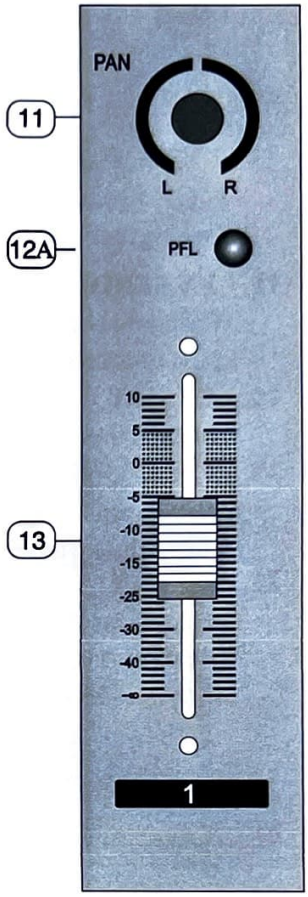
You can monitor the signal of the only channel which PFL switch is turned"ON"by headphone . When PFL switch turned on, other channels will cut off automatically.

12B.MUTE

All output from the channel are enabled when the MUTE switch released and muted when the switch is down.

13. CHANNEL FADER

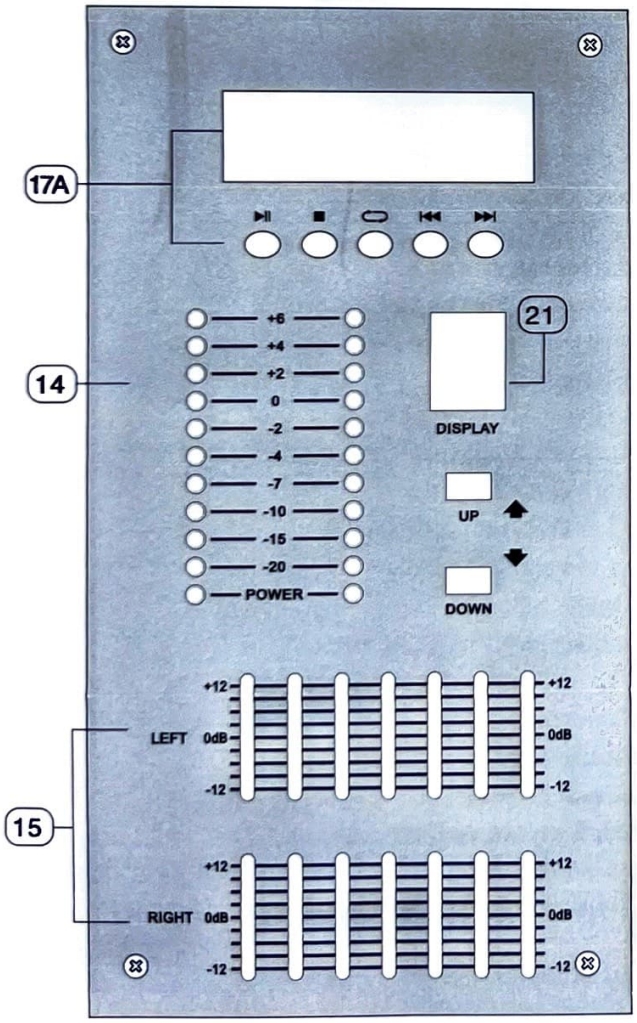
This is the function to adjust the volume of signal connectinginto each channel and adjust the volume of output, together with master fader. Normal operating position is at the"0"mark, providing 4dB of gain adove that point, if required.



STEREO SECTION

14. OUTPUTS LEVEL INDICATOR

This is level meter which shows output levels of left & right channel condition on the way of operation. Therefore, you can see output condition thru this master level indicators. 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 rihgt/left output. Unity gain is the top of their travel.

EFFECTS, PFL, SECTION

17. RECORD OUTPUT CONTROL

You can achieve the recording output by adjusting this control for the best recording singal.

18. EFX SEND

When you use STEREO board, you can adhust the sound olume of all kinds of effects outside.

19. EFX RET

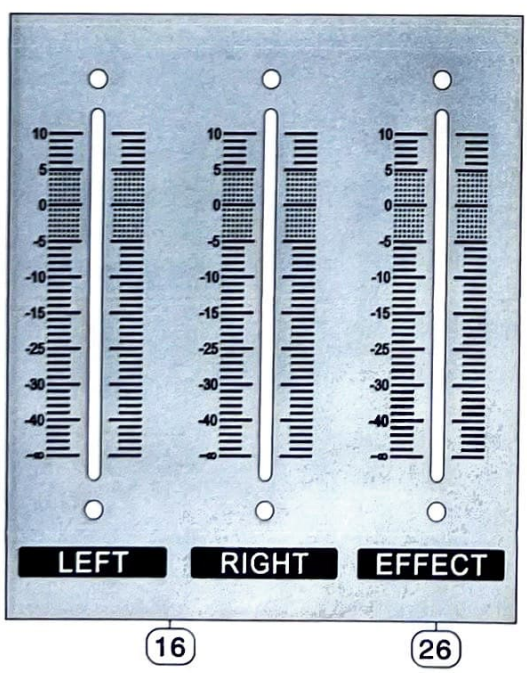
Controls the level of EFX Inputs signal.

20. EFFECT DELAY

This is used for adjusting the level of echo delay. You can achieve the delay echo by the rotation button.

21. DISPLAY

Please press the Keystroke up and down, you will get the perfect neverberative effect you need. These functions can be turned up 16 kinds of effective posture.



22. REPEAT

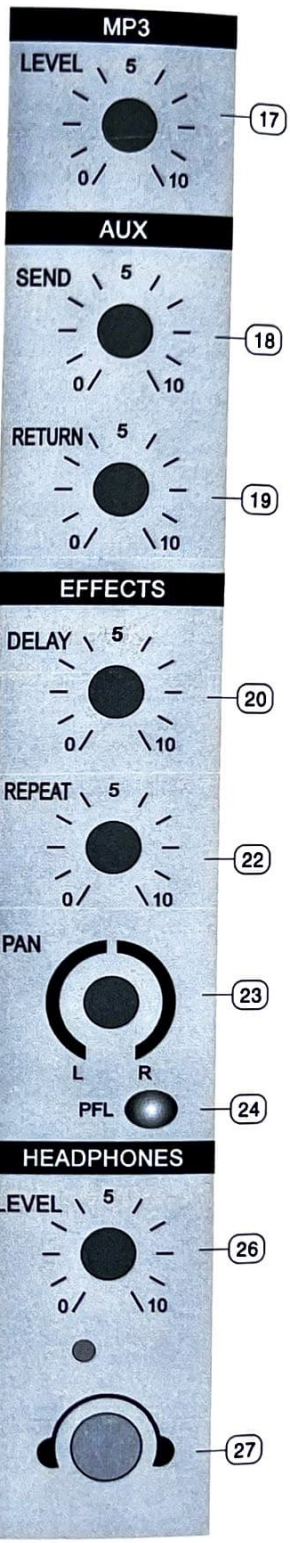
This is used for adjusting frequency of echo repeat, since too echo repeat may cause a nowl, please adjust frequency properly.

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 eaho sound & extreral effector sound, you can adjust this cantrol thru the headphone.



25. EFFECT FADER

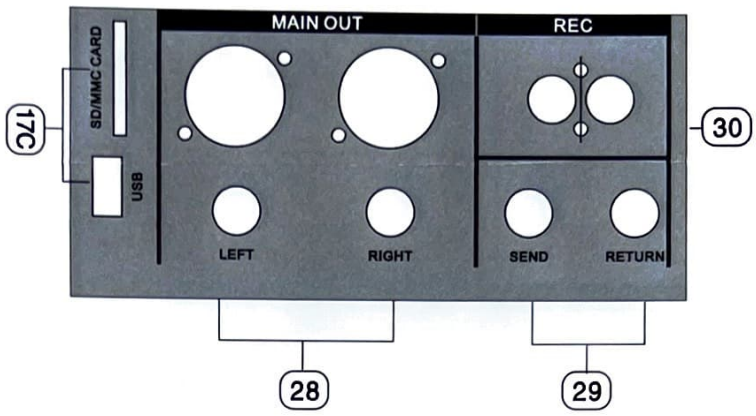
Using by this control, you can adjust signal level of echodelay and repeat & exteral effector.

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)

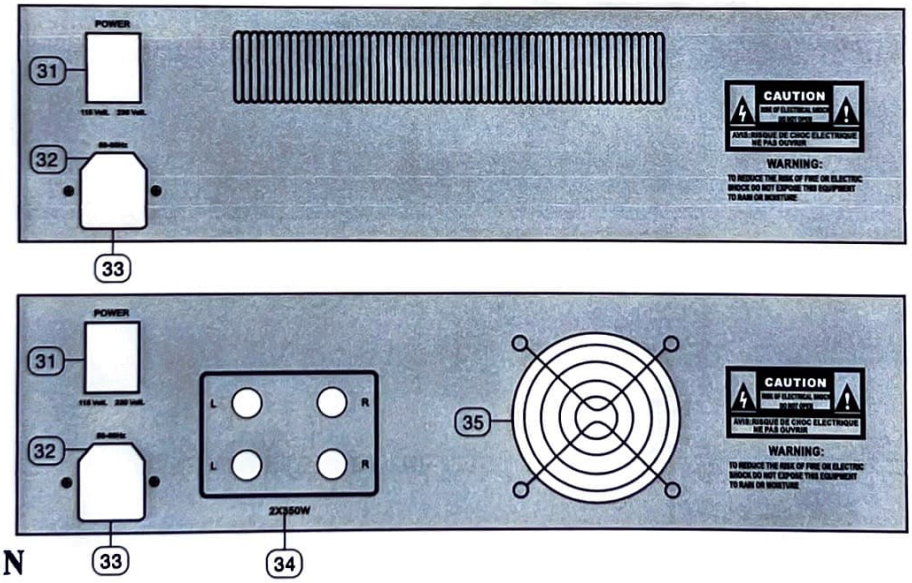
In this product, the final confirmed sound can be sent to main amplifier through XLR & 1/4 jack.

29. EFX SEND, RETURN

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

30. RECRD PIN JACK

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



POWER SECTION

31. POWER SWITCH

Push button(31), when you want to operate. The LED (SEE NO, 14) will be turned on when working.

32. FUSE HOLDERS

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

33. AC POWER CORD

AC220~240V 50~60Hz *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.

FIGURE 5

UNBALANCED 1/4"PLUG

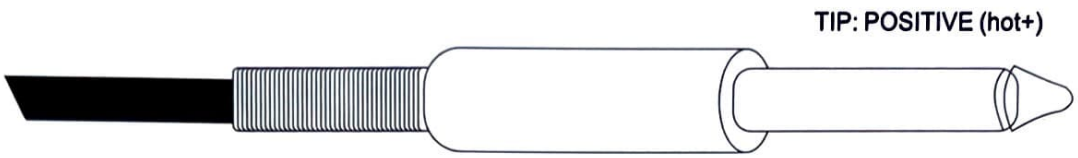


FIGURE 5-1

FAMALE 3 PIN CONNECTOR

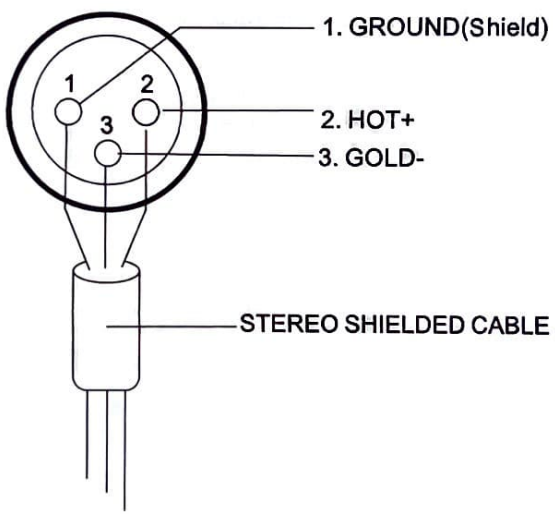
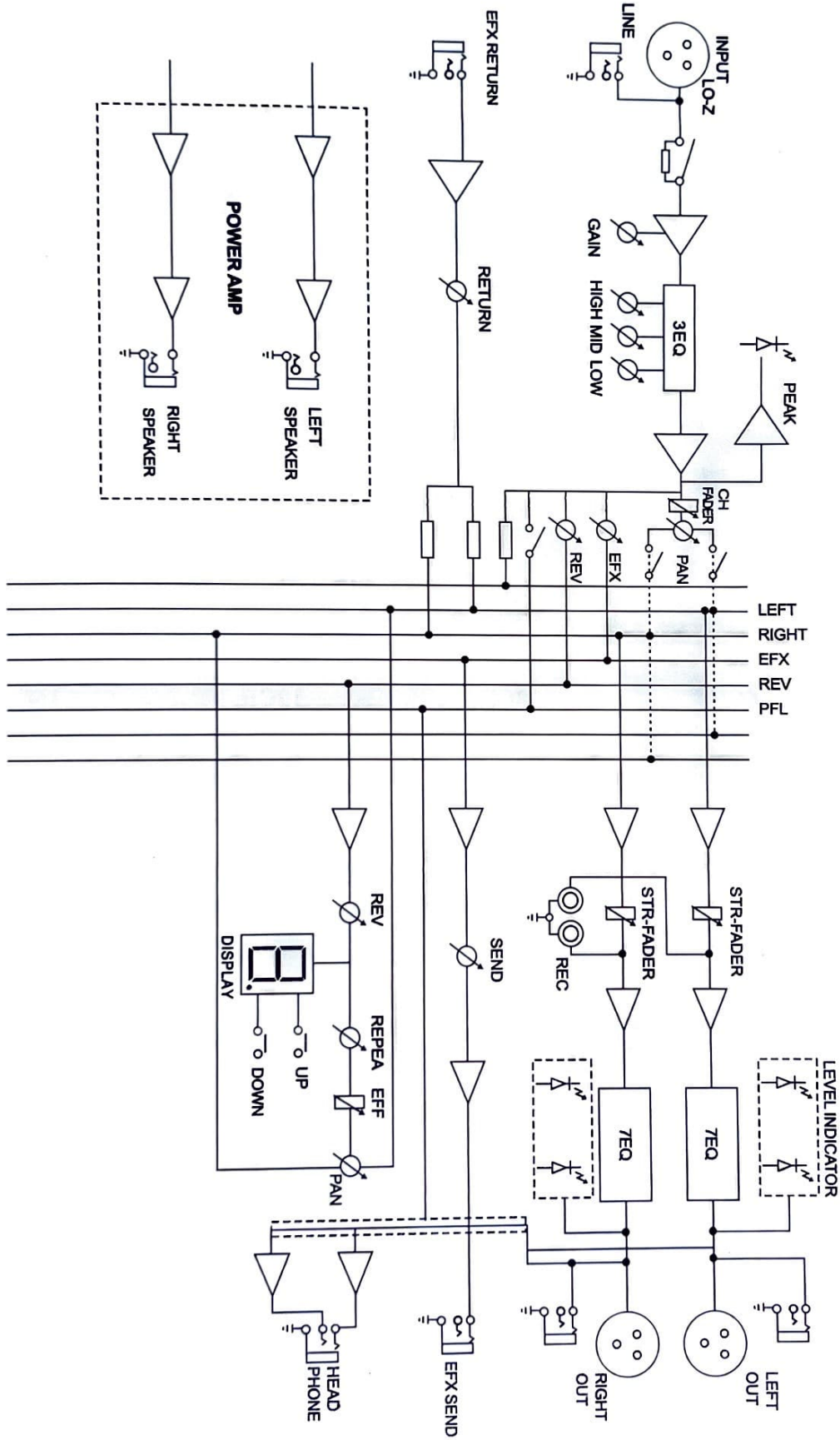


FIGURE 5-2


BLOCK DIAGRAM
INPUT
LO-Z
LINE
GAIN
HIGH MID LOW
3EQ
PEAK
CH FADER
PAN
REV
EFX
EFX RETURN
RETURN
POWER AMP
LEFT SPEAKER
RIGHT SPEAKER
LEFT
RIGHT
EFX
REV
PFL
REC
STR-FADER
STR-FADER
LEVEL INDICATOR
7EQ
7EQ
SEND
REV
REPEA
EFF
PAN
DISPLAY
UP
DOWN
HEAD PHONE
EFX SEND
RIGHT OUT
LEFT OUT

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	6CH	8CH	12CH	16CH
1. POWER OUTPUTS	350W x 2(4Ω)	350W x 2(4Ω)	350W x 2(4Ω)	350W x 2(4Ω)
	250W x 2(8Ω)	250W x 2(8Ω)	250W x 2(8Ω)	250W x 2(8Ω)
2.T.H.D.	0.1% below (1KHX 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	800W	900W	1000W

*All prices and specifications subject to change without notice.

Mema