

PROFESSIONAL MIXER CONSOLE

4/6/8/12 - CH Premium Mic/Line Powerd Mixe

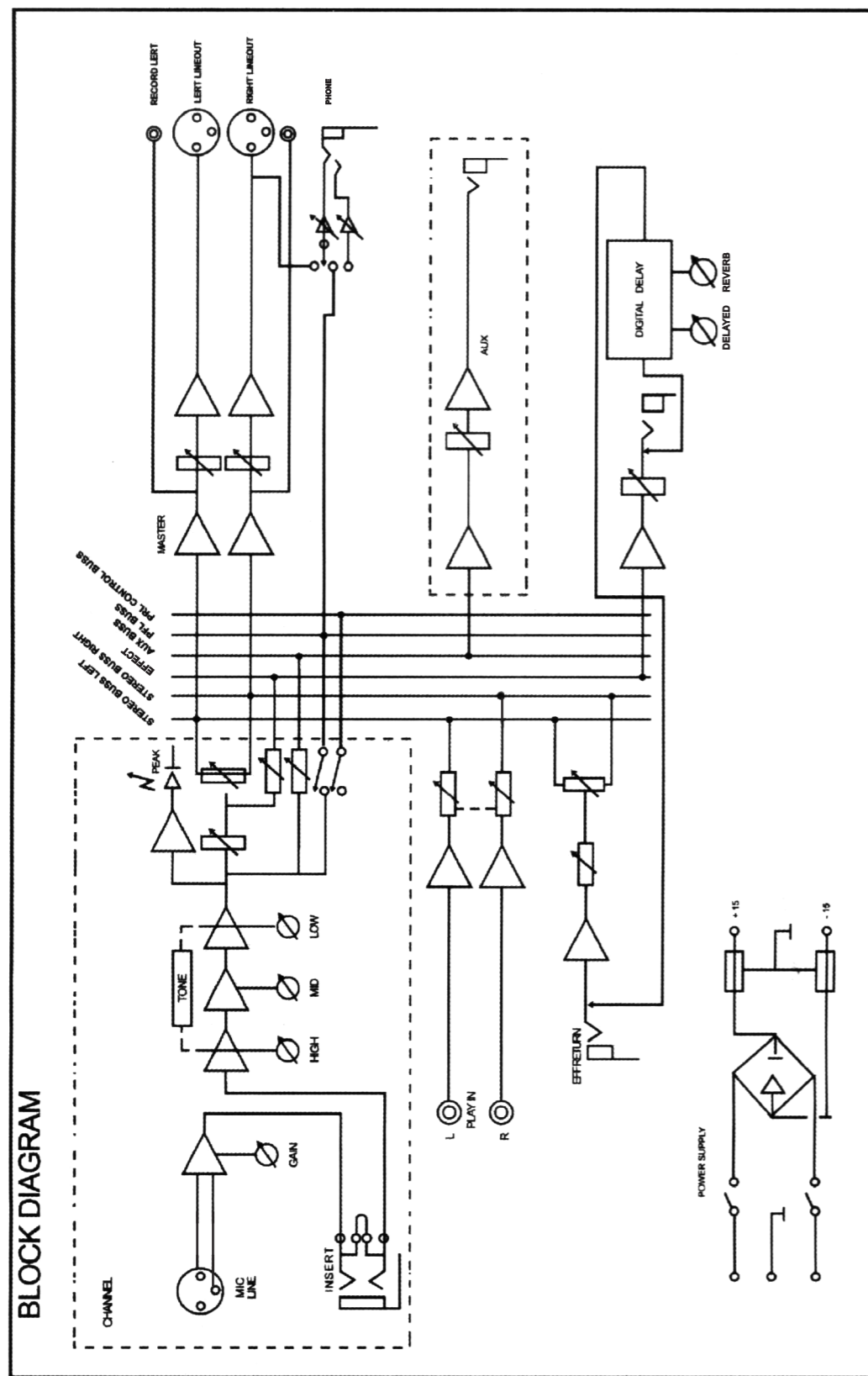


PERFECT AUDIO STAGE MIXING CONSOLE.

MAXIMUM MOBILITY IN OPEN-AIR CONCERTS.

FIRST CHOICE FOR ALL MUSICIANS AT HOME

AND IN CONCERT HALLS.



BLOCK DIAGRAM

WARNING
 RISK OF ELECTRIC SHOCK!
 DO NOT OPEN!
ATTENTION
 RISQUE DE CHOC ELECTRIQUE!
 NE PAS OUVRIR!


CAUTION
 THE UNIT HAS COOLING. DO NOT
 BLOCK FAN VENTS, DO NOT CONNECT
 TO OUTPUT A WHEN USING OUTPUT B
 IN BRIDGE MODE! SEE OWNER'S
 MANUAL FOR SPEAKER CONNECTION.


WARNING
 TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER.
 NO USER-SERVICEABLE PARTS INSIDE:
 REFER SERVICING TO QUALIFIED PERSONNEL.

WARNING
 TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK
 DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

The above warning is located on the rear of the unit.

Explanation of Graphical Symbols

 The lightning flash with arrowhead symbol within an equilateral triangle is 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.

 The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

IMPORTANT SAFETY INSTRUCTIONS

- 1 Read these instructions.
- 2 Keep these instructions.
- 3 heed all warnings.
- 4 Follow all instructions.
- 5 Do not use this apparatus near water.
- 6 Clean only with dry cloth.
- 7 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus(including amplifiers) that produce heat.
- 9 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10 Protect the power cord from being walker on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11 Only use attachments/accessories specified by the manufacturer.
- 12 Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13 Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



WARNING
 TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

FRONT PANEL CONTROLS

1 .MIC

These are to be connected with microphone XIR jacks used for the balanced signal.

2 .LINE

These are to be connected with these line sources such as deck tuner turntable key board etc.

3. GAIN

This has a function which adjusts the input sensitivity of each channel in order to input the constant level of the signal.

4. HIGH

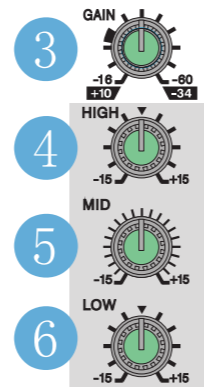
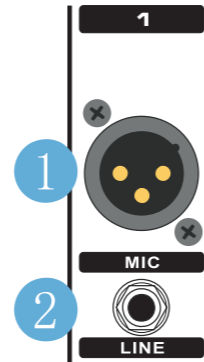
This has a function which controls the high frequency tone of each channel Always set this control to the 12 o' clock position but you can control the high frequency tone according to the speaker, the conditions of listening position and listener' s taser Clockwise rotation of the control increases level, and vive versa

5. MID

This has a function which controls the middle frequency tone of each channel. Always set this control control to the clock position, but you can control the middel frequency of listening position and listener' s taste. Clock wise rotation of the control increases the level, and vive verse.

6. LOW

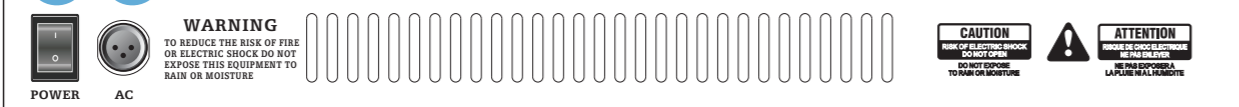
This has a function which controls the low frequency tone of each channel. Always set this control the 12' o clock position, but you can control the low frequency tone according to the speaker, the conditions of listening position and listener' s taste. Cioclockwise rotation of the control increases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



SPECIFICATIONS

MODEL	4、 6、 8、 12 channel
CONDITON	
Input Sensitivity	-60dBm~-40dBm
Nominsl Input Level	Mic-60dBm Line-20dBm Eff Ret-20dB Aux In-20dB Tape In-10dB
Nominsl Output Level	Eff Send-10dBm Aux Send 0dBm
Common Mode Rejection	-70dB
Output Voltage (mixer part)	4V Max
S/N Ratio	≥ 80dB
THD(1KHz Full Power)	Less than 0.03% (at 1KHz)
Frequency Respomse	20Hz-20KHz ± 3dB
Phone	7V/220 Ω
Parametric CQ	Hi ± 15dB/12KHz Mid ± 15dB/2.5K Low ± 15dB/80KHz
Power Conaumption	30W
Power Supply	110V~240V

35 34



34. POWER SUPPLY INPUT SOCKET

Connect the power supply unit to this socket. Make sure the power supply unit is not plugged into mains before connecting to the mixer.

35. POWER ON/OFF SWITCH

This switch turn on and off the power of the unit.

7. AUX

This rotary fader sends out the channel signal to AUX bus. The signal is pre-fader so that the aux send to be independent of the fader; this is suitable for foldback or monitor.

8. EFFECT

When you want to get echo effect of each channel, you can adjust the level of installed echo by this. (Unless you will use echo on any channel, turn to "O" Position of MON control at that channel.)

9. PAN

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

10. PEAK

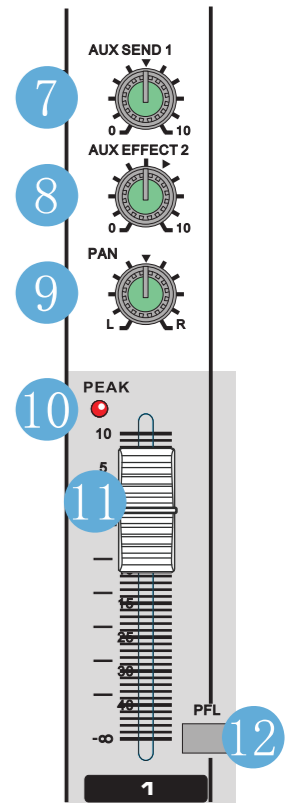
This is the lamp which indicates the input signal level of this appliance (regardless of ouiput) when GAIN volume is adjusted.

11 .CHANNEL VOLUME

These are used for adjusting the volume of signal sources, which are connected to the relevant channels.

12. PFL

You can monitor the signal of the only channel on which PFL switch is turned "ON" through the headphone. (In this time, the other channels are automatically cut off.)



MASTER SECTION

13. BALANCE OUTPUT

These are jacks to send the finally mixed outputs to the other appliance (amplifier).

14. UNBALANCE OUTPUT

These are jacks to send the finally mixed outputs to the other appliance (amplifier).

15. AUX OUT

This jack is to be connected with input jack of AUX amplifier when using separate AUX amplifier.

16. HEAD PHONES JACK

This is used for monitoring the master signal and individually monitoring each channel with PFL S/W.

17. LEVEL METER

This is a lamp which indicates output levels of left and right channel and operating conditions of the appliance, thus you can see actual output conditions with your eyes. Make sure the output levels should not exceed the LED indicator.

18. HEADPHONE LEVEL

These are used for adjusting volume of headphone output.

19. AUX LEVEL

These are used for adjusting volume of AUX output.

20. PFL SELECT BUTTON

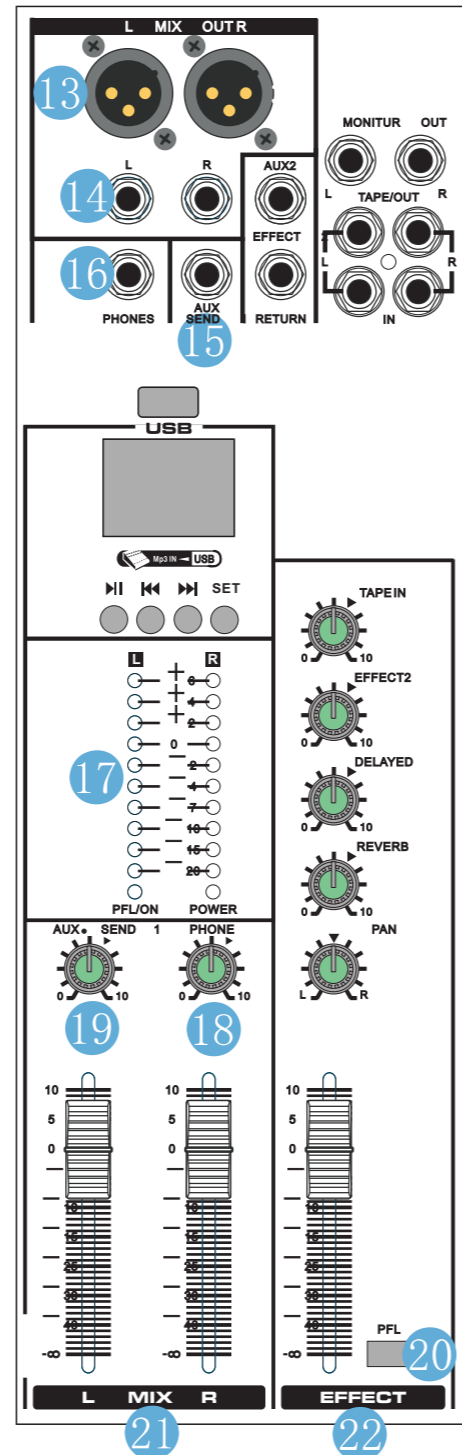
Push down to select the phone level to send out L/R signals level of PFL signals.

21. MASTER VOLUME (L/R)

This is used for adjusting volume of finally mixed outputs (L & R) and sending the relevant signals to input channel of main amplifier.

22. EFFECT/RETURN

This is used for adjusting volume of echo sound when connecting sound to RETURN jack.



23. MP3

- ▶▶: PLAY
- ◀◀: UP ONE LEVEL
- ▶▶: NEXT LEVEL
- SET: SYSTEM SETUP

24. EFF AUX2

These are to be connected with external digital reverb & effect equipment.

25. CTRL RM

This jack is to be connected with the input jack of monitor amplifier when using separate monitor amplifier.

26. EFFECT/RETURN

These are to be connected with external digital reverb & effect equipment.

27. RECORD PIN

This jack is to be connected with cassette deck when recording the mixed output.

28. PLAY PIN JACK

This jack is to be connected with cassette deck when playing back.

29. TAPEIN

You can adjust the volume of AUX IN signal by this when connecting AUX IN.

30. EFFECT2

This is used for adjusting volume of echo sound when sending echo sound to SEND jack.

31. DELAYED

This is used for adjusting frequency of echo repeat. since too much echo repeat may cause a howl. Please adjust frequency properly.

32. REVERB

This is used for adjusting the time interval of echo repeat. The middle position (5) may be most effective.

33. PAN

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

