Mic/Line Mixer
OWNERS MANUAL

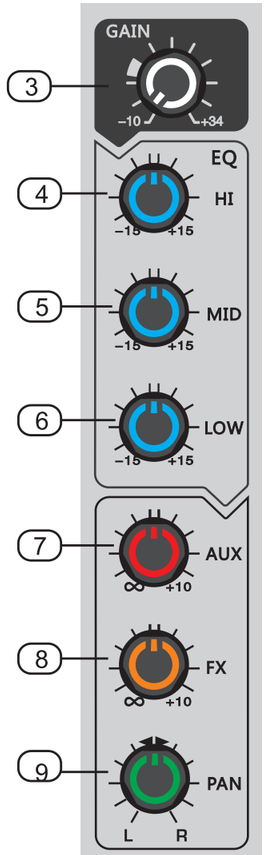
DISTRIBUTED BY

- 6 8 12 16 Channel
- Pristine Audio Quality Tradition
- Work Seamlessly With Your Mac Or Pc
- Surprisingly Familiar. Incredibly Powerful.

FEATURES OF FRONT PANEL

A. 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 unbalanced mic and is designed to accept a unbalanced high impedance input signal. (This use for connection Deck,Turntable,Keyboard ect.)
3. 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.
4. HIGH
   Control the high frequency tone of each channel,Always set this control to the 12 0'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.
5. MID
   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 allording to the speaker, the conditions of listening position and listener's taste. Clockwise rotation of the control incrases the level, and vice verse.
6. 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 listenner's state.Clock wise rotation of the control increase the level.
7. AUX
   Use this contol to set the level of signal from external stereo souce and the main signal control is recontrolled by STEREO or MONO section.
8. FX
   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.
9. PAN
   The pan control sends continuosly variable amounts of the post fader signal to either the left or right main busses. In the certer position equal amounts of signal are sent to the left and right busses.



10.PFL

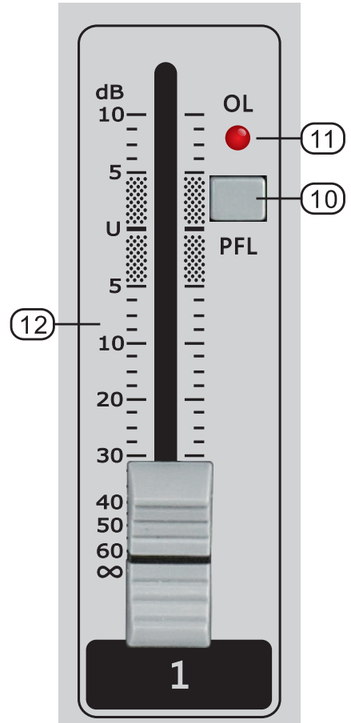
You can monitor the signal of the only channel which PFL switch is turned "ON" using by headphone in useful.When PFL switch turned on, other channels ofr cut off automatically.

11. OL(PEAK)

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

12.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.operation is at the "O"mark,providing 4dB of gain above that point,if required.



B. MASTER SECTION

13.USB Player

1.This USB player can play the music in your USB memory disc as you like.
2.Supported formats includwe WMA、WAV、MP3、FLAC.
3.The signal of the stereo's output will mix to the MAIN via the USB player channel.
4.The recording of the live show will be store to the REC file of your USB.

⏯ PLAY/PAUSE—The button is for play or pause the tracks in your USB.
⏭ ⏮ NEXT/PLUS—The button is for choosing the previous track and next track.
MODE————Short press: switch between single loop and playback loop
Long press: Switch Bluetooth (BL)

14.The digital multi effects(FX)

Press the key stroke UP and DOWN,you will get the perfect never berative effect you need.These functions can be turned up many kinds of effective posture.

99DSP	01-03 Ambience	57-60 Slap Rev
	04-06 Spring	61-68 Echo+rev
	07-16 Room	69-74 Chorus
	17-26 Plate	75-80 Flanger
	27-36 Hall	81-86 Delay+chorus
	37-52 Echo	87-92 Rev+chorus
	53-56 Pingpong	93-99 Ktv

15.FX TO AUX

Sends the signal from FX to AUX.Only the pre–fader signal can be sent.

16.EFX SEND

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

17.EFX RET

Controls the level of EFX Inputs signal.

18. PHANTOM(+48V)

Depressing this switch applies 48V DC across all microphone input channels connectorsfor remote powering of condenser microphones.

19.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 indication.

20. PHONE

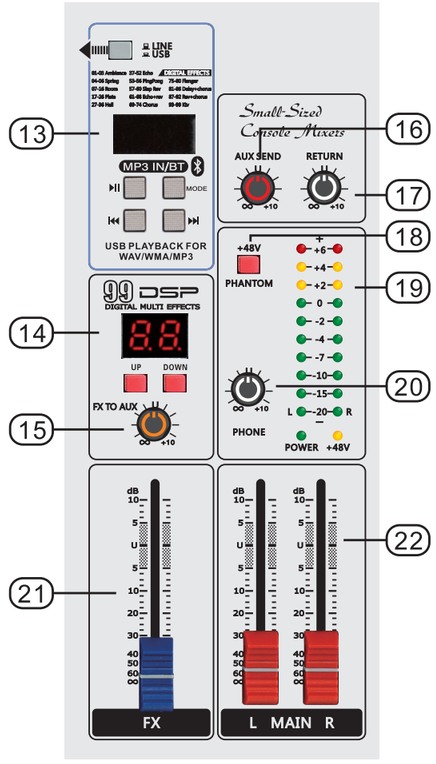
This is a single volume control sends the level to the headphones and main monitors.

21.FX LEVEL

Using by this control,you can adjust signal level of echo repeat & exterior effect.

22.OUTPUT MAIN FADER(LEFT/RIGHT)

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



C. MIXER OUTPUT SECTION

23.USB

This is the USB flash drive input, the built–in MP3 player/recorder can play/record audio files in the USB flash drive. supported formats:MP3/WAV/WMA/FLAC or as a USB audio device

24.RECORD PIN JACK

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

25. AUX SEND

These 1/4" TRS output connectors provide balanced or unbalanced line–level signals for connecting to the inputs of effects devices or stage monitor amplifiers.

26. STEREO AUX RETURNS & SENDS

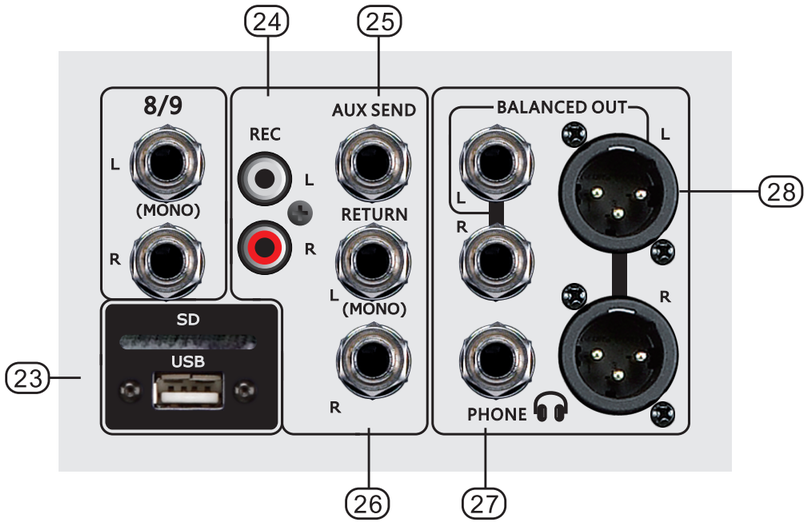
This can be used to connect all kindsof effects from outside.

27. PHONES JACK

This is used for monitoring themaster signal and individually monitoring each channel with PFL,L/R&G1–2.

28. STEREO OUTPUT JACK (LEFT / RIGHT)

In this pequot, the final confirmed sound can be send to main amplifier throughXLR & 1/4 jack.



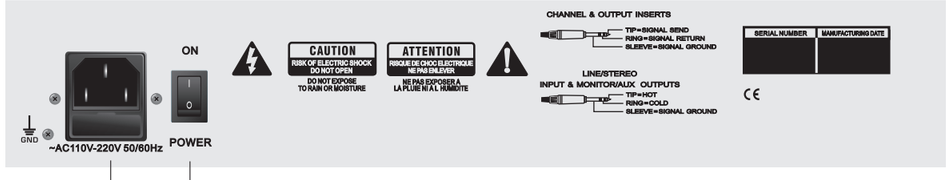
D . POWER SECTION

29.POWER JACK

This is out of connect the power supply jack.

30. POWER SWITCH

Push marked, when you want to operate. The LED will be turned on when working



E. FAULT FINDING GUIDE

Repaining a sound mixing console requires specialist,but basic fault finding is whitin the scope of any user if a few badic 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 component have gained a valuable understand 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 konwn to be working
- Route channels to different outputs or to aux sends to identify problems on the master section.
- Compare a suspect channel with an adjacent channel which had been set up identically.Use PFL to monitor the signal in each section.

F. CAUTIONS ON INSTALLATION

Please take care of the following points for installations.

1.Install this product at place of good ventilation. adn keep a interval over 30cm form the other 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 an 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 souce "AC220V" of the installation place.

6.Install the speaker more front side than the used mic and for 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.

G. HOW TOOPERATE

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 easy controls to the positions stated belows to avoid lord blasts. Loud blasts may couse damage for your speaker system or your ears when you are wearing headphone.
Maste faders L–R,Sub faders 1–2,Effect fader & Each channel faders.

Gain control ····· Turn to the left completely
Hi,Mid,Low ····· Turn to the center position
Aux1 & Effect control ····· Turn to the left completely
Pan control ····· Turn to the left completely
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 thur 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.

H. INSTALLATIONS

FIGURE 5

UNBALANCED 1/4" PLUG

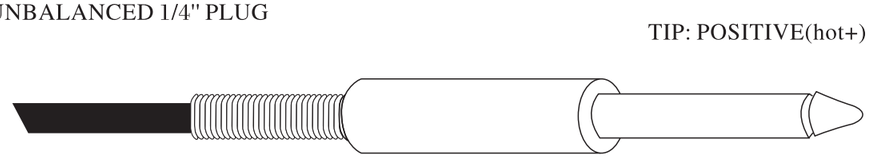


FIGURE 5–1

FAMALE 3 PIN CONNECTOR

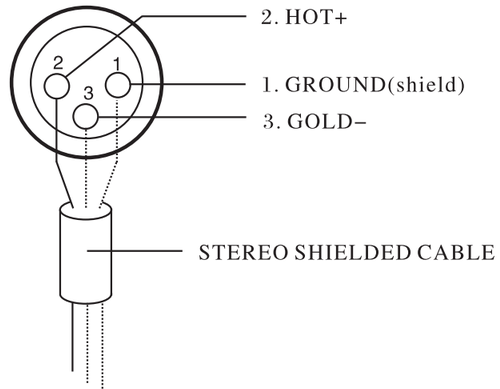
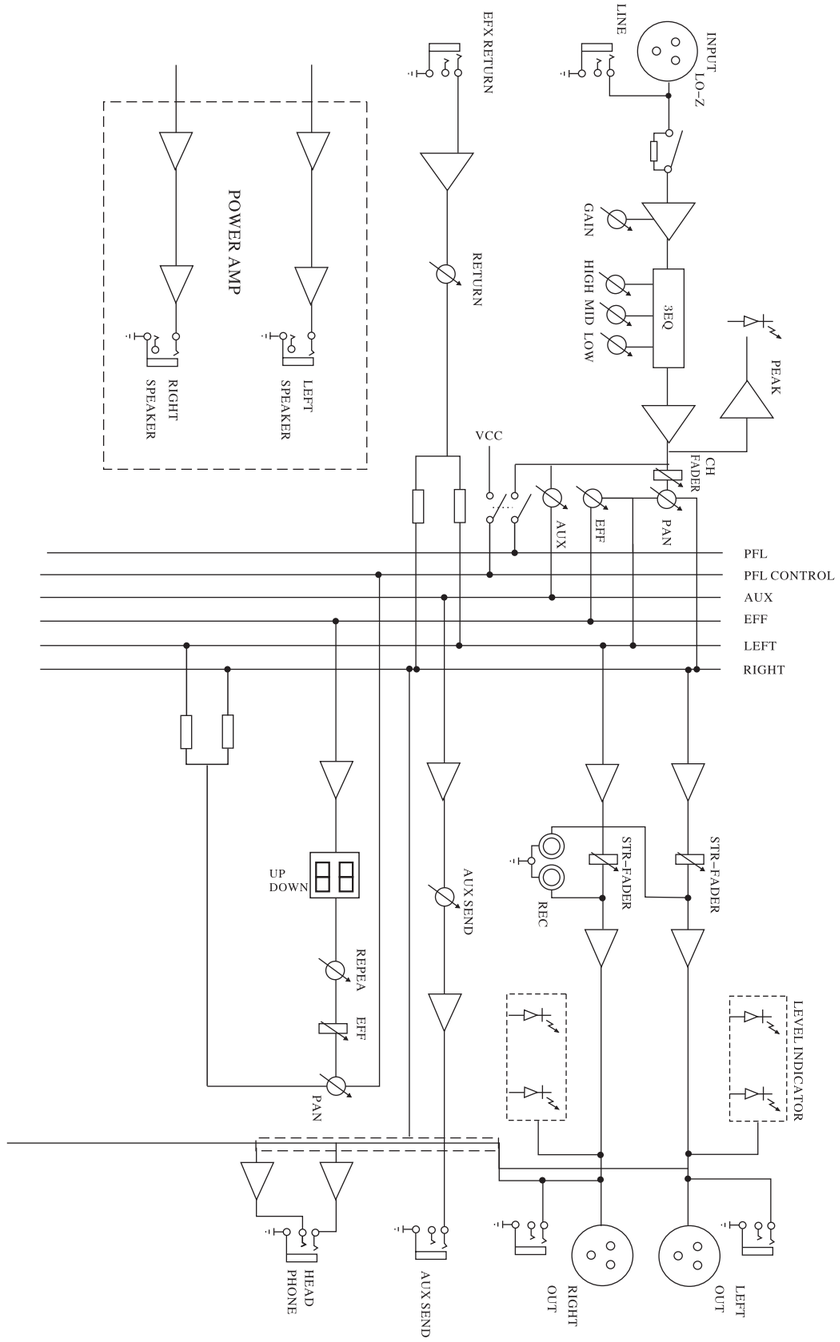


FIGURE 5–2



MIXER SECTION

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

POWER SECTION	6 CH	8 CH	12/16 CH
2.T.H.D	0.01% below(1KHz Full Power)	0.01% below(1KHz full Power)	0.01% 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
POWER CONSUMPTION	18 W	20 W	25 W

*All prices and specifications subject to change without notice.