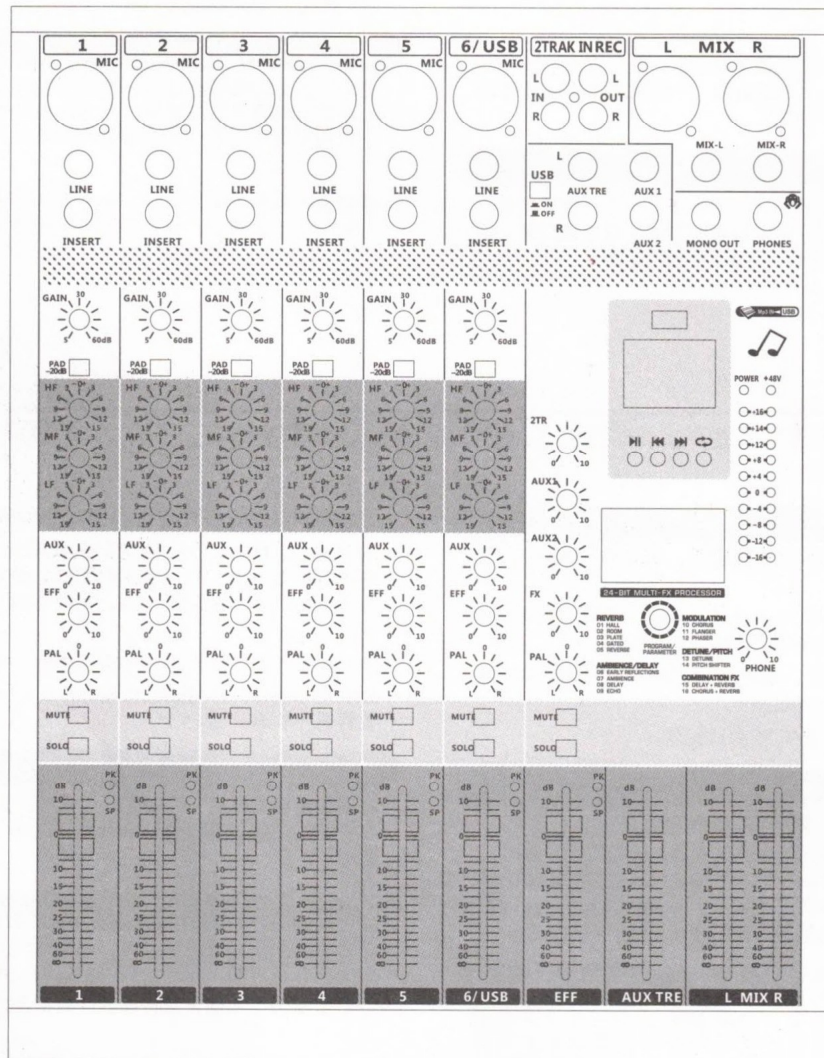


Professional Console Mixers



OPERATING MANUAL

STEREO INPUT CHANNELS

1、MIC INPUT (XLR)

Connect Microphone here. If you are using a condenser mic, ensure phantom power is supplied by pressing the switch at the top of the master section

WARNING: Do not apply Phantom Power before connecting a microphone

2、LINE INPUT

Connect Line level sources here.e.g. Synth. Drum Machine. Di etc.

3、Insert point

Connect signal processors here,e.g. Compressor, Gate etc

4、GAIN CONTROL

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

5、PAD

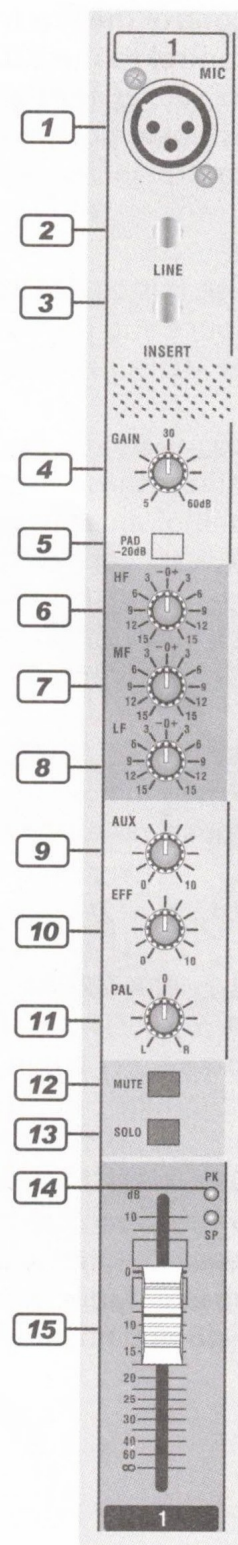
When push this switch, attenuates the input signal -20dB

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, Clockwist rotation of the control increases level.

7、MIDDEL

This has a function which controls the middle frequency tone of each channel. Always set this control to the 12O' clock position, but you can control the middle frequency tone allording to the speaker, the conditions of listening position and listeners taste. Colckwise rotation of the control increases the level. And vice verse.



STEREO INPUT CHANNELS

8、 LOW

Control the low frequency tone of each channel. Always set this control to the 12O' clock position, but you can control the middle frequency tone according to the speaker, the conditions of listening position and listeners state. Clock wise rdtation of the control increase the level.

9、 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.

10、 EFF

Adjust these controls to change the level of the signal to an FX unit or an artists monitors(headphones/in-ear/stage monitors). Aus 1&2 are switch able pre/post fade.

11、 PAN CONTROL

Use this control to position the signal within the stereo field.

12、 MUTE SWITCH

When this is pressed you will hear no signal from the channel (post-mute signals)

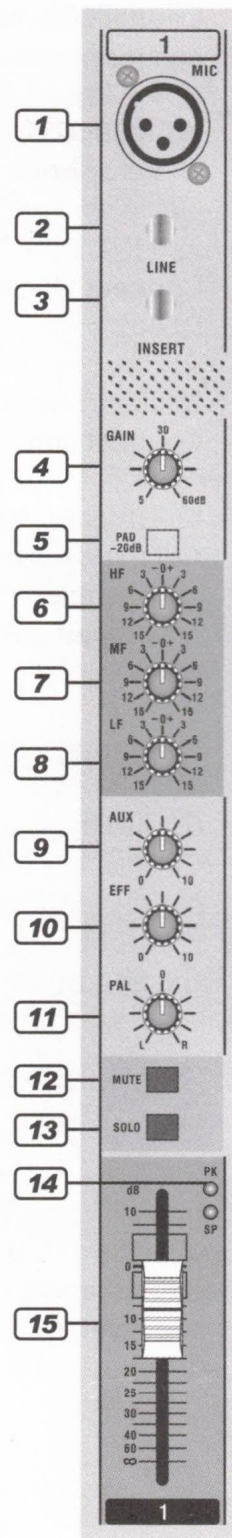
13、 SOLO

14、 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.

15、 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.



MASTER SECTION

16、2TRAK IN

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

REC

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

17、 MIX OUTPUTS&INSERTS

The Mix LEFT and RIGHT outputs are sent from the XLR sockets as balanced signals. The Mix INSERT points are on 3-pole 'A' gauge jacks and are unbalanced.

18、 19、 AUX1-2 SEND

20、 STEREO AUX RETURNS & SENDS

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

21、 USB MP3

22、 HEADPHONES JACK

The PHONES output is a 3-pole, 'A' gauge jack, wired as a stereo output as shown, ideally for headphones of 200Ω or greater. 8Ω headphones are not recommended.

23、 MONO OUT

The phones signal follows the control room output.

24、 USE INPUT JACK

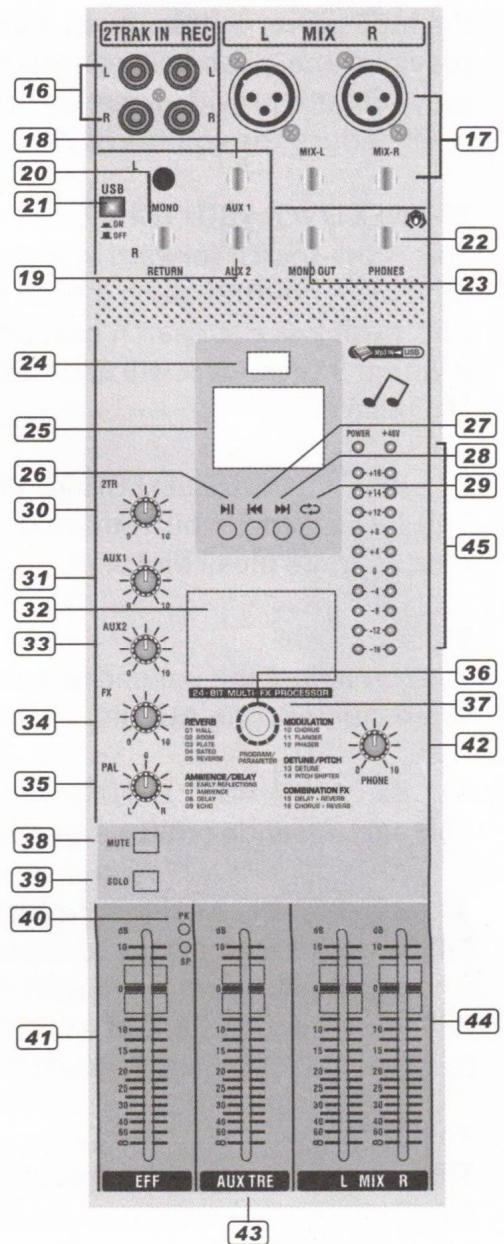
25、 MP3 PLAYER LCD DISPLAY

The LCD can display the following text:

- display the song name which are playing;
- display operation status (PLAY/PAUSE, PREV/VOL-, PREV/VOL-, NEXT/VOL+, Repeat mode)
- display the playing song's time;
- display the English song word which are playing.

26、 PLAY/PAUSE BUTTON

This is the PLAY/PAUSE button of this Mp3 player. Push this button to PLAY or PAUSE the playing of the Mp3 PLAYER.



MASTER SECTION

27. PREV/VOL- BUTTON

This is the search backward and reduce volume of the Mp3 player button, push it once to search the previous one, push twice to search previous and previous and previous one; push it within 5 seconds it will reduce the volume of the Mp3 player.

28. NEXT/VOL+ BUTTON

This is the search forward and add volume of the Mp3 player button, push it once to search the next one, push twice to search next and next one; push it within 5 seconds it will add the volume of the Mp3 player.

29. REPEAT MODE SELECTION BUTTON

This is the transfer button of Mp3 player repeat mode (single file/all file)

30. AUX TAPE

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

31. 33. AUX1,AUX2 OUT

This socket sends out the signals from aux bus.

32. 36. 37. DELAY /PROGRAM/PARAMETER

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

REVERB, AMBIENCE/DELAY, MODULATION
DETUNE/PITCH, COMBINATION FX

34. REPEAT

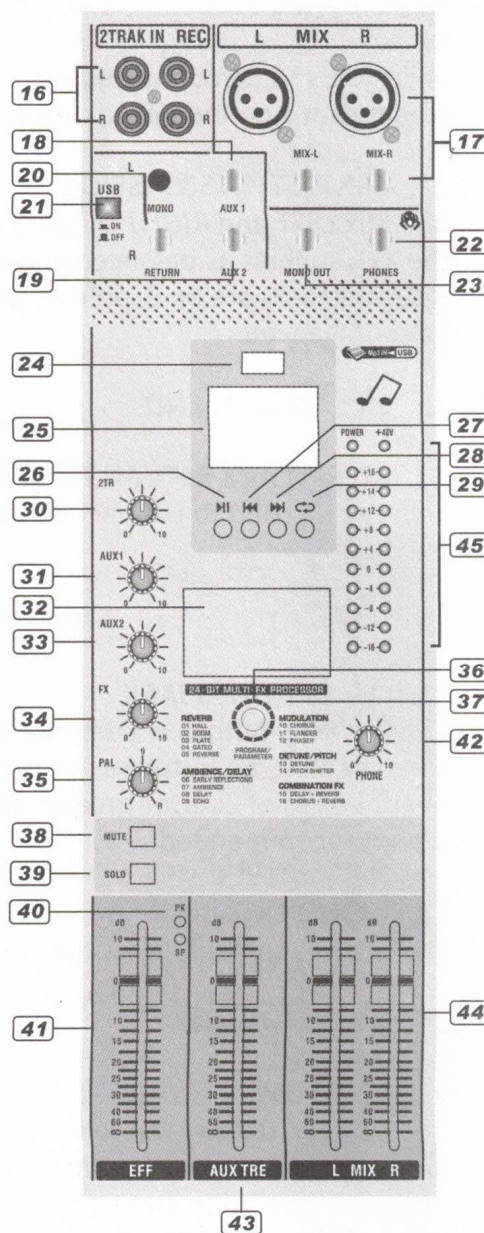
This is used for adjusting frequency of echo repeat. Since too much echo repeat may cause a howl. Please adjust frequency properly.

35. PAN CONTROL

The PAN control knob sets the balance between left and right of the Mp3 player input signal.

38. MUTE

Press this switch to turn the Mp3 player (channel) signal off.



MASTER SECTION

39、 SOLO

Press this switch to set the signals from Mp3 player output via the MONITOR/PHONES jack.

40、 PEAK INDICATOR

The peak level of the Mp3 player signal is detected, and the PEAK indicator lights red when the level reaches 3 dB below clipping.

41、 EFF/RETURN

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

42、 PHONES LEVEL

This control sets the output level to the Head phone outputs. If headphones are plugged into PHONES jack, then the knob sets a comfortable headphone listening level without affecting the Monitor output levels.

43、 VOL FADER

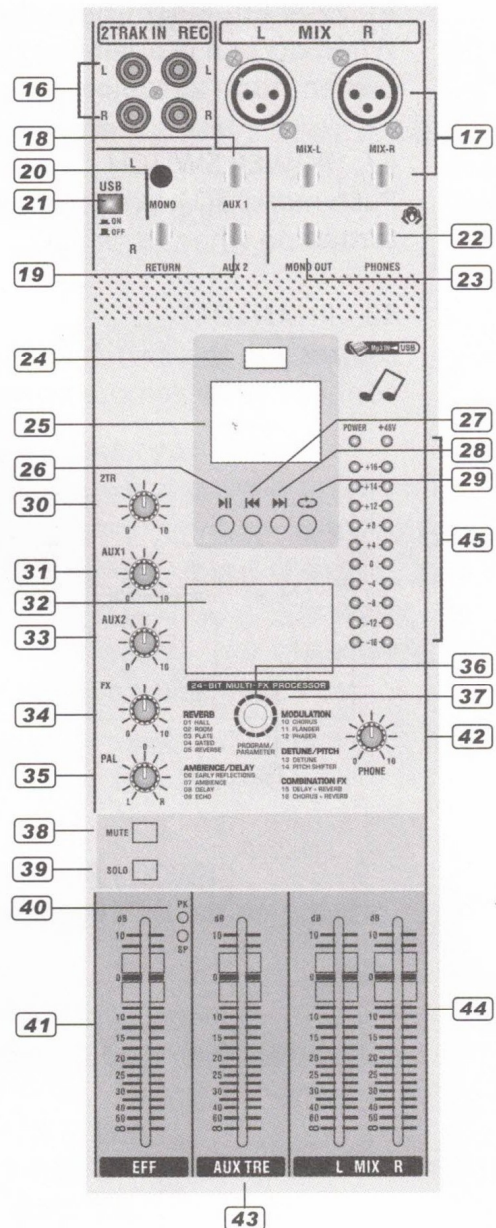
This is volume control fader to adjust the volume of the Mp3 player.

44、 MASTER FADERS

The MASTER FADERS set final of the MIX outputs. And separate faders are provided for each output. These should normally be set close to the '0' mark if the input GAIN settings have been correctly set, to give maximum travel on the faders for smoothest control.

45、 BARGRAPH METERS

The three-colour peak reading bargraph meters normally show the level of the mix right and mix left outputs, giving you a constant warning of excessive peaks in the signal which might cause overloading. Aim to keep the signal within the amber segments at peak levels for best performance. Meters, if level of background noise may become significant. Take care to set up the input levels for best performance. When any SOLO switch is pressed. The meters switch to show the selected SOLO signal on both meters, in mono the SOLO LED also lights.



POWER INPUT

46、 AC POWER CORD

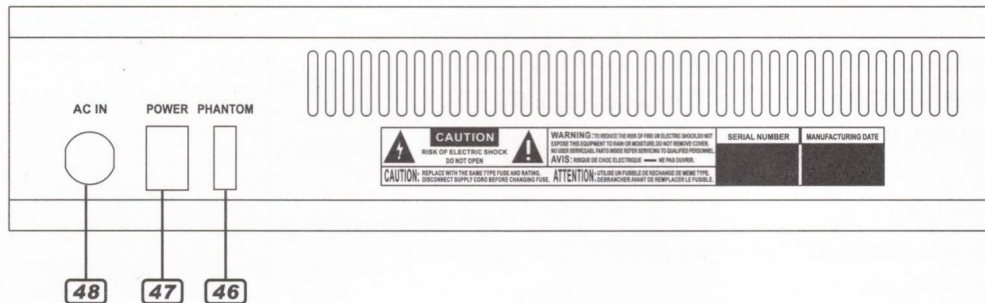
AC 220V 50~60Hz Check the power source of AC 220V before connections
When occur a problem on this appliance. The fuse will be cut off power to prevent form aproblem.

47、 POWER SWITCH

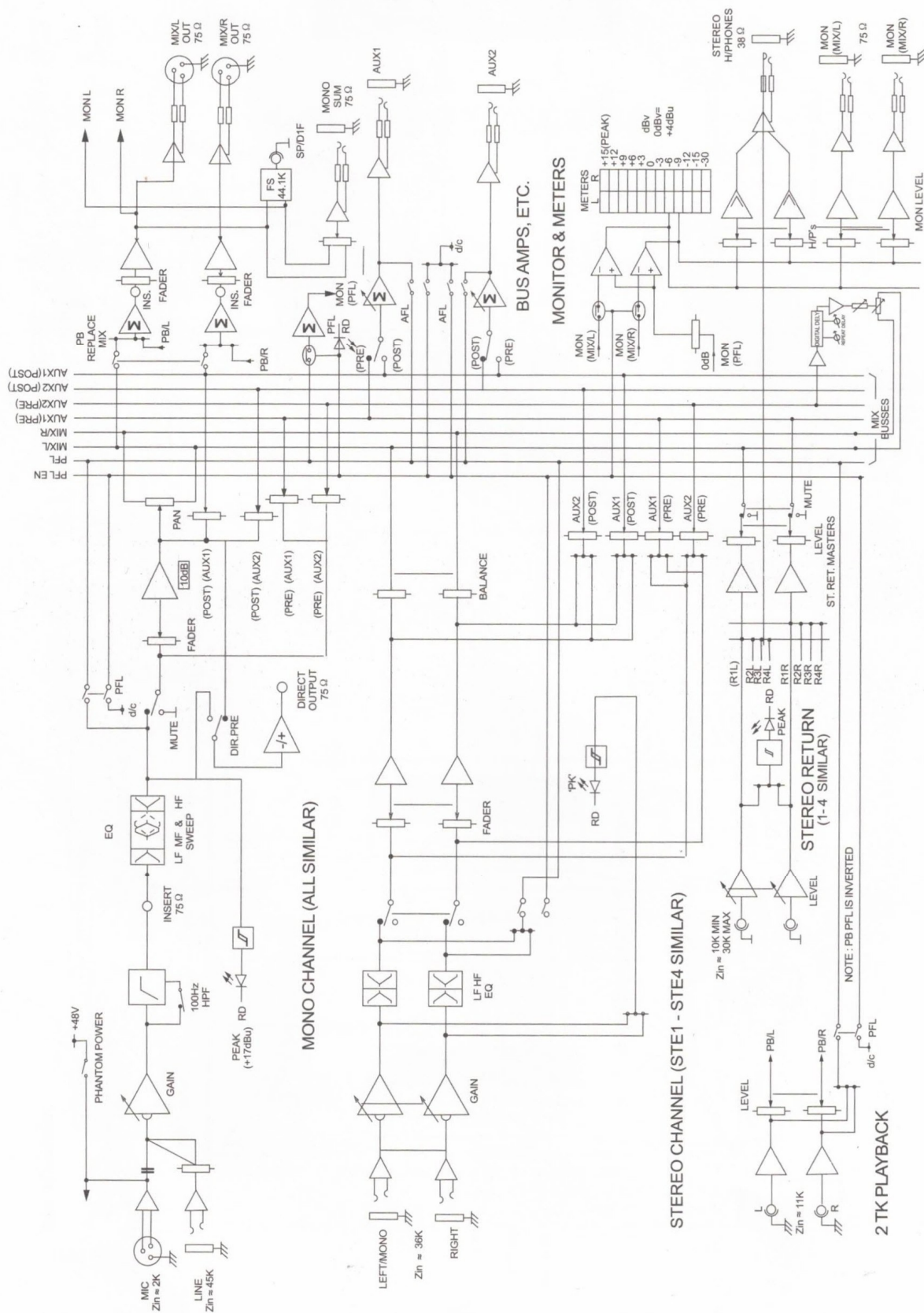
Push marked(1). When you want to operate. The LED(SEE NO,14) will be turned on when working.

48、 PHANTOM

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



SYSTEM BLOCK DIAGRAM



System Block Diagram(with Mp3 Player)

