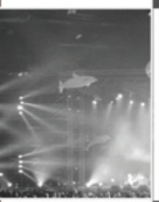


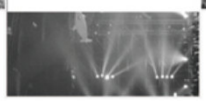
MIXING CONSOLE

Owner's Manual









ENGLISH DIRECTORY

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IMPORTANT SAFETY WARNINGS



The signs are internationally recognized safety warnings for electric products the lightening triangle is a warning sign for dangerous voltage of the appliance and alerts the user to the risk of electric shock. The exclamation mark triangle is used to alert the user to important information of operation or maintenance instructions.

These signs are used to warn that there is dangerous voltage in the machines and no parts are accessible. Do not disassembly the appliance, or add and modify any parts of it by your own, otherwise you will damage the electronic parts in it. If there is any thing wrong with the appliance, call the specialized technician to repair immediately.

Any actions done without following the instructions will lead you to the danger of power shock and lost of the right for guarantee.

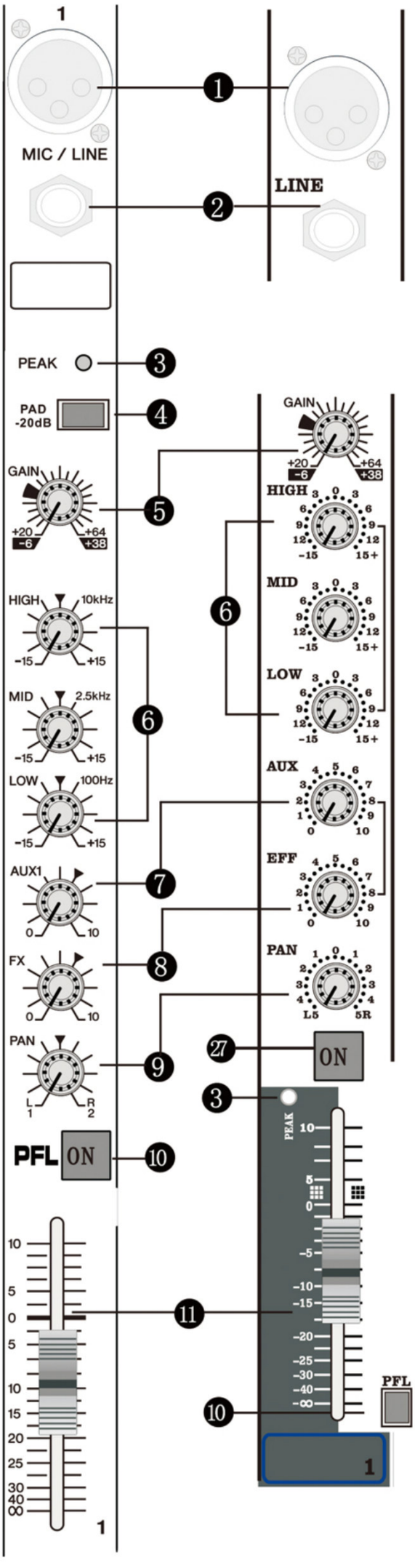
The operation must be done exactly with the voltage marked on the back panel.

This appliance should be connected with grounding for the correct operation. Do not move the earth connector or neglect it.

Power supply cable should be laid safely to avoid tramping or crushed by other subjects or creatures. If it does not be used for a constant long period, pull the plug out of the socket.

The appliance should always be placed in the best ventilation place. Keep away from heating. Avoid the exposure to places with rainy or high humidity.

MIXER INPUT CONTROL DESCRIPTION



1.MIC INPUT (XLR)
Connect Microphone here. If you are using a condenser mic, ensure phantom power is turned on which after connected the condenser microphone.
WARNING: ONLY connect condenser microphones with the +48V phantom power.

2. LINE INPUT(BALANCE JACK)
Connect the balanced TRS phone-jack line inputs, (Spec. For wireless microphone etc. Active signal & high voltage input)

3.PEAK INDICATOR
It is used to indicate the channel input signal, whether the mixer is performing in a overload/distortion situation. When the indicator glimmer or light up, it means the channel input signal too strong and the Gain or volume were adjusted too high to make the signal-Output distortion. So that it should Adjust the Gain and Volume

4.PAD
Press the PAD , channel signal-input will reduce 20dB, It is applicable to press the pad to cut down 20dB when the signal over large input into the channel.

5.GAIN
Adjust the incoming signal level. To get the best balance Between the S/N ratio and the dynamic range, adjust the gain so that the PEAK indicator light only occasionally and Briefly on the highest

6.CHANNEL EQ(HIGH,MID & LOW)
Adjust the channel input signal and embelish the quality of output sound that the output signal will be perfect.

7.AUX
Adjust the channel AUX signal-output.

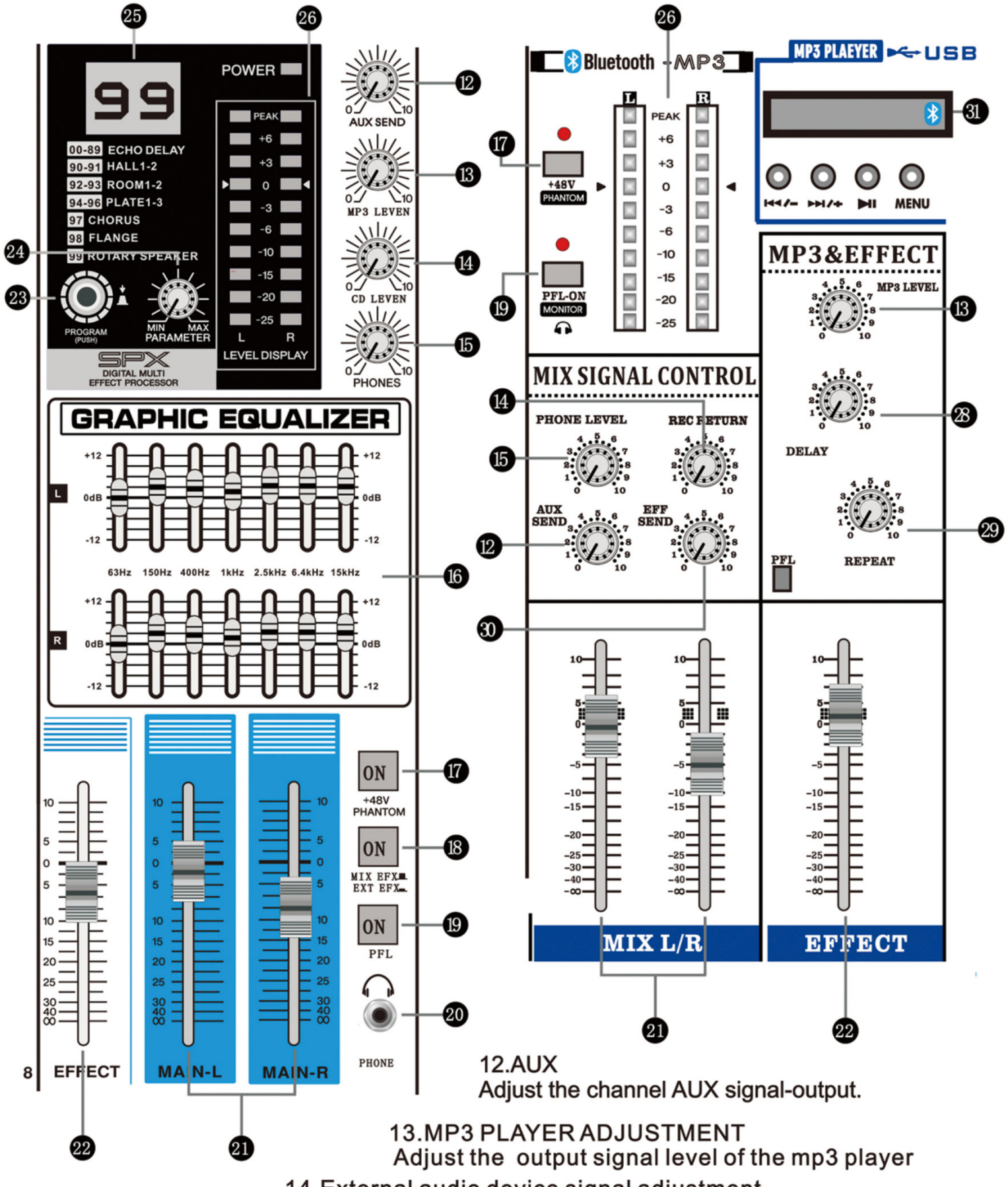
8.EFF SENT
Adjust the channel effect signal-output.

9.PAN
Control the channel signal-output to main L&R control room.

10.PFL(PRE-FADELISTEN)
Before the signal faded, press this switch that the channel signal can be monitored by heaphone.

11. CHANNEL FADER
Adjust the channels output signal level and the balance of each channel, theoptimum setting is the 0 (Unity gain) position.
Note: Set the fader sliders for unused channels all The way down to Minimize noise.

MIXER MASTER DESCRIPTION



12.AUX
Adjust the channel AUX signal-output.

13.MP3 PLAYER ADJUSTMENT
Adjust the output signal level of the mp3 player

14.External audio device signal adjustment
Adjust the input signal level of the external audio device

15.HEADPHONE LEVEL ADJUSTMENT
Adjust the output signal level of the headphone

16.GRAPHIC EQUALIZER
Graphic equalizer is a high-fidelity audio control that the user can control totally 7 bands in a stereophonic system.Which the frequency range from ultra-low to ultrahigh(63Hz-15KHz).

17.PHANTOM POWER INDICATOR
When open the phantom power, the indicator light up, it means +48V power it is providing to the channel canon interface, condenser microphone it is requested to used here.
Warning: TAKE CARE when using unbalancend mics which may be damaged by the phantom power voltage.Balanced dynamic mics can normally be used with phantom power switched on (contact your microphone manufacturer for guidance)

18. THE BUILT-IN EFX AND EXTERNAL EFX SWITCH
When stand up the key, the built-in effect processor start to work;
when press the key, the external effect processor will work instead.

19.MONITOR CONTROL KEY
When press the PFL monitor key the device will acess in phone monitor mode,at the monitor mode, channels can be monitored by the channels monitor key is pressed down.

20.HEADPHONE OUTPUT CONECTOR
Stereo TRS 6.3 headphone connector

21.MASTER FADER
Main signal level control fader

22.EFFECT FADER
Effector signal level control fader

23.EFFECTOR MODE PROGRAM
Built-in 99kinds of the effects(NOTE: 25). 0-89 effects it is delay program, 0 it is the shortest & 89 it is latest delay.90-99 it is sence modes: 90-91 it is Hall1 and Hall2 effect. 92-93 it is Room1 & Room 2 effect.94-96:Hollowness1 &Hollowness3 effect. 97 it is Chorus effect. 98 it is Mech -anical sound effect 99 it is Surround effect.

24. EFFECTOR DEPTH ADJUSTMENT
Adjust the depth of effect repeat.(depth of the repeat frequency)

25.EFFECTS LCD DISPLAY
Display the actual mode of effects

26.LED SIGNAL LEVEL INDICATOR
The three-color 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. Similarly, if the output level is too low and bardly registenring at all on the meters, the level of background noise may Become significant. Take care to set up the input levels for best performance.

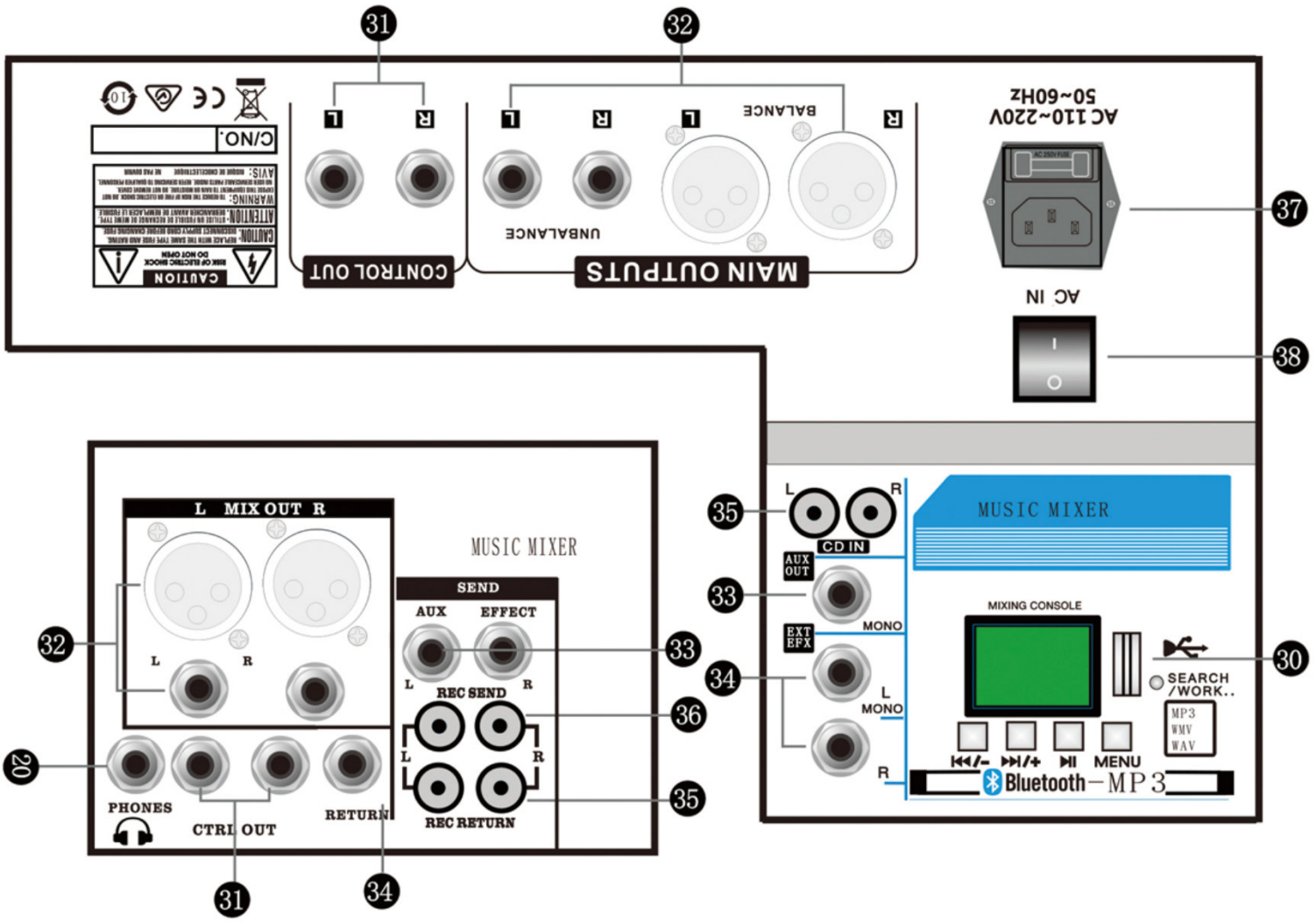
27.channel mute switch.

28.EFFECT REPEAT
Adjust how many times of the effect repeat for a frequency.

29.EFFECT DELAY
Adjust how long will be reached, from frequency to frequency.

30.MP3 PLAYER SYSTEM
Built-in Mp3 player system, it can display the memory card, such as: USB card etc., different type of document format different country languages, which are set up via menu. Multi function, Built-in preset EQ/ document browse/ play order/(frequency/lrc/track/playing time) display.
Remark::
When connect with the mp3,which will play mp3 doc. Automatically. ⏯ PLAY/ PAUSE key, short press ⏮/-chooses previous track, long press it to decrease the volume. Short press ⏭/+next track and long press it to increase the volume
MENU Menu switch: press on the switch to change into mp3 menu. To browse the menu and set up the right status(such as: the language and EQ you need etc.). Press ⏮/– & ⏭/+ to Pre-/UP choice, ⏯ confirm key. Indicator: signal indicator

MIXER OUTPUT DESCRIPTION



31. HEADPHONE OUTPUT INTERFACE
Monitor the auxiliary output signal via the headphone

32 .MAIN OUT/MIX OUT
The Mix L&R output are sent from the XLR connector as unbalanced signals. The TRS output connectors are on 3-pole "A" gauge jacks and are unbalance。

33..AUX OUTPUT
Output signal connector for mono channel use, external signal via this jack to main bus

34.AUX RETURN OUTPUT
External signal return to main control via this connector.

35.TAP(CD) SIGNAL INPUT
Exrernal tap(CD) signal input to main control via this connector

36.EXTERNAL REC CONNECTOR
RCA jack, Connect with the external REC device.

37.PLUG,FUSE
Triaxial cable, connect with G line which will be more safety operation, 8-10A Fuse.

38. POWER CONTROL
When open the power, it is working.

CONNECTIONS

AUDIO CONNECTIOMS

You will need a large number of cables for different applications. The illustrations below show how the connectors should be wired. Be sure to use only high-grade cables.

Please use commercial RCA cables to connect the CD/TAPE inputs and outputs.

You can, of course, also connect unbalanced equipment to the balanced inputs/ outputs. To do this, use either mono plugs or stereo plugs with the ring and sleeve bridged(pins 1 and 3 in the case of XLR connectors).

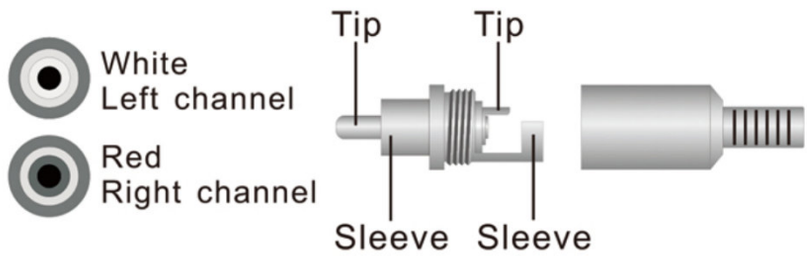
BALANCED XLR CONNECTORS



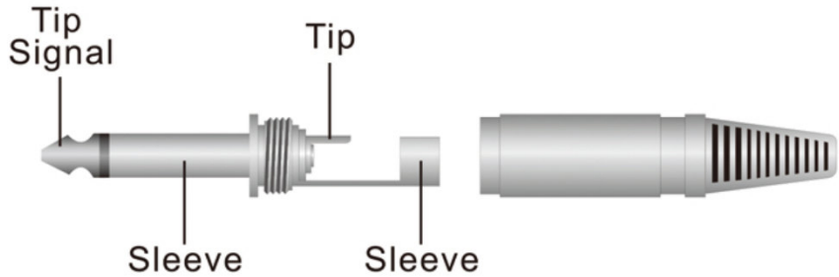
1=ground/shield
2=hot(+ve)
3=cold(−ve)

FOR UNBALANCED USE PIN 1 AND PIN 3 HAVE TO BE BRIDGED

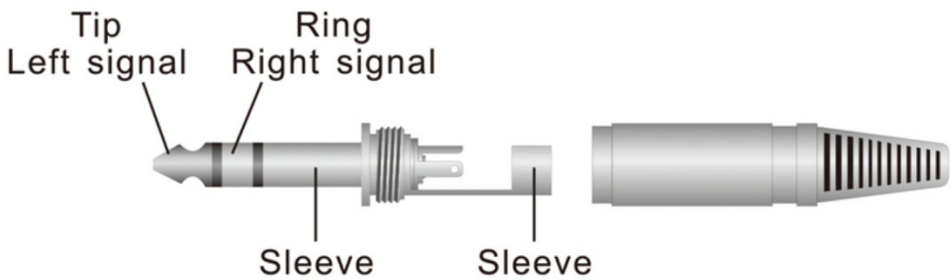
RCA CONNECTORS



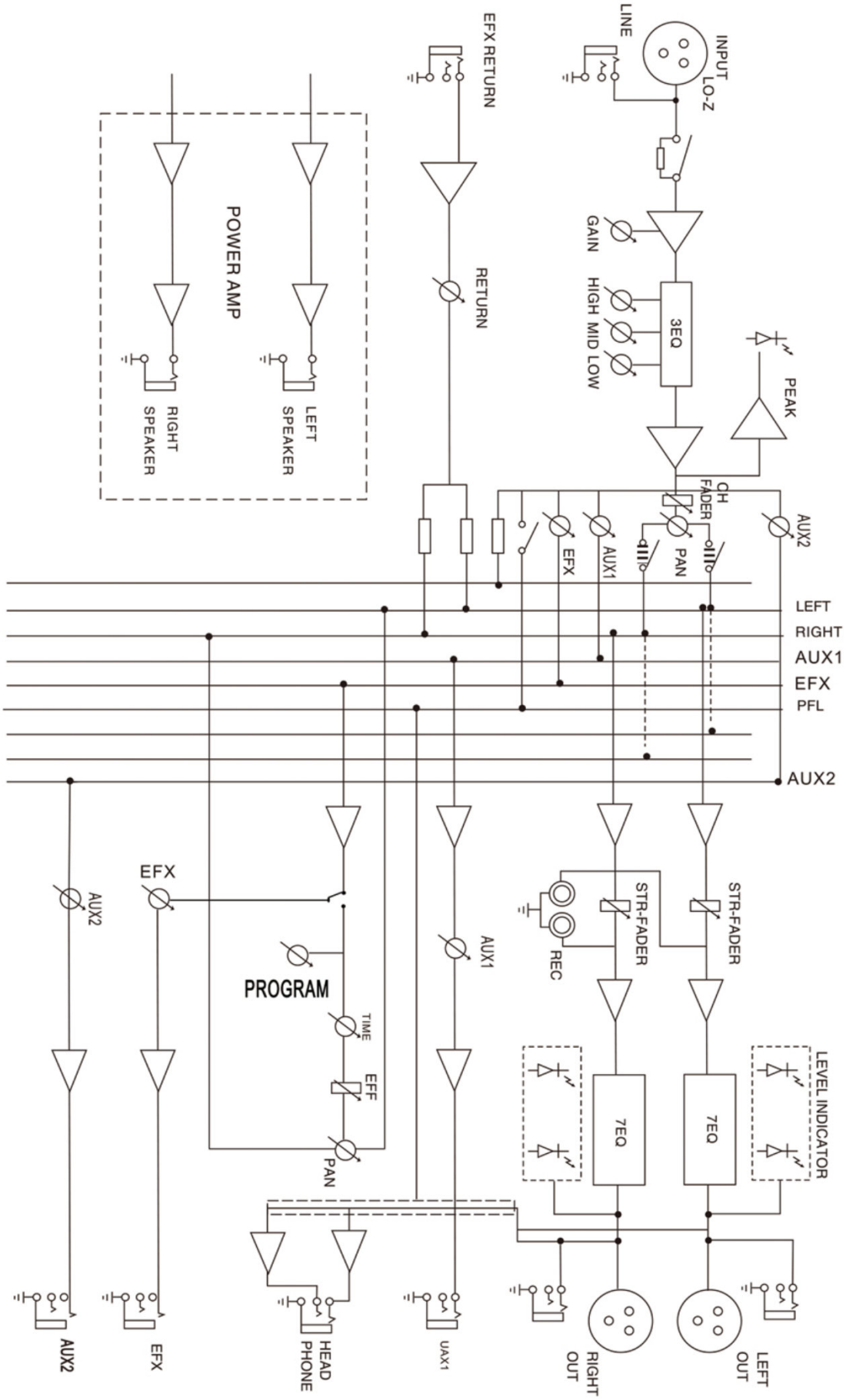
UNBALANCED 1/4″ TS CONNECTOR



1/4″ TRS HEADPHONES CONNECTOR

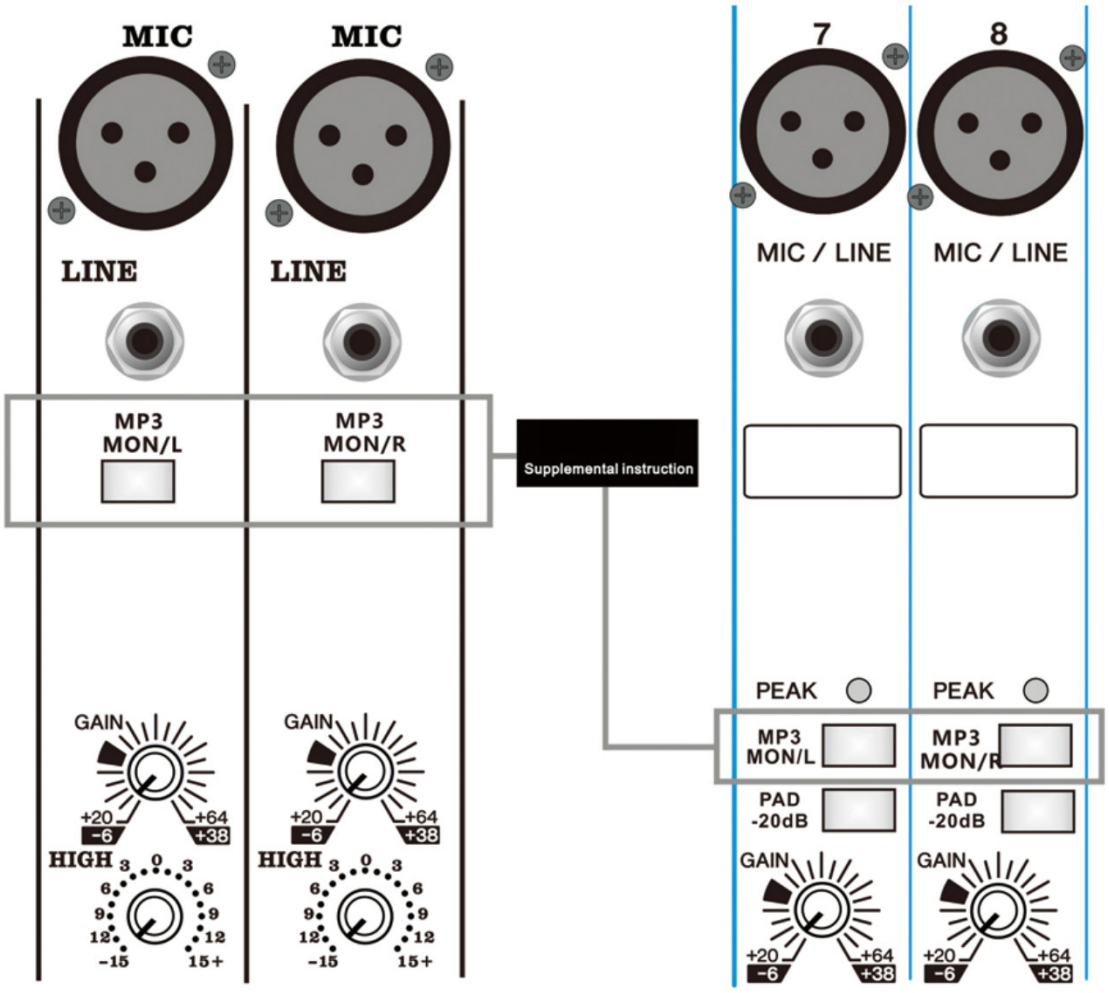


BLOCK DIAGRAM



MP3 SUPPLEMENTAL INSTRUCTION

MP3使用补充说明



SUPPLEMENTAL INSTRUCTION

Remark: this function special for designated item.

In order to make the mp3 player can be adjusted more efficiency and its signal input into the subchannel. We setup the last 2 subchannels for mp3 left &right input signal(as graphic show).Operation as follow: when press $^{MP3}_{MON/L}$ key mp3 signal input in this channel, the PAN knob should be adjusted in the left side, when press $^{MP3}_{MON/R}$ key mp3 signal input in this channel,the PAN knob should be adjusted in the right.

Above adjustment, mp3 stereo signal will be input via these two subchannels for adjustment.