8/12/16-CHANNEL MIC/LINE MIXER

Professional Mixing Console Equipment

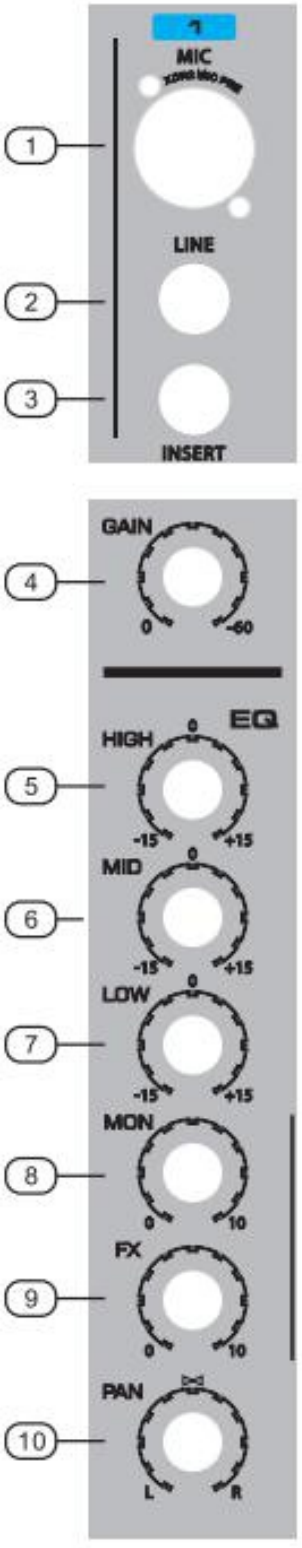
OWNER'S MANUAL



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A. input channel panel



1. Balanced input

Balanced XLR (Canon) input, can connect a standard Canon male connector,Open.After switching on the Mirage Power Supply, each microphone input socket has a +48V Mirage Power Supply electricity.

2. Line Input

The line input interface is used to connect the balanced and unbalanced sound sources, primarily the connections unbalanced high resistance input signal.

（It is used to connect instruments, record player, keyboard, etc.）

3. Insertion point

The insertion point is a breakpoint in the signal path of the input channel that allows the signal to pass through the external a device, such as a processor, that is brought out of the mixer, and then returns to the mixer to continue the most back output.

4.Increase Profit Control

Sets the volume of the microphone or line input signal supplied to this channel. This knob is used to adjust the microphone and line input signal sensitivity. That gives the foreign signals is tuned to the desired internal control level.

5.High Pitch

Control the high frequency signal of this channel, please adjust the knob to the position of 12 o'clock, you can control the signal according to the speakers, the listening position and the audience's taste.

The signal in the DJ 12KHz controls ascension or attenuation.

6.Alto

Control the IF signal in this channel. Please adjust the knob to 12 o'clock position, you can control the signal according to the speakers, the listening position and the audience's taste.

The signal in Road 2.5KHz controls ascension or attenuation.

7.Bass

Control the low-frequency signal of this channel, please adjust the knob to 12 o'clock position, you can control the signal according to the speakers, the listening position and the audience's taste

The signal in the Dow 80Hz controls the lift or attenuation.

Can enhance the bass drum, bass bass and other instruments.

8. Auxiliary dispatch

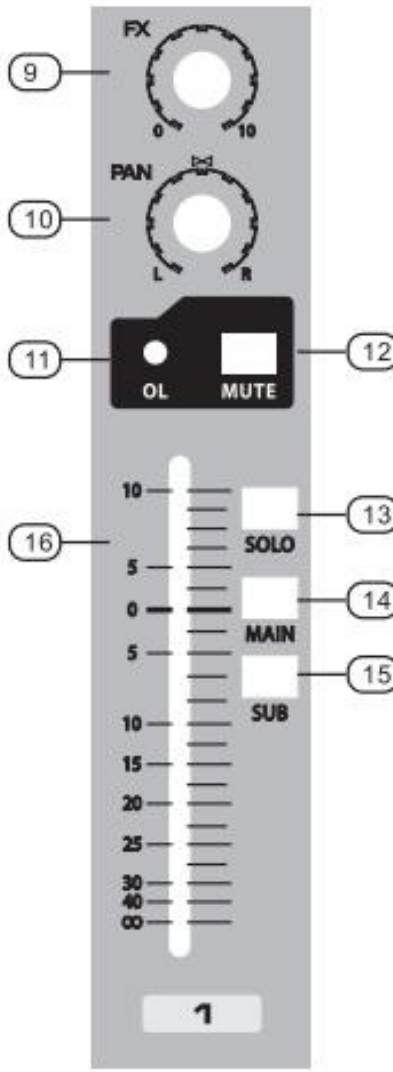
The knob is used to control the send signal size for this channel, which is sent to the external the part of the stereo and mono signals.

9.Effect Sent

Use this knob to control the input signal you want to adjust through the effector.When you do not use an external source, the digital effects will delay your internal operations.

10.Audiovisual Location

The knob is used to adjust the sound source distribution in space.
When adjusted to the left, it is equivalent to placing the sound source on the left side of the receiver.
When adjusted to the right, it is equivalent to placing the sound source on the right side of the receiver.
If it is placed in the middle position, it is equivalent to placing the sound source in the middle of the hearing.
In fact, this knob is used to adjust the left and right distribution of the knobs, which is on the mixer creating stereo output is extremely important.



（FIGURE 2）

11.Peak Indicator

Peak indicator: If the input signal is too big, it will be distorted after entering the mixer. Adjust the GAIN knob until the light is dim or slightly bright.

12. Mute

Press this switch to cut off the local signal source.

13. Wiretapping

Listen to the button SOLO: Pusher decays, press it and plug in the mixer with the headset。 The headphone jacks of the 500KB can hear the sound
signal in front of the pusher.

14/15. Allocation buttons for marshalling and main channels

The input signal is sent to the selected mixer by the selection of the routing toggle button——The output is usually primary or marshalled if the phase control is fully rotated.Turn to the left or right. This switch is used to proportionally control the sound of the Phase Control Button.To send a signal to the left or right main input or to the singular or even group input to go out

16.Channel Pusher

The regulation of the function key has two effects: on the one hand, it regulates the path sound in the mixing, the proportion of push upward is large, pull down is small; on the other hand, Used to adjust the near and far distribution of the sound source on the road, pushing up the sound is equivalent to putting the the sound source is put close to the voice, pull it down, and the sound is small, which is equivalent to putting the the sound source is put far away to produce sound.

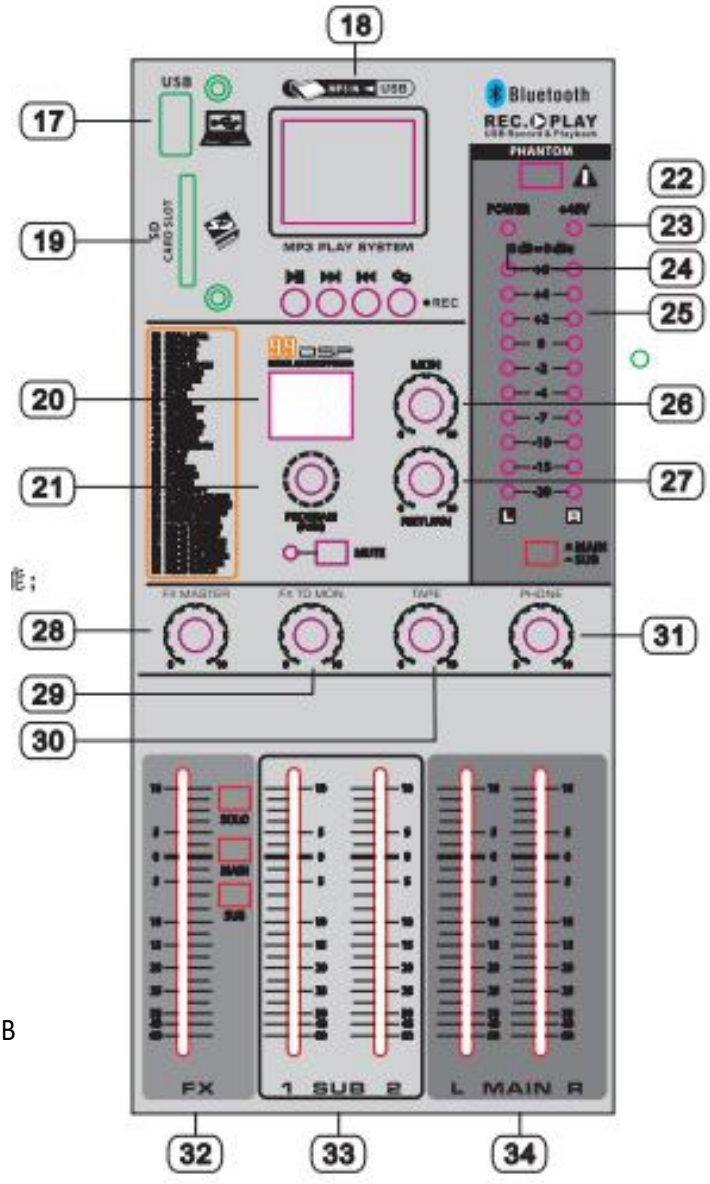
B. Stereo Channel Panel

17. USB



This USB interface, machine built-in MP3 player and recording,support format: MP3, WAV, WMA
Computer recording and sound editing through USB and computer links.

18. MP3 Player



1.The latest generation of Bluetooth MP3 integrated chip;
2.support MP3, WAV, lossless APE, FLAC audio format play;
3.Support Bluetooth 2.1 standard + EDR, Bluetooth work status indicator;
4.FM Radio Function; Infrared wireless remote control function; Support SD card, TF card, can hang out;
5.24bit DAC: Optional USB card for Yule.
6.English and Chinese;
7.Multi-loop play mode; Multiple EQ modes;
8.stereophonic recording function; Folder selection function, delete file function;
9.1.4-inch HD LCD lattice display, high contrast.

19.SD

This SD player.

20. Effect Processor

Show Effect Category Content

99DSP

00 SMALL HALL	36 REVERSE	82 FLANGER&REVERB
03 MID HALL	40 EARLY REFL	84PHASER&REVERB
06 BIG HALL	44 AMBIENCE	86 PITCH&REVERB
09 CHURCH	48 STADIUM	88 DEL.AY&REVERB
10 SMALL ROME	49 AMBIENCE FX	90 DEL.AY&GATED
13 MID ROME	50 DEL.AY59ECHO	91DEL.REVERSE
16 BIG ROME	60 CHORUS	92 DEL.AY&CHORUS
19 CHAPEL	66 FLANGER	94 DEL.AY&FLANGER
20 PLATE	70 PHASER	96 DEL.AY&PHASER
27 SPRING	74 PITCH SHIFT	98 DEL.AY&PITCH
30 GATED REV	80CHORUS&REVERS	

21. Effectsor and USB menu operation encoder

Turn this knob to adjust the selection of effects you need.

22. Phantom Power Switch

If the microphone needs a phantom power source, press this button and insert all the XLR microphones into the mixer. This allows the mixer to provide low-voltage straightness Streaming to use, the same line of microphones for audio, LED lights when light indicates the phantom power is in operation.

23. Power LED Lamps

This is the power work light, LED light when the start of work.

24.Mirage Power LED Lamp

This is the illusion power working indicator light, when the LED light is on.

25. output level indicator light

The level meter shows the operation mode and channel status of the output level of the left and right channels. So you can pass this the level output main indicator sees the volume change.

26. monophonic assisted transmission

Used to control the signal volume knob used to assist the sending.

27. Secondary return

The signal of the external equipment is inputted through the AUX RETURN socket, and the output of the main volume is RETURN by the control knob.

28.Effect Plus Main Voice

Use the FX TO MAIN knob to provide the effect signal for the MAIN
line mixing. If the knob is turned to the far left, you will not hear any effect.

29. Effect knob

This is used to adjust the reverberation effect volume, mixing all channel
effects sent to this key control.

30. RCA input

Control the input level into the RCA input signal and the audio frequency
Send it to the main channel.

31. Earphone level

This is a signal volume control knob that controls the send to the
the headphone and the level of the main monitor.

32.Effect Pusher

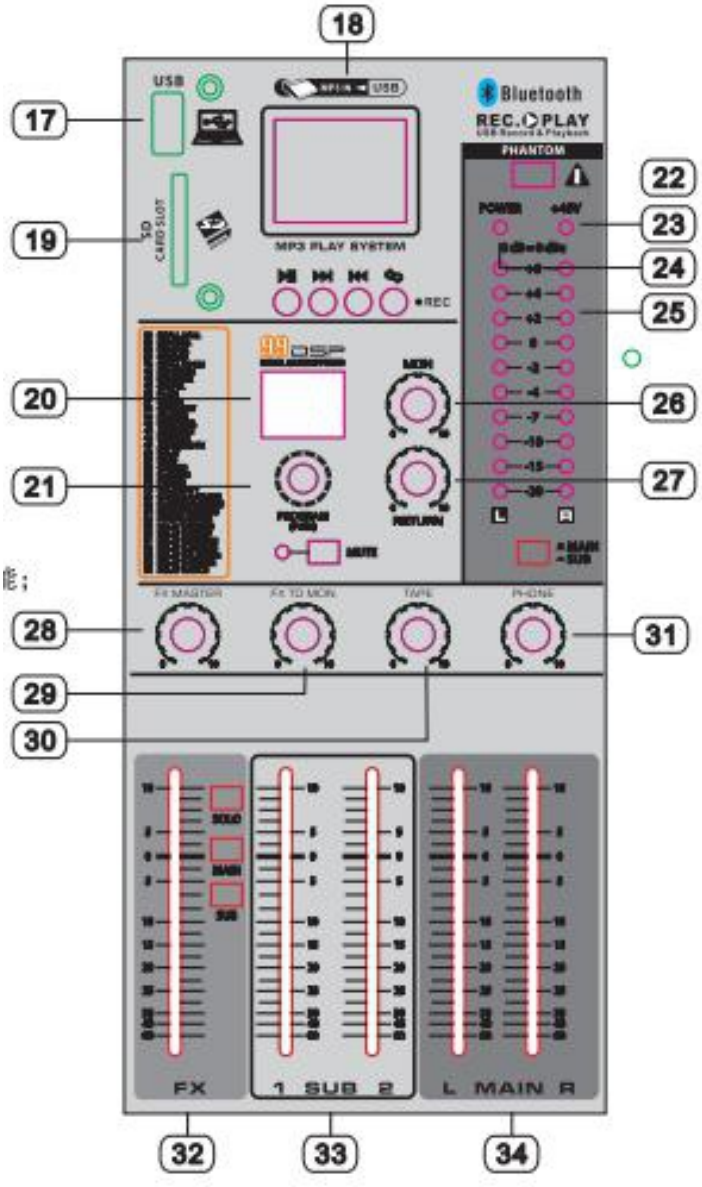
This putter controls the level of the effect channel, from OFF to
Additional gain from 10Db.

33. Group volume pushers

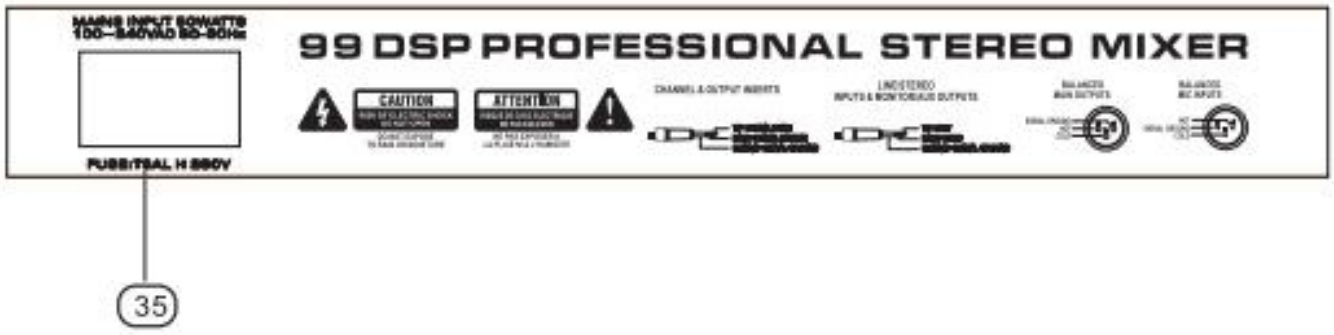
Marshalling Output Level Control Putter to adjust this
Push buttons can adjust the volume of marshalling.

34. Output volume pusher (left/right)

This is a master volume control putter, you can adjust the left side
Right channel output.



C. Power panel

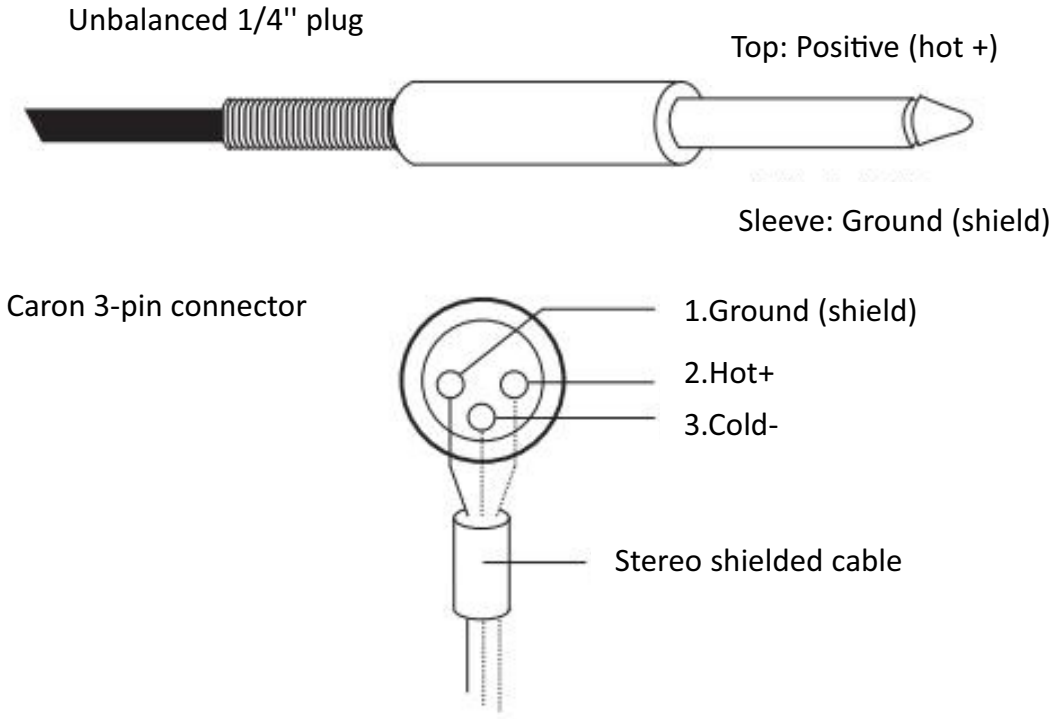


35. Power connection

This is a standard EC power interface. If you lose the power cord provided by the tuner, you can also use a professional the three-hole EC cable connection of the video recorder, musical instrument and computer is used.

D. How to Operate

1.The power supply voltage must be confirmed first.
2. Make sure that the power switch of this product is cut off and whether the power cord plug is connected with the power socket.
3. set each of the following controls down to prevent the main sound from exploding. The sound of the explosion may damage your voice system or your ears (when you wear headphones).
The primary pusher (left/right), the marshalling pusher, the effect pusher and all the vocal pushers.
Increase control ……Go to the far left
High, middle, bass……Go to center
Effect control of EFX……Go to the far left
BAL ……Switch to center position
Turn all the other knobs to the far left.
4.The power switch is set to a position marked (1) and the LED light starts working when it is on
5.Set the left and right channels of the main pusher to the middle position and start working.
6. Set the channel pusher, you must make the channel pusher in the bottom position and then connect the external source input part.
7. To connect to an external source, add a Gain control.
8. Adjust tone control to your taste.
9. adjust the effect knob, from minimum to maximum, to get the echo effect in a certain frequency band. Adjusting delayed control and duplication control, you can get a different echo effect.



E. Appendices

Technical parameters	
Monophonic input	
Microphone input	electronically balanced, discrete input configuration
Bandwidth	10Hz to 60 kHz ±3dB
Distortion	0.01%at+ 4dBu, 1kHZ. Bandwidth 80kHZ
Microphone rattle	-129.5dBu, 150 Ohm source -117.3dBqp, 150 Ohm source -132.0dBu, input shorted -122.0dBqp, input shorted
Gain range	±10dB to 60dB
line input	electronically balanced
Bandwidth	10hz to 60khz±3db
Distortion	0.01%at +4dbu, 1khz. bandwidth 80Khz
Line gain range	+10dbu to 4dbu
Equal	
High pitch	12KHZ +/-15dB
Tenor	2.5kHz+/-15dB
Bass	80Hz+/-15dB
Primary output	
Maximum output	+22dBu balanced
Secondary export	+22dBu unbalanced
Monitored output	+22dBu unbalanced
SNR	+112dB, all channels at Unity Gain
Electric power source	
Voltage	AC-90V-240V 50Hz/60Hz

All parameters and specifications are subject to change without notice.

Ultra Low Noise 8/12/16 Channels Multipurpose Mixer

▲Equipped with gilded XLRs and balanced Line input interface

▲Ultra Low Noise Separation Preamplifier, with +48V Mirage Power Supply

▲Robust monitoring capabilities to provide greater dynamic coverage

▲Balanced signal input to the highest complete signal

▲All mono channels with peak LED lights

▲Each channel comes with an auxiliary send, connect external effects and monitors.

▲Built-in multilevel digital effects

▲Main channel hybrid output and recording output

▲High-precision 10-bar bar meter display

▲Single Primary Channel Hybrid Output

▲Has two marshalling channels

Safety Instructions

Warning: To reduce the risk of electric shock, do not cover items around the product.

Do not open the product without permission.



Warning: To reduce the risk of fire or electric shock,
do not expose this equipment to rain or moisture.



Symbolic warning. Voltage may reach dangerous level and there is danger of electric shock



Symbolic warning. Alert you to an incorrect operation. Please read the instructions