



# **PROFESSIONAL MIXER**

**Instruction Manual**



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## **Welcome**

Thank you for purchasing this professional mixer! For the best results and the satisfaction from your new unit, please read this manual thoroughly, and retain it for future reference.

## ATTENTION

To avoid the possibility of malfunction/ damage to the product, damage to data, or damage to other property, Please follow the points as below.

### Operation and maintenance

- Do not use the device in the vicinity of a TV, radio, stereo equipment, mobile phone, or other electric devices. Otherwise, the device, TV, or radio may generate noise.
- In order to prevent the possibility of panel disfiguration, unstable operation, or damage to the internal components. Do not expose the device to excessive dust or vibration, or extreme cold or heat (such as in direct sunlight, near a heater, or in a car during the day).
- Do not place vinyl, plastic or rubber objects on the device, since this might discolor the panel.
- When cleaning the device, use a dry and soft cloth. Do not use paint thinners, solvents, cleaning fluids, or chemical impregnated wiping cloths.
- Condensation can occur in the device due to rapid, drastic changes in ambient temperature when the device is moved from one location to another, or air conditioner is turned on or off. For example, using the device while condensation is present can cause damage. If there is reason to believe that condensation might have occurred, leave the device for several hours without turning on the power until the condensation has completely dried out.
- Avoid setting all controls to their maximum. Depending on the condition of the connected devices, doing so may cause feedback and may damage the speakers.
- When turning on the power in your audio system, always turn on the power amplifier LAST, to avoid speaker damage. When turning the power off, the power amplifier should be turned off FIRST for the same reason.

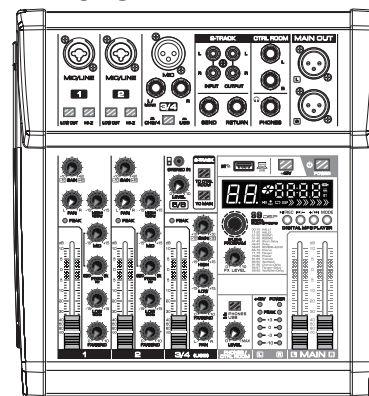
### Precautions when using the USB 2.0 and 5V DC terminals

When connecting the USB2.0 connector to computer, please must abide by following points.

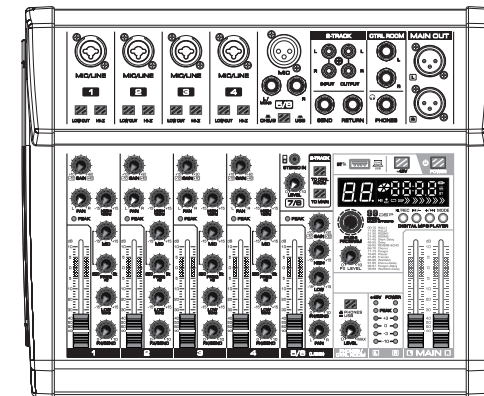
If not, it may cause computer crash, breakdown, or losing data. If the computer or mixer crash, please restart the application software or computer operating system, or disconnect the mixer, then power on again.

- Use an USB cable. USB 3.0 cable cannot be used.
- Before connecting the computer to the USB 2.0 terminal, exit from any power-saving mode of the computer(such as suspend, sleep, standby).

## 6 CHANNEL



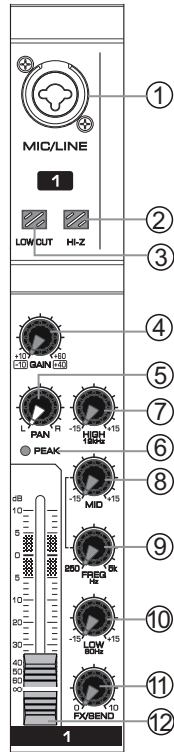
## 8 CHANNEL



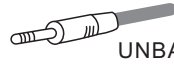
### SYSTEM FEATURES

- 6/8 input channels mixer
- Built-in Bluetooth, connect with mobilephone or other bluetooth player
- Built-in MP3 player to play music in multiple formats and record, with LED display
- Connect USB to PC to play/record
- Preset 99 digital effects
- MID equalizing control, has freq. sweeping to make it more professional
- Independent 3.5mm stereo input, flexible connectivity for a variety of external devices
- Has LOW CUT and HI-Z control, make the use of MIC/LINE channels more professional and widespread
- CTRL/Phones outputs, provides maximum audio monitoring flexibility
- Rugged metal chassis and exquisite panel on two sides
- DC 5V power supply, or PC power supply

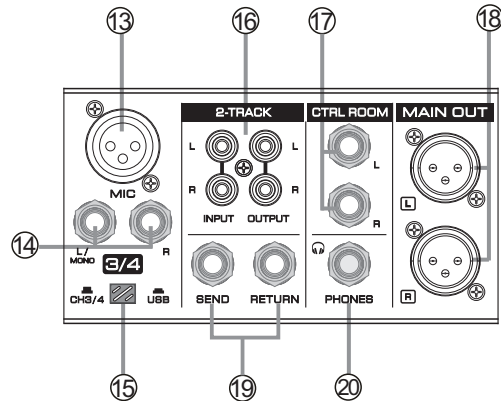
## CHANNEL INPUT, OUTPUT AND MAIN CONTROL



1. **[MIC/LINE]** Mono input, connect the microphone, musical instrument or audio device (CD player and so on) to the device. The sockets are supporting both XLR and UNBALANCED 1/4" PLUG.



2. **[HI-Z]** Button, for converting the different input source. Press down this switch to connect with a high impedance audio source, such as electric guitar or bass. When the switch is bounce up, it connect with XLR microphone or 1/4" low impedance audio device.
3. **[LOW CUT]** Button, press it down to cut down the frequency under 100Hz.
4. **[GAIN]** Controller, determines the basic volume of each channel, adjust them for the maximum volume performance, when the volume gets too loud, the **[PEAK]** LED indicator light will keep flashing.
5. **[PAN]** Controller, determines the position of channel signal within the stereo image. When working with subgroups, you can use the PAN controller to assign the signal to just one output, which gives you additional flexibility in recording situations.
6. **[PEAK]** LED indicator light, when the volume of input signal or volume after adjusting equalizer is too high, the LED indicator light will keep flashing, please rotate the **[GAIN]** controller counterclockwise to turn down the volume.
7. **[HIGH]** Treble tone controller, adjust to enhance or attenuate for 15dB at 12KHz.
8. **[MID]** Alto tone controller, adjust to enhance or attenuate for 15dB at 2.5KHz.
9. **[FREQ]** Controller, use to adjust the MID frequency from 250Hz to 5kHz (The MID frequency is 2.5kHz when setting the controller at the center position).
10. **[LOW]** Bass tone controller, adjust to enhance or attenuate for 15dB at 80Hz.
11. **[FX/SEND]** Controller, adjust the signal level from the channel to the reverberation line. Please note, the signal level will vary with the different settings of the channel attenuator. If using the stereo channel, will mix the signals from L and R channels, then, send it to the reverberation line.
12. **[CHANNEL]** Fader, used to adjust the level of the channel signal, and adjust the balance between the various channels.



13. **[MIC]** Input, use this socket to connect the microphone of BALANCED XLR PLUG.
14. **[UNBAL]** Stereo input, for connecting to line-level device (e.g. electric keyboard) via 6.35 plugs, if only connect to L (MONO) jack, the mixer will send out the same mono signal to L and R outputs.
15. This is a converting switch, when it is bounced up, the input signal is from the "stereo channel" Press it down, the input signal is from USB.
16. **[2-TRACK]** RCA Input and output, connect the audio source to the input, output signal to DAT, MD or hard disk recording system, or receive the return information of these devices, use with the "TO CTRL ROOM" and "TO MAIN" switches, can achieve a simple group output function.

17. **[CTRL ROOM]** Output, connect the audio devices in the monitor room to monitor the audio effect.
18. **[MAIN OUT]** Output, connect the active speaker or amplifier.
19. **[SEND&RETURN]** Jacks, when using the **[SEND]** output jack separately, it can connect with power amplifier to monitor signal. When using the **[RETURN]** input jack separately, it can connect with audio source. When using two jacks together, they can connect with external audio processor.
20. **[PHONES]** Jack, connect with 6.35mm earphones, it is supporting stereo phone plug.
21. **[STEREO IN]** 3.5mm input, flexible connectivity for a variety of external audio devices.
22. **[LEVEL]** Controller, adjust to balance the volume of each channel.

### 23. Signal Distribution Switch for 2-TRACK

- a. When the "TO CTRL ROOM" switch is pressed down, the input signal of 2-TRACK is distributed to the output of CTRL ROOM to monitor after recording.
- b. When the "TO MAIN" switch is pressed down, the input signal of 2-TRACK is distributed to the MAIN OUT, used as an additional input of tape source, MIDI instruments, or other signal sources that do not require processing.

24. **[USB]** Port, used by U-Disk or computer software for playing and recording.

25. **[+48V PHANTOM]** Button, when the button is turned on, provide DC+48V phantom power to XLR plug on MIC/LINE mono input. Please turn on this button when using the condenser microphone which is powered by a phantom power.

26. **[POWER]** Button, power on/off the mixer.

### 27. [MP3 FUNCTION INTRODUCTION]

#### 1). BLUETOOTH CONNECTION

- a. Press the "MODE" button in order to select the Bluetooth mode, after the success of selection the Bluetooth icon on display is flashing, and display BT.
- b. Open the Bluetooth for pairing, after the success of pairing, there will be a sound prompt.

#### 2). BUTTON FUNCTION

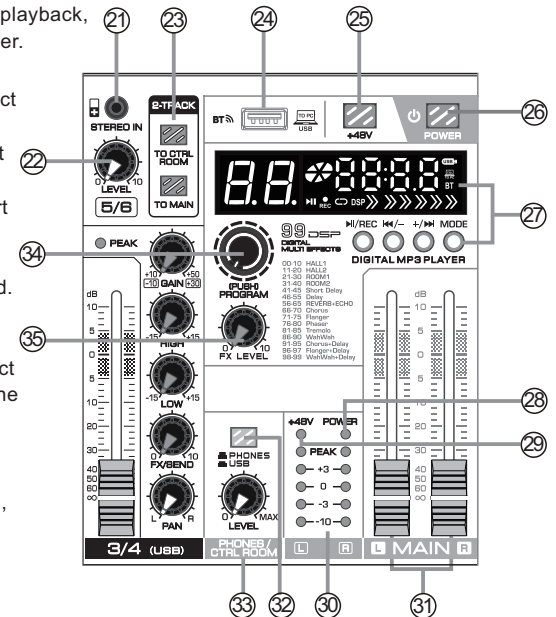
- a. "MI/REC" button, under the state of U-Disk / Bluetooth / PC playing, short press this button to play or pause. Under the state of U-Disk playing, long press this button to begin recording, then long press again to exit the recording to continue the U-Disk playing.
- b. "◀/-" button, short press to play the previous song, long press to reduce the input volume.
- c. "+/▶" button, short press to play the next song, long press to increase the input volume.
- d. "MODE" button short press to convert USB, BT, REC state in order. Under the state of U-Disk playing, long press this button to loop playback, then long press again to play all in order.

#### 3). USB RECORDING OPERATION

- a. Short Press the "MODE" button to select the REC state.
- b. Long Press the "MI/REC" button to start recording, the LED screen shows the recording time. During recording, short press this button to pause/resume the recording, Long press to exit the recording and play the recorded sound.
- c. Press the "MODE" button back out the recording.

4). **Computer sound card:** when connect the computer data cable, it will enter the PC playing states automatically (The computer will install the driver automatically at the first connection, need to wait until the installation finish, to play or record).

28. **[POWER]** Indicator, it will light up when the mixer's power is on.

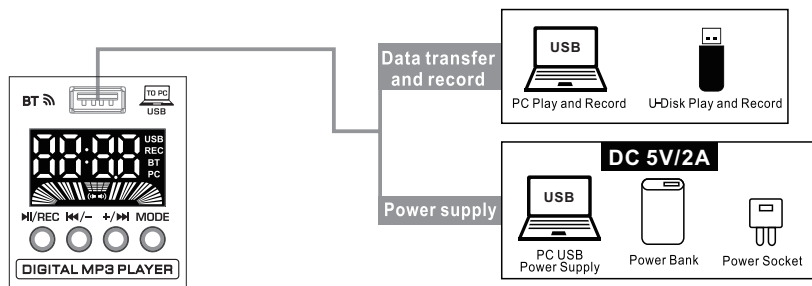


29. **[+48V]** Indicator, it will light up when the +48V power is ON.
30. **[LEVEL INDICATORS]** Show the signal level from [MAIN OUT]. Adjust the [CHANNEL] fader or [LEVEL] controller to lower the level if [PEAK] indicator light up in RED.
31. **[MAIN L-R]** Fader, control the output level of MAIN OUT L and R.
32. This is a converting switch for PHONES out, when the switch is bounced up, output the overall sound in PHONES jack. Press it down to output the USB/PC route only.
33. **[PHONES/CTRL ROOM]** controller, control the volume of earphones or CTRL ROOM outputs.
34. **[PROGRAM]** Controller, select from 99 preset effects by turning this controller, the selected effect number will show on display and flash, push the controller to confirm for using. Or, if without pushing to confirm, the effect number will flash for around 5 seconds and exit the setting state for using directly.
35. **[FX LEVEL]** Controller, control the effect input signal level.

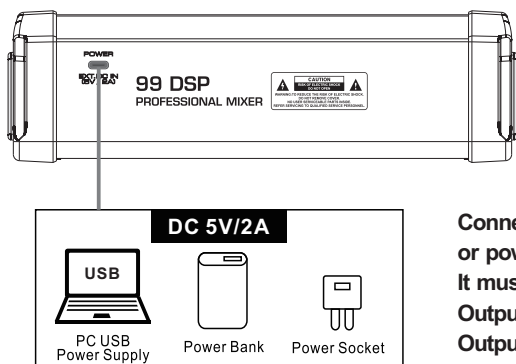
## DIGITAL 32 48 99 DSP

|                          |                          |                            |
|--------------------------|--------------------------|----------------------------|
| <b>00-10 HALLO1</b>      | <b>46-55 Delay</b>       | <b>81-85 Tremolo</b>       |
| <b>11-20 HALLO2</b>      | <b>56-65 REVERB+ECHO</b> | <b>86-90 WahWah</b>        |
| <b>21-30 ROOM01</b>      | <b>66-70 Chorus</b>      | <b>91-95 Chorus+Delay</b>  |
| <b>31-40 ROOM02</b>      | <b>71-75 Flanger</b>     | <b>96-97 Flanger+Delay</b> |
| <b>41-45 Short Delay</b> | <b>76-80 Phaser</b>      | <b>98-99 WahWah+Delay</b>  |

## USB FOR DATA TRANSFER AND RECORD, AND POWER SUPPLY



## USB FOR POWER SUPPLY ONLY



Connected with PC USB port, Power bank or power socket to supply power to mixer.  
It must meet the following requirements:  
Output voltage: 4. 8V to 5. 2V  
Output current: 2A or even more

## GENERAL SPECIFICATIONS

|                           |                | 6 CH   | 8 CH                                 |
|---------------------------|----------------|--|--------------------------------------|
| Frequency Response        |                | 20Hz-20KHz $\pm$ 1dB+4dB $\mu$ @1KHz   |                                      |
| Total Harmonic Distortion |                | <0.5% @+4dB $\mu$ (22Hz-22KHz)   |                                      |
| Input Channels            | MIC/LINE       | 2 (Combo jack) + 1 (XLR)   | 4 (Combo jack) + 1 (XLR)             |
|                           | STEREO         | 1(3/4, 6.35 Jack) + 1(5/6, 3.5 Jack)   | 1(5/6, 6.35 Jack) + 1(7/8, 3.5 Jack) |
|                           | MP3            | 1  | 1                                    |
|                           | USB Sound card | 2.0 Type-A   | 2.0 Type-A                           |
|                           | Bluetooth      | 1  | 1                                    |
| Output Channels           | CONTROL ROOM   | L/R (6.35 Jack)  | L/R (6.35 Jack)                      |
|                           | PHONES         | 1 (6.35 Jack)  | 1 (6.35 Jack)                        |
|                           | MAIN OUT       | L/R (XLR Jack)   | L/R (XLR Jack)                       |
| Auxiliary                 | 2-TRACK (RCA)  | L/R (IN & OUT)   | L/R (IN & OUT)                       |
|                           | SEND           | 1 (6.35 Jack)  | 1 (6.35 Jack)                        |
|                           | RETURN         | 1 (6.35 Jack)  | 1 (6.35 Jack)                        |
| Input Channel Function    | EQ             | HIGH: $\pm$ 15dB, Frequency: 12KHz shelving<br>MID: $\pm$ 15dB, Frequency: 2.5KHz shelving (FREQ. sweeping from 250K to 5K)<br>LOW: $\pm$ 15dB, Frequency: 80KH shelving |                                      |
|                           | PEAK           | LED turns on when the signal is too high   |                                      |
| Level Meter               |                | 2x5-segment LED meter (PEAK, +3, 0, -3, -10)   |                                      |
| Effects                   |                | 99 DSP (Hall, Room, Reverb and so on)  |                                      |
| Phantom Power Voltage     |                | +48V DC  |                                      |
| Power Input               |                | EXT. DC IN: 5V-2A/Type-C   |                                      |
| Power Consumption         |                | 5W   | 7W                                   |

**FCC Warning:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**Caution:** Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.

## ISED Statement

- English: This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

- French: Cet appareil contient des émetteurs/récepteurs exempts de licence qui sont conformes aux CNR exempts de licence d'Innovation, Sciences et Développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes :

(1) Cet appareil ne doit pas causer d'interférences.

(2) Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.

This device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

cet appareil est conforme à l'exemption des limites d'évaluation courante dans la section 2.5 du cnr - 102 et conformité avec rss 102 de l'exposition aux rf, les utilisateurs peuvent obtenir des données canadiennes sur l'exposition aux champs rf et la conformité.

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 0cm between the radiator & your body.

Cet équipement est conforme Canada limites d'exposition aux radiations dans un environnement non contrôlé.

Cet équipement doit être installé et utilisé avec une distance minimale de 0 cm entre le radiateur et votre corps.