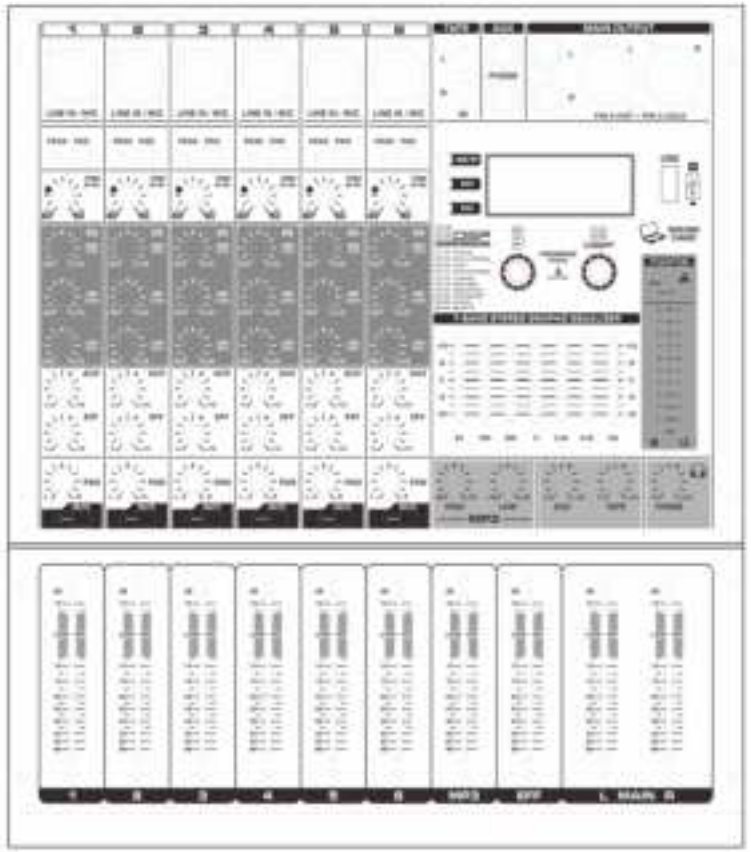
User Manual

PROFESSIONAL MIXER SERIES

TF SERIES



PROFESSIONAL MIXER SERIES

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Instruction manual for professional mixer

OPERATING INSTRUCTIONS

MATTERS NEEDING ATTENTION

— Safe operation instruction —

⚠WARN

Install

- This AC power adaptor can only be plugged into an AC power socket of the specifications specified in this user manual or shown on this adaptor. Failure to do so may result in fire or electric shock.
- Do not allow water to enter the device or make it damp. Failure to do so may result in fire or electric shock.
- Do not place containers containing liquids or small metal objects on this device. Otherwise, liquid or small metal objects falling into the device may cause fire or electric shock.
- Do not press heavy objects (including this device) on the power cord. Otherwise, the power cord may be damaged, which may lead to fire or electric shock. In particular, do not put heavy objects on the power cord covered by the carpet.

Controls

- Do not scratch, bend, twist, stretch or heat the power cord. Otherwise, the power cord may be damaged, which may lead to fire or electric shock.
- Do not open the cover of the device. Failure to do so may result in electric shock. If you think the inverter needs repair, maintenance or repair, please contact the distributor.
- Please do not modify the device without authorization. Failure to do so may result in fire or electric shock.
- If lightning strikes, please turn off the power switch of the device as soon as possible and pull out the power plug.
- When lightning occurs, do not touch the power plug while plugged. Failure to do so may result in electric shock.

When an exception occurs during operation

- If the power cable is damaged (for example, the cable is broken or the core cable is exposed), please obtain a replacement from the dealer. Continued use of this device with a damaged power cord may result in fire or electric shock.
- If the AC adaptor falls from a height or the housing is damaged, turn off the power switch immediately, pull out the power plug from the AC power socket, and contact the dealer. If you continue to use this device, it may cause fire or electric shock.
- When you find any abnormal, such as smoke, odor, noise, foreign matter, liquid into the device, please turn off the power switch immediately. Remove the power plug from the AC power socket. Please ageut dealer for repair. Continued use may result in fire or electric shock.

⚠ATTENTION

Install

- Please avoid using this device in the following situations:
  - Exposure to splashing oil and steam, such as near kitchen stoves, humidifiers, etc.
  - Unstable surfaces, such as wobbly tables or bevels.
  - Exposure to excessive heat, such as inside a car with Windows closed or in direct sunlight.
  - Places that are exposed to high humidity or dust accumulation.
- Hold the plug part when removing the power plug from the AC power outlet. Do not pull the cable directly. Otherwise, the power cord may be damaged, which may lead to fire or electric shock.
- Do not touch the power plug with wet hands. Failure to do so may result in electric shock.
- To move the device, first unplug the power from the AC power outlet and unplug all connecting cables. Otherwise, the cable may be damaged, which can lead to fire or electric shock.

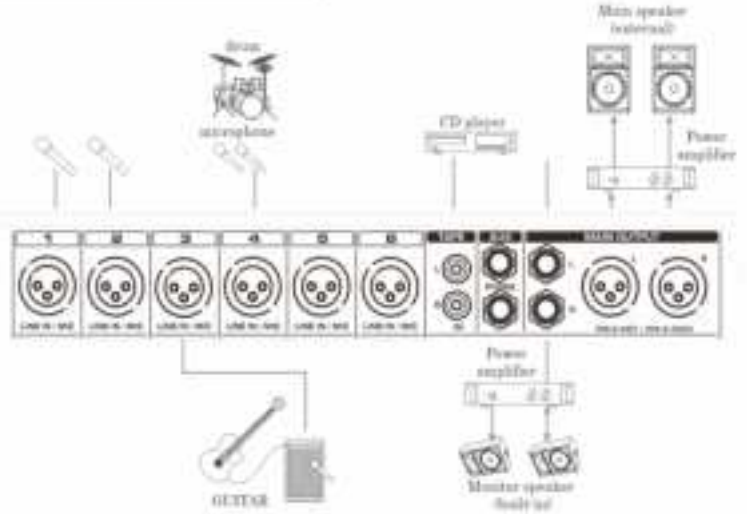
Install

- Do not cover or wrap the AC power adaptor with cloth or blanket. Otherwise, heat can build up in the cloth or blanket, melting the adaptor housing or causing a fire. Only use in a well-ventilated environment.
- If you are not going to use the device for a long time, such as going on vacation, please remove the power plug from the AC power socket. Otherwise it could lead to a fire.

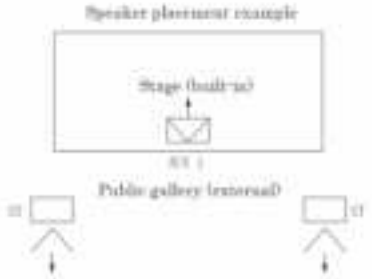
⚠
- When the mixer is not in use or lightning is occurring in the area, be sure to remove the power plug from the power socket.
- To avoid unnecessary noise, keep enough distance between the power amplifier and the mixer.

CONNECTION AND INSTALLATION

Connection and installation



Speaker placement example



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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

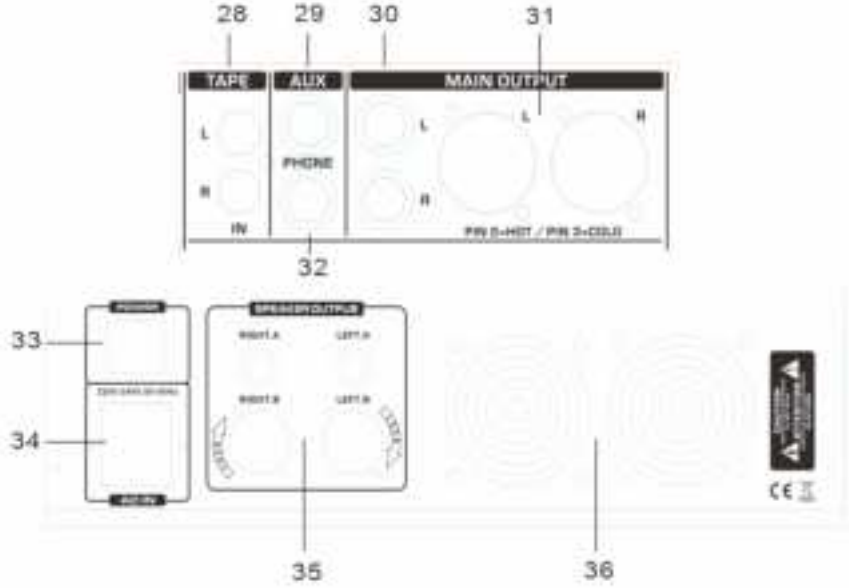
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

INPUT/OUTPUT PART

Input/output part



28.TAPE stereo lotus input interface

29.AUX auxiliary output interface

30.MAIN Main output 6.3 Output Interface

31.MAIN Main output XLR balanced output interface

32. Monitor the earphone output interface

33. Power switch

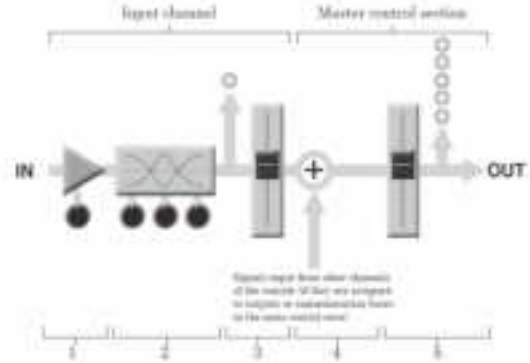
34. Power socket with fuse

35. Speaker Canon output interface

36. Cooling fan

Get the best out of the mixer

Simplified mixing console block diagram



When the signal enters the box after the direction

■ Input channel

1. Preamplifier
The first stage of any mixer workflow usually has significant "gain" or "amplification" features only at that stage. The preamplifier has a "gain" control function to adjust the input sensitivity of the mixer to match the signal source level. Weak signals (such as microphone signals) are amplified and larger signals are weakened.

2. Equalizer
The equalizer may simply be a low or high frequency controller, or a fully formed four-band parametric equalizer. When enhanced, the EQ stage also has a gain function. The actual input channel can be overloaded by applying excessive EQ enhancement. A weakening is usually more effective than an enhancement.

3. Channel peak indicator and attenuator
The channel peak indicator is the most useful tool when setting the input gain control to get the best results. Note that it comes after the preamp and EQ.

4. Adding amplifier
This is where the mixer really works. All the signals entered from the various input channels of the mixer are "added" (mixed) here.

5. Main attenuator and level meter
A stereo, mono channel, or communication bus master attenuator and mixer master output level meter. Several main attenuators may be configured depending on the specific design of the mixer, such as depending on the communication bus or number of outputs provided.

Steps for level setting for best results

1. First set all level controls to the minimum: main attenuator, group attenuator (if any), channel attenuator and input gain control. It is also confirmed that no EQ(enhancement or weakening) is performed, and all effectors and dynamic processors in the system are turned off or bypassed.

2. Load one source signal into one channel at a time: audition, play and play at the desired maximum level. Gradually increase the input gain as the signal is loaded into the appropriate channel until the peak indicator begins to blink, then dial back a little to the point where the peak indicator flashes only occasionally. Repeat the preceding steps for channels that are not open.

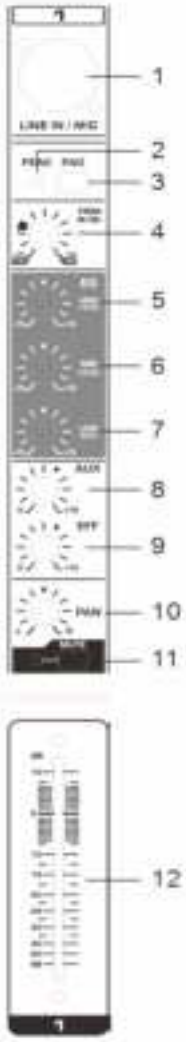
3. Raise the main attenuator and group attenuator (if any) to the nominal level (i.e. the "0" mark on the attenuator scale).

4. Now load all signal sources simultaneously, turn up the channel attenuator, and set the initial mixing level.

The above are all basic operations. When setting the mix, the eye must look at the main output level meter to avoid staying in the peak area. If the output level meter stays at the peak, the channel attenuator must be lowered until the overall playback track falls within a good range, depending on the specific track material being played.

CHANNEL CONTROL SECTION

Channel control section



1. MIC input interface
   Balanced XLR input interface for high quality voice play 48V phantom power can also be provided through the button Use capacitive microphone Always turn off the volume fender before activating the phantom power

2. Channel peak indicator
   When the input signal of the channel is too large, the indicator light will shine, and the input volume of the channel should be reduced

3. Channel signal attenuation button
   When the channel peak light shines, the input signal should be attenuated by pressing the attenuating button

4. Channel gain control knob
   Used to control the microphone line input level to achieve channel +10 to 60DB gain boost

5. Channel high frequency adjustment knob
   Control the +-15DB increase or decrease of the channel equalizer high band on 12KHZ

6. Intermediate frequency adjustment knob
   Control the +-15DB increase or decrease of the frequency band on 1.2KHZ in the channel equalizer

7. Channel bass adjustment knob
   Control channel equalizer high band +-15DB increase or decrease at 80HZ

8. AUX send knob
   Controls the level of the signal sent to the auxiliary output bus

9. Effect sending knob
   Controls the level of the signal sent to the built-in effect

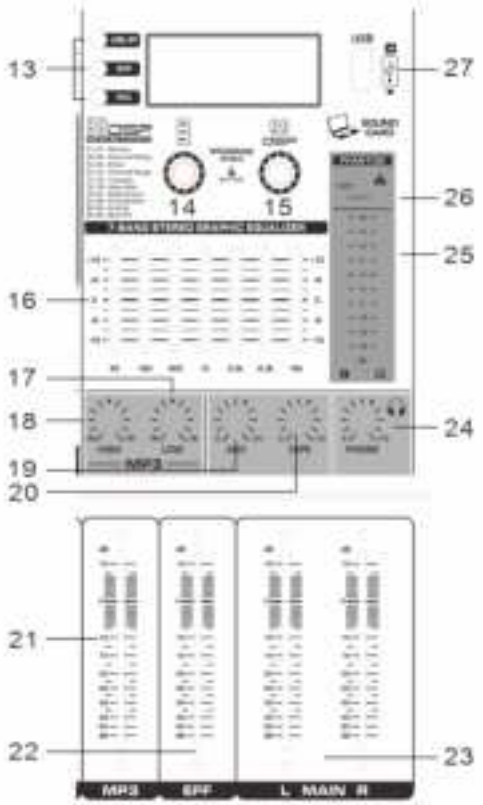
10. PAN sound balance knob
    Control the sound and image balance of the left and right channels in stereo

11. Channel mute button
    Press this key to mute the channel

12. Channel volume attenuation
    Adjust the volume of the bus bar that accesses the sound mixing console

MASTER CONTROL SECTION

Master control section



13. Player operation button
    USB/BT key: Long press this key to switch between MP3 playback and Bluetooth playback
    REP key: In the MP3 playing state, press to switch the track playing mode
    REC key: Long press this key to automatically enter the recording when the USB flash drive is inserted
    After recording, press and hold to exit. Press to play the recording file automatically

14. Player control knob
    (clockwise) Next
    (Turn counterclockwise) Last one
    Press (play, pause) function

15. Effect mode selection knob
    Turn the Mode selection knob to select an effect number
    The blinking number on the monitor shows the preset program that has just been selected
    To confirm the selected preset program, press the knob to stop blinking at this point

16. 7 stage equalization regulator
    Provides +-12DB gain in 7 bands
    Appropriate adjustment parameters can satisfy different sound reinforcement requirements

17. The player bass adjustment
    Control the +-12DB increase or decrease of the channel equalizer high band at 100HZ

18. Player treble adjustment
    Control the +-12DB increase or decrease of the channel equalizer high band on 12KHZ

19. Auxiliary output level adjustment
    Control the auxiliary AUX volume to the total volume of the auxiliary output interface

20. TAPE stereo input level adjustment
    This knob adjusts the stereo listen input volume

21. USB channel volume fader
    Adjust the volume of the USB audio player

22. Effect volume fader
    Adjust the effect mixer master volume

23. MAIN Main output volume fader
    Adjust the fader to bring the main output level to an ideal state

24. Headphones monitor volume knob
    Use this knob to adjust the volume of the monitor headset

25. MAIN Main output volume level indicator
    LED level indicator can accurately indicate
    The output signal size of the mixer should be properly controlled when the red light is on
    Console volume to avoid damage to equipment

26. 48V Phantom power switch
    Press this switch to supply 48V power to the channel balancing port

27. USB port
    This interface is used to connect the USB flash drive to the computer