TFCFL Professional 8 Channel Mixing Console Audio Mixer

Professional 8 Channel Mixing Console Audio Mixer User Manual

Model: Professional 8 Channel Mixing Console Audio Mixer

Brand: TFCFL

1. Introduction

This user manual provides comprehensive instructions for the TFCFL Professional 8 Channel Mixing Console Audio Mixer. Designed for studio and live sound applications, this mixer offers high-quality audio processing, versatile connectivity, and user-friendly controls. Please read this manual thoroughly before operating the device to ensure proper use and optimal performance.

2. Safety Information

To prevent electric shock, fire, or damage to the unit, please observe the following safety precautions:

- Do not expose this unit to rain or moisture.
- Do not remove the cover. There are no user-serviceable parts inside. Refer all servicing to qualified personnel.
- Ensure the power supply voltage matches the requirements specified on the unit.
- Always disconnect the power cord before cleaning or when not in use for extended periods.
- Avoid placing the unit near heat sources or in direct sunlight.
- Do not block ventilation openings.

3. Package Contents

Verify that all items are included in your package:

- TFCFL 8 Channel Mixing Console Audio Mixer
- Power Adapter (AC 110V)
- User Manual



Figure 3.1: Package Contents - Mixer, Power Adapter, and User Manual.

4. Product Overview

The TFCFL 8 Channel Mixing Console features a robust design with metal jacks, gold-plated XLRs, and sealed pots for durability and high-quality performance. It includes 8 input channels, a built-in MP3 player with Bluetooth connectivity, and comprehensive control options for professional audio mixing.



Figure 4.1: Front Panel Layout of the Mixing Console.

Key Features:

- 8-channel input for versatile audio sources.
- Built-in Bluetooth and USB/MP3 player for convenient audio playback.
- Electronically balanced XLR outputs with +26dBu drive capability.
- Preamp +34dBu maximum input capability for mic or line.
- Responsive 3-band EQ on each channel for precise tone shaping.
- Headphones and local monitor outputs for flexible monitoring.
- Ultra-low noise mix head amp design for clear audio.
- 48V Phantom Power for condenser microphones.



Figure 4.2: Detail of the USB/MP3 Player and Bluetooth Module.



Figure 4.3: Channel Faders and EQ Controls.

5. Setup

5.1 Power Connection

Connect the provided power adapter to the "INPUT" port on the rear of the mixing console and then plug it into a standard AC 110V power outlet. Ensure the power switch is in the OFF position before connecting.

5.2 Connecting Audio Sources

The mixer supports various audio inputs:

- **Microphones:** Connect microphones to the XLR inputs (MIC) on channels 1-8. For condenser microphones, activate the 48V Phantom Power switch.
- **Line-Level Devices:** Connect instruments (keyboards, guitars with preamps) or other line-level devices to the 1/4" TRS/TS LINE inputs on channels 1-8.
- **Stereo Inputs:** Use the stereo RCA inputs for devices like CD players or external media players.
- **USB/MP3:** Insert a USB flash drive into the USB port for MP3 playback.



Figure 5.1: Typical Setup with Various Audio Devices.

5.3 Connecting Outputs

- **Main Output:** Connect the L MAIN OUT R XLR outputs to your main speakers or amplifier.
- **Control Room Output:** Use the CTRL ROOM outputs to connect to studio monitors.
- **Headphones:** Plug your headphones into the PHONES jack for personal monitoring.

6. Operating Instructions

6.1 Basic Mixing

Each channel on the mixer features controls for gain, 3-band EQ (High, Mid, Low), AUX send, FX send, Pan, and a channel fader. Adjust these controls to achieve your desired sound balance.

- **GAIN:** Adjusts the input sensitivity for each channel. Set this to an appropriate level to avoid clipping.
- **EQ (High, Mid, Low):** Use these knobs to boost or cut frequencies for tone shaping.
- **FX:** Controls the amount of signal sent to the internal effects processor.
- **PAN:** Adjusts the stereo position of the channel's signal (left to right).
- **Channel Fader:** Controls the overall volume of the individual channel in the main mix.
- **MAIN L/R Faders:** Control the overall volume of the main stereo output.

6.2 Bluetooth Operation

To connect a Bluetooth device:

1. Press the "MODE" button on the MP3 player section until "Bluetooth" is displayed.
2. Enable Bluetooth on your mobile device and search for available devices.
3. Select the mixer (usually named "BT-AUDIO" or similar) from the list to pair.
4. Once connected, you can play audio from your device through the mixer.

Figure 6.1: Bluetooth Connectivity.

6.3 USB/MP3 Playback

Insert a USB flash drive containing MP3 files into the USB port. The mixer will automatically detect and begin playing the files. Use the controls on the MP3 player section (Play/Pause, Skip Tracks) to navigate your music.

6.4 Phantom Power (48V)

The mixer provides 48V phantom power for condenser microphones. Activate the PHANTOM POWER switch only when using condenser microphones that require it. Ensure all connections are made before activating phantom power to prevent damage to equipment.

6.5 Effects

The mixer includes built-in digital effects. Use the FX send knobs on individual channels to send signal to the effects processor. Adjust the main FX return level to control the overall effect amount in the mix.

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Video 6.1: Demonstration of the mixing console's controls and features, including fader adjustments, EQ, and effects.

7. Maintenance

Regular maintenance ensures the longevity and optimal performance of your mixing console:

- **Cleaning:** Use a soft, dry cloth to clean the surface of the mixer. Do not use liquid cleaners or aerosols.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.
- **Dust Protection:** When not in use, cover the mixer to prevent dust accumulation, which can affect faders and knobs.

8. Troubleshooting

If you encounter issues with your mixing console, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound output	Power not connected or switched on. Main faders or channel faders are down. Incorrect input/output connections. Speakers/amplifier not powered on or connected.	Check power supply and switch. Raise main and channel faders. Verify all audio cables are correctly connected. Ensure external audio equipment is powered and connected.
Distorted audio	Input gain too high. Output level too high. Damaged cables.	Reduce input GAIN on channels. Lower MAIN L/R faders. Replace suspect cables.
Bluetooth not connecting	Mixer not in Bluetooth mode. Device too far from mixer. Interference.	Press MODE button to select Bluetooth. Move device closer to the mixer. Turn off other wireless devices nearby.

9. Specifications

Feature	Detail
Brand	TFCFL
Number of Channels	8
Connectivity Technology	XLR, USB, Aux, Bluetooth
Power Source	Corded Electric (AC 110V)
Item Weight	11.66 pounds (5.3 Kilograms)
Product Dimensions	15.75"D x 13.4"W x 1.46"H (40cm x 34cm x 3.7cm)
Country of Origin	China

Figure 9.1: Product Dimensions.

10. Warranty and Support

For warranty information and technical support, please refer to the contact details provided by your retailer or visit the official TFCFL store on Amazon. Keep your purchase receipt as proof of purchase for any warranty claims.
Official TFCFL Store: TFCFL Amazon Store

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