

FULODE CT-60

FULODE CT-60 6 Channel Audio Mixer User Manual

Model: CT-60 | Brand: FULODE

INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your FULODE CT-60 6 Channel Audio Mixer. Please read this manual thoroughly before using the device to ensure proper setup, functionality, and to prevent damage. Keep this manual for future reference.

IMPORTANT SAFETY INSTRUCTIONS

Always follow basic safety precautions when using this product to reduce the risk of fire, electric shock, and injury.

- **Power Source:** Connect the mixer only to a 110V AC power outlet using the provided power adapter.
- **Water and Moisture:** Do not expose this device to rain, moisture, or operate it near water.
- **Ventilation:** Ensure proper ventilation. Do not block any ventilation openings.
- **Heat:** Keep the device away from heat sources such as radiators, heat registers, stoves, or other heat-producing apparatus.
- **Cables:** Protect the power cord from being walked on or pinched.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Phantom Power:** When using +48V phantom power, ensure microphones are compatible and connect them before activating phantom power to prevent damage.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x FULODE CT-60 Audio Mixer

- 1 x User Manual
- 1 x Power Adapter

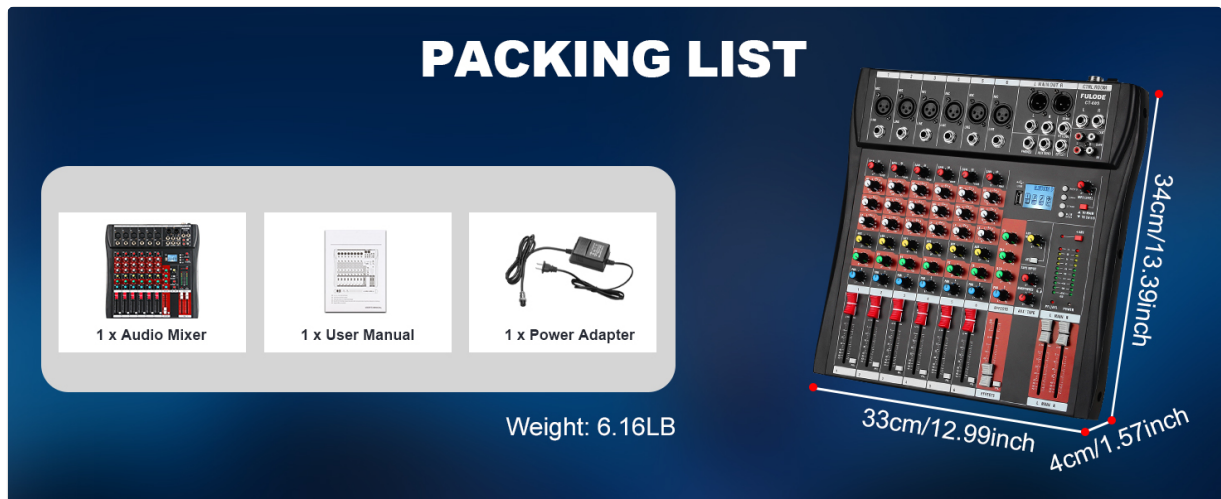


Image: Contents of the FULODE CT-60 package, including the mixer unit, user manual, and power adapter.

PRODUCT FEATURES

The FULODE CT-60 is a professional 6-channel audio mixer designed for versatile audio applications. Key features include:

- **6 Input Channels:** Supports both dynamic and condenser microphones with XLR and 1/4" inputs.
- **+48V Phantom Power:** Provides power for condenser microphones.
- **3-Band EQ:** Independent High, Mid, and Low frequency adjustment for each channel.
- **Bluetooth 5.0 Connectivity:** Wireless audio streaming from compatible devices.
- **USB/MP3 Player:** Direct playback from USB drives and MP3 files.
- **Reverb Effects:** Built-in digital reverb for enhanced sound.
- **LED Peak Indicators:** Visual feedback for signal levels on each channel.
- **10-Segment Stereo Level Meter:** Accurate monitoring of main output levels.
- **Low-Noise Circuitry:** Ensures clean and detailed audio performance.
- **Compact and Durable Design:** Slim profile with robust construction.



Image: Overview of the FULODE CT-60 mixer, illustrating its main features and compact design.

CONTROLS AND FUNCTIONS

Familiarize yourself with the various controls and connection points on your FULODE CT-60 mixer.

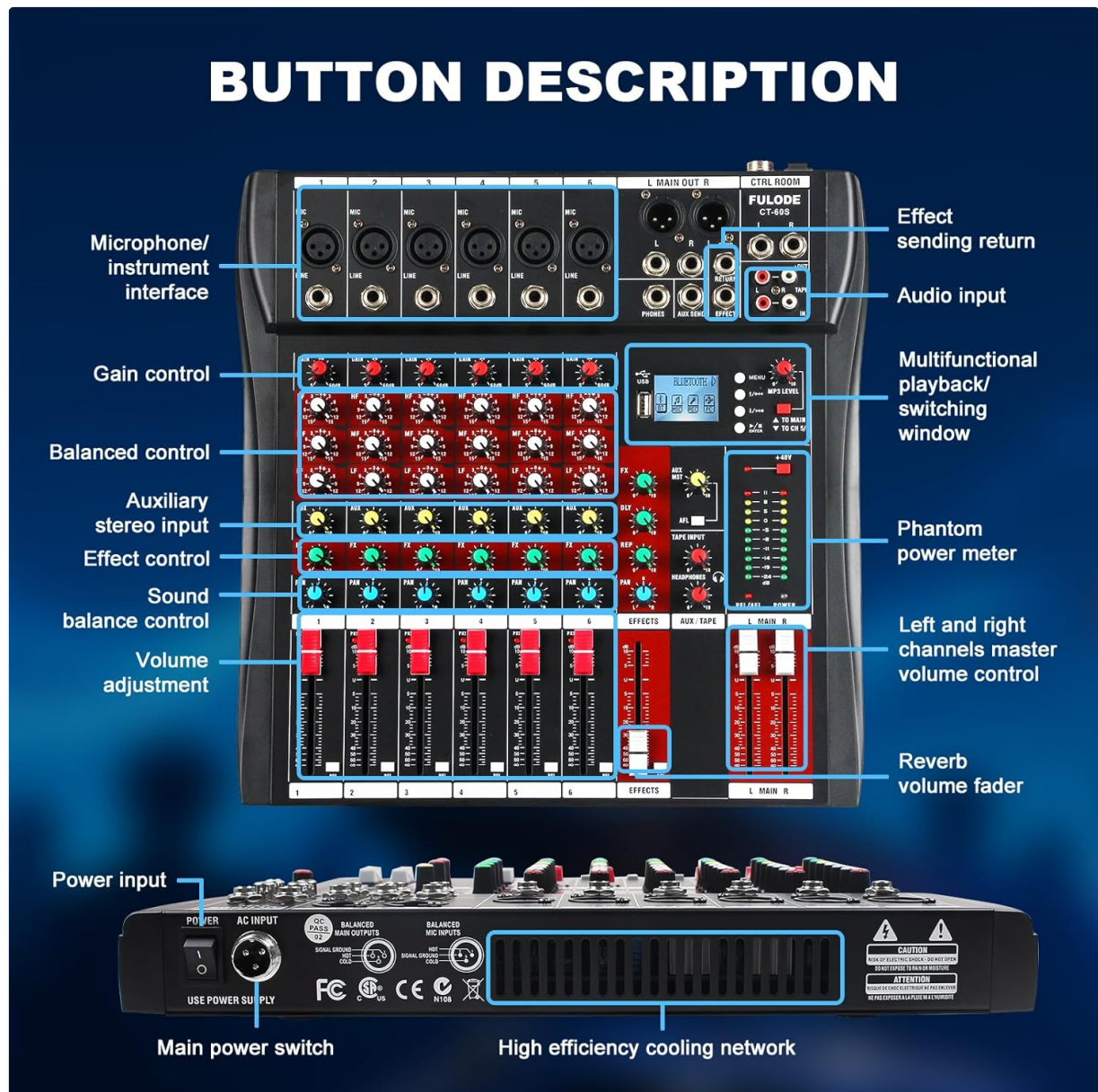


Image: Front and rear panel layout of the FULODE CT-60 mixer with labels for each control and input/output.

Input Channels (1-6)

- **Microphone/Instrument Interface (XLR/1/4" Combo Jack):** Connect microphones or instruments.
- **GAIN Control:** Adjusts the input sensitivity for each channel.
- **EQ (High, Mid, Low):** 3-band equalizer to shape the tone of each input.
- **FX (Effect Send):** Controls the amount of signal sent to the internal effects processor.
- **PAN:** Adjusts the stereo position of the channel.
- **LEVEL Fader:** Controls the output volume of the individual channel.

Master Section

- **+48V PHANTOM Power Button:** Activates phantom power for condenser microphones.
- **MP3 Player/USB Interface:** For connecting USB drives or Bluetooth devices.
- **MAIN OUT (L/R XLR & 1/4" Jacks):** Main stereo output to amplifiers or recording devices.
- **CTRL ROOM (L/R 1/4" Jacks):** Control room monitor outputs.
- **PHONES (1/4" Jack):** Headphone output with dedicated volume control.

- **AUX SEND/RETURN:** For connecting external effects processors.
- **TAPE IN/OUT (RCA):** For connecting external recording or playback devices.
- **EFFECTS Section:** Controls for built-in digital effects.
- **MAIN L/R Faders:** Master volume control for the main stereo output.
- **POWER Input:** Connects to the provided power adapter.
- **Main Power Switch:** Turns the unit on or off.

SETUP GUIDE

Follow these steps to set up your FULODE CT-60 audio mixer:

1. **Power Connection:** Ensure the mixer's power switch is OFF. Connect the provided power adapter to the POWER input on the mixer and then to a 110V AC power outlet.
2. **Connect Output Devices:** Connect your main speakers or amplifier to the **MAIN OUT (L/R)** XLR or 1/4" jacks. For monitor speakers, use the **CTRL ROOM** outputs.
3. **Connect Input Devices:**
 - **Microphones:** Connect microphones to the XLR inputs on channels 1-6.
 - **Instruments:** Connect instruments (e.g., guitar, bass) to the 1/4" inputs on channels 1-6.
 - **External Playback Devices:** Use the **TAPE IN (RCA)** for CD players or other line-level devices.
4. **Headphones:** Connect your headphones to the **PHONES** 1/4" jack.
5. **Initial Settings:** Before powering on, set all channel LEVEL faders and the MAIN L/R faders to their lowest position. Set all GAIN controls to minimum.
6. **Power On:** Turn on the mixer using the Main Power Switch. Then, power on your connected amplifiers or active speakers.



Image: Connectivity diagram illustrating how to connect microphones, instruments, speakers, and other audio devices to the mixer.

OPERATING INSTRUCTIONS

Basic Mixing

1. **Adjust GAIN:** For each active input channel, speak or play into the microphone/instrument. Slowly increase the GAIN control until the channel's PEAK LED flashes only occasionally. This sets the optimal input level.

2. **Set Channel Levels:** Gradually raise the channel LEVEL fader for each input you wish to hear.
3. **Adjust Main Output:** Slowly raise the MAIN L/R faders to achieve the desired overall volume. Monitor the 10-segment stereo level meter to avoid clipping (red LEDs).
4. **Use EQ:** Adjust the HIGH, MID, and LOW controls on each channel to shape the tone. Turn clockwise to boost frequencies, counter-clockwise to cut.
5. **Apply Effects:** Use the FX control on each channel to send signal to the internal effects processor. Adjust the master EFFECTS controls for the desired reverb level.



Image: Detailed view of the 3-band equalizer section, demonstrating independent control for high, mid, and low frequencies on each channel.

Using +48V Phantom Power

The FULODE CT-60 provides +48V phantom power for condenser microphones.

1. **Connect Condenser Microphone:** Ensure the microphone is connected to an XLR input.
2. **Activate Phantom Power:** Press the +48V PHANTOM power button. The indicator light will illuminate.
3. **Deactivate Phantom Power:** Always turn off the +48V PHANTOM power before disconnecting condenser microphones or connecting dynamic microphones.

Caution: Do not activate +48V phantom power when dynamic microphones or other non-phantom powered devices are connected via XLR, as this may cause damage.



Image: Illustration of the +48V phantom power feature, essential for condenser microphones.

BLUETOOTH CONNECTIVITY

The FULODE CT-60 allows wireless audio streaming via Bluetooth 5.0.

1. **Activate Bluetooth:** On the MP3 player section, select the Bluetooth mode. The display will show "BT-Speaker" or similar, indicating it's ready for pairing.
2. **Pair Device:** On your smartphone, tablet, or other Bluetooth-enabled device, search for available Bluetooth devices and select "BT-Speaker".
3. **Confirm Connection:** Once paired, the mixer's display will confirm the connection. You can now stream audio wirelessly to the mixer.
4. **Adjust Volume:** Control the Bluetooth audio level using the dedicated MP3/USB/Bluetooth volume control on the mixer.



Image: Visual guide to connecting devices via USB or Bluetooth, highlighting the "BT-Speaker" pairing name.

USB/MP3 PLAYBACK

Play audio files directly from a USB flash drive.

1. **Insert USB Drive:** Insert a USB flash drive containing MP3 files into the USB port on the mixer.
2. **Select USB Mode:** The mixer should automatically switch to USB mode or allow you to select it via the mode button.
3. **Playback Controls:** Use the integrated controls (Play/Pause, Next/Previous Track) on the MP3 player section to manage playback.
4. **Adjust Volume:** Control the USB audio level using the dedicated MP3/USB/Bluetooth volume control on the mixer.

Note: PC connection is not compatible with MacBook.

MAINTENANCE

To ensure the longevity and optimal performance of your mixer, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the mixer. Do not use liquid cleaners or solvents.
- **Dust Protection:** Keep the mixer covered when not in use to prevent dust accumulation, especially on faders and rotary controls.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.

- **Cable Management:** Avoid bending or crimping cables excessively. Disconnect cables properly by pulling the plug, not the cable itself.

TROUBLESHOOTING

If you encounter issues with your FULODE CT-60 mixer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Power adapter not connected; Power outlet faulty; Mixer power switch off.	Ensure power adapter is securely connected and plugged into a working outlet. Check the mixer's power switch.
No sound output	Main L/R faders are down; Channel LEVEL faders are down; Amplifier/speakers off or disconnected; Incorrect input/output connections.	Increase MAIN L/R faders and individual channel LEVEL faders. Check amplifier/speaker power and connections. Verify all cables are correctly connected.
No microphone sound	GAIN control too low; Channel LEVEL fader too low; Microphone faulty; +48V phantom power not activated for condenser mics.	Increase GAIN and channel LEVEL. Test with another microphone. Activate +48V phantom power if using a condenser mic.
Bluetooth not connecting	Mixer not in Bluetooth mode; Device too far; Interference; Already paired to another device.	Ensure mixer is in Bluetooth mode ("BT-Speaker"). Move device closer. Disconnect from other Bluetooth devices. Try restarting both mixer and device.
Distorted sound	GAIN or LEVEL too high; Input signal too strong; Amplifier/speakers clipping.	Reduce GAIN and channel LEVEL controls. Monitor PEAK LEDs and main level meter to avoid red indicators. Reduce volume on connected amplifier/speakers.

SPECIFICATIONS

Technical specifications for the FULODE CT-60 6 Channel Audio Mixer:

Feature	Detail
Brand	FULODE
Model Number	CT-60
Number of Channels	6
Product Dimensions (D x W x H)	13.4"D x 13"W x 1.57"H
Connectivity Technology	Bluetooth, USB
Power Source	Corded Electric
Output Connector Type	6.35mm Jack, XLR

Feature	Detail
Audio Input	XLR
Voltage	110 Volts (AC)

WARRANTY AND SUPPORT

Your FULODE CT-60 Audio Mixer comes with a warranty to cover manufacturing defects.

- **Warranty Period:** 360 days from the date of purchase.
- **Warranty Coverage:** This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or improper installation.
- **Customer Support:** For technical assistance, warranty claims, or service inquiries, please contact FULODE customer support through the retailer where the product was purchased or visit the official FULODE website for contact information.

Please retain your proof of purchase for warranty validation.