



Manuals.plus /

› WEYMIC /

› WEYMIC CT-60 Professional 6-Channel Mixer User Manual

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WEYMIC CT-60 Professional 6-Channel Mixer User Manual

Model: CT-60

1. INTRODUCTION

Thank you for purchasing the WEYMIC CT-60 Professional 6-Channel Mixer. This device is designed for various audio applications including recording, DJ performances, stage events, and karaoke. It features a low-noise, high-precision preamplifier, USB input for computer recording, Bluetooth connectivity, XLR microphone jacks, 48V phantom power, and RCA outputs. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance and longevity of your mixer.

2. IMPORTANT SAFETY INSTRUCTIONS

- Read all instructions carefully before operating the device.
- Keep this manual for future reference.
- Do not expose this equipment to rain or moisture.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- Ensure the power supply voltage matches the requirements specified on the unit.
- Do not operate the unit with a damaged power cord or plug.

3. PRODUCT OVERVIEW

The WEYMIC CT-60 is a compact yet powerful 6-channel mixer designed for versatility and ease of use. Below is an overview of its main components and features.



Figure 3.1: Front view of the WEYMIC CT-60 Professional 6-Channel Mixer, showing all controls and inputs/outputs.

3.1 Key Features

- 6-Channel audio mixer with low noise and high-precision preamplifiers.
- Ultra-thin design for portability.
- Integrated MP3/USB input with built-in Bluetooth wireless connectivity.
- Compatible with USB drives, flash readers, and MP3 devices for playback and recording.
- XLR microphone jacks and line inputs for various devices.
- 48V Phantom Power for condenser microphones.
- RCA outputs for versatile connectivity.
- All-metal body with sealed rotary controls for durability.

3.2 Control Panel Layout

The mixer's control panel is intuitively designed for easy access to all functions. Refer to the images below for a detailed breakdown of inputs, outputs, and controls.

PRODUCT SIZE

PROFESSIONAL PERFORMANCE MIXER

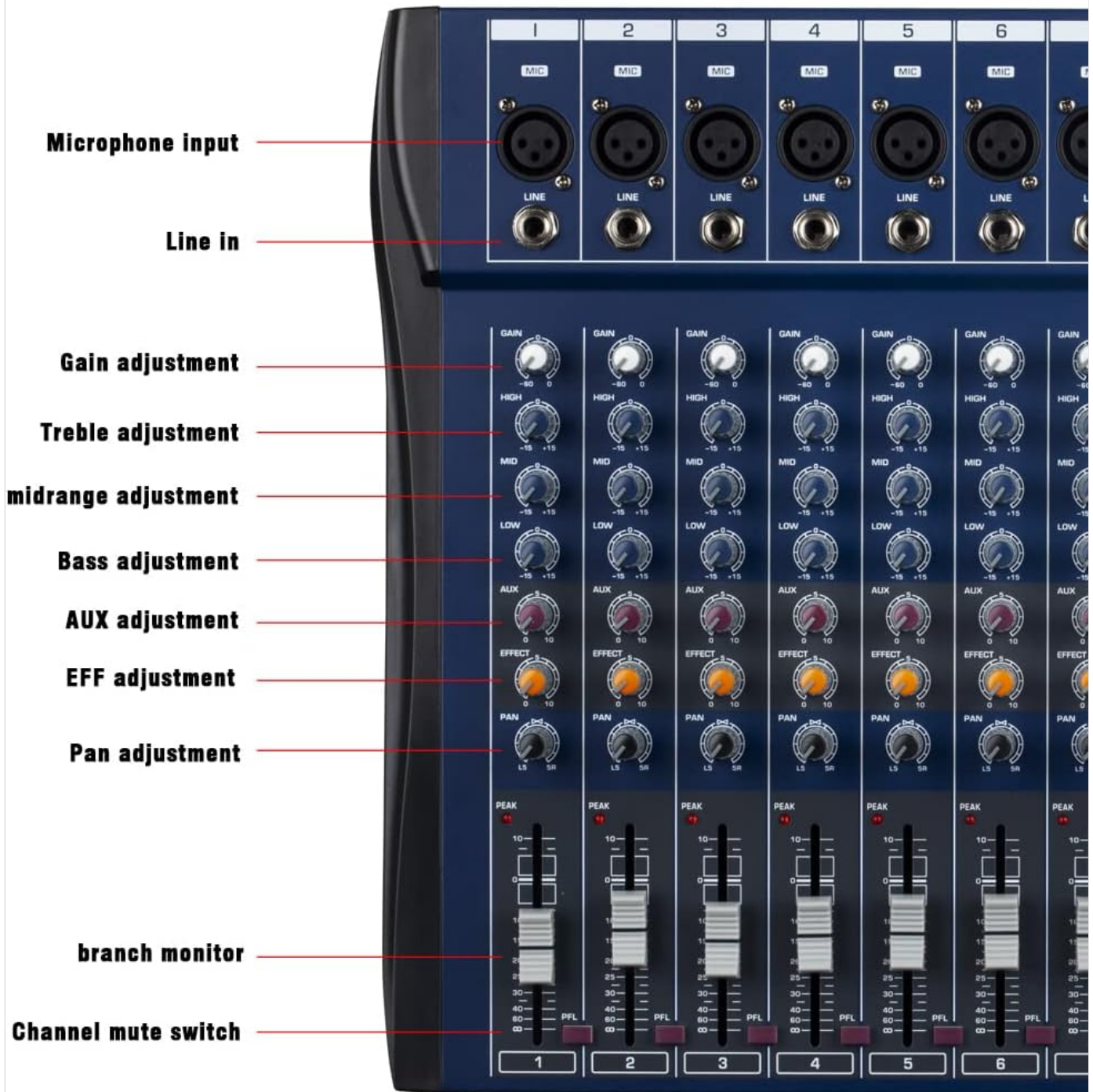


Figure 3.2: Detailed view of the left side of the mixer, highlighting individual channel controls such as Microphone Input, Line In, Gain Adjustment, Treble, Midrange, Bass, AUX Adjustment, EFF Adjustment, Pan, Branch Monitor, and Channel Mute Switch.

PROFESSIONAL STAGE

PERFORMANCE MIXER

Wireless Bluetooth playback
support U disk playback and recording
Independent adjustment of high
medium and bass 48V phantom power



Figure 3.3: Detailed view of the right side of the mixer, highlighting main output controls and the MP3 Control Area, including XLR Main Output, 6.35 Main Output, Send Jack, Auxiliary Output Jack, Lotus Input/Output, Return Output Jack, Monitor Headphone Jack, Auxiliary Recording Volume Adjustment, Effects Send Volume Adjustment, Delay Adjustment, Repeat Adjustment, Monitor Headphone Volume, Pan Adjustment, Auxiliary Return Adjustment, Phantom Power Switch, Reverb Volume Adjustment, and Master Channel Volume Adjustment.

MULTIPLE MICROPHONE INPUTS

Can be connected to all kinds
of microphones and musical
instruments Metal interface
stable transmission



Figure 3.4: Close-up view of the multiple microphone and line inputs on the WEYMIC CT-60 mixer, demonstrating the XLR and 1/4" jack compatibility for various instruments and microphones.

4. SETUP INSTRUCTIONS

4.1 Power Connection

1. Ensure the mixer's power switch is in the OFF position.

2. Connect the included 110V power adapter to the mixer's power input.
3. Plug the power adapter into a suitable electrical outlet.

4.2 Connecting Audio Sources

- **Microphones:** Connect XLR microphones to the MIC inputs (Channels 1-5). For condenser microphones requiring phantom power, ensure the 48V PHANTOM POWER switch is engaged after connecting the microphone and before increasing gain.
- **Instruments/Line-Level Devices:** Connect instruments or line-level devices (e.g., keyboards, CD players) to the LINE inputs using 1/4" TS/TRS cables.
- **USB Drive:** Insert a USB flash drive containing MP3 audio files into the USB port in the MP3 Control Area.
- **Computer/External Device:** Connect a computer via USB for recording or playback, or use Bluetooth for wireless audio streaming.

4.3 Connecting Outputs

- **Main Output:** Connect the MAIN OUT (XLR or 6.35mm) to your amplifier, powered speakers, or recording interface.
- **Headphones:** Connect headphones to the PHONES jack for monitoring.
- **RCA Output:** Use the RCA (Lotus) outputs for additional recording or monitoring connections.

5. OPERATING INSTRUCTIONS

5.1 Basic Channel Operation

1. **Gain Adjustment:** Use the GAIN knob at the top of each channel strip to adjust the input sensitivity. Set it so the PEAK LED flashes only occasionally during the loudest parts of the signal.
2. **Equalization (EQ):**
 - **HIGH:** Adjusts the high frequencies (treble).
 - **MID:** Adjusts the mid-range frequencies.
 - **LOW:** Adjusts the low frequencies (bass).

Adjust these to shape the tone of each input.

3. **AUX/EFF Send:** The AUX knob controls the level of the channel's signal sent to the internal effects processor or external auxiliary send.
4. **PAN:** Adjusts the stereo position of the channel's signal (left to right).
5. **Channel Fader:** Use the vertical fader at the bottom of each channel strip to control the channel's volume in the main mix.
6. **PFL (Pre-Fader Listen):** Press the PFL button to monitor the channel's signal through headphones before it reaches the main mix.

5.2 Master Section Controls

- **MAIN L/R Faders:** Control the overall volume of the main stereo output.
- **EFFECT Section:**
 - **EFF SEND:** Adjusts the overall level of the signal sent to the internal effects.
 - **DELAY/REPEAT:** Controls parameters of the built-in delay effect.
 - **REVERB:** Adjusts the level of the reverb effect.
 - **EFF FADER:** Controls the overall volume of the processed effect signal in the main mix.

- **PHANTOM POWER (48V):** Activates 48V phantom power for condenser microphones connected to XLR inputs. Ensure microphones are connected before activating.
- **PHONES:** Headphone output with dedicated volume control for monitoring.

5.3 USB/MP3/Bluetooth Operation

- **USB Playback:** Insert a USB drive with MP3 files. Use the controls in the MP3 Control Area (PLAY/PAUSE, SKIP TRACKS, MODE) to navigate and play audio.
- **Bluetooth Connectivity:** Press the MODE button to switch to Bluetooth mode. The mixer will appear as "WEYMIC CT-60" (or similar) on your device. Pair your smartphone or tablet to stream audio wirelessly.
- **Computer Recording/Playback:** Connect the mixer to a computer via USB. The mixer should be recognized as an audio interface. You can then use your computer's recording software to record the main mix or play audio through the mixer.

6. MAINTENANCE

- **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 in the faders and rotary controls.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Regularly check all cables for damage. Replace frayed or damaged cables immediately to prevent electrical hazards or signal loss.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output from main speakers.	<ul style="list-style-type: none"> o Main L/R faders are down. o Amplifier/powered speakers are off or volume is low. o Cables are incorrectly connected or faulty. o Channel faders are down. 	<ul style="list-style-type: none"> o Raise MAIN L/R faders. o Check power and volume on connected audio equipment. o Verify all cables are securely connected and functional. o Raise individual channel faders.
No sound from a specific channel.	<ul style="list-style-type: none"> o Channel fader is down. o GAIN knob is too low. o Input source is not connected or faulty. o Mute switch engaged (if applicable). 	<ul style="list-style-type: none"> o Raise the channel fader. o Increase the GAIN knob. o Check input cable and source device. o Ensure channel is not muted.
Microphone not working with phantom power.	<ul style="list-style-type: none"> o 48V PHANTOM POWER is not activated. o Microphone is dynamic, not condenser. o Faulty XLR cable. 	<ul style="list-style-type: none"> o Activate the 48V PHANTOM POWER switch. o Confirm microphone type; dynamic mics do not require phantom power. o Try a different XLR cable.
Bluetooth device cannot connect.	<ul style="list-style-type: none"> o Mixer is not in Bluetooth mode. o Device is too far from the mixer. o Interference. 	<ul style="list-style-type: none"> o Press MODE button on the mixer until Bluetooth mode is active. o Move the Bluetooth device closer to the mixer. o Reduce other wireless interference.

8. SPECIFICATIONS

Model	CT-60
Number of Channels	6
Item Weight	6.6 pounds (3 kg)
Product Dimensions (WxHxD)	14.9" x 13.7" x 2.7" (380 x 350 x 70 mm)
Hardware Interface	USB
Power Source	Corded Electric (External 110V power adapter included)
Voltage	Input: 110V AC (via included adapter)
Connectivity Technology	Bluetooth, USB
Phantom Power	48V (selectable)

9. WARRANTY AND SUPPORT

WEYMIC products are designed for reliability and performance. For specific warranty information, please refer to the warranty card included with your purchase or visit the official WEYMIC website.

If you encounter any issues or have questions regarding your WEYMIC CT-60 mixer, please contact WEYMIC customer support through the retailer where the product was purchased or via the contact information provided on the official

WEYMIC website. Please have your product model number (CT-60) and purchase details ready when contacting support.

