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WEYMIC MX-6-Channel

WEYMIC MX-60 Professional 6-Channel Mixer User Manual

Model: MX-6-Channel

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your WEYMIC MX-60 Professional 6-Channel Mixer. Designed for recording, DJ, stage, and karaoke applications, this mixer features a graphic equalizer, DSP effector, USB input for recording, XLR microphone jacks, 48V phantom power, and RCA outputs. Please read this manual thoroughly before using the device to ensure proper functionality and longevity.

PRODUCT OVERVIEW

The WEYMIC MX-60 is a versatile 6-channel audio mixer engineered for high-quality sound processing. Its robust all-metal construction ensures durability, while its intuitive controls allow for precise audio manipulation. Key features include:

- Low noise, high-precision preamplifiers for clear audio input.
- Integrated 48V Phantom Power for connecting studio condenser microphones.
- USB and Bluetooth connectivity for versatile audio input and recording options.
- Built-in DSP effector with 16 digital effects for enhanced sound.
- 7-band stereo graphic equalizer for detailed frequency control.
- Compact design suitable for various environments, including home studios, live performances, and karaoke setups.



Figure 1: Front view of the WEYMIC MX-60 Professional 6-Channel Mixer, showcasing all inputs, outputs, and control knobs.

SETUP INSTRUCTIONS

1. **Unpacking:** Carefully remove the mixer from its packaging. Retain all packaging materials for future transport or storage.
2. **Power Connection:** Connect the included external power adapter to the mixer's power input jack and then to a suitable AC power outlet (220V AC). Ensure the power switch on the mixer is in the OFF position before connecting.
3. **Initial Placement:** Place the mixer on a stable, flat surface, ensuring adequate ventilation around the unit. Avoid placing it near heat sources or in direct sunlight.
4. **Audio Output Connection:** Connect the L MAIN OUTS R (RCA or XLR) to your amplifier, powered speakers, or

recording interface using appropriate cables.

5. Input Connections:

- **Microphones:** Connect XLR microphones to the MIC inputs (Channels 1-6). For condenser microphones requiring phantom power, ensure the +48V PHANTOM POWER button is pressed (refer to Operating Instructions for details).
- **Line-Level Devices:** Connect instruments or other line-level audio sources to the LINE inputs (Channels 1-6) using 1/4" TS/TRS cables.
- **USB/MP3 Playback:** Insert a USB flash drive into the USB port for MP3 playback.
- **Bluetooth Devices:** Activate Bluetooth on your external device and pair with the mixer (refer to Operating Instructions for details).

OPERATING INSTRUCTIONS

Channel Controls (Channels 1-6)

PANEL RESOLUTION

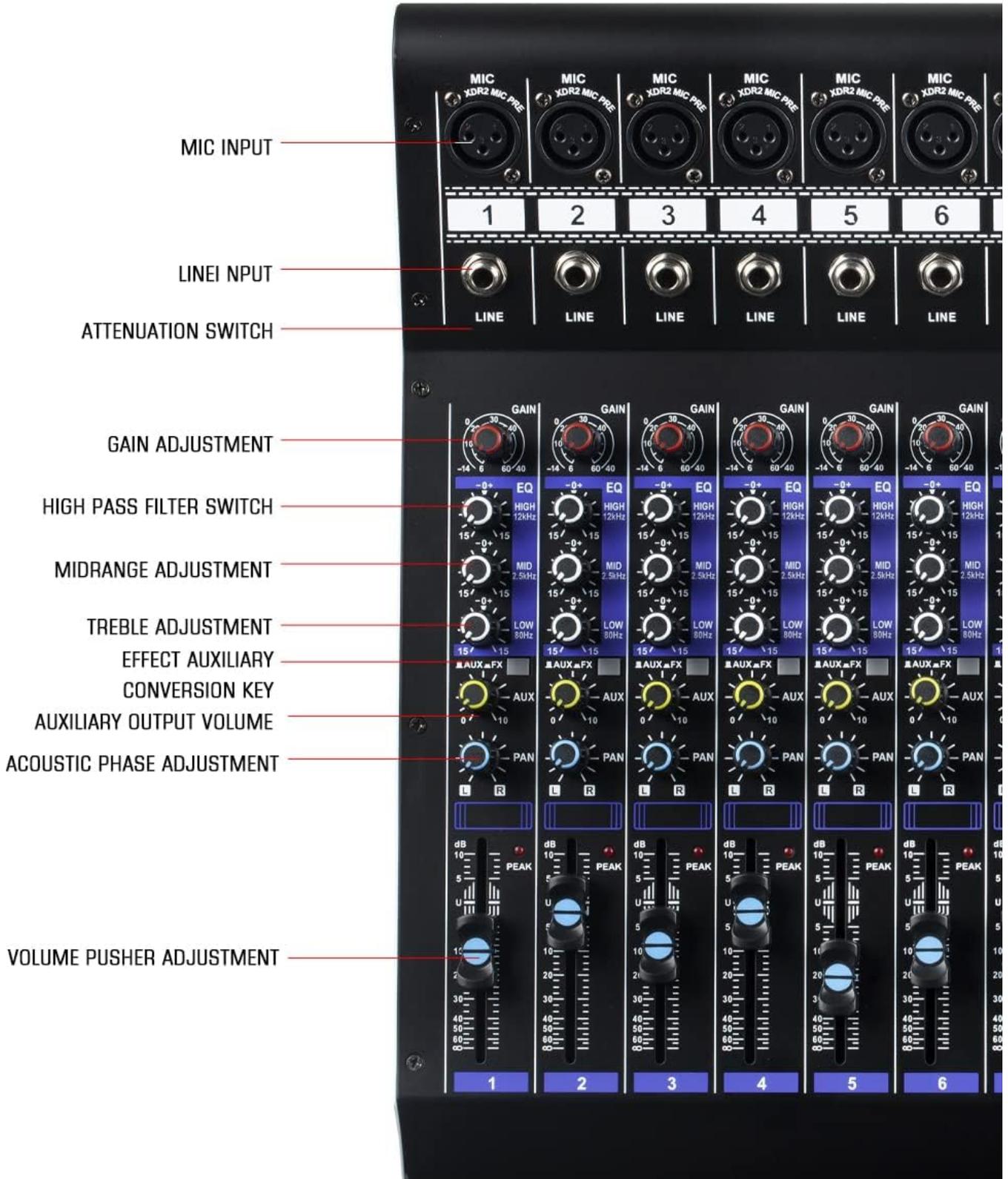


Figure 2: Detailed view of the individual channel controls on the MX-60 mixer.

- **GAIN:** Adjusts the input sensitivity for each channel. Start with the knob fully counter-clockwise and gradually

increase until the PEAK LED flashes only occasionally.

- **EQ (High, Mid, Low):** Three-band equalizer for shaping the tone of each channel.
 - **HIGH:** Adjusts treble frequencies (e.g., 12kHz).
 - **MID:** Adjusts midrange frequencies (e.g., 2.5kHz).
 - **LOW:** Adjusts bass frequencies (e.g., 80Hz).
- **AUX/FX:** Controls the send level of the channel signal to the internal DSP effects processor or external auxiliary devices.
- **PAN:** Adjusts the stereo position of the channel signal (left to right).
- **VOLUME PUSHER (Fader):** Controls the output level of the individual channel to the main mix.

Master Section Controls

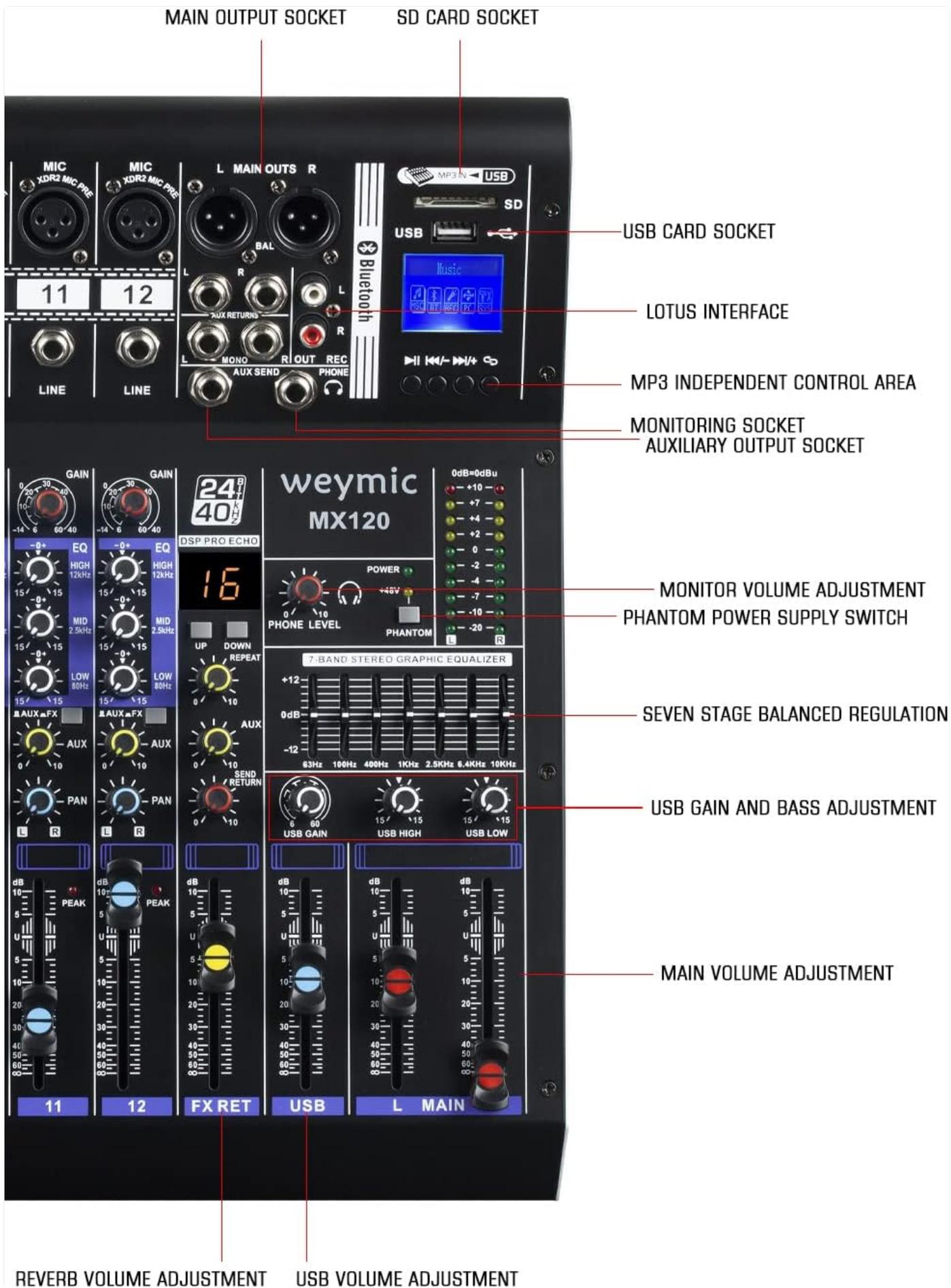


Figure 3: Detailed view of the master section controls on the MX-60 mixer.

- **+48V PHANTOM POWER:** Button to activate 48V phantom power for condenser microphones connected to XLR inputs. An indicator light will illuminate when active.

• **DSP EFFECTOR:**

- **Program Selector:** Use the UP/DOWN buttons to cycle through 16 built-in digital effects. The selected effect number is displayed.
- **REPEAT:** Adjusts the repetition rate for delay/echo effects.
- **FX RET (Fader):** Controls the overall return level of the DSP effects into the main mix.

RICH EFFECTS 16 DIGITAL EFFECTS



16 KINDS OF DSP EFFECTS ARE PRESET IN THE SYSTEM
AND THE DEPTH AND SPEED OF THE SELECTED EFFECTS CAN BE
ADJUSTED FREELY. THE LAST PARAMETER VALUES USED FOR
EACH EFFECT TYPE WILL BE SAVED



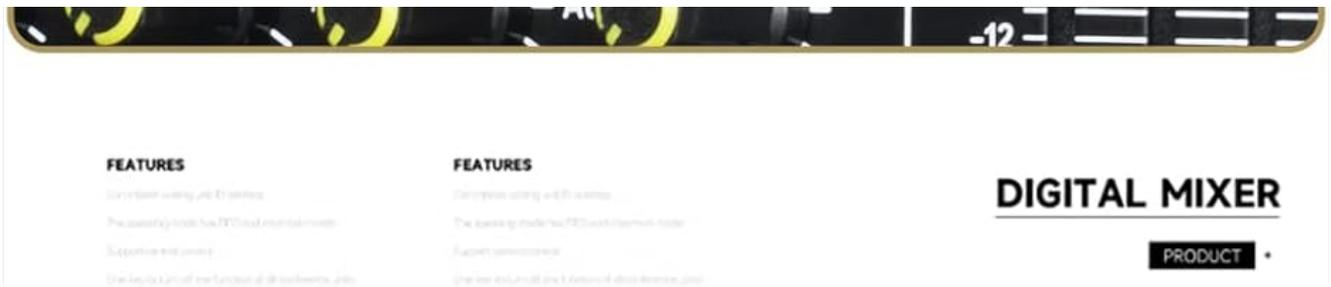


Figure 4: Close-up of the phantom power button, level meters, and MP3 control area, including the DSP display.

- **7-BAND STEREO GRAPHIC EQUALIZER:** Provides precise frequency shaping for the main stereo output. Adjust individual sliders to boost or cut specific frequency bands (63Hz, 160Hz, 400Hz, 1kHz, 2.5kHz, 6.4kHz, 16kHz).
- **USB/MP3 Player:**
 - **USB Port:** Insert a USB flash drive containing MP3 files.
 - **Bluetooth Connectivity:** Press the Bluetooth button to enable pairing. Search for "WEYMIC MIXER" on your device and connect.
 - **Control Buttons:** Play/Pause, Previous Track, Next Track, Mode (USB/Bluetooth).
 - **USB GAIN/USB LOW:** Adjusts the input level and low-frequency response for the USB/Bluetooth audio.

PLAY LOSSLESS MUSIC MP3 PLAYER



IT CAN BE DIRECTLY INSERTED INTO A
USB FLASH DISK OR MP3 PLAYER TO PLAY
THE MUSIC FILES IN IT WITH HIGH-DEFINITION AND LOSSLESS
SOUND QUALITY, AND ENJOY YOUR FAVORITE SONGS AT ANY TIME



Figure 5: The USB input section, demonstrating a USB flash drive inserted for direct MP3 playback on the MX-60.

For Bluetooth connectivity, ensure your device's Bluetooth is enabled and search for the mixer. Once paired, you can stream audio wirelessly to the mixer. Use the dedicated control buttons to manage playback.

- **PHONE LEVEL:** Adjusts the volume for the headphone output.
- **MAIN VOLUME ADJUSTMENT (Faders):** Separate faders for the Left (L) and Right (R) main stereo outputs. Adjust these to control the overall output volume.
- **TRICOLOR LEVEL LAMP:** Provides real-time visual indication of the main output signal level. Aim for levels that illuminate the green and yellow LEDs, avoiding consistent red (PEAK) illumination to prevent distortion.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the mixer. For stubborn dirt, a slightly damp cloth can be used, followed by a dry cloth. Do not use abrasive cleaners, solvents, or waxes.
- **Dust Protection:** Keep the mixer covered when not in use to prevent dust accumulation, especially on faders and rotary controls. The sealed rotary controls are designed to resist dust and grime, but regular cleaning is still recommended.
- **Storage:** If storing the mixer for an extended period, disconnect all cables and store it in its original packaging or a protective case in a cool, dry place.
- **Cable Management:** Ensure all cables are neatly organized and not under tension to prevent damage to the connectors or the mixer's ports.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output from main speakers.	Mixer not powered on. Main volume faders are down. Cables incorrectly connected or faulty. Amplifier/powered speakers are off or muted.	Ensure power adapter is connected and power switch is ON. Raise L/R MAIN faders. Check all audio cables for proper connection and integrity. Verify external audio equipment is powered on and unmuted.
No sound from a specific channel.	Channel volume fader is down. GAIN knob is too low. Input device is off or muted. Incorrect input selected (e.g., MIC vs. LINE).	Raise the channel's volume fader. Increase the GAIN knob for the channel. Check the connected microphone or instrument. Ensure correct input type is used for the source.
Distorted audio.	GAIN or volume levels are too high (PEAK LED constantly red). Faulty cable or connection.	Reduce GAIN and channel/main volume levels until PEAK LED only flashes occasionally. Test with different cables.

Problem	Possible Cause	Solution
Phantom power not working for condenser mic.	+48V PHANTOM POWER button not pressed. Microphone cable is not XLR or is faulty.	Press the +48V PHANTOM POWER button; ensure indicator light is on. Use a balanced XLR cable.
Bluetooth connection issues.	Bluetooth not enabled on mixer or device. Device too far from mixer. Interference.	Ensure Bluetooth mode is active on the mixer and device. Move device closer to the mixer. Minimize other wireless devices nearby.

SPECIFICATIONS

Feature	Detail
Model	MX-6-Channel
Brand	WEYMIC
Number of Channels	6
Connectivity Technology	Bluetooth, USB
Hardware Interface	USB
Power Source	Corded Electric
Voltage	220 Volts (AC)
Item Weight	10.43 pounds (4.74 Kilograms)
Product Dimensions	13.78 x 12.6 x 3.35 inches (35 x 32 x 8.5 cm)
Phantom Power	+48V
DSP Effects	16 Digital Effects
Equalizer	7-Band Stereo Graphic Equalizer

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact WEYMIC customer service directly. Keep your proof of purchase for warranty claims.

For further assistance, you may visit the official WEYMIC website or contact their support channels. Specific contact details are typically found on the product packaging or a separate warranty card.



