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## EMB MX06BT

# EMB MX06BT 6-Channel Audio Mixer: Instruction Manual

Model: MX06BT

## 1. PRODUCT OVERVIEW

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The EMB MX06BT is a compact and versatile 6-channel audio mixer designed for mixing, balancing, and combining various audio signals. It supports multiple input sources including microphones, instruments, and pre-recorded audio. This electronic device is ideal for live sound, recording, and podcasting applications, offering a range of features to enhance audio quality and control.



Figure 1: Top view of the EMB MX06BT 6-Channel Audio Mixer, showcasing its control layout and compact design.

## 2. KEY FEATURES

- **99 Preset Digital Effect Programs:** Integrated DSP sound processor for versatile audio effects.
- **Musical Instrument Input Switch:** Dedicated inputs for instruments like guitar, bass, and aerophone.
- **Bluetooth Connectivity:** Compatible with Bluetooth devices for wireless audio streaming.
- **Headphone and Microphone Support:** Includes 3.5mm plug compatibility for headphones and microphones.
- **USB Input MP3 Player:** Features a USB input for MP3 playback with an LED screen display.
- **XLR 48V Power Supply:** Provides phantom power for condenser microphones.
- **Power Options:** DC 12V input, AC 110V-240V / 50Hz-60Hz for flexible power supply.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- EMB MX06BT 6-Channel Audio Mixer
- Power Adapter (AC 110V-240V / 50Hz-60Hz to DC 12V)
- USB Cable
- Instruction Manual



Figure 2: Included power adapter for the mixer.



Figure 3: Included USB cable for connecting the mixer to a computer or other USB devices.

## 4. SETUP GUIDE

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Follow these steps to set up your EMB MX06BT mixer:

1. **Power Connection:** Connect the provided power adapter to the DC 12V input on the rear panel of the mixer and plug it into a suitable power outlet.
2. **Input Devices:** Connect your microphones to the MIC/LINE (XLR/TRS combo) inputs. For condenser microphones, ensure 48V phantom power is activated (see Operating Instructions). Connect instruments or other line-level devices to the appropriate 1/4" TRS or RCA inputs.
3. **Output Devices:** Connect your main speakers or recording device to the MAIN OUT (XLR or 1/4" TRS) outputs. For headphones, use the PHONES output.
4. **USB/Bluetooth:** For computer connectivity, use the USB cable. For Bluetooth audio, pair your device as described in the Operating Instructions.
5. **Power On:** Turn on the mixer using the power switch located on the rear panel.



Figure 4: Rear panel connections including power input, USB port, and various audio inputs/outputs.

## 5. OPERATING INSTRUCTIONS

### 5.1. Channel Controls

Each input channel features dedicated controls for optimal sound adjustment:

- **GAIN:** Adjusts the input sensitivity for each channel.
- **HIGH/LOW EQ:** Two-band equalizer for adjusting treble and bass frequencies.
- **FX:** Sends the channel signal to the internal digital effects processor.
- **LEVEL:** Controls the overall output level of the individual channel.
- **PAD:** Attenuates the input signal by 26dB for high-level sources.
- **HPF (High-Pass Filter):** Cuts low frequencies (80Hz) to reduce unwanted rumble.

### 5.2. Master Controls

- **99 DSP Effects:** Use the PROGRAM knob to select from 99 built-in digital effects. Adjust the effect level with the FX RTN knob.
- **PHANTOM +48V:** Activates phantom power for channels 1-2, required for condenser microphones.
- **LEVEL PHONES:** Controls the volume of the headphone output.
- **LEVEL STEREO:** Controls the overall volume of the main stereo output.
- **USB/MP3 Player:** Use the MODE button to switch between USB and Bluetooth. Play/pause, skip tracks using the dedicated buttons.

### 5.3. Bluetooth Operation

To connect a Bluetooth device:

1. Press the MODE button on the USB/MP3 player section until 'BT' appears on the LED display.
2. On your Bluetooth-enabled device, search for 'EMB MX06BT' and pair.
3. Once connected, you can stream audio wirelessly to the mixer.



Figure 5: Detailed view of the mixer's front panel, highlighting individual channel controls, master section, and digital effects processor.

## 6. SPECIFICATIONS

Feature	Value
Item Weight	2.72 pounds (1.24 Kilograms)
Package Dimensions	9.84 x 8.07 x 3.43 inches
Item Model Number	MX06BT
Hardware Interface	Bluetooth
Power Source	Corded Electric
Voltage	12 Volts (DC)
Number of Channels	6
Connectivity Technology	USB

## 7. MAINTENANCE

To ensure the longevity and optimal performance of your EMB MX06BT mixer, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the mixer. Avoid using abrasive cleaners, solvents, or waxes, as they may damage the finish or controls.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Handling:** Avoid dropping the mixer or subjecting it to strong impacts. Handle all knobs and faders gently.
- **Ventilation:** Ensure proper ventilation around the unit to prevent overheating. Do not block any ventilation openings.

## 8. TROUBLESHOOTING

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If you encounter any issues with your EMB MX06BT mixer, refer to the following common troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to both the mixer and a working power outlet. Check the power switch on the rear panel.
- **No Sound Output:** Verify that all input and output cables are correctly connected. Check the LEVEL controls for all channels and the main STEREO output. Ensure headphones are properly plugged in and their level is adjusted.
- **Distorted Sound:** Reduce the GAIN and LEVEL settings for the input channels and the main STEREO output. Check for damaged cables or faulty microphones/instruments.
- **Phantom Power Issue:** Ensure the +48V phantom power switch is activated for condenser microphones.
- **Bluetooth Connection Failure:** Ensure the mixer is in Bluetooth mode ('BT' displayed). Turn off and on Bluetooth on your device, then try pairing again. Ensure no other devices are actively connected to the mixer via Bluetooth.
- **USB Playback/Recording Issues:** Verify the USB cable is securely connected. Ensure the mixer is in USB mode. Check your computer's audio settings to ensure the mixer is selected as the input/output device.

## 9. SAFETY INFORMATION

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Please read and adhere to the following safety precautions:

- **Power Supply:** Use only the specified power adapter. Disconnect power during lightning storms or when unused for long periods.
- **Water and Moisture:** Do not expose this appliance to rain or moisture. Do not place objects filled with liquids on the appliance.
- **Heat:** Do not place near heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Ventilation:** Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

## 10. WARRANTY AND SUPPORT

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For warranty information and customer support, please refer to the documentation included with your purchase

or contact EMB customer service directly. Protection plans are available for extended coverage.

- 2-Year Protection Plan
- 3-Year Protection Plan
- Complete Protect: One plan covers all eligible past and future purchases