

Pyle PMXU46BT

Pyle PMXU46BT 4-Channel Bluetooth Studio Audio Mixer

Instruction Manual

IMPORTANT SAFETY INFORMATION

- Ensure the power supply voltage matches the mixer's requirements before connecting.
- Do not expose the unit to rain or moisture to prevent fire or electric shock.
- Avoid placing the unit near heat sources such as radiators, heat registers, stoves, or other heat-producing appliances.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 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.

PRODUCT OVERVIEW

The Pyle PMXU46BT is a compact and versatile 4-channel audio mixer designed for a wide range of applications, from studio recording and DJ setups to live sound reinforcement. It integrates essential features such as a USB soundcard for direct PC recording, Bluetooth for wireless audio streaming, and a robust set of input/output options. With individual channel controls, a 7-band graphic equalizer, and built-in digital effects, this mixer provides comprehensive audio control for both beginners and experienced professionals.



Figure 1: Pyle PMXU46BT 4-Channel Mixer Top View. This image displays the full top panel of the mixer, showcasing all knobs, faders, and the digital display.

CONTROLS AND FUNCTIONS

Input Channels (1-4)

Each of the four input channels features a comprehensive set of controls for precise audio manipulation:

- **GAIN:** Adjusts the input sensitivity for microphones or line-level signals.
- **HIGH/MID/LOW EQ:** A 3-band equalizer to shape the tone of each channel's audio.
- **AUX:** Sends a portion of the channel's signal to the auxiliary output for external monitoring or effects.
- **FX:** Sends a portion of the channel's signal to the internal digital effects processor.
- **PAN:** Positions the channel's signal within the stereo field (left to right).
- **PFL (Pre-Fader Listen):** Allows monitoring of the channel's signal through headphones before the fader.
- **MUTE:** Silences the channel's output to the main mix.

- **Peak Indicator:** An LED that illuminates when the input signal is too high, indicating potential clipping.



Figure 2: Detailed view of Pyle PMXU46BT channel controls including gain, EQ, and effects knobs. This image provides a close-up on the individual control knobs for each channel, illustrating their layout and color-coding.

Master Controls

The master section provides overall control and monitoring capabilities:

- **MP3/Bluetooth/PC Section:** Includes mode selection, play/pause, and skip buttons for integrated audio playback.
- **7-Band Graphic Equalizer:** Sliders for precise frequency adjustment across seven bands for the main mix.
- **Headphone Level:** Adjusts the volume of the headphone output.
- **Tape Input Level:** Controls the volume of audio coming from the RCA tape inputs.
- **Aux Send/Return Levels:** Adjusts the overall level of the auxiliary send and return signals.
- **+48V Phantom Power:** Activates phantom power for condenser microphones connected to the XLR inputs. An indicator LED shows when it's active.



Figure 3: Angled view of the Pyle PMXU46BT mixer, highlighting the master control section with the digital display, equalizer, and main output faders. This image offers a perspective view of the mixer, emphasizing the central control panel and its various components.

Output Section

The mixer offers a variety of output connections for different audio routing needs:

- **Main L/R (XLR, 1/4"):** Balanced XLR and 1/4" jacks for connecting to main PA systems or recording devices.
- **Subwoofer (1/4"):** A dedicated output for connecting an active subwoofer, with an internal 100Hz crossover.
- **Headphone (1/4"):** Stereo output for connecting headphones for monitoring.
- **Tape Out (RCA):** RCA outputs for connecting to a recording device or external playback system.
- **Aux Send/Return (1/4"):** 1/4" jacks for creating an effects loop with external processors or for sending a monitor mix.



Figure 4: Rear view of the Pyle PMXU46BT mixer showing various input and output connections including XLR, 1/4 inch, and RCA jacks. This image provides a clear view of all rear panel connectors.

Faders

Smooth-glide faders provide tactile control over various audio levels:

- **Channel Faders (1-4):** Adjust the output level of each individual input channel to the main mix.
- **FX Fader:** Controls the overall return level of the internal digital effects.
- **MP3 Fader:** Adjusts the playback volume of the MP3/Bluetooth/PC audio source.
- **SUB Fader:** Controls the output level of the dedicated subwoofer channel.
- **Main Out L/R Faders:** Adjust the overall stereo output volume of the mixer.

SETUP

Power Connection

To power on your PMXU46BT mixer:

1. Ensure the mixer's power switch, located on the rear panel, is in the 'OFF' position.
2. Connect the provided 3-pin power adapter cable to the AC input on the rear of the mixer.
3. Plug the power adapter into a suitable AC power outlet.
4. Flip the power switch on the mixer to the 'ON' position. The power indicator LED will illuminate.



Figure 5: Close-up of the power switch and AC input on the Pyle PMXU46BT mixer. This image clearly shows the power input and switch on the rear of the unit.

Connecting Microphones and Instruments

The mixer supports various audio sources:

- For microphones, use XLR cables and connect them to the XLR/1/4" combo jacks on channels 1-4. If using condenser microphones, activate the +48V Phantom Power button in the master section.
- For instruments (e.g., guitar, keyboard) or line-level devices, use 1/4" TS or TRS cables and connect them to the 1/4" input jacks on the desired channels.

Connecting to PC (USB)

To use the mixer as an audio interface with your computer:

- Connect the mixer to your PC (Mac or Windows) using a standard USB A-to-B cable (not included).
- On the mixer's digital display section, press the 'MODE' button until 'PC' is selected.
- Your computer should automatically recognize the mixer as an audio device. You can then select it as your input/output device in your digital audio workstation (DAW) or system sound settings.

Connecting Speakers/Headphones

Route your audio output as follows:

- Connect your main powered speakers or power amplifier to the XLR or 1/4" Main Out (L/R) jacks on the rear panel.
- For additional bass, connect an active subwoofer to the dedicated 1/4" SUB output.
- Plug your headphones into the 1/4" headphone jack on the top panel for personal monitoring. Adjust the headphone level using the dedicated knob.

OPERATING INSTRUCTIONS

Adjusting Input Levels

Achieve optimal signal levels for each input:

- For each active channel, slowly turn the GAIN knob clockwise until the signal is strong but the Peak Indicator LED does not light up consistently.
- Use the individual channel faders to set the desired volume balance for each input within the overall mix.

Using the Equalizer

Shape your sound with precision:

- Use the HIGH, MID, and LOW knobs on each channel to boost or cut specific frequency ranges for individual microphones or instruments.
- The 7-band graphic equalizer in the master section allows for broader frequency adjustments to the overall stereo mix. Adjust sliders to enhance or reduce specific frequencies as needed.

Applying Effects

Enhance your audio with built-in digital effects:

- Turn the FX knob on each channel to send a portion of that channel's signal to the internal digital effects processor.
- On the digital display, use the selector knob to choose from 16 built-in effects (e.g., Hall, Room, Reverb, Delay). Press the knob to confirm your selection.
- Adjust the 'PARAMETER' knob to control the intensity or characteristics of the selected effect.
- Use the FX fader in the master section to control the overall return level of the effects into the main mix.

Bluetooth Streaming

Stream audio wirelessly from your devices:

- Press the 'MODE' button on the digital display until 'BT' is selected. The display will show 'BLUE'.
- On your mobile device (iPhone, Android, iPad, Tablet, MP3 Player), enable Bluetooth and search for available devices. Select 'PyleMixer' or a similar name to pair.
- Once connected, you can stream audio wirelessly to the mixer. Control the playback volume using the MP3 fader. The wireless range is approximately 15 feet.

PC Recording/Playback

Utilize the mixer as a USB audio interface:

- Connect the mixer to your PC via USB and select 'PC' mode on the digital display.
- Your computer will recognize the mixer as an audio device. You can then record the main mix directly to your DAW.
- Audio from your PC can also be played back through the mixer, allowing for seamless integration into your digital workflow.

Video 1: PMXU-46BT Mixer Overview, Sound Test, Features & Benefits. This video provides a detailed walkthrough of the mixer's features, including a sound test and demonstration of its various functions and effects.

TECHNICAL SPECIFICATIONS

Item Weight	6.8 Pounds
Product Dimensions	13.8"D x 12.5"W x 3.66"H

Number of Channels	4
Hardware Interface	Bluetooth
Power Source	Corded Electric
Voltage	48 Volts
Connectivity Technology	Bluetooth

TROUBLESHOOTING

- **No Sound Output:** Check all cable connections (inputs, main outputs, speakers). Ensure all channel faders and main faders are up, and mute buttons are disengaged. Verify power to the mixer and connected speakers.
- **Distorted Audio:** Reduce the GAIN knob on the input channel where distortion occurs. Ensure the Peak Indicator LED is not constantly lit. Lower the main output faders if the overall mix is clipping.
- **Bluetooth Not Connecting:** Ensure 'BT' mode is selected on the mixer. Check that Bluetooth is enabled on your mobile device and it's within the 15 ft wireless range. Try restarting both the mixer and your device.
- **Phantom Power Not Working:** Confirm the +48V Phantom Power button is pressed and its indicator LED is lit. Ensure your condenser microphone is properly connected via an XLR cable.
- **USB Recording Issues:** Verify 'PC' mode is selected on the mixer. Check your computer's sound settings to ensure the mixer is selected as the input device. Ensure your DAW is configured to record from the correct input.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Pyle website or contact Pyle customer service directly. Keep your purchase receipt for warranty claims. Detailed contact information can typically be found on the product packaging or the Pyle USA website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question