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› Pyle Professional Audio Mixer Sound Board Console Desk System- Interface 8 Channel Digital USB Bluetooth MP3 Computer Input 48V Phantom Power Stereo DJ Studio FX 16Bit DSP Processor, Black - PMXU83BT

Pyle PMXU83BT

Pyle Professional Audio Mixer User Manual

Model: PMXU83BT | Brand: Pyle

1. INTRODUCTION

Thank you for purchasing the Pyle PMXU83BT Professional Audio Mixer. This 8-channel console is designed for versatile audio mixing, recording, and playback, suitable for both studio and live performance environments. It integrates advanced features such as Bluetooth connectivity, USB interface for computer connection, and a 16-bit DSP effects processor to enhance your audio experience. Please read this manual thoroughly to understand the features and operation of your new audio mixer.

2. WHAT'S IN THE BOX

Carefully unpack the contents and ensure all items are present:

- Bluetooth Studio Mixer
- Power Adapter Cable, 4-Pin
- USB Cable

WHAT'S IN THE BOX



Figure 2.1: Pyle PMXU83BT mixer with its power adapter and USB cable.

3. PRODUCT FEATURES

The PMXU83BT mixer is equipped with a comprehensive set of features for professional audio control:

- **Multi 8-Channel Audio Source Mixing:** Allows for simultaneous mixing of up to 8 audio sources.
- **Built-in Bluetooth Wireless Receiver:** Seamless audio streaming from compatible devices.
- **FX (Analog Effects) & 16 Bit DSP Processor:** Integrated digital multi-effects program for enhanced sound.
- **Direct-to-Computer Connect & Sound Record Ability:** Record audio directly to your computer via USB.
- **LCD Digital Display & Front Panel Control Center:** Intuitive interface for easy operation.
- **Rotary Adjustment Knobs & LED Indicator Lights:** Precise control and visual feedback for all channels.
- **MP3 Digital Audio File Compatibility:** Play MP3 and WAV files directly from a USB flash drive.
- **Versatile Inputs:** Includes XLR/1/4" Combo Audio LINE/Microphone Inputs, RCA (L/R) Inputs, and 1/4" Mono + Stereo Inputs.

- **+48V Phantom Power Control:** Essential for condenser microphones.
- **Rugged Steel Chassis:** Durable construction with sealed rotary controls to resist dust and grime.



Figure 3.1: Overview of Pyle PMXU83BT key features.

4. SETUP

Follow these steps to set up your Pyle PMXU83BT audio mixer:

1. **Power Connection:** Connect the included 4-pin power adapter cable to the DC IN port on the mixer and plug it into a 100-240V power outlet. Ensure the power switch is in the OFF position before connecting.
2. **Initial Power On:** Once connected, switch the Power ON/OFF button to ON. The mixer's LCD display and LED indicators should illuminate.
3. **Input Connections:**
 - **Microphones/Line Devices:** Connect microphones or line-level instruments to the XLR/1/4" Combo Audio LINE/Microphone Inputs (Channels 1-4). If using condenser microphones, activate the +48V Phantom Power Control.

- **External Audio Devices:** Use the RCA (L/R) Inputs or 1/4" Mono + Stereo Inputs for connecting other audio sources like CD players, media players, or other instruments.
4. **Output Connections:** Connect your main speakers or amplifier to the (2) 1/4" (L/R) MAIN Outputs. For monitoring, connect headphones to the 1/4" Headphone Jack.
 5. **Computer Connection (Optional):** Use the provided USB cable to connect the mixer's USB Interface to your computer for direct recording or playback.



Figure 4.1: Parts and Functions Overview.



Figure 4.2: Connecting and Streaming Audio from External Devices.

Video 4.1: Official product overview of the Pyle PMXU83BT mixer, demonstrating its features and connectivity.

5. OPERATING THE MIXER

This section provides guidance on operating the Pyle PMXU83BT mixer for various audio tasks.

5.1. Basic Mixing

1. **Adjusting Input Gain:** Use the GAIN knob for each channel to set the input level. Adjust until the PEAK LED briefly flashes, then reduce slightly to avoid clipping.
2. **Equalization (EQ):** Use the HIGH, MID, and LOW knobs to adjust the tone of each channel. These provide -15/+15dB adjustment for fine-tuning.
3. **Channel Level:** Use the LEVEL knob for each channel to control its volume in the main mix.
4. **Main Output Level:** Use the STEREO Level Fader/Slider to control the overall output volume of the mixer. Monitor the Output Signal Level Indication LEDs to prevent clipping.

5.2. Using Digital Effects (FX)

1. **Select Program:** Use the PROGRAM knob to select one of the 16 DSP digital multi-effects. The selected program number will be displayed on the LCD.
2. **Adjust FX/SEND:** Use the FX/SEND knob on each channel to send a portion of that channel's signal to the effects processor.
3. **Adjust FX Level:** Use the FX Level knob to control the overall volume of the applied effect in the main mix.
4. **Adjust Repeat:** Use the REPEAT knob to control the repetition or decay of the selected effect.

5.3. USB/MP3 Player Operation

1. **Insert USB:** Insert a USB flash drive containing MP3 or WAV audio files into the USB Interface port.
2. **Playback Controls:** Use the play/pause, skip tracks (previous/next), and mode buttons on the USB Player section to control playback.
3. **Bluetooth Streaming:** Select Bluetooth mode using the MODE button. The mixer's Bluetooth network name is 'KT-08UP'. Pair your device (smartphone, tablet, laptop) with the mixer to stream audio wirelessly. Bluetooth Version: 4.0, Wireless Range: 15'+ ft.



Figure 5.1: Bluetooth Streaming Connectivity.



Figure 5.2: Direct-to-Computer Connection and Recording.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Pyle PMXU83BT mixer, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the surface of the mixer. Avoid using abrasive cleaners, solvents, or strong chemicals, as they may damage the finish or internal components.
- **Dust Protection:** Keep the mixer free from dust and debris. When not in use, cover the unit with a dust cover to prevent accumulation, especially around the rotary controls and faders.
- **Ventilation:** Ensure proper ventilation around the mixer to prevent overheating. Do not block any ventilation openings.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Cable Management:** Regularly check all cables for any signs of wear or damage. Replace frayed or damaged cables immediately to prevent electrical hazards or signal loss.

7. TROUBLESHOOTING

If you encounter issues with your Pyle PMXU83BT mixer, refer to the following common problems and solutions:

- **No Power:**
 - Ensure the power adapter is securely connected to the mixer and the power outlet.
 - Verify the power outlet is functional.
 - Check the Power ON/OFF switch on the mixer is in the ON position.
- **No Sound Output:**
 - Check all input and output cable connections.
 - Ensure channel LEVEL knobs and the STEREO Level Fader/Slider are turned up.
 - Verify connected speakers/amplifiers are powered on and functioning correctly.
 - If using condenser microphones, ensure +48V Phantom Power is activated.
- **Distorted Sound / Clipping:**
 - Reduce the GAIN knob for the affected channel(s).
 - Lower the overall STEREO Level Fader/Slider.
 - Check that input sources are not sending an excessively hot signal.
- **Bluetooth Connectivity Issues:**
 - Ensure the mixer is in Bluetooth mode (indicated on LCD).
 - Verify your device's Bluetooth is enabled and searching for 'KT-08UP'.
 - Move your device closer to the mixer (within 15 ft+ range).
 - Disconnect and re-pair the Bluetooth connection.
- **USB Playback/Recording Issues:**
 - Ensure the USB flash drive is properly inserted and contains compatible MP3/WAV files.
 - For computer connection, verify the USB cable is securely connected and your computer recognizes the mixer as an audio device.

8. SPECIFICATIONS

Feature	Specification
Input Mixer Channels	8-Ch. (+ FX/Headphones)
Mic Input Sensitivity/Impedance	1.5mV/750 Ohm
Input HIGH/MID/LOW Adjustment	-15/+15dB
Stereo Output Level Meter	5-Segment (+6, +3, 0, -3, -10dB)
PAD Input Channel Adjustment	26dB
Peak CLIP Level	<3dB
Phantom Power Voltage	+48V
Power Supply	100/240V (+/-15V DC Power Adapter)
Digital Audio File Compatibility File-Types	MP3, WAV
Dimensions (L x W x H)	9.3" x 10.8" x 2.6"
Weight	5.2 lbs.
Bluetooth Version	4.0
Wireless Range	15'+ ft.

9. WARRANTY AND SUPPORT

Pyle products are designed for durability and performance. For warranty information or technical support, please refer to the documentation included with your product or visit the official Pyle USA website. Keep your purchase receipt as proof of purchase for any warranty claims.