

Pyle PMX506

Pyle PMX506 6-Channel Audio Mixer User Manual

Model: PMX506

INTRODUCTION

This manual provides detailed instructions for the Pyle PMX506 6-Channel Audio Mixer. This device is designed for professional audio mixing applications, offering features such as Bluetooth connectivity, USB playback, digital effects, and multiple input options. Please read this manual thoroughly to ensure proper operation and to maximize the performance of your mixer.

IMPORTANT SAFETY INSTRUCTIONS

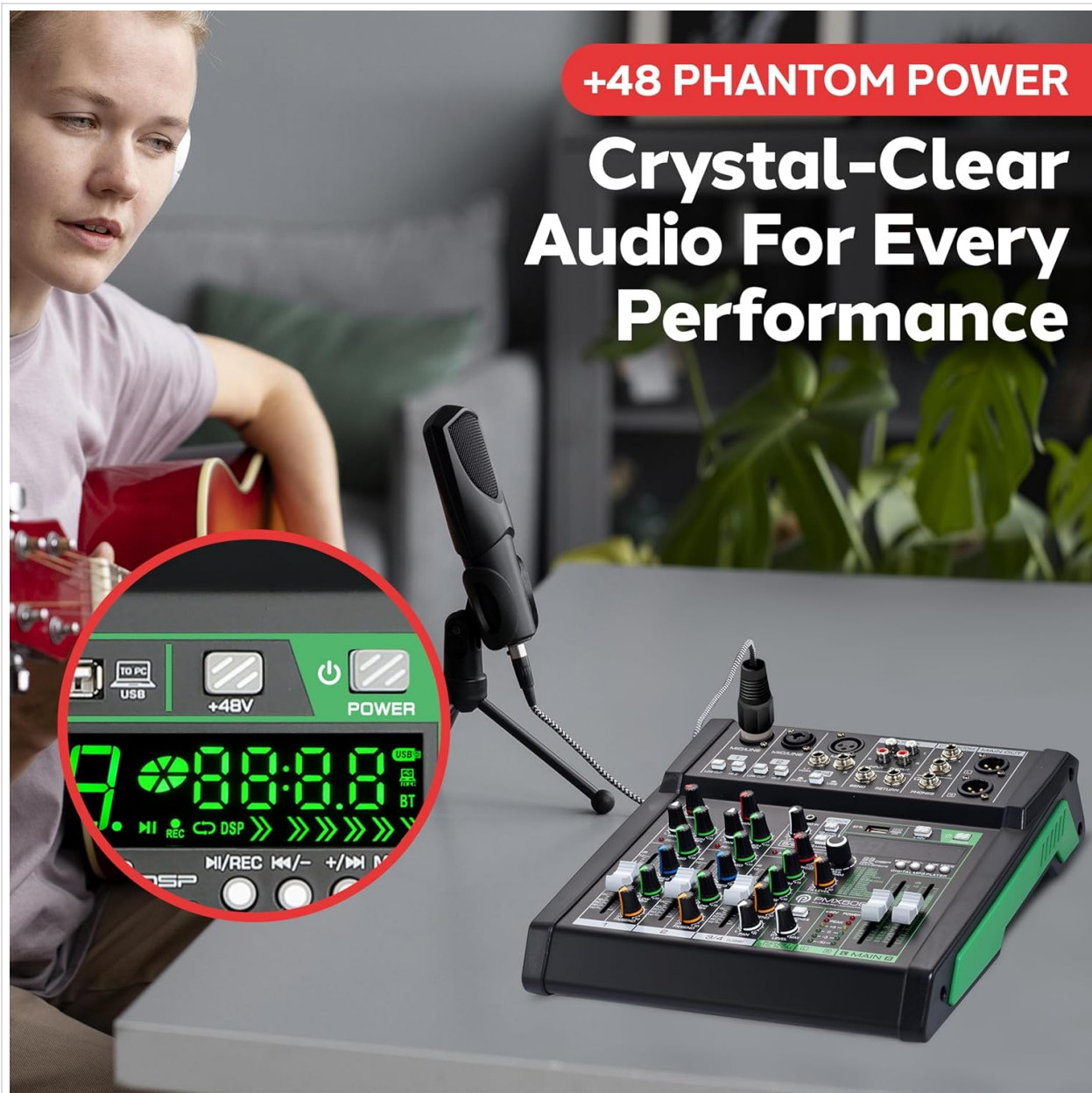
To reduce the risk of electric shock, fire, or injury, always follow these basic safety precautions:

- **Power Source:** Connect the unit only to the specified power supply.
- **Water and Moisture:** Do not expose this appliance to rain or moisture. Do not place objects filled with liquids, such as vases, on the apparatus.
- **Ventilation:** Ensure proper ventilation. Do not block any ventilation openings.
- **Heat:** Do not place near heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Cleaning:** Clean only with a dry cloth.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Cables:** Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Pyle PMX506 6-Channel Audio Mixer
- Power Adapter
- USB-C Cable



The image displays the Pyle PMX506 mixer alongside its included accessories: a power adapter for connecting to an electrical outlet and a USB-C cable for data transfer or power.

PRODUCT OVERVIEW: CONTROLS AND FEATURES

The Pyle PMX506 mixer features a comprehensive set of controls for managing audio inputs, outputs, and effects. Familiarize yourself with the layout for efficient operation.

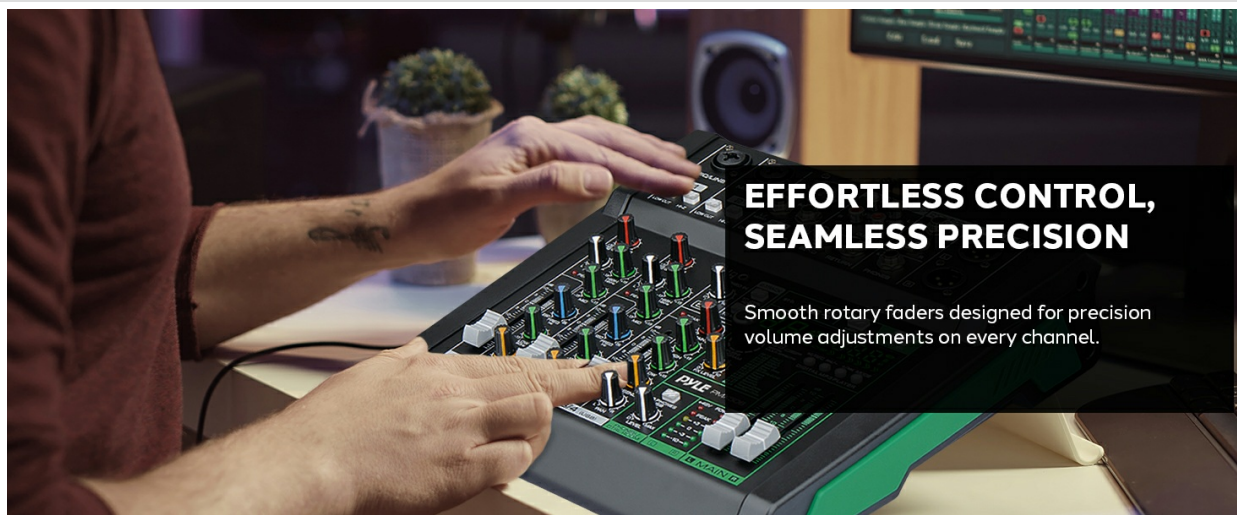


This image provides a detailed view of the Pyle PMX506 mixer's control panel. It highlights the microphone/line inputs, 2-track and main outputs, individual channel controls for gain, EQ, and effects, as well as the digital effects processor and MP3 player section with an LED display.

Input/Output Section

The top section of the mixer houses various input and output connectors:

- **MIC/LINE Inputs (Channels 1-2):** XLR/TRS combo jacks for microphones or line-level instruments.
- **CH 3/4 (USB) Input:** Stereo 1/4" TRS inputs, also used for USB audio.
- **2-TRACK Input/Output:** RCA connectors for connecting external recording devices or playback sources.
- **CTRL ROOM Output:** 1/4" TRS outputs for control room monitors.
- **MAIN OUT:** XLR outputs for connecting to main PA systems or amplifiers.
- **PHONES:** 1/4" TRS stereo output for headphones.



This diagram visually explains the connectivity options of the PMX506. It shows XLR inputs for microphones, 1/4-inch inputs for instruments like guitars and keyboards, and RCA inputs/outputs. The main outputs connect to speakers, while headphones and a PC can also be connected via dedicated ports.

Channel Controls

Each input channel (1-2 and 3/4) features dedicated controls:

- **LOW CUT:** Filters out low frequencies.
- **HI-Z:** High impedance input for instruments like guitars.
- **GAIN:** Adjusts the input sensitivity.
- **EQ (HIGH, MID, LOW):** Three-band equalizer for tone shaping.
- **FX/SEND:** Controls the amount of signal sent to the internal effects processor.
- **PAN:** Adjusts the stereo position of the channel.
- **LEVEL:** Controls the output level of the channel.
- **PEAK LED:** Illuminates when the input signal is too high, indicating potential clipping.

Master Section

The master section provides overall control for the mixer:

- **Digital MP3 Player/Effects Display:** LED screen for displaying effect numbers, MP3 track information, and Bluetooth status.
- **99 DSP Digital Multi Effects:** Rotary knob to select from 99 built-in digital effects.
- **FX LEVEL:** Adjusts the overall level of the selected effect.
- **MAIN Faders:** Controls the overall output level of the main mix.
- **+48V Phantom Power:** Button to activate phantom power for condenser microphones.
- **POWER Button:** Turns the mixer on/off.

SETUP GUIDE

Follow these steps to set up your Pyle PMX506 mixer:

1. **Power Connection:** Connect the included power adapter to the mixer's power input and then to a suitable electrical outlet.
2. **Power On:** Press the **POWER** button to turn on the mixer. The LED display will illuminate.
3. **Connect Inputs:**
 - For microphones, connect them to the MIC/LINE inputs (Channels 1-2) using XLR cables. If using

condenser microphones, activate +48V Phantom Power.

- For line-level instruments (e.g., keyboards, drum machines), connect them to the MIC/LINE inputs using 1/4" TRS cables.
- For high-impedance instruments (e.g., electric guitars), connect them to the MIC/LINE inputs and activate the **HI-Z** switch for the respective channel.
- For stereo sources or USB audio, use the CH 3/4 (USB) inputs.

4. **Connect Outputs:**

- Connect your main speakers or amplifier to the **MAIN OUT** XLR ports.
- Connect control room monitors to the **CTRL ROOM** 1/4" TRS outputs.
- Connect headphones to the **PHONES** 1/4" TRS output.

5. **Initial Level Setting:** Before playing any audio, ensure all channel **LEVEL** faders and the **MAIN** faders are set to their minimum position to prevent sudden loud sounds.

OPERATING INSTRUCTIONS

Bluetooth Connectivity

The PMX506 supports Bluetooth 5.0 for wireless audio streaming from compatible devices.

1. Ensure the mixer is powered on.
2. On your Bluetooth-enabled device (smartphone, tablet, computer), search for available Bluetooth devices.
3. Select "KG-UM" from the list to pair.
4. Once paired, you can stream audio wirelessly to the mixer. Adjust the level using the CH 3/4 (USB) channel level control.

BLUETOOTH 5.0

Wireless Bluetooth Audio Streaming



Bluetooth 5.0



45+ft Range



Hassle-free Pairing



This image demonstrates the wireless Bluetooth audio streaming capability of the PMX506 mixer. A smartphone is shown connected, emphasizing the ease of pairing and the extended range offered by Bluetooth 5.0 technology.

USB Playback and Recording

The mixer features a USB interface for MP3 playback and connection to a computer.

1. **USB Playback:** Insert a USB flash drive containing MP3 or WAV audio files into the USB port. Use the controls on the digital MP3 player section to navigate and play tracks.
2. **Computer Interface:** Connect the mixer to your computer using the provided USB-C cable. The mixer can function as an audio interface for recording and playback with compatible software.



This image shows a USB flash drive being inserted into the mixer's USB port, indicating its capability to play audio files directly from a USB drive. A laptop in the background suggests its use as a computer interface.

Using Digital Effects (DSP)

The PMX506 includes 99 built-in digital signal processing (DSP) effects to enhance your audio.

1. **Select Effect:** Rotate the **99 DSP DIGITAL MULTI EFFECTS** knob to choose an effect program (00-99). The selected number will appear on the LED display.
2. **Apply Effect:** Use the **FX/SEND** knob on each channel to send the desired amount of that channel's signal to the effects processor.
3. **Adjust FX Level:** Use the master **FX LEVEL** control to adjust the overall output level of the effects.

WHAT'S IN THE BOX?



6-ch Audio Mixer

Power Adapter



USB-C Cable

This image focuses on the digital effects section of the mixer, displaying the rotary knob for selecting one of the 99 DSP effects. A list of effect categories such as Hall, Room, Delay, Reverb, Chorus, Flanger, Tremolo, and WahWah is visible, indicating the variety of sound customization options available.

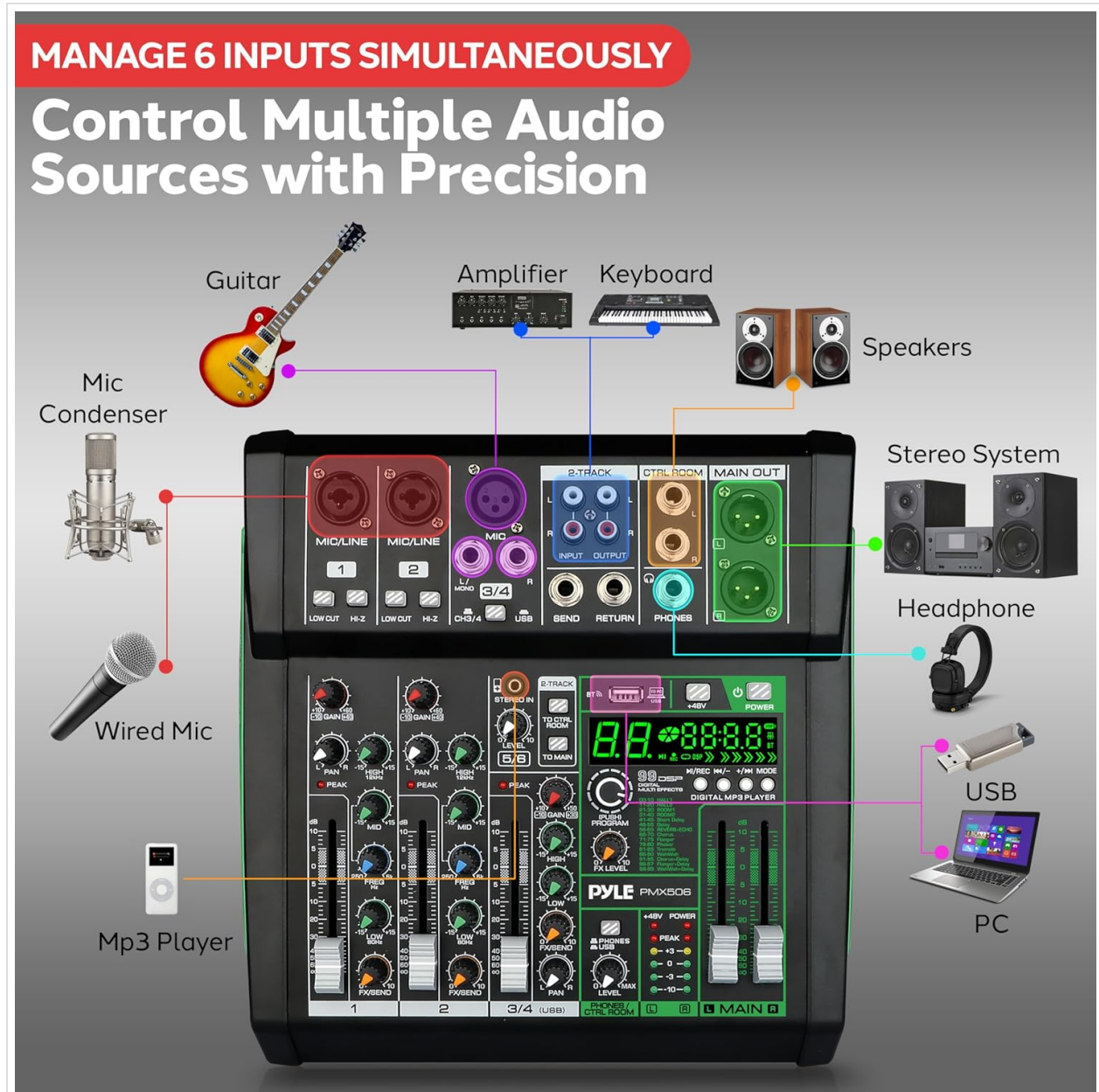


This image provides a clear, enlarged view of the digital effects list, showing the numerical ranges for each effect type. This helps users identify and select specific effects like different types of Hall, Room, Delay, Reverb, Chorus, Flanger, Tremolo, and

Activating +48V Phantom Power

Phantom power is required for condenser microphones.

1. Connect your condenser microphone to a MIC/LINE input.
2. Press the **+48V PHANTOM POWER** button. The indicator light will illuminate, supplying power to the connected microphone.
3. Ensure dynamic microphones are not connected when phantom power is active, as it can potentially damage them.



This image shows the mixer in use with a condenser microphone, highlighting the '+48V PHANTOM POWER' button. This feature is essential for powering condenser microphones to achieve clear audio recordings and live sound.



This close-up image clearly shows the +48V phantom power button being pressed, indicating its activation. The surrounding LED display shows numerical values, likely related to effect selection or other mixer settings.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Pyle PMX506 mixer.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the mixer. Avoid using abrasive cleaners, solvents, or waxes.
- **Dust Protection:** Keep the mixer covered when not in use to prevent dust accumulation, especially in faders and knobs.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Regularly inspect all cables for damage. Replace frayed or damaged cables immediately.

TROUBLESHOOTING

If you encounter issues with your Pyle PMX506 mixer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound output	<ul style="list-style-type: none">◦ Power not connected or turned on.◦ Main faders or channel levels are down.◦ Output cables are incorrectly connected or faulty.◦ Input source not connected or active.	<ul style="list-style-type: none">◦ Ensure power adapter is securely connected and mixer is on.◦ Raise MAIN faders and individual channel LEVEL controls.◦ Check all output cable connections and test with known working cables.◦ Verify input source is active and connected correctly.

Problem	Possible Cause	Solution
Distorted audio	<ul style="list-style-type: none">◦ Input gain too high (PEAK LED illuminated).◦ Output level too high.◦ Faulty cable or input device.	<ul style="list-style-type: none">◦ Reduce the GAIN control for the affected channel until the PEAK LED no longer illuminates.◦ Lower MAIN faders or channel LEVEL controls.◦ Test with different cables and input devices.
Bluetooth not pairing	<ul style="list-style-type: none">◦ Mixer not in pairing mode.◦ Device too far from mixer.◦ Interference from other devices.	<ul style="list-style-type: none">◦ Ensure the mixer's Bluetooth function is active (often indicated on the LED display).◦ Move your device closer to the mixer.◦ Turn off other Bluetooth devices nearby.◦ Try restarting both the mixer and your Bluetooth device.
USB playback not working	<ul style="list-style-type: none">◦ USB drive not properly inserted.◦ Unsupported file format.◦ Corrupted USB drive or files.	<ul style="list-style-type: none">◦ Ensure the USB drive is fully inserted.◦ Verify files are in MP3 or WAV format.◦ Try a different USB drive or reformat the current one.

SPECIFICATIONS

Feature	Detail
Model Number	PMX506
Number of Channels	6
Connectivity Technology	Auxiliary, Bluetooth, USB
Bluetooth Version	5.0
Digital Effects	99 DSP Multi Effects
Phantom Power	+48V
Product Dimensions	10.4"D x 11"W x 2.9"H (26.4 x 27.9 x 7.4 cm)
Item Weight	5.3 pounds (2.4 kg)
Power Source	Corded Electric
Compatible Audio Files (USB)	MP3, WAV

WARRANTY AND SUPPORT




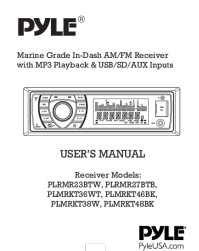

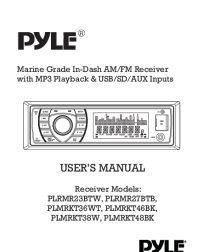
Pyle products typically come with a manufacturer's warranty. For specific warranty details, please refer to the

documentation included with your product or visit the official Pyle website. For technical support or service inquiries, please contact Pyle customer service.

Pyle Official Website: www.pyleusa.com

Pyle Store on Amazon: [Visit the Pyle Store](#)

Related Documents - PMX506

	<p>Pyle PMX462, PMX464, PMX466 Audio Mixer User Guide</p> <p>Comprehensive user guide for Pyle PMX462 (3-Channel), PMX464 (4-Channel), and PMX466 (6-Channel) audio mixers. Details features, technical specifications, operation, maintenance, and connectivity.</p>
	<p>Pyle PMX646 & PMX648 Audio Mixer User Manual</p> <p>Comprehensive user manual for Pyle PMX646 6-Channel and PMX648 8-Channel Audio Mixers. Learn about features, operation, signal levels, EQ, effects, and troubleshooting for professional audio production.</p>
	<p>Pyle PT8050CH & PT12050CH 8/12-Channel Audio Karaoke Wireless BT Amplifier User Manual</p> <p>User manual for the Pyle PT8050CH and PT12050CH 8/12-Channel Audio Karaoke Wireless BT Amplifier. This guide covers features, controls, troubleshooting, and technical specifications for these stage and studio sound mixer receiver systems.</p>
	<p>Pyle Marine Grade In-Dash AM/FM Receiver with MP3 Playback & USB/SD/AUX Inputs User Manual</p> <p>User manual for the Pyle Marine Grade In-Dash AM/FM Receiver with MP3 Playback & USB/SD/AUX Inputs. Covers installation, operation, Bluetooth, radio, USB/SD card, and troubleshooting for models PLRMR23BTW, PLRMR27BTB, PLMRKT36WT, PLMRKT46BK, PLMRKT38W, PLMRKT48BK.</p>
	<p>Pyle PT8050CH & PT12050CH Wireless BT Amplifier User Guide</p> <p>User guide for the Pyle PT8050CH (8-Channel) and PT12050CH (12-Channel) Audio Karaoke Wireless BT Amplifiers. Learn about features, controls, troubleshooting, and technical specifications for these stage and studio sound mixer receiver systems.</p>
	<p>Pyle Marine Grade In-Dash AM/FM Receiver User Manual</p> <p>User manual for the Pyle Marine Grade In-Dash AM/FM Receiver with MP3 Playback & USB/SD/AUX Inputs. Covers installation, operation, Bluetooth, and troubleshooting for models PLRMR23BTW, PLRMR27BTB, PLMRKT36WT, PLMRKT46BK, PLMRKT38W, PLMRKT48BK.</p>

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CTA TESTING

CTA TESTING

[pdf] Specifications Test Report

Test Report BT part1 SOUND AROUND PMX508 2ASQD 2ASQDPMX508 pmx508

Shenzhen CTA Testing Technology Co., Ltd. Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Co ... /Type reference : PMX508 Listed Models : **PMX506** Modulation : GFSK, /4DQPSK Frequency

lang:en score:12 filesize: 4.52 M page_count: 33 document date: 2024-10-18