Pyle PTAU45.5

Pyle Home PTAU45.5 Bluetooth Audio Power Amplifier User Manual

Model: PTAU45.5
Brand: Pyle

1. INTRODUCTION

Thank you for purchasing the Pyle Home PTAU45.5 Bluetooth Audio Power Amplifier. This compact 2-channel stereo receiver is designed for versatile home audio and PA applications, offering 2x120 watts of power. It features multiple input options including RCA, AUX, and USB, along with Bluetooth connectivity for wireless audio streaming. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance and longevity of your device.

2. SAFETY INSTRUCTIONS

- **Power Supply:** Ensure the amplifier is connected to a power source matching the specified voltage (110/220V selectable).
- **Ventilation:** Do not block ventilation openings. Proper airflow is essential to prevent overheating.
- **Moisture:** Keep the amplifier away from water, moisture, and high humidity environments.
- **Heat Sources:** Avoid placing the unit near heat sources such as radiators, heat registers, stoves, or other heat-producing appliances.
- **Cleaning:** Disconnect power before cleaning. Use a dry cloth for cleaning.
- **Servicing:** Do not attempt to service the unit yourself. Refer all servicing to qualified service personnel.
- **Speaker Impedance:** Connect speakers with an impedance of 4-8 ohms to prevent damage to the amplifier.

3. Package Contents

Please check the box for the following items:

- Pyle Home PTAU45.5 Stereo Power Amplifier
- Built-in Power Plug
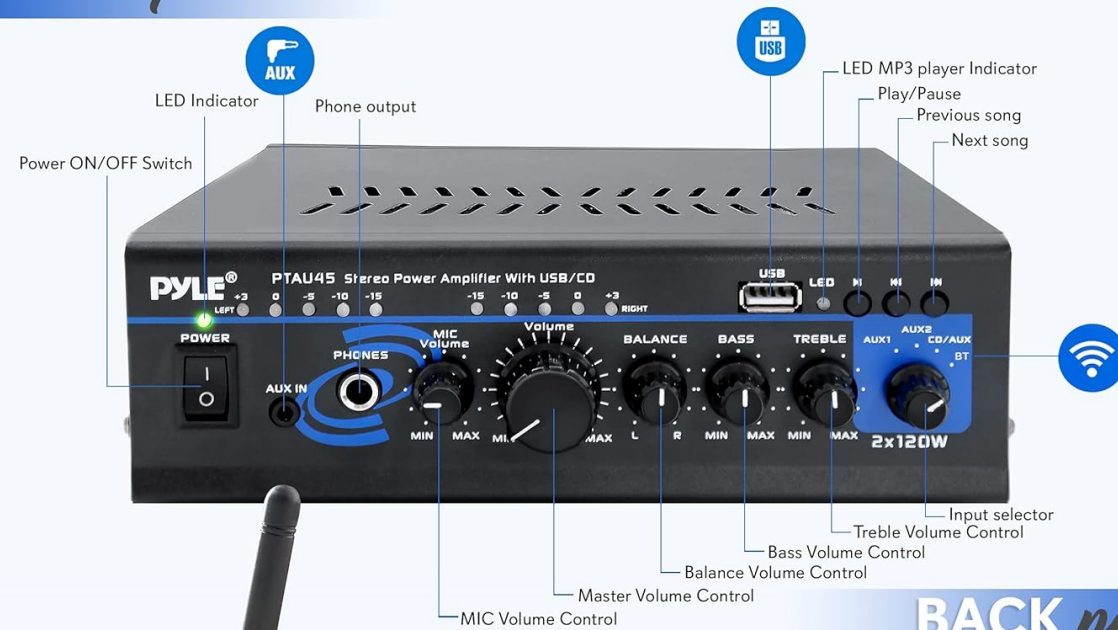- Audio Jack (RCA cable)
- Quick Start Guide

Image: The Pyle Home PTAU45.5 amplifier shown with its built-in power plug and an included audio jack (RCA cable), illustrating the typical contents of the product package.

4. Product Overview

4.1 Front Panel

Image: A detailed diagram showing the layout of the front and rear panels of the Pyle Home PTAU45.5 amplifier, with labels for each control and connector.

- **POWER Switch:** Turns the amplifier ON or OFF.

- **LED Indicator:** Illuminates when the unit is powered on.

- **AUX-IN (3.5mm):** Connect external audio devices like smartphones or MP3 players.

- **PHONES (1/4" Headphone Jack):** Connect headphones for private listening.

- **MIC Volume:** Adjusts the volume level of the connected microphone.

- **Volume:** Master volume control for overall audio output.

- **Balance:** Adjusts the left/right channel balance.

- **Bass:** Adjusts the low-frequency audio output.

- **Treble:** Adjusts the high-frequency audio output.

- **USB IN:** Connect a USB flash drive for MP3 audio playback.

- **LED (USB):** Indicates USB activity.

- **Playback Controls (USB):** Play/Pause, Previous Song, Next Song buttons for USB playback.

- **Input Selector:** Rotary switch to select audio input source (AUX1, AUX2, CD, USB).

4.2 Rear Panel

- **MIC Input (1/4"):** Connect a microphone for PA or karaoke functions.
- **PAGER/MIXING Switch:** Selects microphone mode. In Pager mode, microphone audio overrides other sources. In Mixing mode, microphone audio mixes with other sources.
- **INPUT (RCA L/R):** Connect external audio sources (CD, AUX1, AUX2) using RCA cables.
- **REC OUT (RCA L/R):** Provides a fixed audio output for recording.
- **SPEAKERS (L/R):** Connect passive speakers (4-8 ohms impedance).
- **VOLTAGE Selector (110/220V):** Selects the appropriate voltage for your region.
- **FUSE:** Replaceable fuse for circuit protection.
- **AC IN:** Power cord connection.
- **Wireless BT Antenna:** For Bluetooth connectivity.

5. SETUP

5.1 Connecting Speakers

1. Ensure the amplifier is turned OFF and unplugged from the power outlet.
2. Connect your passive speakers to the **SPEAKERS (L/R)** terminals on the rear panel. Ensure correct polarity (red to red, black to black). The amplifier supports 4-8 ohm speakers.

5.2 Connecting Audio Sources

1. **RCA Inputs (CD, AUX1, AUX2):** Use RCA cables to connect audio devices like CD/DVD players, MP3 players, or computers to the corresponding RCA input jacks on the rear panel.
2. **AUX-IN (3.5mm):** For mobile devices, connect a 3.5mm audio cable from your device's headphone jack to the **AUX-IN** port on the front panel.
3. **USB Input:** Insert a USB flash drive (up to 32GB) containing MP3 audio files into the **USB IN** port on the front panel.
4. **Microphone:** Connect a 1/4" microphone to the **MIC Input** on the rear panel.

MULTIPLE INPUTS

supports various external sources;
Also features 1/4" microphone input.

Image: The rear panel of the amplifier showing various input options, including RCA inputs for CD, AUX1, and AUX2, and a 1/4" microphone input, demonstrating how to connect multiple external audio sources.

5.3 Power Connection

1. Before plugging in, ensure the **VOLTAGE Selector** on the rear panel is set to the correct voltage for your region (110V or 220V).

2. Connect the power cord to the **AC IN** port on the rear panel and then plug it into a wall outlet.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

Press the **POWER** switch on the front panel to turn the amplifier ON. The LED indicator will illuminate. Press it again to turn OFF.

6.2 Input Selection

Rotate the **Input Selector** knob on the front panel to choose your desired audio source: AUX1, AUX2, CD, or USB. For Bluetooth, select 'USB' input when no USB drive is inserted.

6.3 Volume and Tone Control

- **Volume:** Adjust the main **Volume** knob to control the overall output level.

- **Balance:** Use the **Balance** knob to adjust the relative volume between the left and right speakers.

- **Bass/Treble:** Adjust the **Bass** and **Treble** knobs to fine-tune the low and high frequencies of your audio.

6.4 Bluetooth Connectivity

1. Turn on the amplifier and select 'USB' as the input source using the **Input Selector**. Ensure no USB drive is inserted. The unit will enter Bluetooth pairing mode.

2. Activate Bluetooth on your mobile device (smartphone, tablet, etc.).

3. Search for available Bluetooth devices and select 'PYLE' from the list.

4. Once paired, you can stream audio wirelessly from your device to the amplifier.

BLUETOOTH COMPATIBLE
Equipped with version 5.1 Bluetooth;
Simple and Hassle-free pairing.

Image: The Pyle Home PTAU45.5 amplifier is shown connected via Bluetooth to a smartphone, highlighting its wireless streaming capability for modern devices.

6.5 USB Playback

1. Insert a USB flash drive with MP3 files into the **USB IN** port.

2. Select 'USB' as the input source. The amplifier will automatically begin playing MP3 files.

3. Use the **Playback Controls** (Play/Pause, Previous Song, Next Song) to manage your music.

PAGER/MIXING MODE
override to auto talkover,
use for hosting & meetings

USB 2.0 INPUT
features a USB input to support
flash drives or similar USB devices

EQ CONTROLS
features crisp
& responsive buttons

Image: A close-up of the amplifier's front panel, detailing the USB 2.0 input for flash drives, the microphone volume control, and the EQ controls for bass and treble adjustments.

6.6 Microphone Usage (PA/Karaoke)

1. Connect a 1/4" microphone to the **MIC Input** on the rear panel.

2. Adjust the **MIC Volume** knob on the front panel to control the microphone's output level.

3. Use the **PAGER/MIXING** switch on the rear panel:

   - **PAGER Mode:** Microphone audio will temporarily mute or significantly lower the volume of other audio sources, ideal for announcements.

   - **MIXING Mode:** Microphone audio will blend with other selected audio sources, suitable for karaoke or background commentary.

Video: An official product video demonstrating the features and functionality of the Pyle Home PTAU45.5 amplifier, including its various inputs and controls. This video provides a visual guide to setting up and operating the device.

Video: A detailed review highlighting the Bluetooth capabilities of the Pyle Home PTAU45.5 amplifier. This video explains how to connect and stream audio wirelessly, and demonstrates the Pager/Mixing mode for microphone use.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the amplifier. Do not use liquid cleaners or aerosol cleaners.
- **Ventilation:** Regularly check that the ventilation slots are free from dust and debris to ensure proper cooling.
- **Fuse Replacement:** If the amplifier does not power on, check the fuse on the rear panel. Replace it with a fuse of the same type and rating (1.5A, 5x20mm).

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cord not connected; Power switch off; Blown fuse	Check power cord connection; Turn power switch ON; Replace fuse (1.5A, 5x20mm)
No sound output	Incorrect input selected; Volume too low; Speaker connections loose; Faulty audio source	Select correct input; Increase volume; Check speaker wiring; Test with another audio source
Bluetooth not connecting	Incorrect input selected; Device not in pairing mode; Distance too far	Select 'USB' input (without USB drive); Ensure device Bluetooth is ON and searching; Move device closer to amplifier
Microphone not working	Microphone not connected; MIC Volume too low; Incorrect PAGER/MIXING mode	Connect microphone securely; Increase MIC Volume; Switch PAGER/MIXING mode as needed
Distorted sound	Volume too high; Incorrect tone settings; Faulty audio source/speakers	Lower volume; Adjust Bass/Treble; Test with different source/speakers

9. SPECIFICATIONS

- **AMP Power:** 2 x 120 Watt Max

- **Frequency Response:** 20-20KHz

- **Rated Power Input:** 750mV

- **T.H.D.:** 0.3%

- **S/N Ratio:** 80dB

- **Tone Controls:** +/-12dB

- **Input Sensitivity:** 1 kHz @ 4-Ohm

- **Digital Audio File Support:** MP3

- **Maximum USB Flash Support:** 32 GB

- **Fuse:** 1.5A, 5x20mm

- **Power:** 110/220 Voltage Selector

- **Dimensions (W x H x D):** 8.2" x 6.6" x 2.8" -inches

- **Item Weight:** 5.46 pounds

10. WARRANTY AND SUPPORT

Pyle products are designed for reliability and performance. For warranty information, please refer to the documentation included with your purchase or visit the official Pyle website. If you encounter any issues or require technical assistance, please contact Pyle customer support. Keep your purchase receipt for warranty claims.