Manuals+ — User Manuals Simplified.

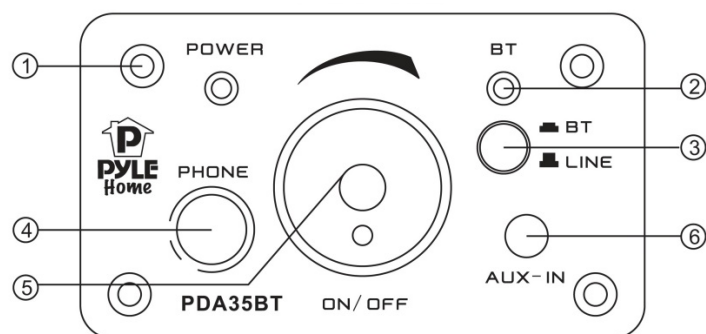# Pyle PDA35BT Mini Bluetooth Amplifier & Headphone Amp User Manual

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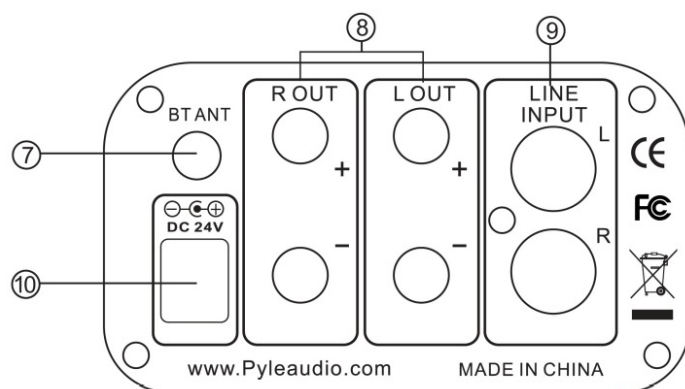## Pyle PDA35BT Mini Bluetooth Amplifier & Headphone Amp

Thank you for purchasing the PYLE Audio PDA35BT Class T Digital Audio Power Amplifier. This amplifier features the Tripath TP2050 chipset that provides 50W continuous power per channel (100W total) into an 8-ohm load. Class T amplifiers use Tripath's proprietary Digital Power Processing Technology to offer the audio fidelity of a Class AB amplifier while providing the power efficiency of Class D.

FRONT PANEL

REAR PANEL

Warning: Please make sure the rotary control knob is powered OFF, prior to connecting the power supply to the unit. The amplifier is powered OFF once the rotary knob: turned counter-clockwise until you hear a 'click'.

Front Panel

1. **Power LED**

   The red power LED indicates the unit is receiving power and is fully operational.

2. **Bluetooth LED**

   Blue Bluetooth LED indicates the unit is receiving the BT signal.

3. **BT/LINE Input Switch**

   Mode button switches between the Bluetooth and Line audio inputs. Push-in is for Bluetooth function, and push-out is for line audio input.

4. **1/4" Headphone Jack**

   The PDA35BT is a high-fidelity headphone amplifier that will drive any headphone easily and delivers a colossal sound stage and effortless dynamic range. The 1/4"stereo jack allows the connection of larger home

and studio-style headphones. An adapter is also provided so that smaller 3. 5mm personnel-style headphones can be used.

Note: When headphones are plugged into the headphone jack, the speaker output connections are disconnected.

5. **Power/ Volume Control**

This control turns on the unit and adjusts the volume level of the amplifier. When the unit is turned on, the power LED will become fully illuminated. To turn the unit off, turn the control fully counterclockwise until it "clicks" to the off position. It is normal for the power LED to slowly dim and then go completely out when the unit is first turned off.

6. **3. 5mm Aux/ Audio Input**

The unit features a convenient front-mounted 3. 5mm stereo input for quick connection of iPods, MP3 players, and other portable audio devices.

Rear Panel:

7. **Bluetooth Antenna**

Using the antenna is best receiving for Bluetooth signals.

8. **Speaker Outputs**

The speaker output connections utilize high-current banana plug receptacles that are spaced on 3/ 4" centers and are compatible with standard double banana plug connectors (sold separately). The connections are color coded for easy polarity identification. High-quality screw-on banana plugs that will accept 10AWG- 18AWG wire are included

9. **RCA- Type Audio/ Line Input**

RCA- type line level input for permanent connection of larger devices such as CD players, PCs, and DVD players. An RCA to 3. 5mm adapter is also provided for added connection flexibility. **Note:** When a device is plugged into the front-mounted 3. 5mm input, the RCA input jacks are disconnected.

10. **Power Connection**

The PDA35BT operates on 24VDC and MUST be used with a power supply that can provide at least 5A. A world compatible (100V- 240V) switch mode power supply is included with the unit and is supplied with a U. S. A style cord. To operate in other countries an appropriate power cord will need to be purchased. The power connection on the unit is a 2. 5mm x 5. 5mm jack with center pin being positive. Note: if an inappropriate power supply is used and the unit is damaged, the warranty will be voided. Ensure that the amplifier is powered down. Locate the banana plugs and remove the protective rubber boots. Loosen the set screws using a small straight blade screw

Connecting your loudspeakers to the PDA35BT:

Remove approximately 1/ 2" of the insulation from your speaker wire positive and negative conductors. Slide the appropriate colored (red for positive, black for negative) rubber boot over the speaker wire. Insert the conductors into the banana plugs and tighten the set screws and slide protective rubber boots back into place. While observing proper polarity insert banana plugs into the speaker output receptacles on the back of the PDA35BT.

BLUETOOTH OPERATION INSTRUCTION:

Powered OFF

External devices which have a built- in Bluetooth feature can be connected to this amplifier wirelessly to play through the amplifier's speakers.

1. At first be sure that the amplifier is powered on, and turn the volume to the LOW position. And it's better to pull the Bluetooth Antenna on at the back panel for better receiving.
2. Press the BT/ Line button switch in on the front panel, you will hear the voice "POWER ON" and also "PAIRING", and then the unit is automatically ready to pair with your external device.
3. Turn on the Bluetooth of your external devices like Smartphone, Computer, and others, etc.
4. Search for available Bluetooth devices within range of your external device and wait for your device to select "BT- RY" on the pairing devices lists.
5. And seconds later when you heard a voice "Your Device is Connected", then the Bluetooth pairing is success.
6. You can now play music on your external device through the amplifier.

CAUTION
RISK OF ELECTRIC SHOCK

Warning: Please make sure the rotary control knob is powered OFF, prior to connecting the power supply to the unit. The amplifier is powered OFF once the rotary knob: turned counter-clockwise until you hear a 'click'.

Features

- **Model:** PDA35BT
  - Built-in Bluetooth for Wireless Audio Streaming Works with All of Your Favorite Devices (iPhone, Android, Smartphone, iPad, Tablet, etc.) 1/4" Headphone Jack (Doubles as Headphone Amp) 3.5mm (AUX) Input Connector Jack
  - Ability to Connect Additional External Devices
  - LED Indicator Lights
  - Rotary Knob Volume Control
  - Bluetooth Button Activation
- **Speaker Input:** Banana Plug Speaker Connectors Speaker Output: RCA (L/R) Connector Jacks Short Circuit, Thermal and Overload Protection Mini / Compact Amp
- **Technical Specs:**
- **MAX Power Output:** 100 Watt
- **RMS Power Output:** 50 Watt x 2 @ 8 Ohm
- **T.H.D.:** <0.01% @ 30 Watt, <5.0% @ 50 Watt Bluetooth Version: 4.0

- **Bluetooth Wireless Range:** 30′ Feet
- **Bluetooth Network Name:** 'BT-RY'
- **Bluetooth Password:** 'BT-RY' Class T Amp Design
- **Min. Speaker Impedance:** 6 Ohm
- **S/N Ratio:** 103dB, A-Weighted
- **Input Impedance:** 2K Ohm +/-5%
- **Frequency Response:** 20-20kHz
- **Channel Separation:** 95dB
- **Dynamic Range:** >100dB
- **Efficiency:** 85%
- **Power Requirement:** 24V DC, 5A
- **Worldwide Compatibility:** 100-240V, Switchable Dimensions (H x W x D): 1.9" x 3.6" x 4.9"
- **Weight:** 1.06 lbs.
- **Accessories Included:**
  - (2) Pair Screw-Type Banana Plug Speaker Connectors 3.5mm to 1/4" Stereo Headphone Adapter
  - 3.5mm to Dual RCA 'Y' Connector Cable
  - 3.5mm Audio Input Cable
  - Wall Plug Power Adapter

PyleAudio.com

FREQUENTLY ASKED QUESTIONS

What is the Pyle PDA35BT Mini Bluetooth Amplifier & Headphone Amp used for?

The Pyle PDA35BT is a mini Bluetooth amplifier and headphone amp designed to provide audio amplification for various devices and Bluetooth connectivity for wireless audio streaming.

What are the power output and impedance specifications of the amplifier?

Yes, you can connect your Bluetooth-enabled smartphone, tablet, or other compatible devices wirelessly to the Pyle PDA35BT for audio streaming.

Does the amplifier have an option to connect wired audio sources?

Yes, the Pyle PDA35BT features multiple input options, including a 3.5mm aux input and RCA (L/R) audio inputs for wired audio sources.

Is there a headphone output on the Pyle PDA35BT?

Yes, the PDA35BT has a built-in headphone amplifier, allowing you to connect headphones directly to the unit for private listening.

Can I use the amplifier with passive speakers?

Yes, the Pyle PDA35BT can be used with passive speakers, as it is designed to power traditional speakers.

Does the amplifier have built-in volume control?

Yes, the Pyle PDA35BT has a built-in volume control that allows you to adjust the audio output.

Is there a remote control included with the amplifier?

The availability of a remote control may vary depending on the model or package, but some versions of the Pyle PDA35BT come with a remote control for convenient operation.

What is the Bluetooth range of the amplifier?

The Bluetooth range of the PDA35BT is typically around 33 feet (10 meters) in an open area, but the actual range may vary based on the environment.

Can I use the amplifier with my TV or computer speakers?

Yes, you can connect the Pyle PDA35BT to your TV or computer speakers via the aux or RCA inputs, enhancing the audio output.

Does the amplifier support aptX or other high-quality Bluetooth codecs?

The Pyle PDA35BT may not support advanced Bluetooth codecs like aptX, as it is a mini amplifier designed for general use.

Can I pair multiple devices with the Bluetooth amplifier?

Yes, you can pair multiple Bluetooth devices with the PDA35BT, but it can only connect and stream audio from one device at a time.

Is the Pyle PDA35BT portable and lightweight?

Yes, the PDA35BT is designed to be compact, lightweight, and easily portable, making it convenient for various applications.

Can I use the amplifier for outdoor events or parties?

Yes, you can use the Pyle PDA35BT for outdoor events or parties, provided you have access to a power source.

Does the amplifier support bass and treble controls?

Yes, the Pyle PDA35BT typically includes bass and treble controls, allowing you to customize the sound to your preferences.

Is there a built-in EQ (equalizer) on the amplifier?

Yes, the amplifier usually features a built-in EQ with different preset sound modes.

Can I use the Pyle PDA35BT as a desktop headphone amp for my computer?

Yes, you can connect the Pyle PDA35BT to your computer via the aux input and use it as a headphone amp for private listening.

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