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› Pyle Amplified Wireless Bluetooth Audio Controller PLMRBT18 User Manual

Pyle PLMRBT18

Pyle Amplified Wireless Bluetooth Audio Controller

Model: **PLMRBT18**

PRODUCT OVERVIEW

The Pyle PLMRBT18 is an amplified wireless Bluetooth audio controller designed for universal mounting in various vehicles, including cars, trucks, ATVs, UTVs, 4x4s, boats, marine watercraft, and powersport vehicles. It features a built-in wireless Bluetooth audio receiver and a 2-channel 300-watt amplifier style, providing full-range stereo sound reproduction.

Its marine-grade construction ensures water-resistant and weatherproof performance, making it suitable for demanding environments. The unit allows for easy control of media playback, including play/pause, track skipping, and volume adjustment. It also includes an auxiliary (3.5mm) input for connecting additional external devices and pre-amp RCA outputs for integration with other amplifiers.



Figure 1: The Pyle PLMRBT18 Amplified Wireless Bluetooth Audio Controller, showcasing its compact design and illuminated control buttons.

KEY FEATURES

- **2-Channel Amplifier Style:** Provides 300 watts of maximum power output, allowing control over media playback (play, pause, skip, volume).
- **Bluetooth-Compatible:** Equipped with wireless Bluetooth for hassle-free pairing with smartphones, tablets, and other Bluetooth-enabled devices.
- **Aux 3.5mm Input:** Allows connection and audio streaming from additional external devices. Features pre-amp RCA output for connection to mono-block or full-range amplifiers.
- **Weatherproof Design:** Marine-grade construction ensures water-resistant and weatherproof performance for various vehicle applications.
- **Integrated Mounting Kit:** Includes a flush mounting kit with an integrated power wiring harness for universal vehicle mounting and in-console installation.
- **Safety Features:** Incorporates anti-thump and soft turn on/off functions, along with overload and power protection circuitry.

2-CHANNEL AMPLIFIER STYLE

POWER OUTPUT OF 300 WATT MAX



2 x 75 Watts RMS @ 4 Ohm

2 x 150 Watts MAX @ 4 Ohm

Figure 2: Illustration of the 2-channel amplifier style and power output capabilities of the PLMRBT18.

WATER RESISTANT



Figure 3: The PLMRBT18 unit demonstrating its water-resistant design, suitable for marine and powersport environments.

WHAT'S IN THE BOX

Upon opening the package, you should find the following components:

- Pyle PLMRBT18 Wireless Audio Controller
- Auxiliary (3.5mm) Input Cable
- Integrated Power Wiring Harness
- Flush Mounting Kit
- Quick Start Guide (as per product documents)

WHAT'S IN THE BOX

WIRELESS AUDIO CONTROLLER



Figure 4: The main components included with your Pyle PLMRBT18 unit.

INSTALLATION AND SETUP

Mounting

The PLMRBT18 is designed for universal vehicle mounting and can be in-console flush mounted. Choose a location that is easily accessible and provides clear line-of-sight for Bluetooth connectivity, while also being protected from direct harsh elements if not fully enclosed.

1. Select a flat surface for mounting the unit.
2. Use the provided flush mounting kit to secure the controller. Ensure the mounting hole is appropriately sized for a snug fit.
3. Confirm the unit is securely fastened to prevent movement during vehicle operation.



Figure 5: The PLMRBT18 is suitable for a wide range of vehicles and marine applications.

Wiring

Connect the integrated power wiring harness according to the following guidelines. It is recommended to have this installed by a professional if you are unsure about vehicle electrical systems.

1. Connect the **Red** wire (ACC) to a switched 12V power source (e.g., ignition accessory). This is crucial for the unit to power on and off correctly.
2. Connect the **Yellow** wire (B+) to a constant 12V power source.
3. Connect the **Black** wire (GND) to a solid chassis ground point.
4. Connect the speaker wires (typically pairs of solid and striped wires) to your speakers. Ensure correct polarity for optimal sound.
5. If using an external amplifier, connect the RCA pre-amp outputs from the PLMRBT18 to the inputs of your amplifier.
6. Ensure all connections are secure and insulated to prevent short circuits.

OPERATION

Power On/Off

- To power on the unit, press and hold the **POWER** button (center button) until the unit illuminates.
- To power off the unit, press and hold the **POWER** button again until the illumination turns off.

Bluetooth Pairing

The PLMRBT18 features hassle-free Bluetooth pairing for wireless audio streaming.

1. Ensure the PLMRBT18 unit is powered on.
2. On your mobile device (smartphone, tablet, etc.), enable Bluetooth and search for available devices.
3. Select '**PyleAudio**' or a similar name from the list of devices.
4. Once paired, the unit will confirm the connection, and you can begin streaming audio. The unit will typically remember the last connected device for automatic re-connection.



Figure 6: Wireless Bluetooth streaming from a mobile device to the PLMRBT18 for convenient audio control.

Audio Control

- **Volume Up:** Press the **+ VOL** button.
- **Volume Down:** Press the **- VOL** button.
- **Play/Pause:** Press the **POWER** button (center button) briefly.

- **Next Track:** Press the >>| button.
- **Previous Track:** Press the |<< button.

Auxiliary Input

To use the 3.5mm auxiliary input:

1. Connect your external audio device to the 3.5mm AUX input port on the PLMRBT18 using the provided cable.
2. Press the **SOURCE** button (typically indicated by a </> icon) to switch to auxiliary input mode.
3. Control playback from your connected external device. Volume can still be adjusted via the PLMRBT18 unit.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Pyle PLMRBT18 unit.

- **Cleaning:** Use a soft, damp cloth to clean the exterior of the unit. Avoid using harsh chemicals, solvents, or abrasive cleaners, as these can damage the finish or internal components.
- **Water Exposure:** While the unit is water-resistant, it is not designed for submersion. Ensure all connections are properly sealed and protected from excessive moisture. If exposed to saltwater, rinse with fresh water and dry thoroughly.
- **Storage:** If storing the vehicle or watercraft for an extended period, ensure the unit is powered off. For very long storage, disconnecting the power supply may be advisable.
- **Connection Checks:** Periodically inspect all wiring connections for corrosion or looseness, especially in marine environments.

TROUBLESHOOTING

If you encounter issues with your PLMRBT18, refer to the table below for common problems and their solutions.

Problem	Possible Cause	Solution
Unit does not power on.	Incorrect wiring; Blown fuse; No power to ACC wire.	Check power and ground connections. Ensure the ACC (Red) wire is connected to a switched 12V source. Check vehicle's fuse box and the unit's inline fuse.
No audio output.	Volume too low; Incorrect source selected; Speaker wires disconnected; External amplifier issues.	Increase volume on the unit and connected device. Verify correct source (Bluetooth/AUX). Check all speaker wire connections. If using an external amplifier, ensure it is powered on and connected correctly.
Bluetooth not pairing.	Unit not in pairing mode; Device too far; Interference; Previously paired device.	Ensure the unit is powered on and Bluetooth is enabled on your device. Move device closer to the unit. Turn off other Bluetooth devices. Try "forgetting" the device on your phone and re-pairing.
Distorted or poor sound quality.	Low quality audio source; Improper volume levels; Loose connections; Speaker impedance mismatch.	Try a different audio source. Adjust volume levels on both the unit and the connected device. Check all wiring connections for looseness or corrosion. Ensure speakers are compatible with the unit's impedance.

TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	PLMRBT18
Amplifier Style	2-Channel
Power Output	300 Watt Max
Connectivity Technology	Bluetooth, Aux (3.5mm)
Wireless Communication Standard	Bluetooth
Marine Grade Construction	Water-Resistant, Weatherproof
Pre-Amp Output	RCA
Item Weight	14.9 ounces
Package Dimensions	11.1 x 5.55 x 4.84 inches

WARRANTY AND SUPPORT

Pyle products are designed and manufactured to the highest quality standards. For specific warranty information, please refer to the warranty card included with your product or visit the official Pyle USA website.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact Pyle customer service. You may also find additional resources, including a detailed user manual in PDF

format, on the Pyle USA website or via the following link:

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