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› [PRYME®](#) /

› PRYMEBLU® BT-501-V2 Bluetooth Adapter User Manual

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PRYMEBLU® BT-501-V2 Bluetooth Adapter User Manual

Brand: PRYME® | Model: BT-501-V2

Enhance Your Communication Experience with This Versatile Adapter for Kenwood, Baofeng, Wouxun, AnyTone, & TYT 2-Pin Amateur Radios.

1. SETUP

1.1 Powering On/Off Devices

Before beginning the pairing process, ensure all devices are powered off. This includes your two-way radio, the PRYMEBLU® BT-501-V2 adapter, any Bluetooth headset or wireless audio accessory, and the PRYMEBLU® PTT button.

For the PRYMEBLU® PTT button, the power switch may be located on the outside or inside, depending on the model. If it's on the inside, gently rotate the housing counter-clockwise to open it. Use a ballpoint pen or paper clip to move the switch to the "on" position.



Image: Front view of the PRYMEBLU® BT-501-V2 Bluetooth Adapter, showing its compact design and the PRYMEBLU V2 branding.



Image: Side view of the PRYMEBLU® BT-501-V2 Bluetooth Adapter, highlighting the two-pin connector for radio attachment.

1.2 Disabling Bluetooth on Other Devices

To prevent interference during the pairing process, power off or disable Bluetooth on any nearby wireless devices such as phones or tablets. These devices can be safely powered back on once all components are successfully paired.

1.3 Initial Pairing: Headset to Adapter

The process for pairing your Bluetooth headset or wireless audio accessory to the PRYMEBLU® BT-501-V2 adapter is covered in a separate instructional video. Ensure this step is completed before attempting to connect the PTT button to the adapter.

1.4 Adapter Pairing Mode (Headset)

To put the adapter into the pairing mode for a Bluetooth headset, hold down the button on the PRYMEBLU® BT-501-V2 wireless adapter while powering on the two-way radio. Continue holding the button until the LED light on the adapter begins to flash two times per second. You can then release the button. The adapter is now in pairing mode for connecting a Bluetooth headset or wireless audio accessory.

Your browser does not support the video tag.

Video: This video demonstrates the pairing process for a PRYMEBLU® PTT button with a PRYMEBLU® Wireless Adapter. It covers powering off devices, disabling Bluetooth on other devices, and initiating pairing modes for both the adapter and the PTT button. The video also shows the LED indicators during the pairing sequence.

1.5 PTT Button Pairing Mode

Once the adapter is in headset pairing mode (LED flashing two times per second), press and then release the button on the adapter again. The LED indicator on the adapter will now change to showing three flashes each second. This indicates that it is now in pairing mode and ready to be connected to the wireless PTT button.

To complete the pairing process, simply power the PRYMEBLU® wireless PTT button on. As soon as the button is powered on, the LED on the adapter will revert to a single flash per second, indicating that the devices are now connected to each other.



Image: The PRYMEBLU® BT-501-V2 Bluetooth Adapter, showcasing its compact form factor and the two-pin connector for seamless integration with compatible radios.

2. OPERATING

2.1 Basic Operation

Once the Bluetooth headset and PTT button are both connected to the adapter, you should hear RX audio through the headset. You can transmit by pressing and holding either the PRYMEBLU® wireless PTT button or the PTT button located directly on the PRYMEBLU® BT-501-V2 adapter.

The wireless PTT button will not cause the radio to transmit unless there is also an audio accessory connected to the adapter.



Image: The PRYMEBLU® BT-501-V2 Bluetooth Adapter shown alongside various compatible PRYMEBLU® accessories, demonstrating its versatility in different communication setups.

3. MAINTENANCE

3.1 Safety Information

Always follow the instructions provided with your specific radio model. Do not charge the adapter if your radio supplies power through the 2-pin connector. Keep the adapter away from heat sources and avoid exposing it to extreme temperatures. Do not dispose of the adapter in regular trash; follow local regulations for electronic waste disposal.

3.2 Cleaning

To clean the adapter, gently wipe it with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials that could damage the device.

3.3 Battery Information

The PRYMEBLU® BT-501-V2 adapter attaches directly to the radio and draws power from the radio itself, eliminating the need for separate battery charging for the adapter. Ensure your radio's battery is adequately charged for optimal performance.

4. TROUBLESHOOTING

4.1 Pairing Issues

If you experience difficulties pairing your wireless accessory with the adapter, please review the "Pair a PRYMEBLU button with a PRYMEBLU Wireless Adapter" video provided in the Setup section. Ensure all devices are powered off before attempting to re-pair. Also, temporarily disable Bluetooth on any nearby personal devices (phones, tablets) to avoid interference.

4.2 Connectivity Issues

If the adapter or PTT button loses connection, ensure both the radio and the connected headset/audio accessory are powered on and within range. The devices are designed to remember each other even if powered off or restarted, so they should automatically reconnect.

5. SPECIFICATIONS

- **Item Weight:** 3.17 ounces
- **Package Dimensions:** 7.17 x 4.45 x 1.06 inches
- **Item Model Number:** BT-501-V2
- **Connectivity Technology:** 2-Pin Connector
- **Color:** Black
- **Wireless Communication Standard:** Bluetooth
- **Compatible Devices:** Headphone (and compatible 2-Pin Kenwood, Baofeng, Wouxun, AnyTone, TYT Amateur Radios)
- **Manufacturer:** Pryme-Premier Communications
- **Date First Available:** February 15, 2024

6. WARRANTY

The PRYMEBLU® BT-501-V2 Bluetooth Adapter comes with a **1-Year Manufacturer Warranty**.

7. SUPPORT

For further assistance with pairing the product or any technical inquiries, please contact PRYME Tech Support at **(800) 666-2654** for expert guidance.

You can also visit the official PRYME® Store on Amazon for more information and products: [PRYME® Store](#)