

# PRYME® RADIO PRODUCTS

## PRYMEBLU® BT-501-DIRECT USER'S GUIDE For Kenwood 2-Pin Portable Radios\*

The PRYMEBLU Adapter allows you to use a compatible wireless headset or other audio accessory with your 2-way radio.



Bluetooth Adapter  
Model No.: BT-501-DIRECT  
Made in Taiwan

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\* This manual applies to the BT-501-DIRECT when used with Kenwood radios that supply power to the accessory connector such as: TK-2170/TK-3170, TK-2360/TK-3360, TK-2173/TK-3173, TK-2312/TK-3312, TK-2402/TK-3402, NX-220/NX-320, and NX-240/NX-340

## Controls and Connection

### Multi-Function Talk Switch / Status LED

Used to place the PRYMEBLU Adapter in pairing mode. The LED flashes messages that let the user know the current status of the PRYMEBLU Adapter. This button is also used to activate the Push-To-Talk function of the two-way radio.

### 2-Pin Accessory Connector

This port connects the PRYMEBLU Adapter to a compatible Kenwood two-way radio.



## QUICK START

1. Connect the PRYMEBLU adapter to a compatible 2-way radio.
2. Pair the PRYMEBLU adapter with a compatible wireless audio accessory.
3. Test and use.

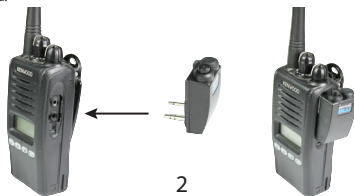
## Connecting the Adapter to Radio

### STEP ONE: Connecting to a 2-way Radio

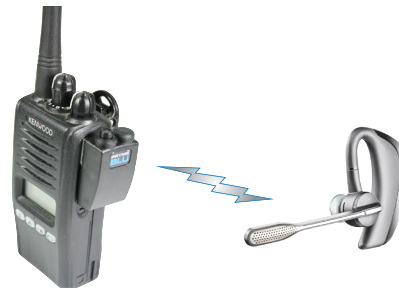
To connect your PRYMEBLU Adapter to a 2-way radio, follow these steps:

- Always turn off your two-way radio before connecting the PRYMEBLU Adapter.
- Plug the PRYMEBLU adapter into the speaker-microphone / audio accessory jack of your two-way radio.
- Turn on your two-way radio and verify that the LED indicator on the PRYMEBLU Adapter flashes periodically. If it does not, verify that the radio you are attempting to use the adapter with is a supported Kenwood model. Some Kenwood radios do not supply power to the accessory connector. For these radios, you will need to use the model PRYMEBLU BT-501 (which has its own internal battery pack) instead.

\* NOTE: While the PRYMEBLU Adapter is attached to the radio and no Bluetooth headset is paired to the adapter, the radio's internal speaker will be muted and you will be unable to hear incoming calls through the radio's speaker.  
\* NOTE: While the PRYMEBLU Adapter is attached to the radio and no Bluetooth headset is paired to the adapter, you will be able to cause the radio to transmit by pressing either the PTT button on the side of the radio or the Talk button on the PRYMEBLU Adapter. However, you will not have any transmit audio because the microphone inside the radio is muted.



## Pairing With an Audio Accessory



### STEP TWO: Pairing with an Audio Accessory

- Turn off the radio that the PRYMEBLU Adapter is connected to. Wait at least three seconds.
- Turn the radio on while holding down the Talk button on the PRYMEBLU Adapter.
- Continue to hold the Talk button down for approximately three seconds. Release the Talk button when the status LED begins to flash two times per second.
- The PRYMEBLU Adapter is now in audio accessory pairing mode. Activate the pairing mode on your compatible wireless audio accessory.
- Once the wireless audio accessory and PRYMEBLU Adapter are paired with each other, the status LED on the adapter will show a constant blue light for three seconds.
- If the PRYMEBLU Adapter does not detect a compatible wireless accessory within 60 seconds of being put into pairing mode, the adapter will exit the pairing mode and resume normal operation.
- Once successfully paired, you will be able to operate your two-way radio using your compatible wireless accessory.

### Reconnecting to a Previously Paired Headset

Once the PRYMEBLU Adapter has been successfully paired to a Bluetooth headset it will remember that connection. If the headset is powered off or loses connection, the adapter will attempt to reestablish the connection. The adapter and headset will attempt to reestablish their link whenever when the radio/adapter and headset are both turned on and in within range of each other. Re-establishing this connection can take 10-60 seconds.

# Testing and Using the PRYMEBLU Adapter

## STEP THREE: Transmit and Receive Operation

Once your PRYMEBLU Adapter and wireless Bluetooth headset have been paired together:

Received signals will be heard over your Bluetooth headset's speaker

When transmitting, the operator's voice is picked-up by the microphone in the Bluetooth headset

Push-to-Talk can be activated one of three ways:

- By pressing and holding the Talk button on the PRYMEBLU Adapter
- Using an optional PRYMEBLU Wireless Bluetooth PTT (model BT-PTT2 (sold separately)
- By pressing and holding the PTT button on the side of the two-way radio.

If you are using a PRYMEBLU PTT2, you will first need to pair the adapter with the PTT device, using the instructions located in the PRYMEBLU PTT2 User's Guide.



## Status LED Messages

The meanings of the various status LED messages shown by the PRYMEBLU Adapters are shown on the following table:

| LED MESSAGE                       | MEANING                          |
|-----------------------------------|----------------------------------|
| One single blue flash per second  | Normal operation                 |
| Two blue flashes per second       | Headset pairing mode active      |
| Three blue flashes per second     | PRYMEBLU PTT pairing mode active |
| One long blue flash for 3 seconds | Successfully paired or re-paired |
| No indication                     | Adapter is powered off           |



## Troubleshooting

**My wireless audio accessory will not pair with the PRYMEBLU Adapter.**

Follow the instructions to place the PRYMEBLU Adapter into the correct pairing mode and then activate the pairing mode on the accessory. Make sure that the PRYMEBLU Adapter and accessory being paired are within one meter of each other.

**My wireless audio accessory or worked before, but is not working now.**

Make sure that the PRYMEBLU adapter is properly connected to the 2-way radio and that the radio is turned on. Ensure that your wireless audio accessory and the PRYMEBLU Adapter both have fully charged batteries and are turned on. If the devices will still not work, re-pair the PRYMEBLU adapter to the wireless accessory.

## Support and Warranty

PRYME Radio Products warrants this product against defects in materials or workmanship for a period of one year from the date of retail purchase. PRYME will repair or replace a defective unit, at our option, without charge for parts or labor. The limited warranty is extended only to the original purchaser and is valid only to consumers in the United States and Canada. It does not cover damage or failure caused by or attributable to Acts of God, abuse, misuse, improper or abnormal usage, faulty installation, improper maintenance, lightning, or other incidences of excessive voltage, or any tampering or repairs by other than a PRYME authorized repair facility. It does not cover replacement of consumable parts, transportation costs, or damage in transit.

Repair or replacement under the terms of this warranty does not extend the terms of this warranty. This warranty can only be modified by an officer of PRYME Radio Products, and then only in writing. Should this product prove defective in workmanship or material, the consumer's sole remedies shall be such repair or replacement as provided by the terms of this warranty. Under no circumstances shall PRYME Radio Products be liable for any loss or damage, direct, consequential, or incidental, arising out of the use of or inability to use this product. Some states do not allow limitations on how long an implied warranty lasts or the exclusions or limitations of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights. You may also have other rights, which may vary, from state to state.

For support or warranty service on your PRYME product, contact us at 1-800-666-2654 or visit us on the web at [www.PRYME.com](http://www.PRYME.com).

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DISCLAIMER: The Bluetooth wireless link used by PRYMEBLU products is an open standard, unsecured technology. As such, it is not recommended for first-responder or other mission critical users.

## Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with FCC RF exposure compliance requirements, please avoid direct contact to the transmitting antenna during transmitting.

## RF Exposure Warning!

This device contains transmitters and receivers which emit Radio Frequency (RF) energy. The device is designed to comply with the limits for exposure to RF energy set by the Federal Communications Commission (FCC) of the United States, Industry Canada (IC), and the regulating entities of other countries.

If you are still concerned about exposure to RF energy, you can further limit your exposure by limiting the amount of time you use the equipment or by placing more distance between your body and the device, since exposure level drops off dramatically with distance.

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911 Mariner St., Brea, CA 92821  
PH: 714.257.0300 FAX: 714.257.0600  
TOLL FREE: 800.666.2654  
[WWW.PRYME.COM](http://WWW.PRYME.COM)

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