

# PRYME®

## PRYMEBLU ADAPTER USER'S GUIDE For Compatible Wireless Audio Accessories

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



This manual applies to the PRYMEBLU BT-500-H8 BT Adapter, which fits Hytera PD600 series, X1 series, and other compatible radios.

**BT Adapter  
Model No.: BT-500-H8  
Made in Taiwan**

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### 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 your 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!

Please keep product 20cm away from your body or bystander during the radio operation. The typical handheld two-way radios were certified under mobile usage condition (i.e. keep 20cm away from the user body) and use of such radio closer than 20cm may exceed the US RF exposure limit and shall be avoided.

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## Controls and Connection



**Radio Connector**  
Plugs into the 2-way radio's Mic/Speaker jack.

**Multifunction Talk Switch**  
Used to place the PRYMEBLU Adapter in pairing mode. Once paired with an audio accessory, this switch is used to activate the Push-To-Talk function of the 2-way radio

**Status LED**  
The LED flashes messages that let the user know the current status of the PRYMEBLU Adapter

**Belt Clip Version**

**Velcro Fastener or Belt Clip**  
Used to attach the PRYMEBLU adapter to the 2-way radio or to the user's belt or lapel

**Velcro Fastener Version**

### 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 Two-Way Radio

To connect your PRYMEBLU adapter to a two-way radio, follow these steps:

- Always turn off your two-way radio before connecting or disconnecting your PRYMEBLU adapter.
- Plug the PRYMEBLU adapter into the audio accessory jack of your two-way radio.
- Tighten the retaining screw at the bottom of the adapter to ensure that the PRYMEBLU adapter remains attached to the radio. DO NOT over tighten.
- You can secure the PRYMEBLU Adapter to your two-way radio or clothing using the Velcro fastener or belt clip.
- Turn on your two-way radio and verify that the radio transmits and receives with the adapter attached.
- Because no wireless audio accessory will yet be paired to the PRYMEBLU Adapter, received signals should be heard over the radio's internal speaker and transmitted signals will be sent using the radio's internal microphone.
- The Talk button on the PRYMEBLU Adapter will not function as a Push-to-Talk button for your two-way radio until a wireless audio accessory is successfully paired to the adapter.

## Connecting the Adapter to Radio



### USING THE FRICTION PAD (Velcro version)

The PRYMEBLU adapter is supplied with a rubber Friction Pad. This pad provides additional protection and stability when using the Velcro Fastener to attach the adapter to a radio or other location.

To install the rubber Friction Pad do the following:

1. Open the Velcro Fastener on the back of the PRYMEBLU adapter so that the two straps are separated.
2. Align the Friction Pad so that it is centered over the Velcro Fastener on the back of the adapter.
3. Slide one strap of the Velcro Fastener into one of the slots in the Friction Pad and pull the strap through.
4. Slide the other Velcro Fastener strap through the other slot in the Friction Pad.
5. Place the PRYMEBLU adapter in the position you wish to mount it and close the Velcro Fastener.

## 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 wireless 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.

5

## Status LED Messages



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

LED INDICATION	MEANING
One flash per second	Normal operation
Two flashes per second	Audio accessory pairing mode active
One long flash for three seconds	Successfully paired or re-paired
No indication	Radio is turned 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 two-way radio and that the radio is turned on. Ensure that your wireless audio accessory has a fully charged battery and is turned on. If the devices will still not work, re-pair the PRYMEBLU adapter to the wireless accessories.

### **My radio shows "Keyloader" on the LCD when I press the Talk button of the PRYMEBLU Adapter.**

When you press the talk key with no wireless headset paired, the radio believes a keyloader is attached to the radio. Disable the keyloader function in the radio's programming software or pair a wireless accessory with the adapter.

7

## Transmit and Receive Operation



### STEP THREE: Transmit and Receive Operation

The PRYMEBLU Adapter will automatically route received radio calls based on the following priority:

- If a wireless headset is paired to the PRYMEBLU Adapter, calls will be heard over the speaker in the headset.
- If no wireless headset or audio accessory is paired to the PRYMEBLU adapter or the wireless accessory is turned off, calls will be routed to the internal speaker of the two-way radio.

NOTE: When a new accessory is connected, paired, disconnected, or powered on, it may take several seconds for the audio from received radio calls to be routed appropriately.

Push-to-Talk can be activated by pressing and holding the Talk button of the PRYMEBLU adapter or by using an optional PRYMEBLU Wireless PTT (model BT-PTT, sold separately). If you are using a PRYMEBLU PTT, you will first need to pair the adapter with the PTT device, using the instructions located in the PRYMEBLU PTT User's Guide.

When transmitting, the operator's voice is picked-up by:

- The microphone in the paired wireless audio accessory.
- If no audio accessory is paired with the PRYMEBLU Adapter, or the paired wireless audio accessory is turned off, the internal microphone in the attached two-way radio will be used.

6

## 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 BT 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.

8