

## 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!

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.

# PRYME<sup>®</sup>

## RADIO PRODUCTS

911 Mariner St., Brea, CA 92821  
PH: 714.257.0300 FAX: 714.257.0600  
TOLL FREE: 800.666.2654  
WWW.PRYME.COM

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# PRYME<sup>®</sup>

## RADIO PRODUCTS

### PRYMEBLU<sup>®</sup> BT-PTT2-HY PUSH-TO-TALK USER'S GUIDE

For use with Bluetooth enabled HYTERA two-way radios

The PRYMEBLU BT-PTT2-HY allows you to Push-to-Talk wirelessly over your HYTERA Bluetooth enabled two-way radio when using a wireless Bluetooth headset.



This manual applies to the PRYMEBLU BT-PTT2-HY Wireless Push-to-Talk transmitter.

The PRYMEBLU BT-PTT2-HY works with HYTERA two-way radios with internal Bluetooth capability

**PRYMEBLU BT-PTT2-HY**  
Model No.: BT-PTT2-HY  
Made in Taiwan

FCC ID N2E-BT-PTT2

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## Controls and Connection

### PTT Button

When paired with a PRYMEBLU Adapter and wireless headset, this button functions as a Push-to-Talk, causing the two-way radio to transmit when the switch is pressed.

### LED Indicator

The LED flashes messages that let the user know the current status of the PRYMEBLU BT-PTT2-HY.

### Power Button

Turns the PRYMEBLU BT-PTT2-HY on and off.

### Dust Cover

Used to cover the USB port when the BT-PTT2-HY is not being recharged.

### USB Charge Port

This port is used to connect the PRYMEBLU BT-PTT2-HY to any powered USB connector for recharging.

### Clothing Clip

This 360° rotating clip can be used to secure the BT-PTT2-HY to the user's clothing or any other convenient location.

## Quick Start

1. Charge the PRYMEBLU BT-PTT2-HY
2. Pair a wireless Bluetooth headset with the HYTERA two-way radio
3. Pair the PRYMEBLU BT-PTT2-HY with the HYTERA two-way radio
4. Test and Use.



**OPTIONAL CHARGER**  
Universal Wall Charger with USB Port  
P-CHA-BT-USB \$12



### STEP ONE: Charging the PRYMEBLU BT-PTT2-HY

The PRYMEBLU BT-PTT2-HY has an internal Lithium Ion rechargeable battery pack which must be charged prior to operation, and must be recharged regularly. A fully charged battery should provide more than 12 hours of operation before needing to be recharged.

#### To charge the PRYMEBLU BT-PTT2-HY:

- \* Ensure the PRYMEBLU BT-PTT2-HY is turned off, using the button located on the side of the device.
- \* Plug the USB charge port on the bottom of the BT-PTT2-HY into any powered USB connector. You will first need to remove the protective rubber dust cover. (To prevent dust and moisture from damaging your BT-PTT2-HY, always ensure this cover is in place when you are not charging the device.)
- \* When charging, the LED on the BT-PTT2-HY will show a solid blue light. When the device is done charging, the LED light will turn off.
- \* The PRYMEBLU BT-PTT2-HY takes approximately 4.5 hours to charge. Actual charge time will vary depending on several factors including the battery's charge state, condition, and age.

#### Charging Cautions:

- Use only a POWERED USB port for charging. Non-powered ports (such as on a USB hub) will NOT work.
- Do not use a wall charger that appears to be damaged. (Example: frayed wires, melted plastic, etc.)
- Do not tamper with or modify the PRYMEBLU BT-PTT2-HY or charger.
- Always turn the power switch to the Off position when charging the PRYMEBLU BT-PTT2-HY.

## Pairing With an Audio Accessory

### STEP TWO: Pairing the Bluetooth headset with the HYTERA two-way radio

To pair the wireless Bluetooth headset and two-way radio:

- \* Place the Bluetooth headset into pairing mode by following the instructions in the user's manual for the Bluetooth headset.
- \* Follow the procedure described in the HYTERA radio user's guide enable the Bluetooth function.
- \* Follow the procedure described in the HYTERA radio user's guide to scan for nearby Bluetooth headsets and connect the radio and headset.
- \* For further assistance, contact your HYTERA support or your two-way radio dealer.

### STEP THREE: Pairing the BT-PTT2-HY and HYTERA two-way radio

- \* Place the PRYMEBLU BT-PTT2-HY in pairing mode by holding down the Push-To-Talk button while turning the power on using the Power Button on the side of the device. Continue to hold down the Push-To-Talk button until the LED indicator on the PRYMEBLU BT-PTT2 shows two blue flashes every second. You can then release the Push-to-Talk button. The PRYMEBLU BT-PTT2 is now in pairing mode.
- \* Follow the procedure described in the HYTERA radio user's guide enable the Bluetooth function.
- \* Follow the procedure described in the HYTERA radio user's guide to have the radio scan for nearby Bluetooth PTT devices.
- \* On the radio, select the BT-PTT2-HY as the device to pair with. If the password is required, enter "0000".
- \* Once the radio and PRYMEBLU BT-PTT2 are paired with each other, the status LED on the PRYMEBLU Adapter will show a constant blue light for three seconds and the LED on the PTT will show one blue flash every six seconds.
- \* If the PRYMEBLU BT-PTT2 does not detect a compatible wireless accessory within 60 seconds of being put into pairing mode, the devices will exit the pairing mode and resume normal operation.

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## Testing and Using the PRYMEBLU BT-PTT2-HY

### STEP FOUR: Testing and Using the PRYMEBLU BT-PTT2-HY

- After the Bluetooth headset and BT-PTT2-HY have been paired to the Hytera two-way radio,
- \* Turn on the HYTERA two-way radio and make sure that the Bluetooth feature is enabled.
  - \* Turn on the Bluetooth headset. Within a few seconds the HYTERA two-way radio and Bluetooth headset should connect to each other.
  - \* Turn on the PRYMEBLU BT-PTT2-HY. The LED indicator on the PRYMEBLU BT-PTT2-HY will flash rapidly. Within a few seconds the LED indicator will show one blue flash per second, indicating that it is connected wirelessly to the HYTERA two-way radio.
  - \* You will now be able to operate using the wireless accessories. Pressing the Push-to-Talk button on the PRYMEBLU BT-PTT2-HY will cause the two-way radio to transmit. Transmit audio will be picked up by the Bluetooth headset. Received signals will also be heard through the Bluetooth headset's earphone.

### Step 1: Charge

### Step 2: Pair Headset



### Step 3: Pair Devices



### Step 4: Test and Use

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## Status LED Messages

The meanings of the various status LED messages shown by the PRYMEBLU BT-PTT2-HY are shown on the following table:

LED INDICATION	MEANING
No indication	Device is powered off
Two blue flashes every second	Pairing mode
One blue flash ever six seconds	Bluetooth connected
Continuous solid red	PTT button pressed
Repeated rapid blue flash	Bluetooth link lost
One blue flash every second	Battery low
Continuous solid blue (when connected to charger)	Device charging
No indication (when connected to charger)	Device finished charging

## Specifications

Operating temperature:	-20 ° C to 50 ° C
Storage temperature:	-40 ° C to 80 ° C
Size:	65mm (H) x 30mm (W) x 17mm (D)
Weight:	25 grams
Bluetooth Version:	Fully Qualified Bluetooth v2.1
Chip set:	CSR BC5 + 16MB external Flash
Receiver Sensitivity:	-82 dBm (typical)
Bluetooth Power Class:	Class 2
Maximum Range:	10 meters
Display:	Two color LED
Bluetooth Profile Support:	SPP (Serial Port) Profile
DC Input:	5 VDC
Current Draw:	16 mA (average), 20 mA (maximum)
Battery:	240mAh Lithium-Ion
Charging Type:	USB

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## 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.

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