PRYME®

PRYMEBLU BTH-600-HY
Wireless Speaker Microphone

For use with HYTERA BT enabled two-way radios.

Model No.: BTH-600-HY
Made in Taiwan

CAUTION: This product does not have dual/multi pairing capability and is not designed to work with a cellphone/handset. The BTH-600-HY is designed to work only with HYTERA BT-enabled two-way radios.

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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 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) of Canada, 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.

Controls and Connection

Front Firing Speaker
Received calls are heard over this speaker. The volume level can be controlled using either the Volume Up / Down buttons on the speaker microphone, or by using the volume controls on the two-way radio.

PTT Button
This button is used to activate the push-to-talk feature of the Hytera radio

Clothing Clip
The alligator-type clip secures the Speaker Microphone to the user's clothing during use. The clip can be rotated to allow the microphone to be better positioned.

Earphone Jack
This jack is used to connect an (optional) wired listen-only earphone to the speaker microphone for enhanced privacy.

Charge Jack
This mini-USB jack is used to recharge the removable battery of the speaker microphone by connecting the BTH-600-HY to a USB charger or any powered USB source

Aux PTT Button
This button can also be used as a Push-to-Talk button to activate the PTT feature of the Hytera 2-way radio.

Multifunction Button
Holding down this button for one second will turn the speaker microphone on and off. This button can also be used to place the speaker microphone into pairing mode so that it can be paired to a Hytera 2-way radio.

Microphone:
This microphone picks up the user's voice audio when sending a call.

Volume Up and Down Buttons
These buttons can be used to turn the receive audio volume of the speaker microphone up or down in five preset steps.

Status LEDs
The red and blue LEDs flash messages that let the user know the current status of the speaker microphone.

Battery Cover
The rear cover of the speaker microphone can be removed by loosening the thumbscrew on the rear of the microphone. This allows the user to gain access to the removable battery pack.

Removable Battery
The Speaker Microphone is powered by a removable Lithium battery pack

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Charging the Speaker Microphone

The BTH-600-HY speaker microphone has a replaceable Lithium Ion rechargeable battery pack which must be charged prior to operation, and must be recharged regularly. A fully charged battery will provide up to 40 hours of continuous operation before needing to be recharged. However, operating time can vary depending on usage and the condition of the battery pack. Recharge the battery regularly.

To charge the speaker microphone

1. Ensure the device is turned off using the multifunction button.

2. Plug the charge cable into any powered USB outlet, such as an AC wall charger, and then into the charge jack on the speaker microphone.

3. Once the charging process has begun, the LED indicator on the speaker microphone will show a constant red light.

4. Typical charge time is approximately five hours. Actual charge time will vary depending on several factors including the battery's charge state, condition, and age.

5. When the battery is fully charged the LED indicator on the side of the speaker microphone will turn off.

6. Disconnect the charger from the adapter when charging is completed.

Charging Cautions:
- Do not use a wall charger or charge cable that appears to be damaged. (Example: frayed wires, melted plastic, etc.) Contact PRYME to get a new manufacturer-approved replacement charger.
- Do not tamper with or modify the speaker microphone or charger.
- Always turn the speaker microphone off when charging.

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Installing or Replacing the Battery Pack

The BTH-600-HY BT Speaker Microphone gets its power from a rechargeable Lithium-Ion type battery pack. The battery pack must be installed inside the microphone prior to operation. Under normal usage, this battery should have a lifespan of over 1,500 charge/discharge cycles before needing to be replaced.

To access the battery compartment:
1. Rotate the thumbscrew counter-clockwise until the cover opens. Remove the battery door.
2. Insert the rechargeable battery pack into the battery compartment. Ensure that the battery terminals are properly lined up with the contacts inside of the battery compartment.
3. Reinstall the battery compartment cover and rotate the thumbscrew clockwise to tighten. DO NOT over tighten.

Install optional Button Hook for vehicular mounting (P-CLIP-MP16-BUTTON)

1. Press tab and slide off belt clip
2. Slide on P-CLIP-MP16-BUTTON

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PAIRING THE BTH-600-HY SPEAKER MICROPHONE WITH A HYTERA TWO-WAY RADIO

Before you can use the PRYMEBLU BTH-600-HY, it must be paired with a BT-enabled HYTERA two-way radio.

To pair the BTH-600-HY speaker microphone with a HYTERA two-way radio:

1. Begin by first making sure that the BTH-600-HY is turned off. You should also power off any nearby BT devices to prevent them from potentially interfering with the pairing process.
2. Press and hold down the Power Button on the BTH-600-HY for five seconds, until the LED on the device flashes RED-BLUE-RED-BLUE continuously in sequence. The BTH-600-HY speaker microphone is now in pairing mode.
3. Follow the procedure described in the HYTERA radio user's guide enable the BT function.
4. Follow the procedure described in the HYTERA radio user's guide to have the radio scan for nearby Earphone devices.
5. On the radio, select the BTH-600-HY as the device to pair with. If the password is required, enter "0000".
6. After a few seconds, the two devices should sync to one another. Once the BTH-600-HY and HYTERA two-radio are paired with each other the status LED on speaker microphone will then show one blue flash every few seconds.
7. Once successfully paired you will be able to operate your two-way radio using the PRYMEBLU BTH-600-HY speaker microphone.

Reconnecting a Previously Paired Speaker Microphone and HYTERA two-way radio
Once the PRYMEBLU BTH-600-HY speaker microphone and HYTERA two-way radio have been successfully paired together, both devices will remember that connection. The speaker microphone and radio will attempt to reestablish their link whenever they are both powered on and in within range of each other, as long as the BT feature of the two-way radio is enabled. Re-establishing this connection can take 10-60 seconds.

TESTING and USING the BTH-600-HY SPEAKER MICROPHONE
Once your PRYMEBLU BTH-600-HY speaker microphone and HYTERA two-way radio have been paired together:

Received signals will be heard through the earphone that is plugged into your BTH-600-HY speaker microphone. The volume of received calls can be adjusted using the Volume Up and Volume Down buttons on the speaker microphone or the volume control on the two-way radio.

As long as you are using a listen-only earphone, when transmitting, the operator's voice is picked-up by the microphone in the PRYMEBLU speaker microphone. If you are using a wired accessory with a built-in microphone, the accessory microphone will be used instead.

Push-to-Talk can be activated by pressing and holding one of the two PTT buttons on the BTH-600-HY speaker microphone.

STATUS LED MESSAGES
The meanings of the various status LED messages shown by the speaker microphone are shown on the following table:

LED INDICATION	MESSAGE MEANING
No indication	Device is off
Blue-Red-Blue-Red continuous	Pairing mode
Two short blue flashes	Device turned on
Three red flashes, then off	Device turned off
One blue flash every 2 seconds	Not paired or link lost
One blue flash every 6 seconds	Normal (paired) operation
Continuous red when PTT pressed	PTT operation
One red flash every 6 seconds	Low battery
Continuous red (when connected to charger)	Charging
No indication (when connected to charger)	Charging is finished

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OPTIONAL EAPRHONES

Although the BTH-600-HY has a built-in speaker for listening to received calls, some users may prefer to use a listen only earphone for enhanced privacy. The accessory jack on the speaker microphone will accept any mono earphone with a 3.5 mm audio plug. When an earphone is used, the front-firing speaker is disabled.

PRYME EH-1389SC model shown. Earphone sold separately.

PRYME makes a variety of listen-only earphones in different styles that will work with the BTH-600-HY.

Model	Model	Cable Length/Type	Connector
EH-389SC	Rubber Ear Hook	15" Coiled	3.5mm right angle
EH-389XC	Rubber Ear Hook	25" Coiled	3.5mm right angle
EH-1289SC	Plastic D-Ring	15" Coiled	3.5mm right angle
EH-1289XC	Plastic D-Ring	25" Coiled	3.5mm right angle
EH-1389SC	Acoustic Tube	15" Coiled	3.5mm right angle
EH-1389XC	Acoustic Tube	30" Straight	3.5mm right angle
EH-1399X	Acoustic Tube	30" Straight	3.5mm right straight
EH-GH89-SC	G-Hook (swivel)	10" Coiled	3.5mm right angle

SPECIFICATIONS

BT Version:	v2.1+EDR
Speaker Output:	1 watt
Receiver Sensitivity:	-82 dBm (typ.)
Power Class:	BT class 2
Range:	10 meters
Display:	Blue, Red, and Green
BT Profile:	HFP,HSP,SPP Profile
Operating Voltage:	5 VDC
Battery Capacity:	1,020 mAH
Operating Time (Standby)	> 30 days
Operating Time (Typical)	> 80 hours
Operating Time (Continuous Talk)	> 40 hours
Push-to-Talk Function:	Built-in
Operating Temperature:	-4°F to +120°F (approx.)

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.

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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.