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.



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2.00-HY February 2021

Controls and Connection

Accessory Jack

This jack is used to connect an optional, wired listen-only earphone or audio accessory to the speaker microphone for enhanced privacy. Any standard 3.5mm mono or stereo listen-only earphone can be plugged into this jack. Received calls will be heard over the earphone.

This jack can also be used with a 3.5 mm 4-conductor (Apple iPhone compatible) audio accessory that contains both an earphone and a microphone such as Apple part numbers ME186LL/A, or MD827LL/A. (Not included.) When used with such an accessory, received calls can be heard over the accessory earphones and transmit audio will be taken from the accessory microphone.

PTT Button This button is used to

activate the push-to-talk feature of the 2-way radio

Front Firing Speaker Received calls are heard over

Received calls are heard over this speaker. The volume level can be controlled using either the Volume/Power Knob buttons on the speaker microphone, or by using the volume controls on the two-way radio or phone.

Charge Jack

This mini-USB jack is used to recharge the removable battery of the speaker microphone by connecting the BTH-550-HY to a USB charger or any powered USB source.



Pairing Button This button is used to place the BTH-550-HY microphone into pairing mode so it can be connected to BT adapter or two-way radio.





The red and blue LEDs flash

Status LEDs

received calls

Microphone

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



Replaceable 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.

PRYME[®]

PRYMEBLU BTH-550-HY Wireless Speaker Microphone

For use with HYTERA BT enabled two-way radios.





Optional Cradle Charger Part No. P-CHA-DT1

CAUTION: This product does not have dual/multi pairing capability, and is not designed to work with a cellular telephone/handset. The BTH-550-HY is designed to work only with HYTERA BT-enabled two-way radios.

Model No.: BTH-550-HY Made in Taiwan

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Charging the Speaker Microphone

The BTH-550-HY speaker microphone has an internal Lithium lon 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.

The microphone can be charged either using the wall charger (not included) or optional drop-in charging cradle. (not included. part number P-CHA-550)

To charge the speaker microphone using the wall charger:

Ensure the microphoe is turned o using the Power/Volume Knob.
 The microphone cannot be operated while plugged into the wall charger.
 Plug the charge cable into any powered USB outlet, such as an AC wall charger, and then into the charge jack on the bottom of the speaker microphone.
 Once the charging process has begun, the LED indicator on the speaker microphone will show a constant red light.

 Typical charge time is approximately ve hours. Actual charge time will vary, depending on several factors including the battery's charge state, condition, and age.
 When the battery is fully charged the LED indicator on the speaker microphone will turn on.
 Disconnect the charger from the adapter when charging is completed.

To charge the speaker microphone using the optional drop-in charging cradle:

 Plug the power cable for the charge cradle into any powered USB outlet, such as an AC wall adapter and then into the jack on the back of the charge cradle. The LED on the charge cradle will light a solid green.
 Drop the microphone into the charge cradle. NOTE that you may continue

to operate the microphone while it is in the charge cradle. 3. Once the charging process has begun, the LED indicator on the charge cradle will show a constant red light.

4. Typical charge time is approximately ve hours. Actual charge time will vary depending on several factors including whether you are operating the

microphone duringh charging as well as the battery's charge state, condition, and age. 5. When the battery is fully charged the LED indicator on the charge cradle will turn green.

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.



PAIRING THE BTH-550-HY SPEAKER MICROPHONE WITH A HYTERA TWO-WAY RADIO

Before you can use the PRYMEBLU BTH-550-HY, it must be paired with a BT-enabled HYTERA two-way radio.



To pair the BTH-550-HY speaker microphone with a HYTERA two-way radio:

1. Begin by first making sure that the BTH-550-HY is turned off. You should also power off any nearby BT devices to prevent them from potentially interfering with the pairing process. 2. Power the Microphone ON using the Volume Knob. Then, press and hold the Pairing Button. Continue to hold the button down for approximately 3 seconds, until you see the LED on the speaker microphone begin to quickly ash RED-BLUE-RED-BLUE in sequence. The PRYMEBLU 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-550-HY as the device to pair with. If the password is required, enter "0000".
6. After a few seconds, the two devices should synch to one another. Once the BTH-550-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-550-HY speaker microphone.

Reconnecting a Previously Paired Speaker Microphone and HYTERA two-way radio

Once the PRYMEBLU BTH-550-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-550-HY SPEAKER MICROPHONE

Once your PRYMEBLU BTH-550-HY speaker microphone and HYTERA two-way radio have been paired together:

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 the PTT button on the BTH-550-HY speaker microphone.

The volume of received calls can be adjusted using the Volume/Power Knob on the speaker microphone or the volume control on the two-way radio.

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OPTIONAL EAPRHONES

Although the BTH-550-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 makes a variety of listen-only earphones in different styles that will work with the BTH-550-HY.

Model	Style	Cable Length/Type	Connector
EH-289XB	Earbud	24" Straight Flat Cable	3.5mm right angle
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

STATUS LED MESSAGES

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

LED INDICATION	MEANING	
Constant Red (while plugged into charger)	Charge mode	
No indication (while plugged into charger)	Charging is finished	
Flashes red-blue-red-blue repeatedly	Pairing mode	
Two blue flashes every two seconds	Speaker microphone is powered on but not paired	
One blue flash every two seconds	Speaker Microphone is powered and paired	
No indication	Speaker microphone is powered off	

CAUTION: This product does not have dual/multi pairing capability and is not designed to work with a cellphone/handset. The BTH-550-HY is designed to work only with HYTERA BT-enabled two-way radios.

SPECIFICATIONS

BT Version:	4.1, fully qualified
Speaker Output:	2 watts
Receiver Sensitivity:	-82 dBm (typ.)
Power Class:	BT class 2
Range:	10 meters
Display:	Blue, Red, and Green
BT Profile:	HFP,BLE 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:	-70°F to +120°F (approx.)

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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.

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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.