PRYME®

PRYMEBLU BTH-600
Wireless Bluetooth Speaker Microphone

For use with PRYMEBLU radio adapters and Icom and Kenwood radios with built-in Bluetooth.

Model No.: BTH-600
Made in Taiwan

PRYME® and PRYMEBLU® are trademarks owned by PRYME Radio Products, Brea CA. All other product or service names are the property of their respective owners.
© 2019 PRYME Radio Products, Brea CA. All Rights Reserved

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.

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

1.02-R5 January 2019

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 or phone.

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

PTT Button
This button is used to activate the push-to-talk feature of the 2-way 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.

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.

Phone Button
This button is used to answer or hang up phone calls when the BTH-600 is connected to a cellphone phone.

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.

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 to a USB charger or any powered USB source

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 connected wirelessly to a cellphone phone.

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

Charging the Speaker Microphone

The BTH-600 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 microphone 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.

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

Installing or Replacing the Battery Pack

The BTH-600 Bluetooth 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.

Pairing with a PRYMEBLU Radio Adapter or 2-Way Radio
When pairing the PRYMEBLU Speaker Microphone with a PRYMEBLU Radio Adapter or an Icom or Kenwood radio, make sure that the Speaker Microphone is powered off to start.

- Hold down the Multifunction Button on the PRYMEBLU Speaker Microphone. Continue to hold the button down for approximately 3 seconds, until you see the LED on the Speaker Microphone begin to quickly flash RED-BLUE-RED-BLUE in sequence. The PRYMEBLU Speaker Microphone is now in pairing mode.

- If you are pairing the microphone to a PRYMEBLU adapter, place the adapter into pairing mode following the instructions in the user's manual for that device. Typically, this is done by holding down the PTT button on the adapter while powering the adapter or attached two-way radio on and then continuing to hold the PTT button down until the LED on the adapter flashes two times per second.

- If you are pairing the microphone with an Icom or Kenwood two-way radio, follow the manufacturer's instructions to have the radio scan for nearby headset devices. Once it finishes scanning, select the PRYMEBLU microphone from the list of nearby devices.

- After a few seconds, the two devices should sync to one another. Once the PRYMEBLU Speaker Microphone and Adapter/Radio are paired with each other the status LED on the Speaker Microphone will then show one FLASH every few seconds.

- If a PRYMEBLU Radio Adapter does not detect the Speaker Microphone 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 2-way radio using the PRYMEBLU Speaker Mic.

Reconnecting a Previously Paired Speaker Microphone and Radio Adapter/Radio

Once the PRYMEBLU Speaker Microphone and radio/adapter have been successfully paired together, both devices will remember that connection. The adapter/radio and Speaker Mic will attempt to re-establish their link whenever the radio/adapter and Microphone are both powered on and in within range of each other. Re-establishing this connection can take 10-60 seconds.

Pairing with a Cellphone

The PRYMEBLU Bluetooth Speaker Microphone is capable of working with a Bluetooth-enabled cellphone . The Speaker Microphone is even capable of simultaneously pairing with both a PRYMEBLU Radio Adapter and a cell phone, enabling you to use the same Speaker Microphone for both radio and phone calls.

NOTE: If you wish to use the multi-pairing feature to connect the BTH-600 to both a PRYMEBLU Radio Adapter and a cellphone phone, you must first pair the PRYMEBLU Speaker Microphone and PRYMEBLU Radio Adapter using the procedure shown on Page 4 of this manual. Once the two devices have been paired to each other, power the two-way radio/Bluetooth Radio Adapter off, and follow the procedure shown below:

When pairing the PRYMEBLU Speaker Microphone with a cellphone phone, make sure that the Speaker Microphone and all other nearby Bluetooth devices are powered off¬ before beginning.

• Hold down the Multifunction Button on the PRYMEBLU Speaker Microphone. Continue to hold the button down for approximately 3 seconds, until you see the LED on the Speaker Microphone begin to quickly flash RED-BLUE-RED-BLUE in sequence. The PRYMEBLU Speaker Microphone is now in pairing mode.

• Activate the Bluetooth feature on your phone.

• Activate the "scan/discover new Bluetooth devices" feature on the phone. The exact steps needed to do this will vary depending on the brand/model of phone you are using.

• Select the PRYMEBLU Speaker Microphone from the list of Bluetooth devices shown on your phone. If the phone asks for a passcode, enter "0000". The phone may also prompt you to confirm the connection.

• After a few seconds, the two devices should sync to one another. Once the PRYMEBLU Speaker Microphone and phone are paired with each other, the status LED on the Microphone will revert back to a single blue flash every few seconds.

• Once successfully paired, you will be able to make and receive phone calls using the PRYMEBLU Speaker Microphone.

Multi-Pairing Operation

Once you have successfully paired the PRYMEBLU Speaker Microphone and cellphone phone, you can enable multi-pairing operation simply by powering on the two-way radio/PRYMEBLU Radio Adapter that you previously paired with the PRYMEBLU Speaker Microphone. Within a few seconds, all three devices should sync to each other.

Using the PRYMEBLU Speaker Microphone

Once your PRYMEBLU Speaker Microphone and PRYMEBLU Adapter and/or cellphone phone have been paired together:

Received signals will be heard over your PRYMEBLU Speaker Microphone's front- ring speaker or through the optional earphone. The volume of received calls can be adjusted using the volume up/down button on the Speaker Microphone or the volume control on the two-way radio or cellphone phone.

When transmitting or on a phone call, the operator's voice is picked-up by the Microphone in the PRYMEBLU Speaker Microphone.

Push-to-Talk can be activated one of several diff¬erent ways:
• By pressing and holding the PTT button on the PRYMEBLU Speaker Microphone.
• By pressing and holding the Talk button on the PRYMEBLU Adapter.
• Using an optional wired PTT that is plugged into the PRYMEBLU Adapter.
• Using an optional PRYMEBLU Wireless Bluetooth PTT (model BT-PTT2, sold separately). Note that if you are using a PRYMEBLU BT-PTT2, you will first need to pair the adapter with the PTT using the instructions located in the PRYMEBLU PTT User's Guide.

To answer or hang up a call, press the orange Phone Button on the side of the Speaker Microphone or use the user interface on the phone itself.

You can also activate your phone's voice dialing feature by pressing and holding the Phone Button on the side of the Microphone for three seconds. (This function works only when the Microphone is NOT connected to a two-way radio.)

NOTE: When you are on a phone call, signals received by the two-way radio will not be heard. Additionally, if you press the PTT button on the PRYMEBLU Speaker Microphone while you are on a phone call, the two-way radio will transmit, however no transmit audio will be sent over the air, since Microphone audio is being routed to the cellphone phone.

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
Constant red with one blue flash every two seconds	PTT is pressed
No indication	Speaker Microphone is powered off

OPTIONAL EAPRHONES

Although the BTH-600 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 sells a variety of listen-only earphones in different styles that will work with the BTH-600.

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

Bluetooth Version:	v2.1+EDR
Speaker Output:	1 watt
Receiver Sensitivity:	-82 dBm (typ.)
Power Class:	Bluetooth class 2
Range:	10 meters
Display:	Blue, Red, and Green
Bluetooth 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:	-70°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.

COPYRIGHT AND TRADEMARK INFO

© 2019 PRYME Radio Products, Brea CA. All rights reserved.

PRYME® and PRYMEBLU® are trademarks owned by PRYME Radio Products, Brea CA.
Icom is a trademark of Icom Inc.

Kenwood is a registered trademark of JVCKENWOOD Corporation

Android is a trademark of Google Inc.

All other product or service names are the property of their respective owners.

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.