PRYME*MAX*™ PRYME®

PRYMEMAX™ BTH-600-MAX Wireless BT Speaker Microphone

For use with PRYMEBLU Wireless adapters; BK, Icom, and Kenwood / EF Johnson 2-way radios with built-in BT connectivity; and for PTT Over-Cellular apps such as ES Chat, Team on the Run/Team on Mission, Unity Intercom, and Zello on IOS and Android smart phones.

Model No.: BTH-600-MAX

FCC ID XTS-BTH-600

Made in Taiwan

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.

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

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.

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.

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

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

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

Charge Jack
This USB-C jack is used only to recharge the removable battery of the Speaker Microphone by connecting the BTH-600-MAX 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 phone or radio.

2

Charging the Speaker Microphone

The BTH-600-MAX Speaker Microphone has a 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.

Pairing with a PRYMEBLU Radio Adapter, 2-Way Radio, or Phone
The BTH-600-MAX speaker microphone is designed to work with PRYMEBLU wireless adapters, and two-way radios with internal BT made by BK, Icom, and Kenwood/EF Johnson, as well as smartphone and tablets running either the Android orApple iOS operating systems. Prior to normal operation, the handset and speaker microphone must be paired together using the following process:

• 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/EF Johnson 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.

* If you are pairing the microphone with a smartphone, make sure that the smartphone's BT slider is turned on and then use the phone's BT menu to scan for nearby devices. Select the device named "BTH-PTT" to pair with the phone.

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

• 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 Two-Way Radio or Phone
Once the PRYMEBLU Speaker Microphone and adapter, radio or phone 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 adapter, radio or phone and Microphone handset are both powered on and in within range of each other. Re-establishing this connection can take 10-60 seconds.

Using the Speaker Microphone with your PTT App

If you are using the microphone with a PTT Over Cellular app on an IOS or Android smartphone, you may need to complete some additional setup within the app itself. Once setup, you will be able to use the speaker microphone with the push-to-talk app, even if the app is running the background. Please see insert for instructions on how to set up the PTT button in Zello, Team on the Run/Team on Mission, Unity Intercom, or ES Chat.

-To activate the app's push-to-talk feature, press and hold the PTT button on the speaker microphone.
-When the app is transmitting a call, audio will be picked up by the BTH-600-MAX's built-in microphone.
-Incoming calls received by Zello will be heard over the BTH-600-MAX's built-in speaker or through the optional earphone if you are using one.

Making and Receiving Phone Calls

You can also use the speaker microphone to make and receive phone calls.

-You can initiate a phone call by using the Phone Dialer app in the phone.
-Phone audio will be routed to the BTH-600-MAX's built-in microphone and speaker (or earphone, if you are using one).
-To answer an incoming call, press the Multifunction button on the speaker microphone.
-While on a call, you can press the Multifunction button on the speaker microphone to hang up the phone and end the call.

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 EARPHONES

Although the BTH-600-MAX 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-MAX.

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:	V4.1 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:	HSP / HFP / A2DP / AVRCP
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.

COPYRIGHT AND TRADEMARK INFO

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.

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
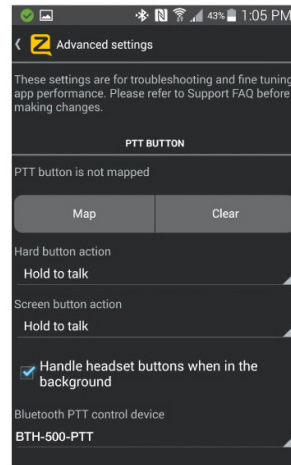TOLL FREE: 800.666.2654
WWW.PRYME.COM

1.00 JUNE 2022

App Setup (ZELLO)

To get the Zello app on your phone, install Zello from your Zello@Work network, or download the app from the Google Play store or Apple App Store
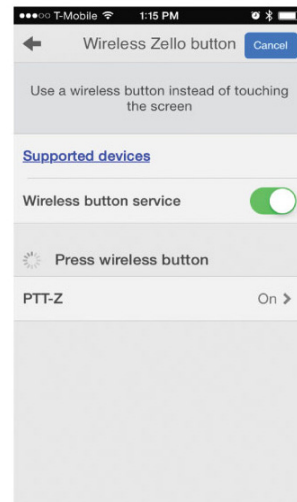
Setting up Zello (Android)

1. Make sure that your phone's BT radio is enabled, and that the speaker microphone is powered on and that the microphone and phone are connected to each other.

2. Open Zello and go to Menu > Options > Under the Hood.

3. Under "BT PTT Control," choose "BTH-PTT". You should see a popup indicating the device control has been activated. If you don't see it, you may need to power cycle the speaker microphone and repeat this step.

4. Open the Talk screen in Zello (the screen with a big round button). In the bottom-left corner of the screen, tap-hold and slide to the BT icon to activate the speaker microphone in Zello.

Setting up Zello (iOS)

1. Make sure that your phone's BT radio is enabled, and that the speaker microphone is powered on and that the microphone and phone are connected to each other.

2. Open Zello and go to: Settings > PTT Button > Wireless Zello Button.

3. Make sure that the "Wireless Button Service" is turned on by sliding the button to the right.

4. Press and hold the PTT button on the BTH-600-MAX.

5. Select "PTT-Z" from the list of PTT devices shown on the screen.

6. Open the Talk screen in Zello (the screen with a big round button). Pressing the PTT button the Push-to-Talk device should now cause Zello to transmit.
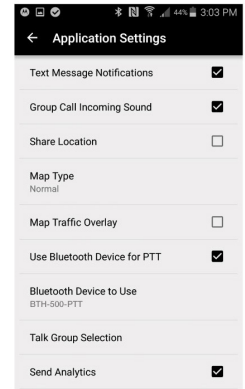
A

App Setup (Wave Communicator)

To get the WAVE Communicator app on your phone, download the app from the Google Play store or Apple App Store.

For Android phones the PTT function of the BTH-600-MAX can be enabled to work with the Wave Communicator app in one of two different ways, either using Serial Port Protocol (SPP) over conventional BT or using a special version of BT called BT Low Energy (BLE). The BLE option can only be used with handsets that have hardware support for BLE and are using Android version 5.0 (Lollipop) or newer.
Choose the option that is right for your phone and follow the instructions below:

Setting up WAVE Communicator (Android-SPP)
1. Make sure that your phone's BT radio is enabled, and that the speaker microphone is powered on and that the microphone and phone are connected (paired) to each other.
2. Open WAVE Communicator and log in using your username and password.
3. Tap on the More Options symbol " ⋮ " in the top right hand corner of the app and then tap "App Settings."
4. Make sure that "Use BT Device for PTT" is selected. If it isn't, tap it to select it.
5. Tap on "BT Device to Use" and then select "BTH-PTT" from the list.
6. The app will then prompt you to press the PTT button on the BTH-600-MAX to confirm that the setup was successful.

Setting up WAVE Communicator (optional, Android - BT Low Energy)

1. Make sure that your phone's BT radio is enabled, and that the speaker microphone is powered on and that the microphone and phone are connected (paired) to each other.
2. Press and hold the PTT button on the BTH-600-MAX speaker microphone.
3. On your phone, go to Settings > BT. Select "Search for Devices" from the phone's BT menu. The phone will scan for nearby BT devices and a list showing the names of nearby BT devices will be shown on the screen.
4. Choose "PTT-Z" from the list.
5. Keep the phone and speaker mic near each other and wait a few seconds. The devices will pair to each other.
6. Open WAVE Communicator and log in using your username and password.
7. Tap on the More Options symbol " ⋮ " in the top right hand corner of the app and then tap "App Settings."
8. Make sure that "Use BT Device for PTT" is selected. If it isn't, tap it to select it.
9. Tap on "BT Device to Use" and then select "PTT-Z" from the list.
10. Release the PTT button on the BTH-600-MAX.

Setting up WAVE Communicator (iOS)

1. Make sure that your phone's BT radio is enabled, and that the speaker microphone is powered on and that the microphone and phone are connected (paired) to each other.
2. Open WAVE Communicator and log in using your username and password.
3. Tap on the More Options symbol " ⋮ " in the top right hand corner of the app and then tap "App Settings."
3. Press and hold the PTT button on the BTH-600-MAX speaker microphone.
4. Make sure that "Use BT Device for PTT" is selected. If it isn't, tap it to select it.
5. Tap on "BT Device to Use" and then select "PTT-Z" from the list.
6. Release the PTT button on the BTH-600-MAX.

B