

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 www.mobilitysound.com



BTH-600-ZU-MOB Wireless Bluetooth Speaker Microphone

For use with Zello on Android smartphones



Model No. BTH-600-MOB
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 phone.

PTT Button

This button is used to activate the push-to-talk feature of the Zello app.

Mic Hangar Knob

The mobile-radio style mic hangar secures the speaker microphone inside the hangar bracket



Mic Hangar Bracket

Allows the microphone to be hung up during use. Includes two screws for mounting.

Microphone Connector

Used to connect the microphone to the supplied power supply or an optional extension cable

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

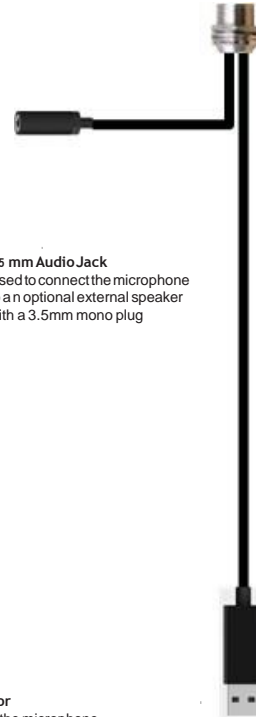
The red and blue LEDs flash messages that let the user know the current status of the speaker microphone.

Pairing Button

Holding down this button for three seconds will place the speaker microphone into pairing mode so that it can be connected wirelessly to a cellular phone or tablet.

Bulkhead Connector

Used to connect the extension cable to the microphone



3.5 mm Audio Jack

Used to connect the microphone to an optional external speaker with a 3.5mm mono plug

USB-A Connector

Used to connect the microphone to a powered USB (+5V DC) source

NOTE: The BTH-600_ZU-MOB speaker microphone is powered by an external +5V source within the vehicle. The microphone operates in an "always on" mode as long as power is being supplied. In most applications, it is recommended to tie the external USB power source to vehicle ignition, so that the microphone will automatically power on and off with the vehicle.

Pairing with an Android Handset

The BTH-600-ZU-MOB speaker microphone is designed to work with handsets running the Android operating system. Prior to normal operation, the handset and speaker microphone must be paired together using the following process:



NFC Pairing

1. Make sure that the handset's NFC feature is turned on.
2. Power on the Bluetooth speaker microphone by pressing and holding the multifunction button for one second.
3. Touch the Bluetooth speaker microphone to the NFC sensor of the phone.
4. A pop-up message should appear on the screen of the phone asking if you would like to pair the two devices. Tap "Yes" to complete the pairing.

Conventional Pairing

1. Activate the pairing mode on the speaker microphone by holding down the pairing button until the status LED flashes BLUE-RED-BLUE-RED continuously in sequence
2. On your phone, go to Settings > Bluetooth.
Move the Bluetooth slider to turn the phone's Bluetooth radio on.
3. Select "Search for Devices" from the phone's Bluetooth menu.
The phone will scan for nearby Bluetooth
4. Choose "PTT-600" 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.

Reconnecting a Previously Paired Speaker Microphone and Phone

Once the speaker microphone and phone have been successfully paired together, both devices will remember that connection. They will reestablish their link whenever the speaker microphone and phone are both powered on and within range of each other, as long as the Bluetooth radio is enabled in the phone. Re-establishing this connection can take 10-60 seconds.

In the event that the phone and speaker microphone do not automatically reestablish their link, simply press the multifunction button on the BTH-600-ZU-MOB to restore the connection.

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
Three blue flashes 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

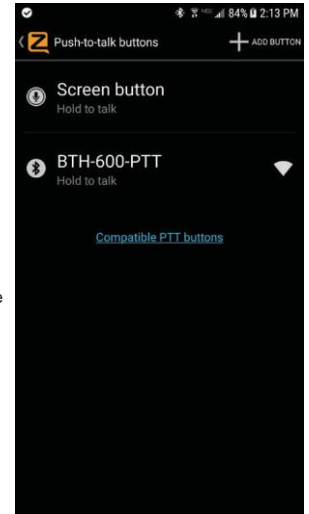
5

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

Setting up Zello (Android)

1. Make sure that your phone's Bluetooth 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 > Push-to-talk buttons
3. "BTH-600-PTT" should be listed. If it isn't, tap "+ ADD BUTTON" in the top right hand corner of the screen. When prompted, press the PTT button on the BTH-600 microphone. "BTH-600-PTT" should now be shown.
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 Bluetooth icon to activate the speaker microphone in Zello.



Once setup, you will be able to use the speaker microphone with the push-to-talk app, even if the app is running in the background.

6

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-ZU-MOB's built-in microphone and speaker (or earphone, if you are using one).
- To answer an incoming call, press the Phone button on the speaker microphone.
- While on a call, you can press the Phone button on the speaker microphone to hang up the phone and end the call.

Resetting the Microphone

Should the need arise, you can reset the BTH-600-ZU-MOB by doing the following:

1. Ensure that the microphone is powered on.
2. Press and hold both the Volume Up and Volume Down buttons for 3-5 seconds, until the microphone emits a beep and the LED on the microphone briefly lights red.

The microphone has now been reset to factory defaults. All previous paired devices have now been forgotten and the BTH-600-ZU-MOB will need to be ready for pairing with a new handset.

SPECIFICATIONS

Bluetooth Version:	v4.1
Speaker Output:	2.5 watt
Receiver Sensitivity:	-91 dBm (typ.)
Power Class:	Bluetooth class 2
Range:	10 meters
Display:	Blue and Red
Bluetooth Profile:	HFP, HSP, AVRCP, A2DP, DT
Operating Voltage:	3.3 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.)

7

8