

# PRYME®

## PRYMEBLU BTH-LMIC Wireless Lapel Microphone

The BTH-LMIC is a wireless lapel microphone kit designed for use with a PRYMEBLU Adapter and a two-way radio (sold separately).



PRYMEBLU  
BTH-LMIC

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## Controls and Connection

### EARPHONE JACK

Any standard 3.5 mm mono or stereo listen-only earphone can be plugged into this jack. Received calls can be heard over the earphone.

Can also be used with 3.5 mm 4-conductor (Apple iPhone compatible) audio accessories that contain both earphones and a microphone. Received calls can be heard over the accessory earphones and transmit audio will be taken from the accessory microphone.

Install the supplied dust cover when the jack is not in use.



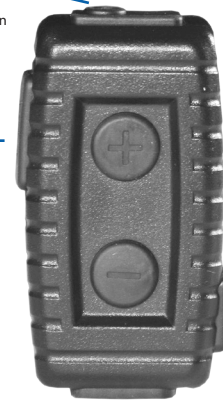
### EARPHONE

EH-1189SC included. Other earphones/audio accessories are sold separately.

**BUILT-IN MICROPHONE**  
This microphone picks up the user's voice audio to send over-the-air



**"COVERT" STATUS LED**  
Located on the rear of the PRYMEBLU lapel microphone, the status LED flashes messages that let the user know the current status of the device.

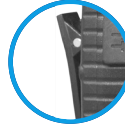


### PTT BUTTON

When the PRYMEBLU lapel microphone is paired with a PRYMEBLU Adapter, holding this button down activates the Push-to-Talk feature of the two-way radio.

### VOLUME UP/DOWN BUTTONS

These buttons can be used to set the volume level of the BTH-LMIC's earphone



### CLOTHING CLIP

The alligator-type clip secures the PRYMEBLU lapel microphone to the user's clothing during use. The clip can be rotated to allow the mic to be better positioned.

### MULTIFUNCTION BUTTON

Turns the PRYMEBLU lapel microphone on and off. Also, used to place the PRYMEBLU lapel microphone in pairing mode so that it can be connected wirelessly to a new PRYMEBLU Adapter or cellular telephone.



### CHARGE JACK

This mini-USB jack is used to connect the supplied charger in order to recharge the PRYMEBLU lapel microphone's internal battery pack

2

### 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!

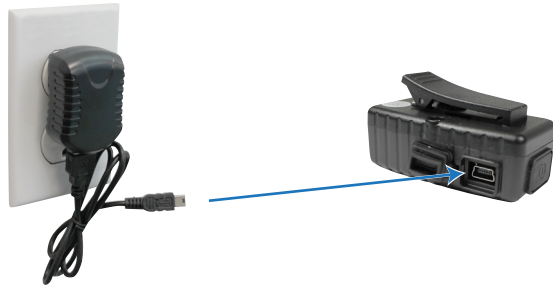
Please keep product 20cm away from your body or bystander during the radio operation. The typical handheld two-way radios were certified under mobile usage condition (i.e. keep 20cm away from the user body) and use of such radio closer than 20cm may exceed the US RF exposure limit and shall be avoided.

# PRYME®

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## Charging the BT Lapel Microphone



The PRYMEBLU Lapel Microphone has an internal Lithium Ion rechargeable battery pack which must be charged prior to operation, and must be recharged regularly. A fully charged battery will provide approximately 12 hours (or more) of 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.

### STEP ONE: Charging the BT Lapel Microphone

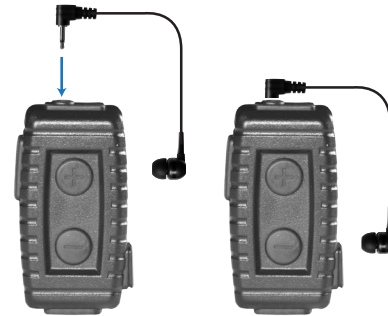
#### To charge the PRYMEBLU Lapel Microphone

1. Ensure the PRYMEBLU Lapel Microphone is turned off using the multifunction button.
2. Plug the supplied wall charger into a standard 120 volt AC outlet.
3. Plug the charge cable into the AC wall charger and then into the charge jack on the side of the PRYMEBLU Lapel Microphone. You will need to remove the protective rubber cover that is inserted into the charge jack. (To prevent dust and moisture from damaging your lapel microphone, always ensure this cover is in place when you are not charging the lapel mic.)
4. Once the charging process has begun, the LED indicator on the back of the PRYMEBLU Lapel Microphone will show a flashing red light. When the battery is done charging, the LED light will change to solid red light.
5. Typical charge time is approximately 4 hours. Actual charge time will vary depending on several factors including the battery's charge state, condition, and age.
6. Disconnect the charger from the lapel mic when charging is completed.

#### Charging Cautions:

- Use only the wall charger supplied by the manufacturer. Do not use any other charger.
- Do not use a wall charger 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 PRYMEBLU Lapel Microphone or charger.
- Always turn the power switch to the off position when charging the PRYMEBLU Lapel Microphone.

## Connecting an Audio Accessory to the Lapel Microphone



In order to be able to hear incoming signals received by the two-way radio, the PRYMEBLU Lapel Microphone must be used with an earphone. A PRYME EH-1189SC ear bud-style earphone is included with the PRYME Lapel Microphone kit.

### STEP TWO: Connecting the Earphone to the Lapel Microphone

1. Plug the earphone into the 3.5 mm audio jack located on the top of the PRYMEBLU Lapel Microphone. Make sure that the connector on the earphone is pushed all the way into the jack on the lapel microphone.
2. You can adjust the volume of received signals by using the Volume Up and Volume Down buttons on the front of the lapel microphone.

#### Other Audio Accessories:

Although the BTH-LMIC lapel microphone kit includes a PRYME ear bud-style earphone, it is possible to use a different audio accessory, if you wish. The 3.5 mm audio jack on the lapel mic will accept any mono or stereo earphone with a 3.5 mm audio plug. You can also use any Apple iPhone compatible audio accessory with a 3.5 mm 4-conductor plug. If the audio accessory has a built-in microphone, transmit audio will be taken from the accessory microphone.

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

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

These optional earphones are all sold separately. Contact your PRYME Dealer to order.

4

3

## Pairing With a PRYMEBLU Adapter and 2-Way Radio

### STEP THREE: Pairing with a PRYMEBLU Adapter

When pairing the PRYMEBLU Lapel Microphone with a PRYMEBLU Adapter, make sure that the lapel microphone, adapter, and the two-way radio the adapter is connected to are all powered off.

#### If your PRYMEBLU Adapter gets power directly from the two-way radio it is attached to:

- Hold down the Talk button on the PRYMEBLU Adapter while turning the two-way radio ON.

#### If your PRYMEBLU Adapter has its own charger/internal battery pack:

- Turn the power switch on the back of the PRYMEBLU Adapter to the ON position while holding down the Talk button on the front of the PRYMEBLU Adapter.



- Continue to hold the Talk button on the adapter down for approximately three seconds. Release the Talk button when the status LED on the PRYMEBLU adapter begins to flash two times per second. The PRYMEBLU Adapter is now in audio accessory pairing mode.
- Hold down the Multifunction Button on the PRYMEBLU Lapel Microphone. Continue to hold the button down for approximately 3 seconds, until you see the LED on the lapel mic begin to quickly flash RED-BLUE-RED-BLUE. The PRYMEBLU Adapter is now in pairing mode.
- After a few seconds, the two devices should sync to one another. Once the PRYMEBLU Lapel Microphone and Adapter are paired with each other, the status LED on the adapter will show a solid blue light for three seconds. The LED on the adapter will then show a periodic blue flash. The LED on the lapel microphone will initially show a solid blue light.
- If the PRYMEBLU Adapter does not detect the lapel 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 Lapel microphone.

#### Reconnecting to a Previously Paired BT Device

Once the PRYMEBLU Lapel Microphone and Adapter have been successfully paired together, both devices will remember that connection. The adapter and lapel mic will attempt to reestablish their link whenever when the radio/adapter and headset are both turned on and in within range of each other. Re-establishing this connection can take 10-60 seconds.

5

## Using the BTH-LMIC with a Cellular Phone or MP3 Player

Although the PRYMEBLU BTH-LMIC Lapel Microphone kit is primarily designed for two-way radio use, it can be paired to a BT enabled cellular phone or MP3 player in place of a standard BT headset. In order to pair your lapel mic and cellular phone, do the following:

- First, activate the BT feature of your cellular phone using the instructions provided by the manufacturer. For most phones, select Settings/Tools > Connections > BT > On. See your phone's user guide for more information.
- Hold down the Multifunction Button on the PRYMEBLU Lapel Microphone. Continue to hold the button down for approximately 3 seconds, until you see the LED on the lapel mic begin to quickly flash RED-BLUE-RED-BLUE. The PRYMEBLU Adapter is now in pairing mode.
- On your phone, chose the newly discovered BT device (device name is either "LMIC" or "Nighthawk") as the active connection. See your phone's user guide for more information.
- If prompted for the Passkey (PIN code), enter 0000. Pairing is successful! You should now be able to use the PRYMEBLU Lapel Mic with your cellular phone.

**Note that the PRYMEBLU Lapel Microphone does not support pairing to multiple devices. You can pair the lapel microphone with a PRYMEBLU Adapter / two-way radio OR with a cellular phone, but not both at the same time.**

When connected with a cellular phone, the Multifunction Button of the PRYMEBLU Lapel Microphone has the following functions:

CALL STATE	BUTTON PRESS	FUNCTION
Incoming call	Press Multifunction Button once	Answer call
Incoming call	Press Multifunction Button twice	Reject call
On a call	Press Multifunction Button once	Hang up
No active call	Press Multifunction Button twice	Last number redial

When used with an MP3 music player, the following buttons on the PRYMEBLU Lapel Microphone have different functions as well:

BUTTON	FUNCTION
Multifunction Button	Play / Pause music
Volume Up	Skip forward to next track
Volume Down	Skip back to previous track

**Note that you should set the volume level on the PRYMEBLU Lapel Microphone using the Volume Up / Volume Down buttons before connecting the lapel mic to a MP3 music player since the volume control functions are remapped when a music player is connected.**

7

## Testing and Using the PRYMEBLU Adapter

Once your PRYMEBLU Lapel Microphone and PRYMEBLU Adapter have been paired together:

Received signals will be heard over the PRYMEBLU Lapel Microphone's earphone. The volume of received calls can be adjusted using the Volume UP and Volume DOWN buttons on the PRYMEBLU Lapel Microphone. The volume can also be adjusted using the volume control on the two-way radio (for most models).

#### Push-to-Talk can be activated one of several different ways:

- By pressing and holding the PTT button on the PRYMEBLU Lapel Microphone.
- By pressing and holding the Talk button on the PRYMEBLU Adapter.
- Using an optional wired PTT that is compatible with the PRYMEBLU Adapter.
- Using an optional PRYMEBLU Wireless BT PTT (model BT-PTT or BT-PTT2, sold separately).

**Note that if you are using a wireless BT PTT, you will first need to pair the adapter with the PTT using the instructions located in the PRYMEBLU PTT User's Guide.**

When transmitting, the type of audio accessory that is connected to the PRYMEBLU lapel microphone determines which microphone will be selected as the audio source.

- If a listen-only earphone is used, transmit audio is taken from the internal microphone in the PRYMEBLU lapel microphone.
- If an audio accessory that has both an earphone and microphone is used, transmit audio is taken from the accessory microphone.

### STATUS LED MESSAGES

The meanings of the various status LED messages shown by the PRYMEBLU PTT are shown on the following table:

LED MESSAGE	MEANING
No indication	Device is powered off
Continuous blue-red-blue-red sequence	Pairing mode
Solid blue for 5 seconds	BT connected
Continuous solid blue	BT link is active
Continuous flashing blue	Standby mode
Continuous solid red	PTT button pressed
Two rapid red flashes	BT link lost
Red flash every three seconds	Battery low
Slow flashing red (with charger connected)	Device charging
Solid red (with charger connected)	Device finished charging

6

### SPECIFICATIONS

Version	3.0
Profiles	HSP, HFP, A2DP, AVRCP
R.F. Spec	Class 2
Power	6dB
Sensitivity	-90dB
Range (typical)	10 meters
Standby Current	6mA
Standby Time	50 hours
Average Talk Time	10 hours
Operating Temp. Range	-15° C to +50° C

### 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](http://www.PRYME.com).

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8