PRYME®

PRYMEBLU® BTH-300 Bluetooth Microphone Kit

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

KIT 1 SHOWN

PRYMEBLU BTH-300
Made in Taiwan

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Controls and Connection

BUILT-IN MICROPHONE
When the BTH-300 is used with a listen-only earphone, this microphone picks up the user's voice audio to send over- the-air. When an accessory containing a microphone is used, the internal microphone is muted.

TOP VIEW

STATUS LED
The status LED flashes messages that let the user know the current status of the device. For a complete list of the LED messages, see page 7.

PUSH-TO-TALK BUTTON
When the PRYMEBLU BTH-300 lapel microphone is paired with a PRYMEBLU Bluetooth adapter, holding this button down activates the Push-to-Talk feature of the 2-way radio.

PHONE BUTTON
When the BTH-300 is paired with a cellphone, this button can be used to manage phone functions such as answering or hanging up a call.

EARPHONE/ACCESSORY JACK
Any standard 3.5 mm 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.

POWER BUTTON
Pressing this button for one second turns the PRYMEBLU BTH-300 lapel microphone on or off. This button is also used to place the lapel microphone in pairing mode so that it can be connected wirelessly to a PRYMEBLU adapter or a cellphone.

VOLUME UP/DOWN BUTTONS
These buttons can be used to set the volume level of the earphone connected to the BTH-300's Earphone/Accessory Jack.

USB CHARGE JACK
This micro-USB jack is used to connect the supplied charge cable to the BTH-300 in order to recharge the device's internal lithium-ion battery pack.

CLOTHING CLIP
The alligator-type clip secures the PRYMEBLU BTH-300 lapel microphone to the user's clothing during use. The clip can be rotated to allow the mic to be better positioned.

EARPHONE/AUDIO ACCESSORY
PRYME EH-1189SC shown. Other earphones/ audio accessories are listed below.

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CHARGING THE BTH-300 LAPEL MICROPHONE

The PRYMEBLU BTH-300 lapel microphone has an internal Lithium Ion rechargeable battery pack which must be charged prior to operation. A fully charged battery will provide approximately 10 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.

To charge the PRYMEBLU BTH-300 lapel microphone:
1. Ensure the PRYMEBLU Lapel Microphone is turned off using the Power 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 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 continuous red light. When the battery is done charging, the LED light will turn off.
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 BTH-300 lapel microphone or charger.
- Always turn the power switch to the off position when charging the PRYMEBLU Lapel Microphone.

P-CBL-BT-USB charger cable and P-CHA-BT-USB wall charger included with BTH-300.

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CONNECTING AN AUDIO ACCESSORY TO THE BTH-300 LAPEL MICROPHONE

In order to be able to hear incoming signals received by the 2-way radio or cellphone, the PRYMEBLU BTH-300 lapel microphone must be used with a wired audio accessory that includes an earphone. A PRYME EH-1189SC ear bud-style earphone is included with the lapel microphone kit. However, many different optional wired audio accessories are also available.

To connect an audio accessory to the BTH-300 lapel microphone:
1. Plug the audio accessory into the 3.5 mm audio jack located on the top of the PRYMEBLU BTH-300 lapel microphone. Make sure that the connector on the audio accessory 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 lapel microphone or by adjusting the volume setting on the radio or cellphone.

Optional Audio Accessories:
Although the BTH-300 KIT 1 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 3.5 mm 4-conductor (Apple iPhone compatible) audio accessory that includes both an earphone and a microphone, such as Apple part numbers ME186LL/A, or MD827LL/A (not included). 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 and accessory microphones in different styles that will work with the BTH-300:

KIT	MODEL	TYPE	STYLE
BTH-300 KIT 1	EH-1189SC	Listen-only	Ear Bud Earphone
BTH-300 KIT 2	EH-1399SC Recon™	Listen-only	Acoustic Tube Earphone
BTH-300 KIT 3	EH-3099SC Bullet	Listen-only	Bullet Transducer Acoustic Tube Earphone
BTH-300 KIT 4	EH-GH99SC G-Hook	Listen-only	G-Hook Swivel Earphone
BTH-300 KIT 5	SPM-499D Ranger™	Mic+Earphone	Boom Mic Headset with D-Ring Earphone
BTH-300 KIT 6	SPM-1599 Gladiator™	Mic+Earphone	Throat Mic Headset with Acoustic Tube Earphone
BTH-300 KIT 7	SPM-899B Highway™	Mic+Earphone	Motorcycle Helmet Boom Mic Kit

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PAIRING THE BTH-300 LAPEL MICROPHONE WITH A PRYMEBLU ADAPTER OR 2-WAY RADIO

Before you can use the PRYMEBLU BTH-300, it must be paired with the PRYMEBLU Bluetooth adapter and/or cellphone that you wish to use with the lapel microphone.

To pair the BTH-300 lapel microphone with a PRYMEBLU Bluetooth radio adapter or 2-way radio:

1. When pairing the PRYMEBLU lapel microphone with a PRYMEBLU Radio Adapter or an Icom or Kenwood radio, make sure that the lapel microphone is powered off to start.

2. Press and hold down the Power Button on the BTH-300 for five seconds, until the LED on the adapter flashes RED-BLUE-RED-BLUE continuously in sequence. The BTH-300 lapel microphone is now in pairing mode.

3. If you are pairing the lapel 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 2-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 lapel microphone with an Icom or Kenwood 2-way radio, follow the manufacturer's instructions to have the radio scan for nearby headset devices. Once it finishes scanning, select the PRYMEBLU lapel microphone from the list of nearby devices.

4. After a few seconds, the two devices should sync to one another. Once the PRYMEBLU lapel microphone and adapter/radio are paired with each other the status LED on the lapel microphone will then show one FLASH every few seconds.

5. If a PRYMEBLU radio 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 without synching to the BTH-300.

6. Once successfully paired, you will be able to operate your 2-way radio using the 0BTH-300 lapel microphone.

To pair the BTH-300 lapel microphone with a cellphone:

The lapel microphone is capable of simultaneously pairing with both a PRYMEBLU Bluetooth radio adapter/2-way radio and a cell phone, enabling you to use the same lapel microphone for both radio and phone calls.

1. When pairing the lapel microphone with a cellphone, first make sure that the PRYMEBLU BTH-300 and all other nearby Bluetooth devices are powered off before beginning.

2. Press and hold down the Power Button on the BTH-300 for five seconds, until the LED on the adapter flashes RED-BLUE-RED-BLUE continuously in sequence. The BTH-300 lapel microphone is now in pairing mode.

3. Activate the Bluetooth feature on your phone.

4. 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.

5. Select the PRYMEBLU BTH-300 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.

6. After a few seconds, the two devices should synch to one another. Once the PRYMEBLU lapel 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.

7. Once successfully paired, you will be able to make and receive phone calls using the PRYMEBLU BTH-300 lapel microphone.

Reconnecting a Previously Paired Lapel Microphone and Adapter/Radio
Once the PRYMEBLU BTH-300 lapel microphone and Bluetooth adapter/radio have been successfully paired together, both devices will remember that connection. The lapel microphone and radio adapter/radio will attempt to reestablish their link whenever they are both powered on and in within range of each other. Re-establishing this connection can take 10-60 seconds.

Multi-Pairing Operation
If you wish to use the multi-pairing feature to connect the BTH-300 to both a PRYMEBLU Bluetooth radio adapter and a cellphone, you must first separately pair both the BTH-300 with the radio adapter and the BTH-300 with the phone using the procedures shown above.

Once the two devices have been paired individually to BTH-300, simply power the both the BTH-300 and 2-way radio/Bluetooth radio adapter on, and then enable the Bluetooth feature on the phone. Within a few seconds, all three devices should connect to each other, enabling operation.

NOTE: When you are on a phone call, signals received by the 2-way radio will not be heard. Additionally, if you press the PTT button on the PRYMEBLU Lapel Microphone while you are on a phone call, the 2-way radio will transmit, however no transmit audio will be sent over the air, since microphone audio is being routed to the cellphone.

TESTING and USING the BTH-300 LAPEL MICROPHONE
Once your PRYMEBLU BTH-300 lapel microphone and PRYMEBLU radio adapter and/or cellphone have been paired together:

Received signals will be heard through the earphone that is plugged into your BTH-300 lapel microphone. The volume of received calls can be adjusted using the Volume Up and Volume Down buttons on the lapel microphone or the volume control on the 2-way radio or cellphone.

As long as you are using a listen-only earphone, when transmitting or on a phone call, the operator's voice is picked-up by the microphone in the PRYMEBLU lapel 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 one of several different ways:
• By pressing and holding the PTT button on the PRYMEBLU BTH-300 lapel microphone.
• By pressing and holding the Talk/Multifunction 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 radio adapter with the PTT using the instructions located in the PRYMEBLU PTT User's Guide.

Phone functions are provided by using the BTH-300's Phone Button.

Call State	Button Press	Function
Incoming call	Press Phone Button once	Answer call
Incoming call	Press and hold Phone Button for 5 seconds	Reject call
On a call	Press Phone Button once	Hang up call
No call	Double press Phone Button	Redial last number

You can also activate your phone's voice dialing feature by pressing and holding the Phone Button on the side of the lapel microphone for three seconds. (This function works only when the microphone is NOT also connected to a 2-way radio.)

NOTE: If you are using a wired accessory with phone control buttons (such as Apple ME186LL/A) with the BTH-300, the phone control buttons on the accessory will NOT function and should not be pressed.

When the BTH-300 lapel microphone is paired to a MP3 music player or to a cellphone only, the following buttons are remapped for playing music.

Button Press	Function
Phone Button	Play/Pause Music
Volume Up	Adjust music volume up
Volume Down	Adjust music volume down
Double-press Volume Up	Skip to next track
Double-press Volume Down	Skip to previous track

STATUS LED MESSAGES

The meanings of the various status LED messages shown by the PRYMEBLU BTH-300 lapel microphone are shown on the following table:

LED INDICATION	MESSAGE MEANING
No indication	Device is off
Blue-Red-Blue-Red continuous	Pairing mode
Two short blue flashes	Device turned on
Three red flashes, then off	Device turned off
One blue flash every 2 seconds	Not paired or link lost
One blue flash every 6 seconds	Normal (paired) operation
Continuous red when PTT pressed	PTT operation
One red flash every 6 seconds	Low battery
Continuous red (when connected to charger)	Charging
No indication (when connected to charger)	Charging is finished

SPECIFICATIONS

Dimensions:	65 x 30 x 12 mm
Weight:	22 grams (excluding earphone)
Bluetooth Version:	3.0
Bluetooth Profiles:	HSP, HFP, A2DP, AVRCP
Bluetooth Power Class:	Class 2
Sensitivity:	-90 dB
Range (Typical):	10 meters (30 feet)
Built-in Battery:	3.7V, 190 mAH Lithium-Ion
Standby Current Draw:	6 mA
Standby Time:	50 hours (max)
Operating Time:	10 hours (max)
Operating Temperature 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.

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.