

PRYME[®] RADIO PRODUCTS

PRYMEBLU[®] BTH-300-KU Bluetooth Microphone Kit

For use with Android and Apple iOS smartphones using the AT&T EPTT app.



KIT 1 SHOWN

PRYMEBLU BTH-300-KU
Made in Taiwan

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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 on and on, the user is encouraged to try to correct the interference by one or 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.

PRYME[®] RADIO PRODUCTS

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Version 1.00.KU May 2016

CHARGING THE BTH-300-KU LAPEL MICROPHONE

The PRYMEBLU BTH-300-KU 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-KU 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-KU 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-KU.



Controls and Connection

BUILT-IN MICROPHONE

When the BTH-300-KU 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

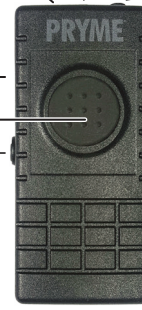
The status LED flashes messages that let the user know the current status of the device. For a complete list of the LED messages, see page 7.

PUSH-TO-TALK BUTTON

This button is used to activate the push-to-talk feature of the AT&T EPTT app.

PHONE BUTTON

When the BTH-300-KU is paired with a cellular phone, 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-KU 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 cellular phone.

VOLUME UP/DOWN BUTTONS

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

USB CHARGE JACK

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

CLOTHING CLIP

The alligator-type clip secures the PRYMEBLU BTH-300-KU 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-11895C shown. Other earphones/ audio accessories are listed below.



CONNECTING AN AUDIO ACCESSORY TO THE BTH-300-KU LAPEL MICROPHONE

The PRYMEBLU BTH-300-KU 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.

In order to be able to hear incoming signals received by the two-way radio or cellular phone, the PRYMEBLU BTH-300-KU lapel microphone must be used with a wired audio accessory that includes an earphone. A PRYME EH-11895C 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-KU lapel microphone:

1. Plug the audio accessory into the 3.5 mm audio jack located on the top of the PRYMEBLU BTH-300-KU 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 cellular phone.

Optional Audio Accessories:

Although the BTH-300-KU 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-KU:

KIT	MODEL	TYPE	STYLE
BTH-300-KU KIT 1	EH-11895C	Listen-only	Ear Bud Earphone
BTH-300-KU KIT 2	EH-13995C Recon™	Listen-only	Acoustic Tube Earphone
BTH-300-KU KIT 3	EH-30995C Bullet	Listen-only	Bullet Transducer Acoustic Tube Earphone
BTH-300-KU KIT 4	EH-GH995C G-Hook	Listen-only	G-Hook Swivel Earphone
BTH-300-KU KIT 5	SPM-499D Ranger™	Mic+Earphone	Boom Mic Headset with D-Ring Earphone
BTH-300-KU KIT 6	SPM-1599 Gladiator™	Mic+Earphone	Throat Mic Headset with Acoustic Tube Earphone
BTH-300-KU KIT 7	SPM-899B Highway™	Mic+Earphone	Motorcycle Helmet Boom Mic Kit

PAIRING THE BTH-300-KU LAPTEL MICROPHONE WITH A CELLULAR PHONE

The BTH-300-KU lapel microphone is designed to work with smartphones running either the Android or Apple iOS operating systems. Prior to normal operation, the phone and lapel microphone must be paired together using the following process (note the process for iOS and Android are different):



To pair the BTH-300-KU lapel microphone with an Android phone:

1. When pairing the lapel microphone with an Android phone, first make sure that the BTH-300-KU and all other nearby Bluetooth devices are powered off before beginning.
2. Press and hold down the Power Button on the BTH-300-KU for five seconds, until the LED on the lapel microphone flashes RED-BLUE-RED-BLUE continuously in sequence. The BTH-300-KU 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-KU 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-KU lapel microphone.

To pair the BTH-300-KU lapel microphone with an Apple iOS phone:

1. When pairing the lapel microphone with an Apple iOS phone, first make sure that the BTH-300-KU and all other nearby Bluetooth devices are powered off before beginning.
2. Press and hold down the Power Button on the BTH-300-KU for five seconds, until the LED on the lapel microphone flashes RED-BLUE-RED-BLUE continuously in sequence. The BTH-300-KU lapel microphone is now in pairing mode.
3. Activate the Bluetooth feature on your phone.
4. In the phone's Bluetooth list, two devices will be found, "BTH-300" and "PTT-K." Both of these Bluetooth devices must be paired to the phone for the BTH-300-KU's audio and push-to-talk features to work.
5. Tap on "BTH-300" to pair the phone with the Bluetooth audio. 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. Tap on "PTT-K" to pair the phone with the push-to-talk connection. The phone may also prompt you to confirm the connection.
8. Once successfully paired, you will be able to make and receive phone calls using the PRYMEBLU BTH-300-KU lapel microphone.

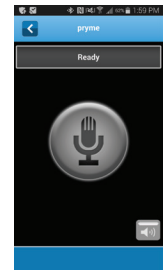
Reconnecting a Previously Paired Lapel Microphone and Radio Adapter/Cellular Phone

Once the PRYMEBLU BTH-300-KU lapel microphone and Bluetooth radio adapter and/or cellular phone have been successfully paired together, both devices will remember that connection. The lapel microphone and radio adapter/phone 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.

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Setting up AT&T Enhanced PTT

To get the AT&T EPTT app on your phone and set it up to work with the BTH-300-KU's Lapel Microphone do the following:



1. Install the AT&T EPTT app onto your phone using the Google Play Store
2. Launch the AT&T EPTT app.
3. Accept the End User License Agreement for the app.
4. When prompted, select "Yes" to activate the app.
5. Log in with your AT&T account.

Using the Lapel Microphone with AT&T EPTT

Once setup, you will be able to use the lapel microphone with the AT&T EPTT app, even if EPTT is running the background.

- To activate EPTT's push-to-talk feature, press and hold the PTT button on the lapel microphone.
- When EPTT is transmitting a call, audio will be picked up by the BTH-300-KU's built-in microphone unless a wired accessory with a built-in microphone is plugged into the lapel microphone. In that case, the accessory microphone will be used instead.
- Incoming calls received by EPTT will be heard over the earphone that is plugged into the BTH-300-KU's accessory port.

Making and Receiving Phone Calls

You can also use the lapel 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-300-KU's accessory port and microphone.
- To answer an incoming call, press the phone button on the lapel microphone.
- While on a call, you can press the phone button on the lapel microphone to hang up the phone and end the call.

Phone functions are provided by using the BTH-300-KU'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	Long press Phone Button	Activate voice dialer

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STATUS LED MESSAGES

The meanings of the various status LED messages shown by the PRYMEBLU BTH-300-KU 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:	v3.0+EDR, BTLE
Bluetooth Profiles:	HSP, HFP, A2DP, AVRCP, SPP
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

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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.

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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.

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