

PRYME[®] RADIO PRODUCTS

PRYMEBLU[®] BTH-TA5 USER'S GUIDE Bluetooth Adapter for Muff Headsets

The BTH-TA5 is an adapter that converts a standard wired Muff Headset into a wireless Bluetooth headset (muff headset sold separately).



PRYMEBLU BTH-TA5
Made in Taiwan

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.

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911 Mariner St., Brea, CA 92821
PH: 714.257.0300 FAX: 714.257.0600
TOLL FREE: 800.666.2654
WWW.PRYME.COM

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Controls and Connection



Status LED
The LED flashes messages that let the user know the current status of the PRYMEBLU Headset Adapter

Multifunction Talk Button
Used to place the PRYMEBLU Headset Adapter in pairing mode. Once paired with a two-way radio, this switch can be used to activate the Push-To-Talk function of the radio.

Velcro Fastener
Used to secure the PRYMEBLU Headset Adapter to the muff headset.

Power Switch
Turns the PRYMEBLU Headset Adapter on and off.

Headset Connector
Connects the PRYMEBLU Headset Adapter to a Muff Headset. The connector is a Switchcraft TA5 type with industry standard wiring.

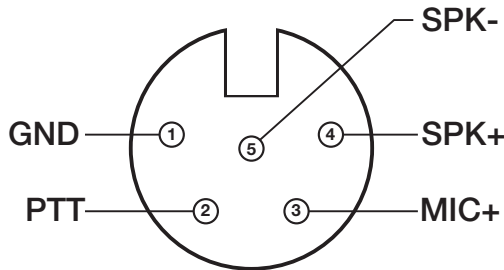
Charge Jack
Used to connect the supplied charger in order to recharge the PRYMEBLU Headset Adapter's internal battery pack.

Headset Compatibility

The PRYMEBLU BTH-TA5 headset adapter is compatible with many wired muff headsets made by different manufacturers. To be compatible, the headset must use a Switchcraft TA5 connector with industry standard wiring. The standard pin out for the TA5 is shown below. Contact your headset manufacturer if you are unsure whether your headset is wired correctly.

Additionally, the headset must use a low-voltage type microphone element such as an electret-condenser type with a bias voltage requirement of 1.5 VDC or less. Microphone cartridges with a higher voltage requirement (such as 3 or 5 VDC) are not compatible with the PRYMEBLU BTH-TA5. Contact your headset manufacturer if you are unsure about the microphone's power requirement.

Switchcraft TA5 Connector Industry Standard Wiring



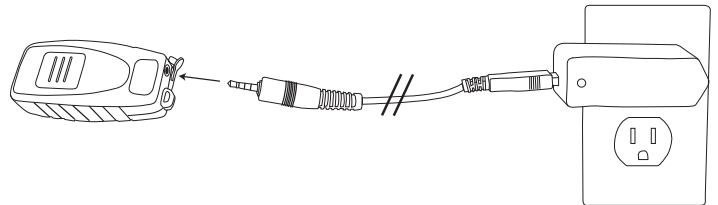
Compatible Models from PRYME: PRYME makes two muff headsets which are compatible with the BTH-TA5 adapter.

MC-EMAIR: This headset is fully compatible with the BTH-TA5 adapter.

HDS-EM-B/C: This headset is compatible with the BTH-TA5 but the high-gain (electret) microphone cartridge must be used, not the noise-cancelling (dynamic) microphone.

Charging the PRYMEBLU Headset Adapter

The PRYMEBLU Headset Adapter 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 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.



STEP ONE: Charging the PRYMEBLU Headset Adapter

To charge the PRYMEBLU Headset Adapter

1. Ensure the PRYMEBLU Headset Adapter is turned off, using the switch located on the back of the device.
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 bottom of the PRYMEBLU Headset Adapter. 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 adapter.)
4. Once the charging process has begun, the LED indicator on the side of the PRYMEBLU Headset Adapter will show a constant red light. When the battery is done charging, the LED light will change to a green color.
5. Typical charge time is approximately 2-3 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 adapter 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 Headset Adapter or charger.
- Always turn the power switch to the off position when charging the PRYMEBLU Headset Adapter.

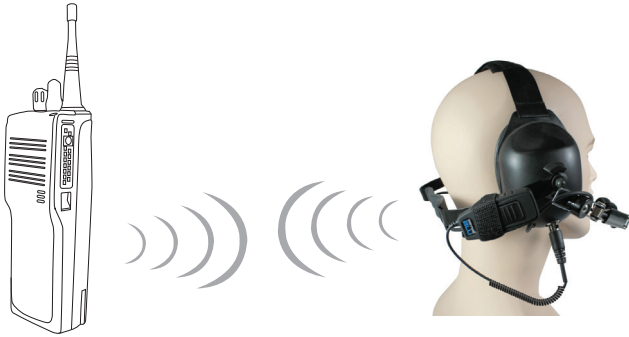
Connecting the Adapter to a Headset

STEP TWO: Connecting the Adapter to a Headset

1. Plug the Adapter's TA5 Headset Connector into the jack on the muff headset. Ensure that the connector is pushed all the way into the jack until it locks into place.
2. Secure the adapter to the headset using the Velcro Fastener. On most headsets the best place to secure the adapter is to the headband that goes over the user's head (or behind the head depending on the design of the headset).



Pairing the Headset Adapter with a Phone or Radio



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STEP THREE: Pairing the Adapter to a Phone or Radio

- When pairing the PRYMEBLU Headset Adapter with a cellular phone, Bluetooth-enabled two-way radio, or a PRYMEBLU Radio Adapter, first make sure that the Headset Adapter is powered off.
1. Place the phone or radio into pairing mode following the instructions provided by the manufacturer. For PRYMEBLU Radio Adapters, hold down the multifunction Talk button on the PRYMEBLU Adapter while powering the adapter ON. (For PRYMEBLU Adapters which get their power from the two-way radio, hold down the Talk button while turning the radio on.) Continue to hold down the Talk button until the LED on the Adapter changes from a single flash to a double flash, about three seconds.
 2. Place the PRYMEBLU Headset Adapter into pairing mode by holding down the multifunction Talk button while turning the slide Power Switch on the adapter to the ON position. Continue to hold down the Talk button until the LED on the Adapter flashes in a BLUE-RED-BLUE-RED pattern, about three seconds.
 3. On some phones you may be prompted to enter a passcode for the Bluetooth connection to complete. If so, enter code: "0000".
 4. Place the phone or radio and Headset Adapter in proximity to one another and wait. After a few seconds, the two devices should be synch with each other. Once paired with each other, the status LED on the Headset Adapter will show one blue flash every four seconds.

Reconnecting to a Previously Paired Phone or Radio

Once the PRYMEBLU Headset Adapter has been successfully paired to a phone or radio, both devices will remember that connection. The adapter and phone/radio will attempt to reestablish their link whenever the two devices are both turned on and in within range of each other. Re-establishing this connection can take 10-60 seconds.

Using the PRYMEBLU Headset Adapter

Once your PRYMEBLU Headset Adapter and phone or radio have been paired together: Received signals will be heard over the earphones in the muff headset. The volume of received calls can be adjusted using the volume control knob on the two-way radio. Some muff headsets also feature a built-in volume control knob which can be used.

For Two-Way Radios, Push-to-Talk can be activated one of several different ways:

- By pressing and holding the Multifunction button on the PRYMEBLU Headset Adapter.
- By pressing and holding the PTT button located on the muff headset.
- By pressing and holding the Talk button on the radio's PRYMEBLU Adapter.
- Using an optional wired PTT that is compatible with the PRYMEBLU Adapter.

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Status LED Messages

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



LED INDICATION	MEANING
Single BLUE flash every 6 seconds	Adapter is powered on but not paired
BLUE-RED-BLUE-RED alternatively	Adapter is in pairing mode
One BLUE flash every 4 seconds	Adapter is powered on and paired with a phone/radio
Constant RED	Battery is low or battery is charging
Constant GREEN	Charging is finished

SPECIFICATIONS	
Bluetooth Version:	v2.1+EDR
Modulation Type:	GFSK, 8DPSK
Output Power:	6 dBm
Receiver Sensitivity:	-82 dBm typical
Power Class:	2
Range:	10 meters max
Display:	2 color LED
Bluetooth Profile:	HFP
Operating Voltage:	5 VDC typical
Battery Capacity:	330 mAH
Talk Time:	12 hours
Push-to-Talk Function:	Built-in
Operating Temperature:	-20° C to +50° C
Weight:	140g

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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 PRYME BLU 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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