

# Mobility Sound

## Mobile Bluetooth Adapter



### BLUETOOTH ADAPTER USER'S GUIDE For Compatible Wireless Audio Accessories

The Mobility Sound Bluetooth Adapter BTM-XXX allows you to use a compatible wireless headset or other audio accessory with your two-way radio.

Bluetooth Adapter  
Model No.: BTM-XXX  
Made in Taiwan

Version 1.0 Aug. 2012

## Controls and Connection

### PTT

Used to place the Bluetooth Adapter in pairing mode. The LED flashes messages that let the user know the current status of the Bluetooth Adapter. Once paired with an audio accessory, this switch is used to activate the Push-To-Talk function of the two-way radio.



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### QUICK START

1. Connect the Mobility Sound Bluetooth adapter (BTM-XXX) to a compatible two-way radio.
2. Pair the Bluetooth adapter with a compatible wireless audio accessory.
3. Connect a BT-PTT accessory (optional).
4. Test and use.

### Connecting the Adapter to Radio



#### STEP ONE: Connecting to Two-Way Radio

- To connect your Bluetooth adapter to a two-way radio, follow these steps:
- \* Always turn off your two-way radio before connecting the Bluetooth adapter.
  - \* Plug the Bluetooth Adapter BT-Adapter into the speaker-microphone / audio accessory jack of your two-way radio.
  - \* On some models of two-way radio, you may need to tighten a retaining screw to ensure that the Bluetooth adapter remains attached to the radio
  - \* Turn on your two-way radio and verify that the radio transmits and receives with the adapter attached.
  - \* Because no wireless audio accessory will yet be paired to the Bluetooth adapter, received signals should be heard over the radio's internal speaker and transmitted signals will be sent using the radio's internal microphone.
  - \* The Talk button on the Bluetooth adapter will not function as a Push-to-Talk button for your two-way radio until a wireless audio accessory is successfully paired to the adapter.

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### Pairing With an Audio Accessory



#### STEP TWO: Pairing with an Audio Accessory

- \* Turn on the radio switch behind the BTM-XXX while holding down the PTT button on the Bluetooth adapter.
- \* Continue to hold the PTT button down for approximately 3 seconds.
- \* Release the PTT button when the status LED begins to flash two times per second.
- \* The Bluetooth adapter is now in audio accessory pairing mode. Activate the pairing mode on your compatible wireless audio accessory.
- \* Once the wireless audio accessory and Bluetooth adapter are paired with each other, the status LED on the adapter will show a constant blue light for three seconds.
- \* If the Bluetooth adapter does not detect a compatible wireless accessory 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 two-way radio using your compatible wireless accessory.

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## Connecting a BT-PTT to the Bluetooth Adapter



### STEP THREE: Using a Mobility Sound BT-PTT (Optional)

Please refer to BT-PTT user's manual

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### STATUS LED MESSAGES

The meanings of the various status LED messages shown by the Bluetooth adapter are shown on the following table:

LED INDICATION	MEANING
One flash per 4 seconds	Normal operation
Two flashes per second	Audio accessory pairing mode active
One long flash for three seconds	Successfully paired or re-paired
No indication	Radio is turned off

### TROUBLESHOOTING

*My wireless audio accessory will not pair with the Bluetooth Adapter.*

Follow the instructions to place the Bluetooth adapter into the correct pairing mode and then activate the pairing mode on the accessory. Make sure that the Bluetooth adapter and accessory being paired are within one meter of each other.

*My wireless audio accessory or worked before, but is not working now.*

Make sure that the Bluetooth adapter is properly connected to the two-way radio and that the radio is turned on. Ensure that your wireless audio accessory has a fully charged battery and is turned on. If the devices will still not work, re-pair the Bluetooth adapter to the wireless accessories.

**DISCLAIMER:** The wireless link used by Mobility Sound 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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### STEP FOUR: Transmit and Receive Operation

Push-to-Talk can be activated by any of the following methods:

- \* Pressing and holding the PTT button of the Bluetooth adapter.
- \* Using the BT-PTT button.

\* If no audio accessory is paired with the Bluetooth adapter, or the paired wireless audio accessory is turned off, the radio will not transmit.

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## Support and Warranty

This product is covered by a one-year manufacturer's limited warranty. For support or warranty service on your Mobility Sound product, contact us or visit us on the web at [www.mobilitysound.com.tw](http://www.mobilitysound.com.tw).

### 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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