**BTH-900**
**Bluetooth Dual Muff Headsets**

The BTH-900 are Bluetooth Muff Headsets designed for use with a MobilitySound Bluetooth adapter and a two-way radio (each sold separately)

**BTH-900**
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 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.



## Controls and Connections

**PUSH-TO-TALK BUTTON**
When the Headset is paired with a MobilitySound Bluetooth adapter, holding this button down activates the Push-to-Talk feature of the two-way radio.

**POWER BUTTON / STATUS LED**
Pressing this button for one second turns the Muff Headset on or off. This button is also used to place the Headset in pairing mode so that it can be connected wirelessly to a BT adapter or a cellular telephone. The status LED behind the button flashes messages that let the user know the current status of the device. Complete list of LED, see pg 6.

**PHONE BUTTON**
When the Headset is paired with a cellular telephone, this button can be used to manage telephone functions such as answering or hanging up a call.

**VOLUME UP/DOWN BUTTONS**
These buttons are used to adjust the volume level of received calls heard through the Headset.

**MUFF EARPHONES**
Received calls are heard through these Headset speakers.

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



## CHARGING THE HEADSET

The MobilitySound BT Muff Headset 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 MobilitySound BT Muff Headset:**
1. Ensure the Headset 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 Headset. You will need to remove the protective rubber cover that is inserted into the charge jack. (To prevent dust and moisture from damaging your Headset, always ensure this cover is in place when you are not charging the Headset.)
4. Once the charging process has begun, the LED indicator on the Headset 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.)
- Do not tamper with or modify the Headset or charger.
- Always turn the power switch to the off position when charging the Headset.

**P-CBL-USB-MICRO charger cable and P-CHA-BT-USB wall charger included with the Headset.**



## PAIRING THE HEADSET WITH A MobilitySound BT ADAPTER OR CELLULAR TELEPHONE

Before you can use the MobilitySound BT Muff Headset, it must be paired with the MobilitySound BT Bluetooth adapter and/or cellular telephone that you wish to use.

**To pair the Headset with a MobilitySound BT Bluetooth radio adapter:**
1. Begin by first making sure that the Headset, BT radio adapter, and the two-way radio the adapter is connected to are all powered off. You should also power off any nearby Bluetooth devices.
2. Place the BT radio adapter into pairing mode by following the instructions that were provided with that device. On most BT adapters this is done by pressing and holding the PTT/Multifunction button on the adapter while turning the two-way radio on. Continue to hold the button down until the LED indicator on the adapter shows two blue flashes every second.
3. Press and hold down the Power Button on the BT Muff Headset for five seconds, until the LED on the Headset flashes RED-BLUE-RED-BLUE continuously in sequence. The Headset is now in pairing mode.
4. After a few seconds, the two devices should synch to one another. Once the Headset and BT radio adapter are paired with each other the status LED on the adapter will show a constant blue light for three seconds. The LEDs on both the adapter and Headset will then show one blue flash every few seconds.
5. If the BT radio adapter does not detect the Headset within 60 seconds of being put into pairing mode, the adapter will exit the pairing mode and resume normal operation without synching to the .
6. Once successfully paired, you will be able to operate your 2-way radio using the BT Muff Headset.

**To pair the Muff Headset with a cellular telephone:**
The BT headset is capable of working with a Bluetooth-enabled cellular telephone. The Headset is even capable of simultaneously pairing with both a BT radio adapter and a cell phone, enabling you to use the same Headset for both radio and telephone calls.

1. When pairing the Headset with a cellular phone, first make sure that the headset and all other nearby Bluetooth devices are powered off before beginning.
2. Press and hold down the Power Button on the headset for five seconds, until the LED on the adapter flashes RED-BLUE-RED-BLUE continuously in sequence. The headset Headset 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 Headset 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 BT Headset 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 telephone calls using the Headset.

**Reconnecting a Previously Paired Headset and Radio Adapter/Cellular Phone**
Once the MobilitySound BT Muff Headset and Bluetooth radio adapter and/or cellular telephone have been successfully paired together, both devices will remember that connection. The Headset 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.

**Multi-Pairing Operation**
If you wish to use the multi-pairing feature to connect the Headset to both a MobilitySound BT Bluetooth radio adapter and a cellular phone, you must first separately pair both the Headset with the radio adapter and the Headset with the phone using the procedures shown above.

Once the two devices have been paired individually to the Headset, simply power the both the Headset and two-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 two-way radio will not be heard. Additionally, if you press the PTT button on the PRYMBLU headset while you are on a phone call, the two-way radio will transmit, however no transmit audio will be sent over the air, since microphone audio is being routed to the cellular phone.

**TESTING AND USING THE MobilitySound BT MUFF HEADSET**
Once your Headset and MobilitySound BT radio adapter and/or cellular phone have been paired together:

Received signals will be heard through the speakers in the MobilitySound BT Muff Headset. The volume of received calls can be adjusted using the Volume Up and Volume Down buttons on the Headset or the volume control on the two-way radio or cellular phone.

The operator's voice is picked-up by the boom microphone in the MobilitySound BT

Muff Headset.. Push-to-Talk can be activated one of several different ways:
• By pressing and holding the PTT button on the MobilitySound BT Muff Headset.
• By pressing and holding the Talk/Multifunction button on the MobilitySound BT Adapter.
• Using an optional wired PTT that is plugged into the MobilitySound BT Adapter.
• Using an optional MobilitySound BT Wireless Bluetooth PTT (model BT-PTT2, sold separately). Note that if you are using a MobilitySound BT BT-PTT2, you will first need to pair the radio adapter with the PTT using the instructions located in the MobilitySound BT PTT User's Guide.

**Telephone functions are provided by using the Headset'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 |

*Continued on next page*



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

When the Headset is paired to a MP3 music player or to a cellular phone 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 MobilitySound BT Muff Headset 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**

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|---|---|
| Dimensions: | 240mm X 230mm X 160mm (SPM-900-EMB) |
| Weight: | 410 grams (SPM-900-EMB) |
| 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, 330mAH 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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