Mobility Sound

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.

Mobility Sound BT-PTT2 PUSH-TO-TALK USER GUIDE

For use with Mobility Sound wireless Bluetooth Adapters (Sold Separately)

The Mobility Sound BT-PTT2 allows you to Push-to-Talk wirelessly over your two-way radio when using with a Mobility Sound Adapter and a compatible wireless headset.

This manual applies to the Mobility Sound BT-PTT2 Push-to-Talk transmitter

The Mobility Sound BT-PTT2 works with all Mobility Sound Bluetooth Audio Adapters.

Mobility Sound   BT-PTT2
Model No.: BT-PTT2
Made in Taiwan

All other product or service names are the property of their respective owners.

Controls and connection

Power button, long press to turn BT-PTT2 on and off.

PTT button
When paired with Mobility Sound Audio Adapter and headset, this button functions as a Push-to-talk, when this button is press, will cause the radio to transmit.

LED indicator
Messages the status of BT-PTT2

Dust cover
Used to cover the USB port when BT-PTT2 is not being charged.

USB Charge Port
Is used to connect to power for charging

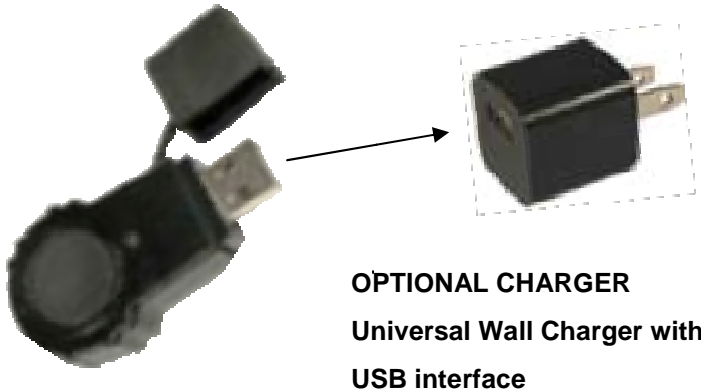**Clothing Clip**
This 360˚ rotating clip can be used to secure the BT-PTT2 to user's clothing or any other convenient location.

QUICK START

1. **Charge the Mobility Sound BT- PTT2**
2. **Pair the Mobility Sound Adapter with a wireless headset**
3. **Pair the Mobility Sound BT- PTT2 with the Mobility Sound Audio Adapter**
4. **Test and Use.**

OPTIONAL CHARGER

Universal Wall Charger with

USB interface

STEP ONE: Charging the Mobility Sound BT-PTT2

The Mobility Sound BT- PTT2 has an internal Lithium-ion rechargeable battery pack which must be charged prior to operation, and must be recharged regularly. A fully charged battery should provide more than 12 hours of operation before needing to be recharged.

To charge the Mobility Sound BT-PTT2:

- Ensure the Mobility Sound BT- PTT2 is turned off, using the power button located on the side of the device.
- Plug the USB charge port on the bottom of the BT- PTT2 into any powered USB connector. You will first need to remove the protective rubber dust cover. (To prevent dust and moisture from damaging your BT- PTT2, always ensure this cover is in place when you are not charging the device).
- When charging, the LED on the BT- PTT2 will show a solid blue light. When the device is done charging, the LED light will turn off.
- The Mobility Sound BT- PTT2 takes approximately 4.5 hours to charge. Actual charge time will vary depending on several factors including the battery's charge state, condition, and age.

Charging Cautions:

- Use only a POWERED USB port for charging   Non- powered ports (such as on a USB hub) will **NOT work.**
- Do not use a wall charger that appears to be damaged. (Example: frayed wires, melted plastic, etc.)
- Do not tamper with or modify the Mobility Sound BT- PTT2 or the charger.
- Always turn **OFF** the power when charging the Mobility Sound BT- PTT2.

Mobility Sound

Pairing With an Audio Accessory

STEP TWO: **Pairing MOBILITYSOUND Audio Adapter, Wireless Headset, and BT-PTT2**

In order to operate, the MOBILITYSOUND BT-PTT2 must be paired to a MOBILITYSOUND Adapter). However, The MOBILITYSOUND Adapter must first be paired to a wireless Bluetooth headset. To pair these devices, follow this procedure:

Pairing the MOBILITYSOUND Adapter and Bluetooth Headset

- The MOBILITYSOUND Adapter (some models will need a charged battery inside) must be connected to a compatible radio. Ensure the two-way radio, Bluetooth headset, and MOBILITYSOUND BT-PTT2 are all powered off.
- Place the MOBILITYSOUND Adapter in **Audio Accessory Pairing mode**. On most adapters, this is done by holding down the PTT button on the MOBILITYSOUND Adapter first then turn on the 2-way radio's power. Continue to hold the PTT button down for approximately three seconds. until the status LED flashes two times per second. The MOBILITYSOUND Adapter is now in audio accessory pairing mode.
- Activate the pairing mode on your Bluetooth headset by following the instructions provided by the headset's manufacturer. Once the wireless audio accessory and MOBILITYSOUND Adapter are paired with each other, the status LED on the MOBILITYSOUND Adapter will show a constant blue light for three seconds.
- Once the headset and MOBILITYSOUND Adapter have been successfully paired, turn off the two-way radio and Bluetooth headset and wait at least three seconds.

Pairing the MOBILITYSOUND Audio Adapter and MOBILITYSOUND BT-PTT2

- Holding down the PTT button on the MOBILITYSOUND Adapter then turn on the 2-way radio. Continue to hold the PTT button down for approximately three seconds. Release the PTT button when the status LED flashes two times per second.

- Press and release the PTT button again. The LED should now flash three times per second, indicating that the MOBILITYSOUND Audio Adapter is now in PTT pairing mode.

- Place the MOBILITYSOUND BT-PTT2 in pairing mode, first make sure BT-PTT2 is in power off status, then holding down the Push-To-Talk and power buttons on the side of the device simultaneously and continue to hold down both the buttons about 3 seconds until the LED indicator on the MOBILITYSOUND BT-PTT2 shows two blue flashes every second. You can then release the Push-to-Talk and power buttons. The MOBILITYSOUND BT-PTT2 is now in pairing mode.

- Once the MOBILITYSOUND Audio Adapter and MOBILITYSOUND BT-PTT2 are paired with each other, the status LED on the MOBILITYSOUND Audio Adapter will show a constant blue light for three seconds and the LED on the PTT will show one blue flash every six seconds.

- If the MOBILITYSOUND Audio Adapter or MOBILITYSOUND BT-PTT2 does not detect a compatible wireless accessory within 60 seconds of being put into pairing mode, the devices will exit the pairing mode and resume normal operation.

- After pairing is successful, turn off the MOBILITYSOUND BT-PTT2 and the two-way radio that the MOBILITYSOUND Audio Adapter is attached. Wait at least three seconds.

Mobility Sound

Testing and Using the MOBILITYSOUND BT-PTT2

STEP THREE: Testing and Using the MOBILITYSOUND BT-PTT2

- After the Bluetooth headset, MOBILITYSOUND Audio Adapter and MOBILITYSOUND BT-PTT2 have been paired with each other you can test and use them together:

- Turn on the two-way radio which MOBILITYSOUND Audio Adapter is connected to.

- Turn on the Bluetooth headset. Within a few seconds the LED indicator on the MOBILITYSOUND Audio Adapter should show a long flash, indicating the Bluetooth headset and MOBILITYSOUND Audio Adapter are connected.

- Turn on the MOBILITYSOUND BT-PTT2. The LED indicator on the MOBILITYSOUND BT-PTT2 will flash rapidly.   Within a few seconds the LED indicator will show one blue flash per second, indicating that it is connected wirelessly to the MOBILITYSOUND Audio Adapter.

- You will now be able to operate using the wireless accessories. Pressing the Push-to-Talk button on the MOBILITYSOUND BT-PTT2 will trigger the two-way radio to start transmitting. Transmitted audio will be picked up by the Bluetooth headset. Received signals will also be heard through the Bluetooth headset's earphone.

Mobility Sound

STATUS LED MESSAGES

The meanings of the various LED messages shown by the

MobilitySound BT-PTT2 are shown on the following table

LED INDICATION	MEANING
No indication	Device is powered off
Two Blue flashes every second	Pairing mode
One Blue flashes every 6 seonds	Bluetooth connected
Continuous solid red	PTT button pressed
Repeated rapid blue flash	Bluetooth link lost
One blue flashes every second	Battery low
Continuous solid blue(when connected charging)	Device is in charging
No indication (when connected charging)	Device charging completed

SPECIFICATION

SPECIFICATION	
Operating Temperature	-20 ℃ to 50 ℃
Storage Temperature	-40 ℃ to 80 ℃
Size	65mm(H) x 30mm(W) x 17mm(D)
Weight	25 grams
Bluetooth version	Fully qualified Bluetooth 2.1
Chip set	CSR BC5 + 16MB external flash
Receiver sensitivity	-82 dbm (typical)
Bluetooth power class	Class 2
Maximum range	10 meters
Display	Two-color LED
Bluetooth profile support	SPP(Serial Port Profile)
DC input	5V DC
Current Draw	16mA(average), 20mA(maximum)
Battery	240mAh Lithium-ON

Charging type	USB

Troubleshooting

My MobilitySound BT-PTT2 will not pair with the MobilitySound Adapter.

Follow the instructions to place the Mobility Sound Adapter into the correct pairing mode and then activate the pairing mode on the Mobility Sound BT‑PTT2. Make sure that the Mobility Sound Adapter and PTT are within one meter of each other. Make sure that all other nearby Bluetooth devices are turned off. These devices can interfere with the pairing process.

My Mobility Sound BT-PTT2 worked fine before, but is not working now.

Ensure that your Mobility Sound BT‑PTT2 has a fully charged battery and is turned on. Ensure that the Bluetooth headset is powered on and paired with the Mobility Sound Adapter. If the devices will still do not work, re‑pair the Mobility Sound Adapter, Bluetooth Headset, and Mobility Sound BT‑PTT.

SUPPORT AND WARRANTY

Mobility Sound Technology Ltd., warrants this product against defects in materials or workmanship for a period of one year from the date of retail purchase. ***Mobility Sound*** 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. 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 Mobility Sound Technology Ltd 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 ***Mobility Sound***, 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 ***Mobility Sound*** 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.

For support or warranty service on your ***Mobility Sound*** product, contact us at info@mobilitysound.com or visit us on the web at www.mobilitysound.com

DISCLAIMER: The Bluetooth 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.