

PRYME®

PRYMEBLU BTH-M100V Wireless BT Headset

Wireless Open-Ear Bone Conduction Headset
with Noise-Canceling Microphone

Works with PRYMEBLU radio adapters as well as cell phones, tablets, and PCs.



Model No.: BTH-M100V
Made in Taiwan

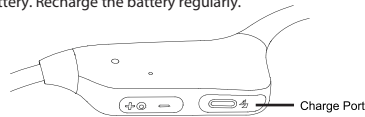
FCC ID: 2ARQZ-M100V



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CHARGING THE HEADSET

The headset contains an internal lithium-ion rechargeable battery pack that must be charged before first use and recharged regularly. A fully charged battery can provide up to 8 hours of continuous operation before needing to be recharged. However, actual operating time may vary based on usage and the condition of the battery. Recharge the battery regularly.



To Charge the Headset:

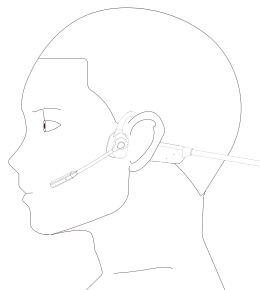
1. Ensure the device is powered off.
2. Connect the charging cable to any powered USB outlet, such as an AC wall charger, and plug the other end into the charging port on the headset.
3. Once charging begins, the LED indicator on the headset will display a constant red light.
4. Typical charging time is approximately 2 hours, though it may vary depending on factors such as the battery's current charge level, condition, and age.
5. When the battery is fully charged, the LED indicator will change to a constant blue light.
6. Disconnect the charger from the headset once charging is complete.

Charging Cautions:

- Ensure the charging port is free of water or debris before connecting the charger.
- Do not use a wall charger or charging cable that appears damaged (e.g., frayed wires, melted plastic, etc.). Contact PRYME to obtain a manufacturer-approved replacement.
- Do not tamper with or modify the headset or charger.
- Make sure the rubber cover is securely in place over the charging port when not in use.
- Always turn the headset off while charging.

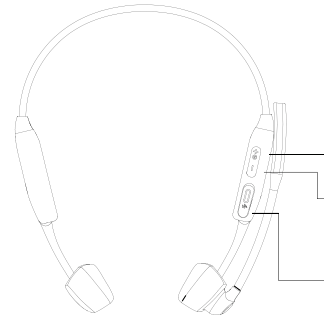
WEARING THE HEADSET

Wear the headset as shown in the image. Position the ear hooks over your ears, ensuring that the boom mic rests comfortably in front of your mouth. The bone conduction transducers should be placed directly in front of your ear, flat against your skull, just below your temples.



3

Controls and Connections



POWER/VOLUME+ BUTTON

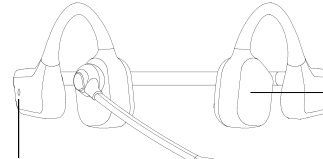
This button is used to power the headset on and off, adjust the volume up, or advance to the next song when listening to music.

VOLUME- BUTTON

This button is used to decrease the volume or go back to the previous song.

CHARGE PORT

This USB-C port is used for recharging the headset by connecting the BTH-M100V to a USB charger or any USB power source.



BONE CONDUCTION TRANSDUCERS

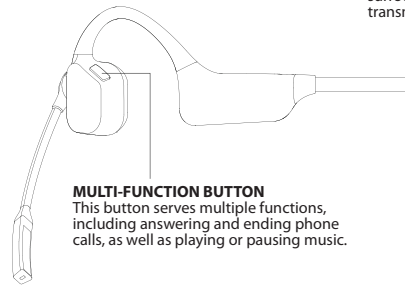
These speakers transmit audio through vibrations, allowing the user to hear both the headset audio and ambient sounds by keeping the ears open and uncovered.

LED INDICATOR

The dual-colored red and blue LED flashes to indicate the headset's status.

NOISE REDUCTION BOOM MICROPHONE

Dual microphones are used to cancel out surrounding background noise while transmitting clear voice audio.



MULTI-FUNCTION BUTTON

This button serves multiple functions, including answering and ending phone calls, as well as playing or pausing music.

2

POWERING THE HEADSET ON OR OFF

To power the headset on, press and hold the Power/Volume+ button for four seconds. The LED will flash blue twice to indicate that it has powered on.

To power the headset off, press and hold the Power/Volume+ button for four seconds. The LED will flash red twice to indicate that it has powered off.

PAIRING THE HEADSET

The headset can be paired with a PRYMEBLU radio adapter, a two-way radio with built-in BT functionality, a smartphone or tablet running Android or iOS, or a Windows PC.

Before using the headset, it must be paired with your chosen device by following these steps:

- Power on the headset.
- After powering on, the headset will automatically enter pairing mode, and the LED will quickly flash in a RED-BLUE-RED-BLUE sequence.
- If pairing with a PRYMEBLU adapter, put the adapter into pairing mode by following the instructions in the user manual.
- If pairing with a two-way radio, follow the radio manufacturer's instructions to scan for nearby BT devices. Once scanning is complete, select the headset from the list.
- If pairing with a smartphone or tablet, ensure the device's BT is turned on, then access the BT menu and scan for nearby devices. Select the headset from the list.
- If pairing with a Windows PC, go to "Start > BT & Devices > Devices" and then click "Add Device > BT" and select the headset from the list of nearby devices.
- After a few seconds, the two devices should sync. Once paired, the headset's status LED will flash blue once every ten seconds.

Reconnecting a Previously Paired Device

Once the headset has been successfully paired, both devices will remember the connection. They will attempt to re-establish their link whenever they are both powered on and within range. This reconnection process may take between 10 to 60 seconds.

MULTI-PAIRING

The headset can be connected to two devices simultaneously. To connect a second device, such as a phone or tablet, in addition to a PRYMEBLU adapter, follow these steps:

1. Power off or disable BT on the first connected device.
2. Repeat the pairing process with the second device as described earlier.
3. Once the second device is paired and connected, simply power on or re-enable BT on the first device.

PRYMEBLU adapters and two-way radios may block some functions on the second device, such as streaming audio and music.

4

USING THE HEADSET

General Operation

Short press the Volume+ button to increase the volume by one step.
Short press the Volume- button to decrease the volume by one step.
Long press the Volume- button for two seconds to mute the microphone. A reminder tone will sound in the headset every ten seconds to indicate the mic is muted.
Long press the Volume- button again for two seconds to unmute the microphone.
Long press the Multi-Function Button for four seconds to activate the Voice Assistant feature on your phone or tablet.

Radio Adapter Operation

There is no PTT button on the headset.
To transmit, press and hold the PTT/Multifunction button on the PRYMEBLU Adapter.
Alternatively, you can use one of PRYME's optional wireless PTT button such as the BT-PTT-Z or BT-PTT-ZU

Call Management

Short press the Multi-Function Button to answer or end a phone call.
Long press the Multi-Function Button for two seconds to reject an incoming call.
Short press the Multi-Function Button twice rapidly to redial the last number.
Short press the Multi-Function Button to answer a new incoming call while ending the current call.
Short press the Multi-Function Button twice rapidly to answer a new incoming call while placing the current call on hold.
Short press the Multi-Function Button twice rapidly to switch between an active call and a call on hold.

When Listening to Music

Short press the Multi-Function Button once to pause music.
Short press the Multi-Function Button again to resume playback.
Short press the Volume+ button to increase the volume by one step.
Short press the Volume- button to decrease the volume by one step.
Long press the Volume+ button for two seconds to skip to the next song.
Long press the Volume- button for two seconds to go back to the previous song.

Resetting the Headset to Factory Defaults

To reset the headset and erase all pairings press and hold the Volume+ and Volume- buttons simultaneously for three seconds.

STATUS LED MESSAGES

The meanings of the various status LED messages shown by the Speaker Microphone are shown on the following table:

LED INDICATION	MEANING
Continuous red light	Device is charging
Continuous blue light	Device is fully charged
Blue light flashes twice	Power on
Red light flashes twice	Power off
Blue and red lights alternate continuously	Pairing mode
Blue light flashes once every ten seconds	Normal operation
Red light flashes every three seconds	Call is incoming
Red light flashes ever second	Battery is low
Blue and red lights alternate	Device is reset

5

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

DISCLAIMER: The wireless link used by PRYMEBLU products is an open standard, unsecured technology. As such, it may not be suitable for first-responder or other mission-critical users.

TROUBLESHOOTING

- The bone conduction speaker of the headset should be worn on the cheekbone, in front of the ear. Do not place the speaker directly in or over the ear.
- Listening to audio at high volume for an extended periods may cause hearing damage. Please listen at a moderate volume level.
- Keep the headset away from fire or high-voltage electrical equipment.
- Store the headset in a dry, well-ventilated place. If not used for an extended period, charge the headset at least once every two months.
- If the headset is exposed to water or sweat after exercise, wipe it with a clean cloth afterwards.
- If the headset is not functioning properly, reset it.

SPECIFICATIONS

Model No.:	BTH-M100V
BT Version:	5.2
BT Profiles:	A2DP, AVRCP, HSP, HFP, AAC, etc.
Maximum Range:	10m unobstructed
Weight:	40g
Audio Channels:	Stereo
Speaker Frequency:	50 Hz – 20 kHz
Sound Quality:	APT-X-HD/no distortion
Microphone:	AI/DSP dual-microphone noise-reduction technology
Standby Time:	200 hours
Operating Time:	8 hours (at 70% volume)
Charge Time:	1.5 hours
Charge Voltage:	5 VDC
Charge Port:	Type-C USB
Battery Capacity:	180 mAh
Operating Temperature:	10°C ~60°C
Waterproof Level:	IP65

6

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!

This device contains transmitters and receivers which emit Radio Frequency (RF) energy. The device is designed to comply with the limits for exposure to RF energy set by the Federal Communications Commission (FCC) of the United States, Industry Canada (IC), and the regulating entities of other countries.

If you are concerned about exposure to RF energy, you can reduce your exposure by limiting the amount of time you use the device or by increasing the distance between your body and the device, as the exposure level decreases significantly with distance.

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