

PRYME[®]

RADIO PRODUCTS

PRYMEBLU BTH-SPM100 Wireless Bluetooth Speaker Microphone

The PRYMEBLU BTH-SPM100 is a Bluetooth enabled version of the PRYME Observer remote speaker microphone. The BTH-SPM100 connects wirelessly to a PRYMEBLU Radio Adapter.



Model No.: BTH-SPM100 Series
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.

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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Charging the PRYMEBLU Speaker Microphone

The PRYMEBLU Speaker Microphone 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 11 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 Speaker Microphone

To charge the PRYMEBLU Speaker Microphone

1. Ensure the PRYMEBLU Speaker Microphone is turned off using the multifunction 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 bottom of the PRYMEBLU Speaker Microphone. You will need to remove the protective rubber cover that is inserted into the charge jack. (To prevent dust and moisture from damaging your speaker microphone, always ensure this cover is in place when you are not charging the BTH-SPM100.)
4. Once the charging process has begun, the LED indicator on the bottom of the PRYMEBLU Speaker Microphone will show a constant red light. When the battery is done charging, the LED light will change to a constant green color.
5. Typical charge time is approximately three 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 Speaker Microphone or charger.
- Always turn PRYMEBLU Speaker Microphone off when charging.

Controls and Connection



Pairing with a PRYMEBLU Radio Adapter and 2-way Radio



STEP TWO: Pairing with a PRYMEBLU Radio Adapter

When pairing the PRYMEBLU Speaker Microphone with a PRYMEBLU Radio Adapter, make sure that the speaker microphone, adapter, and the two-way radio the adapter is connected to are all powered off.

If your PRYMEBLU Radio Adapter gets power directly from the two-way radio it is attached to:

- Hold down the Talk button on the PRYMEBLU Radio Adapter while turning the two-way radio ON.

If your PRYMEBLU Radio Adapter has its own charger/internal battery pack:

- Turn the power switch on the PRYMEBLU Radio Adapter to the ON position while holding down the multifunction Talk button on the PRYMEBLU Radio Adapter.

If your PRYMEBLU Radio Adapter gets power from an external source (such as an automobile cigarette lighter jack):

- Hold down the Talk button on the PRYMEBLU Radio Adapter while plugging the adapter into the external power source (cigarette lighter jack).

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- Continue to hold the Talk button on the adapter down for approximately three seconds. Release the Talk button when the status LED on the PRYMEBLU Radio Adapter begins to flash two times per second. The PRYMEBLU Radio Adapter is now in audio accessory pairing mode.
- Hold down the Multifunction Button on the PRYMEBLU Speaker Microphone. Continue to hold the button down for approximately 3 seconds, until you see the LED on the speaker microphone begin to quickly flash RED-BLUE-RED-BLUE in sequence. The PRYMEBLU Speaker Microphone is now in pairing mode.
- After a few seconds, the two devices should synch to one another. Once the PRYMEBLU Speaker Microphone and 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 speaker microphone will then show one FLASH every few seconds.
- If the PRYMEBLU Radio Adapter does not detect the speaker microphone 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 2-way radio using the PRYMEBLU Speaker Mic.

Reconnecting a Previously Speaker Microphone and Radio Adapter

Once the PRYMEBLU Speaker Microphone and Radio Adapter have been successfully paired together, both devices will remember that connection. The adapter and speaker mic will attempt to reestablish their link whenever the radio/adapter and microphone are both powered on and in within range of each other. Re-establishing this connection can take 10-60 seconds.

OPTIONAL EAPRHONES

Although the PRYMEBLU Speaker Microphone has a built-in speaker for listening to received calls, some users may prefer to use a listen only earphone for enhanced privacy. The accessory jack on the speaker microphone will accept any mono earphone with a 3.5 mm audio plug. When an earphone is used, the front-firing speaker is disabled.

PRYME EH-1389SC model shown. Earphone sold separately.



PRYME makes a variety of listen-only earphones in different styles that will work with the BTH-SPM100.

Model	Earphone Style	Cable Length/Type	Connector
EH-389SC	Rubber Ear Hook	15" Coiled	3.5 mm right-angle
EH-389XC	Rubber Ear Hook	25" Coiled	3.5 mm right-angle
EH-1289SC	Plastic D-Ring	15" Coiled	3.5 mm right-angle
EH-1289XC	Plastic D-Ring	25" Coiled	3.5 mm right-angle
EH-1389SC	Acoustic Tube	15" Coiled	3.5 mm right-angle
EH-1389X	Acoustic Tube	30" Straight	3.5 mm right-angle
EH-1399X	Acoustic Tube	30" Straight	3.5 mm straight

SPECIFICATIONS

Bluetooth Version:	v2.1+EDR
Speaker Output:	1 watt
Maximum Audio Level:	126 dB
Receiver Sensitivity:	-82 dBm (typ.)
Power Class:	Bluetooth class 2
Range:	10 meters
Display:	Blue, Red, and Green
Bluetooth Profile:	HFP,HSP,SPP Profile
Operating Voltage:	5 VDC
Battery Capacity:	240 mAH
Operating Time (Standby)	> 50 hours
Operating Time (Typical)	> 11 hours
Operating Time (Continuous Talk)	> 5 hours
Push-to-Talk Function:	Built-in
Operating Temperature:	-70°F to +120°F (approx.)
Weight:	60 grams (approx.)

Using the PRYMEBLU Speaker Microphone

Once your PRYMEBLU Speaker Microphone and PRYMEBLU Adapter have been paired together:

Received signals will be heard over your PRYMEBLU Speaker Microphone’s front-firing speaker or through the optional earphone. The volume of received calls can be adjusted using the volume control on the two-way radio.

When transmitting or on a phone call, the operator’s voice is picked-up by the microphone in the PRYMEBLU Speaker Microphone.

Push-to-Talk can be activated one of several different ways:

- By pressing and holding the PTT button on the PRYMEBLU Speaker Microphone.
- By pressing and holding the Talk button on the PRYMEBLU Adapter.
- Using an optional wired PTT that is plugged into the PRYMEBLU Adapter.
- Using an optional PRYMEBLU Wireless Bluetooth PTT (model BT-PTT, sold separately). Note that if you are using a PRYMEBLU BT-PTT, you will first need to pair the adapter with the PTT using the instructions located in the PRYMEBLU PTT User’s Guide.

STATUS LED MESSAGES

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

LED INDICATION	MEANING
Constant Red (while plugged into charger)	Charge mode
Constant Green (while plugged into charger)	Charging is finished
Flashes red-blue-red-blue repeatedly	Pairing mode
Two blue flashes every two seconds	Adapter is powered on but not paired
One blue flash every two seconds	Adapter is powered and paired
Constant red with one blue flash every two seconds	PTT is pressed
No indication	Device is powered off

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 PRYMEBLU products is an open standard, unsecured technology. As such, it is not recommended for first-responder or other mission critical users.