

BTECH BS-50

BTECH BS-50 Bluetooth Wireless Speaker Mic User Manual

1. PRODUCT OVERVIEW

The BTECH BS-50 is a wireless Bluetooth speaker microphone designed to provide remote control and audio functionality for compatible two-way radios. It features a 1.44-inch color display, six front buttons for comprehensive control, and integrated GPS and electronic compass capabilities. Its IP54 weatherproof rating ensures durability in various outdoor conditions, and it is powered by a USB-C rechargeable 1200mAh Li-Ion battery.



Image: The BTECH BS-50 wireless Bluetooth speaker mic shown alongside compatible handheld radios and a charging case on a wet road, highlighting its rugged design.

Key Features

- **Wireless Bluetooth Connectivity:** Offers full remote control of radio functions without physical connection.
- **1.44-inch Color Display:** Provides clear visual status and access to settings.
- **6 Front Buttons & Programmable Keys:** Allows quick access and customization for common actions like volume, channel, mute, and scan.
- **Built-in GPS + Electronic Compass:** Enhances utility for tracking and navigation.

- **IP54 Weatherproof Durability:** Resistant to rain, splashes, and dust for reliable outdoor use.
- **Up to 10m Wireless Range:** Effective Bluetooth distance in open conditions.
- **1200mAh Li-Ion Battery:** Provides extended operation time.
- **USB-C Charging:** Modern and convenient charging method (5V/1A recommended).

Package Contents

- BS-50 (black) wireless speaker mic
- Belt clip
- User manual (this document)
- USB-C charging cable



Image: The BTECH BS-50 wireless speaker mic, its detachable belt clip, and the included USB-C charging cable.

Compatible Devices

The BTECH BS-50 is primarily designed for BTECH PRO-series radios, including:

- GMRS-50PRO
- GMRS-PRO
- UV-50PRO
- UV-PRO

It also offers full control with VGC N-Series radios (where supported) and audio-only use with select

2. GETTING STARTED

Charging the Device

Before initial use, fully charge your BS-50 speaker mic. Use the provided USB-C charging cable and connect it to a 5V/1A rated USB power adapter (not included) or a standard USB port.

- Connect the USB-C end of the cable to the charging port on the BS-50.
- Connect the USB-A end to a power source.
- The status LED will indicate charging status.



Image: A close-up of the BS-50 speaker mic showing the USB-C charging port with a cable connected.

Pairing with Your Radio

To use the BS-50 wirelessly, it must be paired with a compatible radio via Bluetooth.

1. Ensure both the BS-50 and your radio are powered on and within close proximity.
2. On the BS-50, navigate to the 'Pairing' option in the menu using the navigation buttons.
3. Select 'Pairing' to initiate the pairing mode. The BS-50 will become discoverable.
4. On your compatible radio, enable Bluetooth and search for available devices.
5. Select 'BS-50' from the list of found devices on your radio to complete the pairing process.
6. A confirmation message or indicator will appear on both devices once successfully paired.



Image: A finger pressing the power button on the side of the BS-50, which is also used for initiating pairing.



Image: The BS-50 display showing the main menu with 'GPS Status' and 'Pairing' options highlighted.

Attaching the Belt Clip

The included belt clip can be attached to the rear of the BS-50 for convenient carrying. Align the clip with the designated slot on the back of the device and slide it into place until it clicks securely.

Mounting Versatility

The BS-50's compact design allows for flexible mounting options, such as overhead in a vehicle, for easy access and operation while keeping your radio stowed away.



Image: The compact BTECH BS-50 speaker mic mounted overhead in a vehicle, demonstrating its flexible installation options.

3. OPERATING INSTRUCTIONS

Display and Controls

The BS-50 features a 1.44-inch color display and six front buttons for intuitive control. Additionally, programmable side keys allow for quick access to frequently used functions.

- **Front Buttons:** Used for navigation, selection, and primary radio functions.
- **Programmable Side Keys:** Can be assigned to control volume, channel selection, mute, scan, and other supported features on your connected radio. Refer to your radio's software for customization options.
- **Multi-Color Status LEDs:** Provide at-a-glance indicators for transmit (TX), receive (RX), pairing status, mute, and charging.



Image: The BS-50 showing its LCD display and front control buttons, enabling full remote control of a connected radio.



Image: A side view of the BS-50, highlighting its programmable side keys for customized functions.

GPS and Electronic Compass

The integrated GPS and electronic compass provide location and directional information. Access these features through the BS-50's menu to view your current GPS status and compass readings. This functionality is useful for navigation and location-aware applications in the field.

Wireless Range

The BS-50 maintains a wireless connection with your radio up to 10 meters (approximately 33 feet) in open conditions. Obstacles such as walls, vehicles, or varied terrain can reduce this effective range.



Image: A hand holding the BS-50 speaker mic, illustrating its 10-meter Bluetooth range to a radio in an outdoor campsite setting.

4. CARE AND MAINTENANCE

Weatherproof Durability

The BS-50 is rated IP54 weatherproof, meaning it is protected against dust ingress and splashing water from any direction. While it can withstand rain and splashes, it is not designed for submersion. Ensure the USB-C port cover is securely closed when not charging to maintain its weatherproof integrity.



Image: The BTECH BS-50 Bluetooth speaker mic with water droplets on its surface, demonstrating its IP54 weatherproof rating.

Battery Care

- Avoid fully discharging the battery frequently to prolong its lifespan.
- Charge the device regularly, especially if it will be stored for an extended period.
- Use only the provided USB-C cable or a certified equivalent.

Cleaning

To clean the BS-50, wipe it with a soft, damp cloth. Do not use harsh chemicals, solvents, or abrasive cleaners, as these can damage the device's finish or internal components.

5. TROUBLESHOOTING

If you encounter issues with your BTECH BS-50, please refer to the following common troubleshooting steps:

- **No Power:** Ensure the device is fully charged. Connect it to a power source using the USB-C cable.
- **Cannot Pair:** Verify that Bluetooth is enabled on both the BS-50 and your radio. Ensure both devices are in pairing mode and within range. Try restarting both devices.
- **No Audio/Poor Audio Quality:** Check the volume levels on both the BS-50 and your radio. Ensure the devices are properly paired and within effective wireless range. Confirm that your radio's firmware is up to date and supports the BS-50.
- **Buttons Unresponsive:** Ensure the device is powered on. If specific programmable keys are not working, verify their configuration in your radio's software.
- **GPS/Compass Issues:** Ensure the device has a clear view of the sky for GPS signal acquisition. Calibrate the compass if readings appear inaccurate.

For further assistance, refer to the support resources listed in Section 7.

6. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	BTECH
Model Name	BS-50 Black
Connectivity Technology	Bluetooth, Wireless
Compatible Devices	GMRS-50PRO, GMRS-PRO, UV-50PRO, UV-PRO
Color	Black
Item Weight	1.5 Ounces
Microphone Form Factor	Handheld
Power Source	Battery Powered (1 Lithium Ion battery required)
Battery Capacity	1200mAh

Feature	Specification
Charging Port	USB-C (5V/1A recommended)
Display	1.44-inch Color Display
Special Features	GPS, Electronic Compass, IP54 Weatherproof, Programmable Keys
UPC	850004124697

7. WARRANTY INFORMATION

The BTECH BS-50 comes with a **1-year parts and labor warranty** on purchases made directly from BaoFengTech.com. Please retain your proof of purchase for warranty claims.

8. SUPPORT AND RESOURCES

For additional support, software downloads, and video tutorials, please visit the official BTECH resources:

- **Software Downloads:** <https://baofengtech.com/download>
- **YouTube Tutorials:** <https://www.youtube.com/c/Baofengtechradio>