Manuals+
Q & A | Deep Search | Upload

BTECH BS-50

BTECH BS-50 Bluetooth Wireless Speaker Microphone User Manual

Model: BS-50 | Brand: BTECH

1. Introduction

This manual provides essential information for the proper setup, operation, and maintenance of your BTECH BS-50 Bluetooth Wireless Speaker Microphone. Designed for seamless integration with BTECH PRO-series radios, this device offers wireless control, a clear color display, and robust weatherproofing for various environments.

What's in the Box

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

2. Product Overview

The BTECH BS-50 is a versatile Bluetooth wireless speaker microphone designed to enhance your radio communication experience. It features a 1.44-inch color display and six front buttons for full control, allowing you to operate key functions remotely while your radio remains securely mounted or stowed.

Figure 2.1: BTECH BS-50 Bluetooth Wireless Speaker Microphone in tan.

Key Features

- **Wireless Bluetooth Speaker Mic:** Offers full remote control capabilities.
- **1.44” Color Display + 6 Front Buttons:** Provides fast access and visible status for easy adjustments.
- **Built-in GPS + Electronic Compass:** Adds utility for tracking and navigation in the field.
- **IP54 Weatherproof Durability:** Designed to withstand rain, splash, and dust for outdoor and job site use.
- **Up to 10m Wireless Range:** Effective Bluetooth distance in open conditions.
- **1200mAh Li-ion + USB-C Charging:** Modern USB-C charging for a 3.7V battery.
- **Programmable Keys + Multi-Color Status LEDs:** Customize functions and monitor status at a glance.
- **Compatibility:** Primarily designed for BTECH PRO-series radios (GMRS-PRO/GMRS-50PRO/UV-PRO/UV-50PRO) and also works with select VGC N-Series radios (full control) and Icom/Yaesu models (audio-only).

3. Setup

3.1 Charging the BS-50

The BS-50 is equipped with a 1200mAh Li-ion battery and supports USB-C charging. For optimal charging, use a 5V/1A rated adapter or a standard USB power source.

Figure 3.1: USB-C charging port on the BTECH BS-50.

3.2 Bluetooth Pairing

To pair your BS-50 with a compatible radio or device, ensure Bluetooth is enabled on both devices. The pairing process typically involves accessing the Bluetooth settings on your radio and initiating a search for nearby devices. Select 'BS-50' from the list to establish a connection.

Your browser does not support the video tag.

Video 3.1: Instructional video demonstrating the pairing process for a Bluetooth PTT device with Zello. While this video features a PTT button, the general steps for enabling Bluetooth and pairing with a compatible application are similar for the BS-50 speaker microphone.

4. Operating Instructions

4.1 Display and Controls

The 1.44-inch color display provides clear information on channels, status, GPS data, and more. Use the six

front buttons for navigation and control. Refer to your radio's manual for specific button assignments and functions when connected.

Figure 4.1: The BS-50's display and control buttons for remote operation.

4.2 GPS and Electronic Compass

The integrated GPS and electronic compass provide location and directional data, enhancing utility for outdoor activities and field work. Access these features through the device's menu.

Figure 4.2: BS-50 menu displaying GPS Status and Pairing options.

4.3 Programmable Keys

The BS-50 features programmable side keys and multi-color status LEDs. These can be configured to assign functions such as volume control, channel selection, mute, or scan, depending on the connected radio's capabilities.

Figure 4.3: Programmable side keys on the BS-50 for customized functions.

5. Maintenance

5.1 Cleaning and Care

The BS-50 is IP54 weatherproof, meaning it is protected against dust and splashing water. To clean, wipe the device with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials. Ensure the USB-C port cover is securely closed when not charging to maintain water resistance.

Figure 5.1: The BS-50 demonstrating its IP54 weatherproof capabilities.

5.2 Battery Longevity

To maximize battery life, avoid fully discharging the device frequently. Store the device in a cool, dry place when not in use for extended periods.

6. Troubleshooting

6.1 Common Issues

- **Device not powering on:** Ensure the battery is charged. Connect to a USB-C charger and check for charging indicators.
- **Unable to pair via Bluetooth:** Verify Bluetooth is enabled on both the BS-50 and the host radio. Ensure both devices are within the 10m wireless range. Restart both devices and attempt pairing again.
- **No audio/microphone function:** Check the connection to the host radio. For non-BTECH PRO-series radios, confirm compatibility for audio-only functions. Adjust volume settings on both the BS-50 and the radio.
- **Limited wireless range:** Obstacles such as walls, vehicles, or terrain can reduce the effective Bluetooth range. Try operating in open conditions.

7. Specifications

Feature	Detail
Item Weight	1.5 ounces
Package Dimensions	6.46 x 4.84 x 2.17 inches
ASIN	B0GFXCCQ3R
Item Model Number	BS-50-TAN-Wireless-Speaker-Mi
Batteries	1 Lithium Ion battery required (included)
Date First Available	January 17, 2026
Color Name	Tan
Compatible Devices	GMRS-50PRO, GMRS-PRO, UV-50PRO, UV-PRO
Size	BS-50
Color Screen	Yes
Brand	BTECH
Water Resistance Level	Water Resistant (IP54)
Talking Range Maximum	10 Meter (Bluetooth)

8. Warranty and Support

Your BTECH BS-50 Bluetooth Wireless Speaker Microphone comes with a standard manufacturer's warranty. Please refer to the included warranty card for specific terms and conditions. For additional support, software downloads, and video tutorials, visit the official BTECH website:

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

For further assistance, contact BTECH customer support.

© 2026 BTECH. All rights reserved.