

BINNUNE BW02-BT

BINNUNE Wireless Gaming Headset User Manual

MODEL: BW02-BT

1. Introduction

Thank you for choosing the BINNUNE 2.4GHz Wireless Gaming Headset. This manual provides detailed instructions to help you set up, operate, and maintain your headset for an optimal gaming and audio experience across various platforms including PS5, PS4, PC, Mac, and mobile devices via Bluetooth.



Figure 1: BINNUNE Wireless Gaming Headset (Model BW02-BT) with included accessories.

2. What's in the Box

- BINNUNE Wireless Gaming Headset (BW02-BT)
- 2.4GHz USB Dongle
- 3.5mm Audio Cable
- USB-C Charging Cable
- User Manual

Stay in the Game

Stay Ahead



Figure 2: All components included with your BINNUNE Gaming Headset.

3. Product Overview and Controls

Familiarize yourself with the headset's controls and ports for seamless operation.

Microphone: Dual beamforming microphones with rotatable design for clear communication. Features ENC noise-canceling technology.

USB-C Port: For charging the headset.

3.5mm Audio Jack: For wired connection to compatible devices.

LED Indicator: Displays power status, charging status, and connection mode.

Power Button: Press and hold to power on/off.

Volume Wheel: Adjusts audio volume.

Mute Button: Mutes/unmutes the microphone.



Figure 3: Key controls and ports on the BINNUNE Wireless Gaming Headset.

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Video 1: A quick overview of the BINNUNE Gaming Headset's features and controls.

4. Setup and Connection

4.1 Initial Charging

Before first use, fully charge your headset. Connect the USB-C charging cable to the headset's USB-C port and the other end to a USB power source. The LED indicator will show charging status and turn off when fully charged. A full charge takes approximately 6 hours.

40 Hours of Nonstop Gaming Fully Charged in 6 Hours



Figure 4: The headset offers up to 40 hours of battery life on a single charge.

4.2 2.4GHz Wireless Connection (USB Dongle)

This mode provides ultra-low latency audio ($\leq 38\text{ms}$) for gaming on PS5, PS4, PC, and Mac.

1. Plug the 2.4GHz USB dongle into an available USB port on your PS5/4, PC, or Mac.
2. Power on your BINNUNE headset by pressing and holding the power button.
3. The headset will automatically connect to the dongle. The LED indicator will show a stable light when connected.

Note: The microphone is not available when connected to Nintendo Switch in 2.4GHz mode. Not compatible with XBOX.

Fast & Stable Connection
Win with low latency

MORE RAPID
MORE STABLE **2.4GHz**



Figure 5: The 2.4GHz USB dongle ensures a fast and stable connection.

4.3 Bluetooth Connection

Use Bluetooth mode for mobile phones, tablets, iPads, and other smart devices.

1. Ensure the headset is powered on.
2. On your device, go to Bluetooth settings and enable Bluetooth.
3. Select "BINNUNE BW02-BT" from the list of available devices to pair.
4. The LED indicator will flash during pairing and show a stable light once connected.

Note: Bluetooth mode is not compatible with PS5/4. The microphone is not available when connected to Nintendo Switch in Bluetooth mode.

4.4 Wired Connection (3.5mm Audio Cable)

For devices that do not support wireless connectivity or when battery is low.

1. Connect one end of the 3.5mm audio cable to the headset's 3.5mm audio jack.
2. Connect the other end to the 3.5mm audio port on your gaming device (e.g., PS5/4 controller, PC, phone).

Note: The microphone may not be available on some devices when using the wired connection.



Figure 6: Multiplatform compatibility of the BINNUNE headset across 2.4G, Bluetooth, and Wired modes.

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Video 2: Demonstrating the multi-mode connectivity of BINNUNE Gaming Headsets for PS4/PS5/PC.

5. Operating Instructions

5.1 Power On/Off

Press and hold the Power Button for 3 seconds to turn the headset on or off. The LED indicator will light up or turn off accordingly.

5.2 Volume Control

Rotate the Volume Wheel up (+) to increase volume or down (-) to decrease volume.

5.3 Microphone Usage

The headset features a rotatable microphone. Flip the microphone down to use it. Press the Mute Button to toggle microphone mute on or off. The ENC noise-canceling technology helps ensure clear voice transmission.



Figure 7: The noise-canceling microphone ensures crystal-clear voice calls by reducing background noise.

5.4 Switching Between Modes

The headset supports seamless switching between 2.4GHz and Bluetooth modes. Refer to section 4 for specific connection steps for each mode. The headset prioritizes the 2.4GHz connection when the dongle is active.

6. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the headset. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the headset in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the headset frequently. Charge it regularly, even if not in use for extended periods.

7. Troubleshooting

Problem	Possible Cause	Solution
No sound from headset.	Headset not powered on, low battery, incorrect connection mode, volume too low.	Ensure headset is on and charged. Check connection mode (2.4GHz/Bluetooth/Wired). Increase volume.

Problem	Possible Cause	Solution
Microphone not working.	Microphone muted, incorrect input device selected on computer/console, compatibility issue in certain modes.	Unmute microphone. Check audio settings on your device to ensure BINNUNE headset is selected as input. Note mode limitations (e.g., Switch, some wired connections).
Cannot connect via 2.4GHz dongle.	Dongle not properly inserted, interference, headset too far from dongle.	Ensure dongle is fully inserted. Move closer to the dongle. Try a different USB port.
Cannot connect via Bluetooth.	Headset not in pairing mode, device Bluetooth off, already connected to another device.	Ensure headset is discoverable. Turn Bluetooth on your device. Disconnect from other devices.






8. Specifications

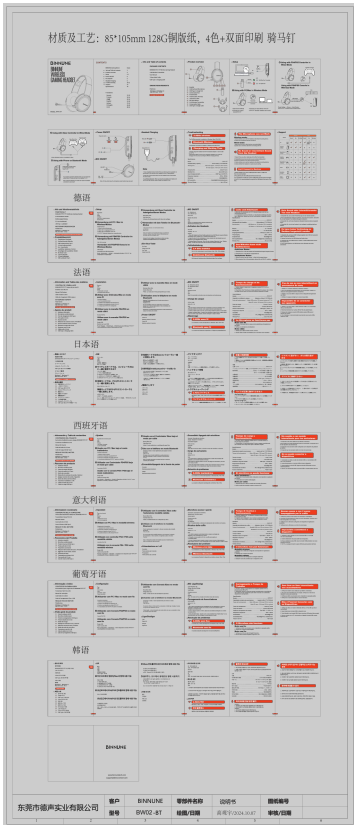
Feature	Detail
Model Name	BW02-BT
Connectivity Technology	Wireless (2.4GHz, Bluetooth 5.3), Wired (3.5mm Jack)
Audio Driver Size	50 mm
Frequency Response	20 Hz - 20,000 Hz
Sensitivity	96 dB
Audio Latency (2.4GHz)	32 Milliseconds (≤38ms advertised)
Battery Life	Up to 40 Hours
Charging Time	6 Hours
Microphone	Dual Beamforming with ENC Noise-Canceling
Material	Plastic (Headset), Leather (Ear Cushions)
Weight	13.4 ounces
Compatible Devices	Gaming Consoles (PS4, PS5), PC, Mac, Telephones, Laptops, Desktops

9. Warranty and Support

BINNUNE products are manufactured with high-quality standards. For any product-related inquiries, technical support, or warranty claims, please refer to the official BINNUNE store or contact their customer service directly.

Visit the [BINNUNE Store on Amazon](#) for more information and support.

	<p>FCC Test Report: Dongguan Desheng Industrial Co., Ltd BW06-BT Wireless Headset</p> <p>Official FCC test report for the Dongguan Desheng Industrial Co., Ltd BW06-BT wireless headset, detailing compliance with FCC CFR 47 Part 15C standards. Includes test results for RF emissions, power, and other specifications.</p>
	<p>BINNUNE BW02 Wireless Gaming Headset User Manual</p> <p>User manual for the BINNUNE BW02 Wireless Gaming Headset, covering setup, product overview, specifications, troubleshooting, and support information for PC, PS4/PS5, and Xbox.</p>
	<p>BINNUNE BW03-BT Wireless Gaming Headset User Manual</p> <p>Comprehensive user manual for the BINNUNE BW03-BT Wireless Gaming Headset, covering setup, features, specifications, and support for PC, PlayStation, Xbox, and mobile devices.</p>
	<p>BINNUNE BW06 Wireless Gaming Headset User Manual</p> <p>Comprehensive user manual for the BINNUNE BW06 wireless gaming headset, covering setup, features, specifications, and support for PS5, PS4, PC, and Mac.</p>
	<p>Binnune BW06-BT Wireless Gaming Headset User Manual</p> <p>User manual for the Binnune BW06-BT wireless gaming headset, covering package contents, system requirements, setup, charging, LED indicators, and specifications. Includes FCC compliance information.</p>
	<p>BINNUNE BW02 Wireless Gaming Headset User Manual</p> <p>User manual for the BINNUNE BW02 Wireless Gaming Headset, covering setup, product overview, specifications, troubleshooting, and support information for PC, PS4/PS5, and Xbox.</p>



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BW02 BT 2021 07 19 PM User manual BINNUNE 2BINNUNE 2 4GHz Wireless Gaming Headset

For PS5 PS4 PC Mac Playstation Bluetooth Headphones Earbuds With Mic

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4GBINNUNE 4G for NS USB Gamer with Noise Canceling Work EarponesBINNUNE

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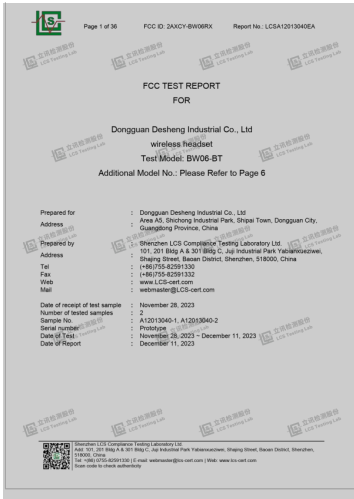
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FCC Test Report for Dongguan Desheng Industrial Co., Ltd. Emitter (Dongle) Model BW06-BT

This FCC test report details the compliance of the Dongguan Desheng Industrial Co., Ltd. Emitter (Dongle) Model BW06-BT with FCC Part 15 Subpart C regulations. The report includes test methodology, results for radiated emissions, band edge testing, and 20 dB bandwidth measurement.

lang:en score:11 filesize: 1.86 M page_count: 35 document date: 2023-12-12



FCC Test Report: Dongguan Desheng Industrial Co., Ltd BW06-BT Wireless Headset

Official FCC test report for the Dongguan Desheng Industrial Co., Ltd BW06-BT

wireless headset, detailing compliance with FCC CFR 47 Part 15C standards.

Includes test results for RF emissions, power, and other specifications.

lang:en score:9 filesize: 1.25 M page_count: 36 document date: 2023-12-11