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BINNUNE BW01

BINNUNE BW01 Wireless Gaming Headset User Manual

Model: BW01 | Brand: BINNUNE

1. INTRODUCTION

The BINNUNE BW01 Wireless Gaming Headset is designed to provide an immersive audio experience across multiple gaming platforms. Featuring 2.4GHz wireless connectivity for low-latency gaming, Bluetooth 5.3 for mobile devices, and a 3.5mm wired option, this headset offers versatile connectivity. It includes a noise-canceling microphone and 50mm dynamic drivers for clear communication and rich sound. The headset is built for comfort during extended use with soft earcups and an adjustable headband.

2. WHAT'S IN THE BOX

- BINNUNE BW01 Wireless Gaming Headset
- 2.4GHz USB Wireless Dongle
- USB-C Charging Cable
- 3.5mm Audio Cable
- User Manual

3. SETUP AND CONNECTION

3.1 Charging the Headset

Before first use, fully charge the headset using the provided USB-C charging cable. Connect the USB-C end to the headset's charging port and the USB-A end to a compatible power source (e.g., computer USB port, USB wall adapter). A full charge provides up to 120 hours of playtime in 2.4 GHz mode.

120 HOURS PLAY TIME



Type-C for Charge



2.5 Hours Charge



120 Hours Battery life



Image: Headset charging via USB-C, indicating 120 hours play time and 2.5 hours charge time.

3.2 2.4GHz Wireless Connection (for Xbox Series X/S, Xbox One, PS5, PS4, PC)

1. Insert the 2.4GHz USB wireless dongle into an available USB port on your Xbox console, PlayStation console, or PC.
2. For Xbox consoles, ensure the dongle is securely connected to the Xbox controller's 3.5mm jack for proper functionality.
3. Power on the headset by pressing and holding the Power button.
4. The headset will automatically pair with the dongle. A solid blue light on the dongle indicates a successful connection.



Image: Diagram illustrating the correct and incorrect way to connect the Xbox adapter to the controller for stable wireless performance.

2.4GHZ WIRELESS CONNECTIVITY & LOW LATENCY

2.4G

< 15ms Latency
Stable Wireless Range Up to 49 ft

Image: The 2.4GHz wireless dongle connected to an Xbox controller, demonstrating low-latency wireless connectivity.

3.3 Bluetooth 5.3 Connection (for PC, Mac, Mobile)

1. Ensure the headset is powered on.

2. Press and hold the Power/Bluetooth button until the indicator light flashes, indicating pairing mode.
3. On your device (PC, Mac, or mobile), go to Bluetooth settings and select "BINNUNE BW01" to pair.
4. Note: Bluetooth cannot connect to PS5 or Xbox devices.

3.4 3.5mm Wired Connection (for all compatible devices)

Connect the provided 3.5mm audio cable to the headset's 3.5mm audio interface and the other end to your device's audio jack. This mode works without battery power.

4. OPERATING INSTRUCTIONS

4.1 Headset Controls

The headset features intuitive controls located on the earcup:

- **Mic Mute Button:** Press to mute/unmute the microphone.
- **Volume + / - Buttons:** Adjust the audio volume.
- **Power Button / Bluetooth Button:** Press and hold to power on/off. Short press to switch between 2.4GHz and Bluetooth modes (if applicable). Long press to enter Bluetooth pairing mode.
- **3.5mm Audio Interface:** For wired connection.
- **Charging Port:** USB-C port for charging.



Image: Diagram showing the location and function of headset controls: Mic Mute, Volume Up/Down, Power/Bluetooth, 3.5mm Audio, and Charging Port.

4.2 Microphone Usage

The headset features a flip-to-mute noise-canceling boom mic. Simply flip the microphone arm up to mute and down to activate for clear communication with teammates. The noise-canceling technology reduces background noise by up to 96%.



Image: Illustration of the AI noise-canceling microphone, showing how it reduces background noise for clearer voice

transmission.

4.3 Adjusting Fit

The headset features an adjustable headband and soft, breathable ear muffs made from premium memory foam. Adjust the headband to fit comfortably over your head. The earcups are designed for long-lasting comfort during extended gaming sessions.



Image: Close-up of the breathable ear muffs made from premium memory foam, designed for comfort.

5. COMPATIBILITY

The BINNUNE BW01 headset offers broad compatibility across various platforms and connection modes:



Image: Compatibility table detailing supported devices (Xbox Series, PS4/PS5, Switch, PC, Pad/Phone, Laptop) and features (Voices, Mic) across 2.4G Wireless, Bluetooth 5.3, and 3.5mm Wired modes.

- **2.4GHz Wireless Mode:** Compatible with Xbox Series X/S, Xbox One, PS5, PS4, Switch (docked), PC. Provides low-latency audio and microphone functionality.
- **Bluetooth 5.3 Mode:** Compatible with PC, Mac, and mobile devices. Supports audio and microphone. *Note: Bluetooth cannot connect to PS5 or Xbox devices.*
- **3.5mm Wired Mode:** Compatible with Xbox Series X/S, Xbox One, PS5, PS4, Switch, PC, Mac, and mobile devices. Supports audio and microphone (adapter cable may be required for some PC setups).

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your headset.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the headset. For earcups, gently wipe with a slightly damp cloth and allow to air dry completely before use. Do not use harsh chemicals or abrasive materials.
- **Storage:** Store the headset in a cool, dry place away from direct sunlight and extreme temperatures. Avoid placing heavy objects on the headset.
- **Cable Care:** Handle cables gently. Avoid sharp bends or excessive pulling to prevent damage.

7. TROUBLESHOOTING

7.1 No Sound or Low Volume

- Check the headset's volume controls and ensure they are not at minimum.
- Verify the volume settings on your connected device (console, PC, mobile).
- Ensure the 2.4GHz dongle is securely connected to the device/controller and the headset is paired.
- If using Bluetooth, confirm the headset is paired and selected as the audio output device.
- If using the 3.5mm cable, ensure it is fully inserted into both the headset and the device.

7.2 Microphone Not Working

- Ensure the microphone is flipped down and not muted (check the mic mute button).
- Verify microphone input settings on your connected device.
- For Xbox, ensure the 2.4GHz dongle is correctly connected to the controller's 3.5mm jack.
- Test the microphone with another application or device to isolate the issue.

7.3 Connection Issues

- **2.4GHz:** Disconnect and reconnect the USB dongle. Power cycle the headset. Ensure no other wireless devices are causing interference.
- **Bluetooth:** Forget the device in your device's Bluetooth settings and re-pair. Ensure the headset is in pairing mode.

7.4 Headset Not Charging

- Ensure the USB-C cable is properly connected to both the headset and the power source.
- Try a different USB-C cable or power adapter.
- Confirm the power source is active.

8. SPECIFICATIONS

Model Name	BW01
Connectivity Technology	Wireless (2.4GHz, Bluetooth 5.3), Wired (3.5mm Jack)
Wireless Communication Technology	Wireless
Bluetooth Version	5.3
Audio Driver Type	Dynamic Driver

Audio Driver Size	50 Millimeters
Noise Control	Passive Noise Cancellation
Special Feature	Lightweight, Microphone Included
Battery Life	120 Hours (2.4 GHz mode)
Earpiece Shape	Over-Ear
Material	Plastic
Product Dimensions	8.26 x 7.48 x 4.3 inches
Item Weight	1.06 pounds

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official BINNUNE website or contact their customer service directly. Keep your purchase receipt for warranty claims.