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› WESEARY WG3 Wireless Gaming Headset User Manual

WESEARY WG3

WESEARY WG3 Wireless Gaming Headset User Manual

Model: WG3 | Brand: WESEARY

1. INTRODUCTION

This manual provides comprehensive instructions for the WESEARY WG3 Wireless Gaming Headset. Please read this manual carefully before using the product to ensure proper operation and to maximize your gaming and audio experience.

2. PRODUCT OVERVIEW

The WESEARY WG3 is a versatile wireless gaming headset designed for multi-platform compatibility, offering superior audio quality and clear communication.

2.1 Key Features

- **Immersive Audio:** Equipped with 50mm titanium-plated drivers for deep bass and clear highs, providing 3D stereo surround sound.
- **Dual EQ Modes:** Switch between Game Mode (ultra-low latency 2.4G wireless) and Music Mode (rich, detailed audio).
- **Multi-Platform Compatibility:** Supports PS5, PS4, PC, Mac (2.4GHz dongle mode) and mobile devices, tablets, iPads (Bluetooth mode). *Note: Not compatible with Xbox. Microphone not available when connected to Nintendo Switch.*
- **Crystal Clear Communication:** Features dual beamforming microphones and an adjustable microphone with ENC (Environmental Noise Cancellation) technology for clear voice capture.
- **Extended Battery Life:** 1200mAh battery provides up to 50 hours of playtime without RGB lighting, or 30-35 hours with RGB lighting. Charges in 2.5 hours.
- **Ergonomic Design:** Adjustable headband, soft and breathable ear cushions, and a foldable design for comfort and portability.

2.2 Package Contents

- 1 x WESEARY WG3 Wireless Gaming Headset
- 1 x USB Dongle (2.4GHz)
- 1 x USB Type-C Charging Cable
- 1 x User Manual

2.3 Product Diagram



Figure 1: WESEARY WG3 Wireless Gaming Headset and included 2.4G USB dongle.

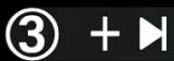
Versatile and User – Friendly



Turn on / off --- Long press 3 s
Play / Pause --- Single click
Answer Call --- Single click
Hang up Call --- Single click
Reject Call --- Long press 2 s
Call Back --- Double click



Volume down --- Single click
Previous track --- Long press 2 s



Volume up --- Single click
Next track --- Long press 2 s
Clear all devices---Press volume up/
down together 6s



Mic on / off --- Single click
Bluetooth ↔ 2.4G --- Long press 2s



Turn on/off the LED--- Single Click
Game mode/Music mode---Double click
Re-pairing (BT mode)---Long press 3s

Type-C charging port



Figure 2: Detailed view of headset controls and ports. (1) Power/Play/Pause/Call Button, (2) Volume Down/Previous Track, (3) Volume Up/Next Track, (4) Microphone On/Off/Mode Switch, (5) RGB Light/EQ Mode/Re-pairing Button, (6) Type-C Charging Port.

3. SETUP AND CONNECTIVITY

3.1 Charging the Headset

Before first use, fully charge the headset. Connect the supplied USB Type-C charging cable to the headset's charging port and the other end to a USB power source (e.g., computer USB port, USB wall adapter). The LED indicator will show charging status. A full charge takes approximately 2.5 hours.

5

LONGER PLAYTIME

One Charge Powers A Week

Battery Capacity 1200mAh

Type-C Full Charge 2.5 Hrs

Extended Game Time 50Hrs

Dynamic Light ON Time 40Hrs

Figure 3: Information on battery capacity (1200mAh), full charge time (2.5 hours), and extended game time (up to 50 hours without RGB).

3.2 Connecting via 2.4GHz Wireless (Dongle Mode)

This mode offers ultra-low latency connectivity for gaming on compatible devices.

1. Insert the 2.4GHz USB dongle into an available USB port on your PS5, PS4, PC, or Mac.
2. Power on the headset by long-pressing the Power button (1) for 3 seconds.
3. The headset will automatically connect to the dongle. The LED indicator on the dongle will turn solid blue when connected.
4. On your device, ensure the WESEARY WG3 headset is selected as the audio output and input device.

Swift Connectivity & Stability



⚠ Not Compatible with Xbox all Series

DEVICE	For PC/Mac/Laptop	For PS4/PS5	For Switch	For Mobile/Tablet
Dongle Mode	✓	✓	✓	✗
Bluetooth Mode	✓	✗	invalid mic	✓

Figure 4: Compatibility overview showing Dongle Mode support for PC/Mac/Laptop, PS4/PS5, and Switch. Bluetooth Mode supports PC/Mac/Laptop and Mobile/Tablet.

3.3 Connecting via Bluetooth Mode

This mode is suitable for mobile devices, tablets, and iPads.

1. Ensure the headset is powered on.
2. Long-press the Microphone On/Off/Mode Switch button (4) for 2 seconds to switch to Bluetooth mode. The headset will enter pairing mode, indicated by a flashing LED.
3. On your mobile device, enable Bluetooth and search for "WESEARY WG3".
4. Select the headset to pair. Once connected, the LED will stop flashing.
5. To re-pair in Bluetooth mode, long-press the RGB Light/EQ Mode/Re-pairing Button (5) for 3 seconds.

Note: Bluetooth mode is not compatible with PS4 or PS5. The microphone is not available when connected to Nintendo Switch via any mode.

4. OPERATING INSTRUCTIONS

4.1 Basic Controls

Button/Action	Function
Power Button (1) - Long press 3s	Turn on / off
Power Button (1) - Single click	Play / Pause, Answer Call
Power Button (1) - Long press 2s	Reject Call
Power Button (1) - Double click	Call Back
Volume Down Button (2) - Single click	Volume down
Volume Down Button (2) - Long press 2s	Previous track
Volume Up Button (3) - Single click	Volume up
Volume Up Button (3) - Long press 2s	Next track
Volume Up (3) + Volume Down (2) - Press together 6s	Clear all devices
Mic Button (4) - Single click	Mic on / off
Mic Button (4) - Long press 2s	Switch between 2.4G and Bluetooth modes
RGB/EQ Button (5) - Single click	Turn on / off the LED (RGB lighting)
RGB/EQ Button (5) - Double click	Switch between Game mode / Music mode (EQ)
RGB/EQ Button (5) - Long press 3s	Re-pairing (BT mode)

4.2 Audio Modes (EQ)

The headset features two distinct audio equalization (EQ) modes:

- **Game Mode:** Optimized for gaming, providing enhanced spatial awareness for footsteps and in-game sounds. This mode utilizes the ultra-low latency 2.4G connection.
- **Music Mode:** Delivers a rich and detailed audio experience, ideal for listening to music and other media.

To switch between Game Mode and Music Mode, double-click the RGB/EQ Button (5).

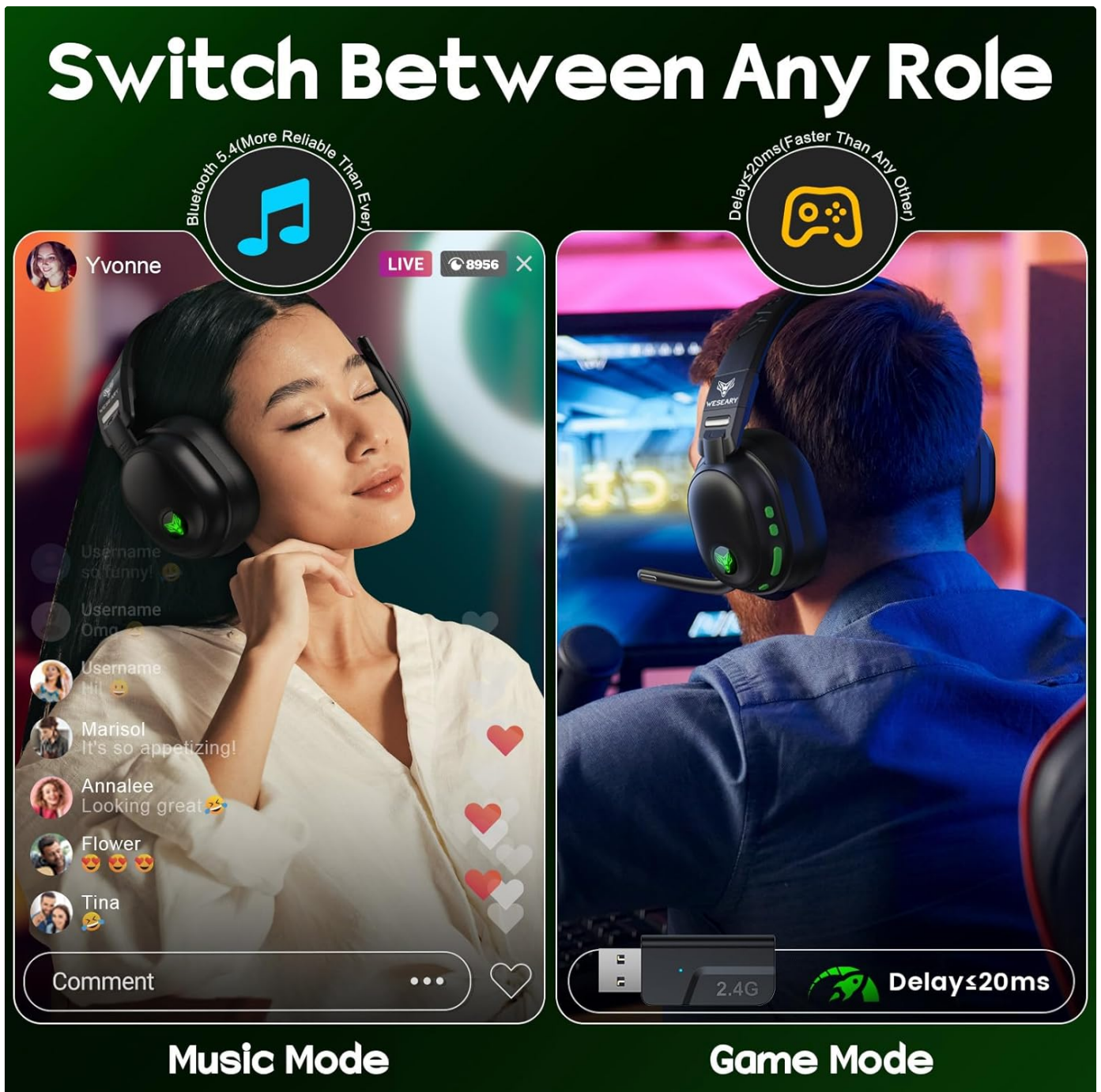


Figure 5: Visual representation of switching between Music Mode (Bluetooth) and Game Mode (2.4G wireless) for different user experiences.

4.3 Microphone Usage

The WG3 headset features dual beamforming microphones and an adjustable boom microphone with ENC (Environmental Noise Cancellation) for clear voice transmission.

- To mute or unmute the microphone, single-click the Mic Button (4).
- Adjust the flexible boom microphone for optimal voice pickup.
- The ENC technology helps suppress up to 95% of background noise, ensuring your teammates hear you clearly.

Crystal Clear Voice Call

The built-in Mic accurately captures your voice while effectively suppressing **95%** of background noise from the back and sides.

Noise Reduction

80db

70db

40db

20db

BEFORE

AFTER

330 0 30

300 60

270 90

240 120

210 150

180

■ WeSeary HyperClear Supercardioid Mic

■ Average Gaming Mic

Figure 6: Illustration of the headset's microphone clarity and noise reduction capabilities, showing a reduction from 70dB to 20dB.

5. MAINTENANCE AND CARE

- **Cleaning:** Use a soft, dry cloth to clean the headset. Do not use abrasive cleaners or solvents. For ear cushions, gently wipe with a damp cloth and allow to air dry completely before use.
- **Storage:** When not in use, store the headset in a cool, dry place, away from direct sunlight and extreme temperatures. The foldable design allows for compact storage.
- **Battery Care:** To prolong battery life, avoid fully discharging the headset frequently. Charge the headset regularly, even if not in active use.
- **Avoid Moisture:** The headset is not waterproof. Avoid exposure to water or excessive moisture.

Premium Protein Hybrid Ear Cushions

Indulge in top-tier comfort and luxury.



Figure 7: Close-up of the headset's comfortable ear cushions, highlighting breathable memory foam, ergonomic design, foldable feature, and adjustable slider.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from headset	Headset not powered on; Not connected; Volume too low; Incorrect audio output selected on device.	Ensure headset is on and charged. Verify 2.4GHz dongle or Bluetooth connection. Increase headset and device volume. Select "WESEARY WG3" as audio output in device settings.

Problem	Possible Cause	Solution
Microphone not working	Microphone muted; Incorrect audio input selected; Compatibility issue (e.g., Switch).	Single-click Mic Button (4) to unmute. Select "WESEARY WG3" as audio input in device settings. Note that the microphone is not available when connected to Nintendo Switch.
Connectivity issues (intermittent connection, no connection)	Out of range; Interference; Pairing issue.	Ensure headset is within range of the dongle/device. Move away from other wireless devices. For 2.4GHz, try a different USB port. For Bluetooth, try re-pairing (long press RGB/EQ Button (5) for 3s). Clear all paired devices (Volume Up (3) + Volume Down (2) together for 6s) and re-pair.
Short battery life	RGB lighting enabled; Battery degradation.	Turn off RGB lighting (single click RGB/EQ Button (5)) for extended battery life. Ensure full charge before use.

7. SPECIFICATIONS

Feature	Detail
Model Name	WG3
Brand	WESEARY
Connectivity Technology	Wireless (2.4GHz USB Dongle, Bluetooth)
Wireless Communication Technology	Bluetooth
Compatible Devices	PS5, PS4, PC, Mac, Laptop, Switch (microphone not valid), Mobile, Tablet. Not compatible with Xbox All Series.
Ear Placement	Over-Ear (Circum-Aural)
Special Features	Noise Isolation, With Microphone, Foldable, Wireless
Microphone Technology	Stereo (Dual Beamforming with ENC)
Frequency Range	20 Hz - 20,000 Hz
Battery Capacity	1200 mAh (Lithium-ion)
Charging Time	Approx. 2.5 hours
Playtime (without RGB)	Up to 50 hours
Playtime (with RGB)	Up to 30-35 hours
Water Resistance Level	Not waterproof
Color	Black

8. WARRANTY AND SUPPORT

The WESEARY WG3 Wireless Gaming Headset comes with a **12-month warranty** from the date of purchase.

In case of any quality issues or if you require technical assistance, please contact the seller or WESEARY customer support. Please have your purchase details and product model number (WG3) ready when contacting support.

For the most up-to-date support information, please refer to the official WESEARY website or the platform where you purchased the product.