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> [AOC ACG 2502 Wireless Gaming Headset Instruction Manual](#)

## AOC ACG 2502

# AOC ACG 2502 Wireless Gaming Headset Instruction Manual

MODEL: ACG 2502

## Introduction

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The AOC ACG 2502 Wireless Gaming Headset is designed to provide a versatile and immersive audio experience across various gaming platforms and devices. Featuring dual-mode wireless connectivity (2.4 GHz and Bluetooth 5.4), high-resolution 7.1 virtual surround sound, and a triple-stage noise-canceling microphone, this headset ensures clear communication and precise audio cues. Its lightweight, ergonomic design and long-lasting battery life support extended gaming sessions comfortably.

## Package Contents

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Ensure all items are present in the package:

- 1 x ACG2502 Gaming Headset
- 1 x Type-C Charging Cable
- 1 x USB Transmitter
- 1 x Type-C to 3.5mm Audio Cable
- 1 x User Manual

## Product Overview

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Familiarize yourself with the headset's components and controls:

# AOC

Born for Battle  
Engineered by AOC.

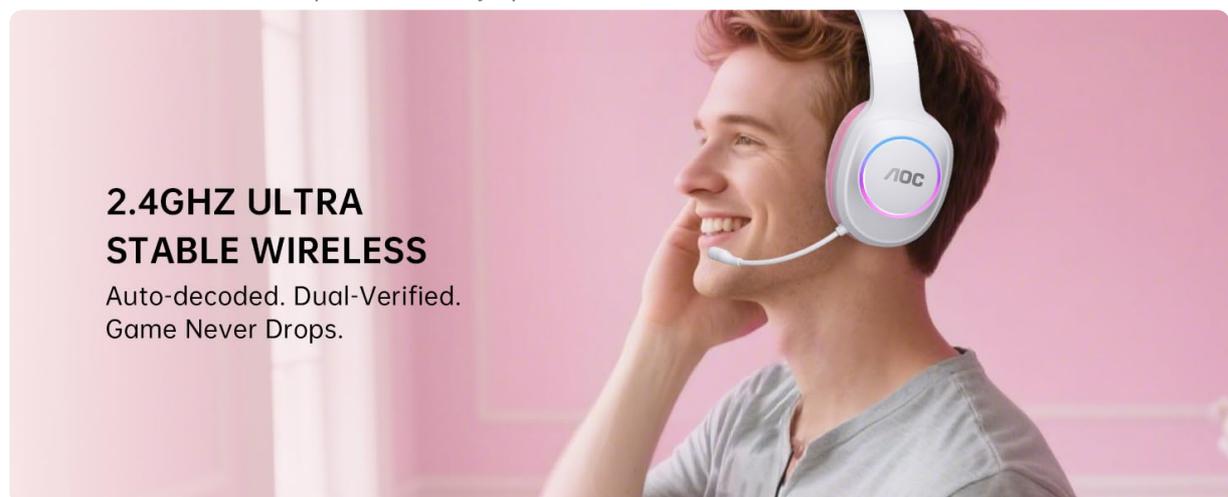


Figure 1: Headset with controls on the left earcup.

- **Power Button:** Press and hold for 3 seconds to power on/off. Single click to play/pause in Bluetooth mode. Double-click to answer/end a call.
- **Volume Buttons (+/-):** Click to adjust volume. Press and hold to continuously increase/decrease volume.
- **Microphone Mute Button:** Click to toggle microphone mute on/off. Double-click to toggle ambient RGB lighting on/off.
- **Adjustable Microphone:** The boom microphone can be adjusted for optimal voice pickup and can be moved out of the way when not in use.
- **RGB Lighting:** The headset features customizable RGB lighting on the earcups.
- **Padded Headband and Earcups:** Designed for comfort during extended use.

## Setup and Connectivity

The ACG 2502 offers multiple connectivity options:



### 2.4GHZ ULTRA STABLE WIRELESS

Auto-decoded. Dual-Verified.  
Game Never Drops.

Figure 2: Connectivity options for PC, consoles, and mobile devices.

### 2.4 GHz Wireless Connection (USB Transmitter)

1. Plug the USB transmitter into an available USB-A or USB-C port on your PC, PS5, PS4, or Nintendo Switch.
2. Power on the headset by pressing and holding the Power Button for 3 seconds.
3. The headset will automatically connect to the transmitter. The indicator light on the headset will turn solid white, and the transmitter's blue light will stay on.

4. **Note:** The microphone is disabled when using the USB transmitter with PS4/PS5.

## Bluetooth 5.4 Connection

1. Power on the headset.
2. Press and hold the Power Button for 5 seconds to enter Bluetooth pairing mode. The indicator light will blink blue.
3. On your mobile device or PC, open Bluetooth settings and search for "AOC ACG2502".
4. Select the headset to pair. Once connected, the indicator light will turn solid blue.
5. **Note:** Bluetooth modes are incompatible with PS5 and PS4.

## 3.5mm Wired Connection

1. Connect one end of the included Type-C to 3.5mm Audio Cable to the headset's Type-C port.
2. Connect the other end of the 3.5mm audio cable to the 3.5mm audio jack on your device (e.g., Xbox Series X/S controller, mobile device).
3. **Note:** Only the 3.5mm wired mode is compatible with Xbox Series X/S. Other Xbox models are not supported.

## Operating Instructions

### Power On/Off

- To power on, press and hold the Power Button for 3 seconds until the indicator light illuminates.
- To power off, press and hold the Power Button for 3 seconds until the indicator light turns off.

### Volume Control

- Click the Volume '+' button to increase volume. Press and hold to continuously raise volume.
- Click the Volume '-' button to decrease volume. Press and hold to continuously lower volume.

### Microphone Mute

- Click the Mute Button to toggle microphone mute on/off.

### RGB Lighting Control

- Double-click the Mute Button to toggle the ambient RGB lighting on/off.

### Charging



Figure 3: Headset charging via USB-C.

- Connect the Type-C charging cable to the charging port on the headset and the other end to a USB power source.
- The charging indicator light will be red while charging and blue when fully charged.
- A full charge takes approximately 2.5 hours.
- The headset provides up to 45 hours of gameplay on a single charge.
- You can continue gaming while the headset is charging.

## Maintenance and Care

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- Clean the headset regularly with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- Store the headset in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not expose the headset to water or excessive moisture.
- Avoid dropping or subjecting the headset to strong impacts.

## Troubleshooting

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If you encounter issues with your headset, refer to the following common solutions:

- **No Sound:**
  - Check volume levels on both the headset and your connected device.
  - Ensure the headset is properly connected via 2.4 GHz, Bluetooth, or 3.5mm cable.
  - Verify the correct audio output device is selected in your device's sound settings.
- **Pairing Issues:**
  - Ensure the headset is in pairing mode (blinking blue light for Bluetooth, solid white for 2.4 GHz).
  - Move the headset closer to the device.
  - Clear previous Bluetooth pairings on your device and try again.
  - Restart both the headset and the connecting device.
- **Microphone Not Working:**
  - Check if the microphone is muted (via the headset button or device settings).
  - Ensure the microphone is properly positioned.
  - Verify the correct input device is selected in your device's sound settings.
  - Remember that the microphone is disabled when using the USB transmitter with PS4/PS5.
- **Short Battery Life:**
  - Ensure the headset is fully charged (approximately 2.5 hours).
  - Reduce volume or turn off RGB lighting to conserve battery.

## Specifications

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Feature	Specification
Model Name	ACG 2502
Connectivity Technology	2.4GHz, Bluetooth 5.4, Wired (3.5mm)

Feature	Specification
Audio Latency	20 Milliseconds
Audio Driver Size	50 Millimeters
Speaker Impedance	32 Ohms
Frequency Response	20000 Hz
Sensitivity	90 dB
Noise Control	Passive Noise Cancellation
Microphone Type	All-round
Microphone Sensitivity	-42±3dB
Battery Life	45 Hours
Charging Time	2.5 Hours
Bluetooth Range	33 Feet (10 meters)
Item Weight	15.8 ounces (239g)
Material	Acrylonitrile Butadiene Styrene (ABS), Polyurethane (PU)
Special Features	Detachable Cable, Lightweight, Volume Control, RGB Backlight

## Warranty and Support

The AOC ACG 2502 Wireless Gaming Headset comes with a 1-year free replacement or repair warranty. For any inquiries or assistance, please contact AOC customer support, available 24/7. Additionally, a 60-day hassle-free return policy is offered for your peace of mind.