

## AVerMedia GC553G2

# AVerMedia Live Gamer Ultra 2.1 (GC553G2) Instruction Manual

Model: GC553G2 | Brand: AVerMedia

## INTRODUCTION

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This manual provides comprehensive instructions for setting up, operating, and maintaining your AVerMedia Live Gamer Ultra 2.1 (GC553G2) capture card. Designed for seamless game capture and streaming, this device offers high-quality video passthrough and recording capabilities. Please read this manual thoroughly to ensure optimal performance and longevity of your device.



Image: The AVerMedia Live Gamer Ultra 2.1 (GC553G2) capture card, a compact black device with a colorful RGB light strip on the front, designed for external video capture.

## What's in the Box

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Verify that all items are present in the package:

- LIVE GAMER ULTRA 2.1 (GC553G2)
- HDMI 2.1 Cable
- USB 3.2 Gen 2 Type-C Cable
- 4-Pole 3.5mm Audio Cable
- Quick Start Guide



Image: The back of the product box, detailing the included accessories: the capture card, HDMI 2.1 cable, USB 3.2 Gen 2 Type-C cable, 4-pole 3.5mm audio cable, and a quick start guide.

## SETUP GUIDE

Follow these steps to set up your AVerMedia Live Gamer Ultra 2.1 (GC553G2) for optimal performance:

- 1. Connect the Capture Card:** Connect your gaming console (PS5, Xbox, Nintendo Switch) or PC to the HDMI IN port on the GC553G2 using the provided HDMI 2.1 cable.
- 2. Connect to Display:** Connect your display (monitor or TV) to the HDMI OUT port on the GC553G2 using another HDMI 2.1 cable (not included, unless specified).
- 3. Connect to Computer:** Connect the GC553G2 to your PC or Mac using the provided USB 3.2 Gen 2 Type-C cable. This connection powers the device and enables data transfer for capture and streaming.
- 4. Audio Connection (Optional):** For live party chat support, connect your gaming headset directly to the 4-Pole 3.5mm Audio Jack on the GC553G2 using the provided 4-pole 3.5mm audio cable. This allows for integrated game and chat volume management.
- 5. Software Installation:** Download and install the necessary AVerMedia software (e.g., Gaming Utility, RECentral) from the official AVerMedia website. This software is required for configuring settings, capturing, and streaming.

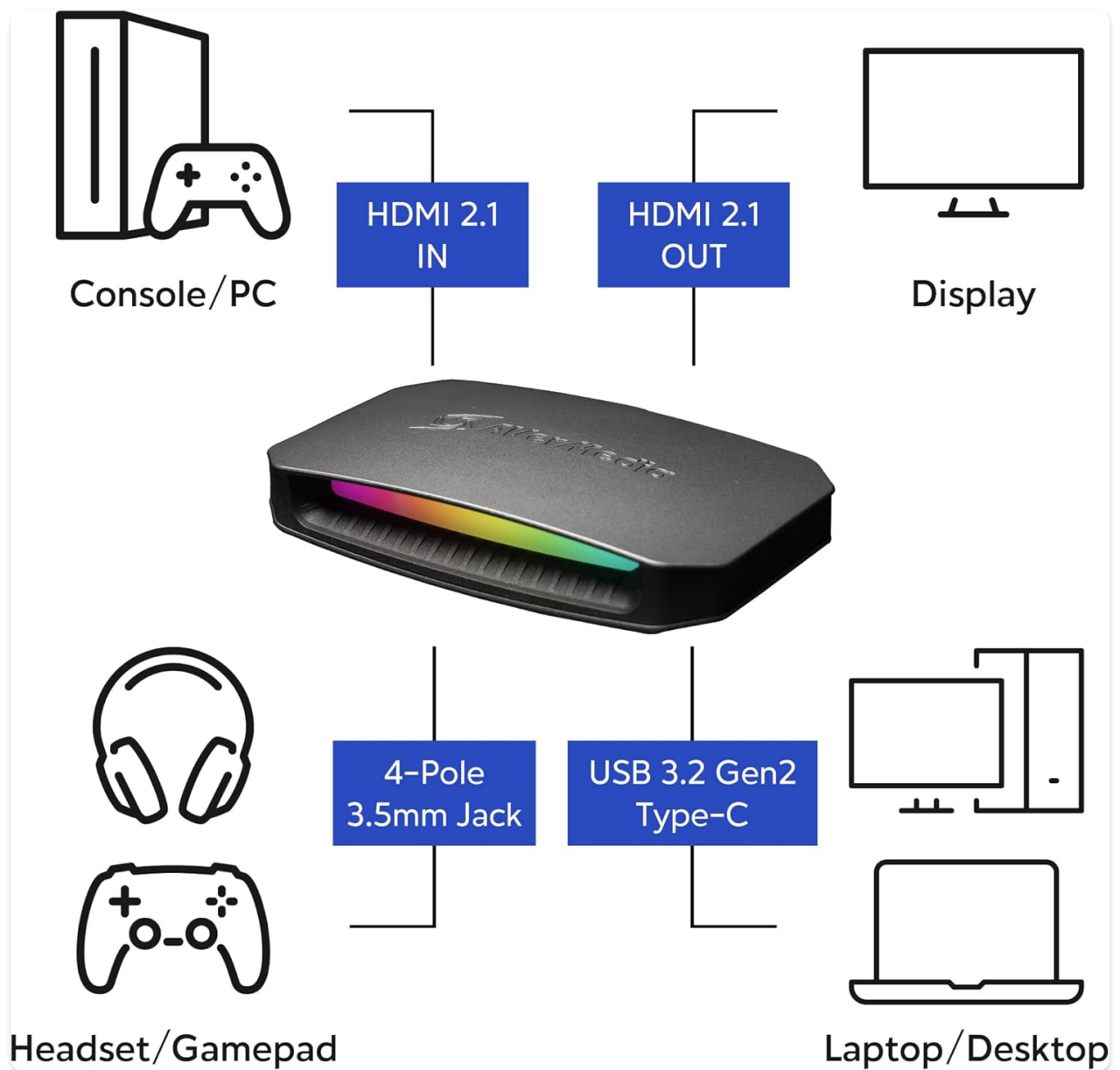


Image: A diagram illustrating the connection flow for the AVerMedia Live Gamer Ultra 2.1. It shows a console/PC connecting to HDMI IN, HDMI OUT connecting to a display, a headset/gamepad connecting to the 4-Pole 3.5mm Jack, and a laptop/desktop connecting via USB 3.2 Gen2 Type-C.



## Effortless Plug & Play

No complicated setup required! Just connect the GC553G2 capture card to your PC for seamless streaming. HDMI 2.1 cable included in the box for added convenience.

Image: A close-up view of the AVerMedia GC553G2 capture card on a desk, emphasizing its "Effortless Plug & Play" nature. The image highlights the simplicity of connecting the device to a PC for streaming, with the HDMI 2.1 cable included for convenience.

## OPERATING INSTRUCTIONS

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### Key Features and Functionality

- **4K60 Capture:** Seamlessly capture and stream gameplay from PS5, PS5 Pro, Xbox, and Nintendo Switch in stunning 4K60 resolution. Compatible with popular streaming platforms like Twitch, YouTube, OBS Studio, and Streamlabs.
- **4K144 HDR/VRR Pass-Through:** Experience smooth gameplay with 4K144 HDR/VRR pass-through, ensuring high-quality visuals for streaming, recording, and gaming on PS5/Pro, Xbox Series X/S, PC, and Mac.
- **Low Latency:** Enjoy real-time gameplay streaming and recording with minimal delay, ensuring synced audio and video for an immersive experience.
- **Live Party Chat Support:** Connect your gaming headset directly to the GC553G2 to manage game and



chat volume during streaming or recording, eliminating the need for extra party chat cables. Supports 5.1 channel audio capture.

- **Customizable RGB Lighting:** Personalize your setup with customizable RGB lighting. Control options include Windows 11 Dynamic Lighting, AVerMedia Tool, or MSI Software.

## Software Usage (General)

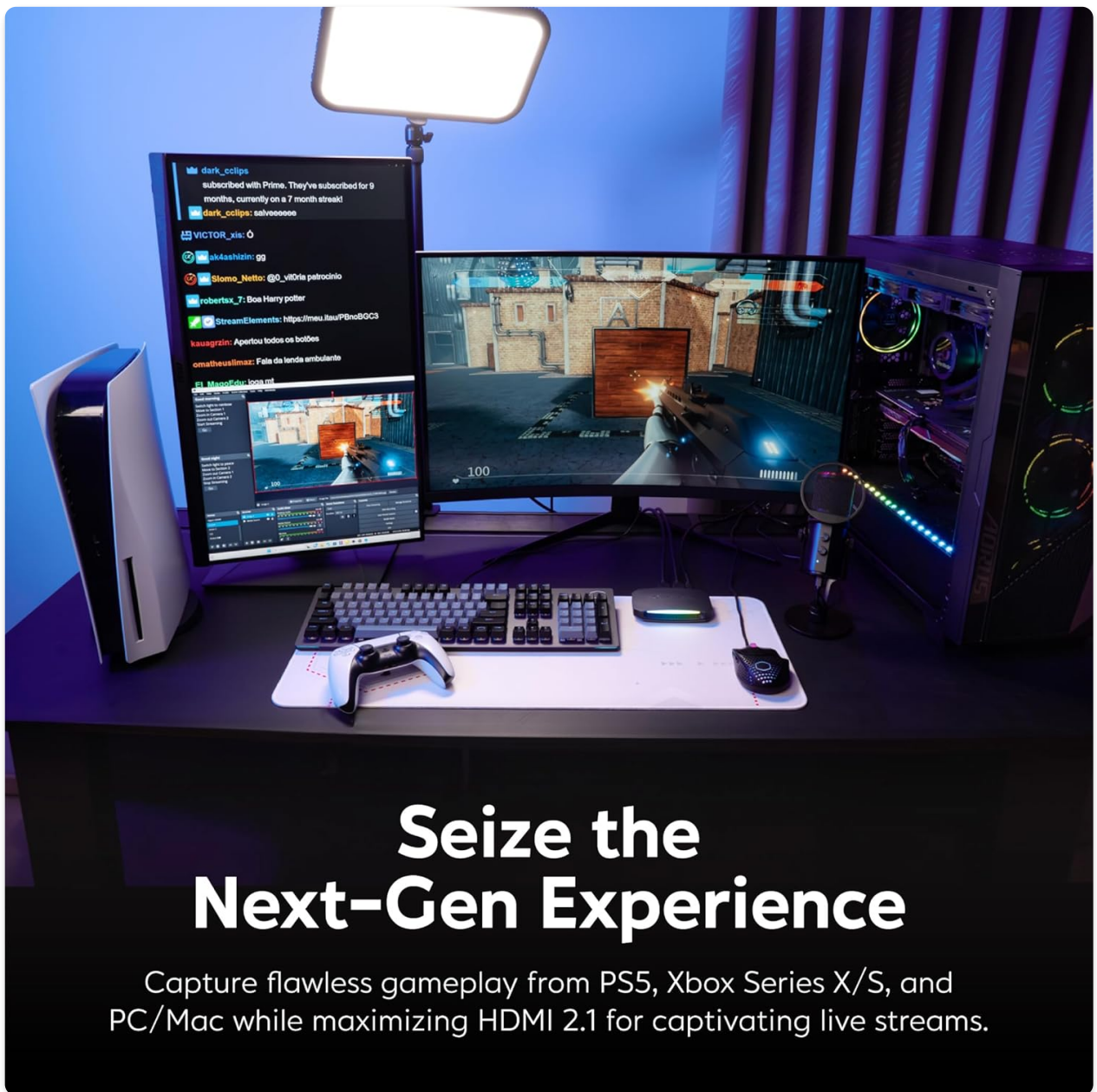
Once connected, launch your preferred streaming or capture software (e.g., OBS Studio, Streamlabs OBS, AVerMedia RECentral). Select the GC553G2 as your video and audio input device. Configure your streaming or recording settings according to your preferences and platform requirements.

# Unlock the Power of HDMI 2.1

Be the pioneer in experiencing the full potential of HDMI 2.1 for gaming and streaming with 4Kp144 pass-through (PC)/4Kp120 pass-through (console) and 4Kp60 capture.



Image: A dual-monitor gaming setup with the AVerMedia capture card, illustrating the ability to "Unlock the Power of HDMI 2.1" for gaming and streaming with 4Kp144 pass-through (PC) and 4Kp120 pass-through (console), alongside 4Kp60 capture.



# Seize the Next-Gen Experience

Capture flawless gameplay from PS5, Xbox Series X/S, and PC/Mac while maximizing HDMI 2.1 for captivating live streams.

Image: A gaming setup featuring a PlayStation 5 console, a monitor displaying gameplay, and the AVerMedia capture card. The text "Seize the Next-Gen Experience" highlights the card's ability to capture flawless gameplay from PS5, Xbox Series X/S, and PC/Mac, maximizing HDMI 2.1 for captivating live streams.

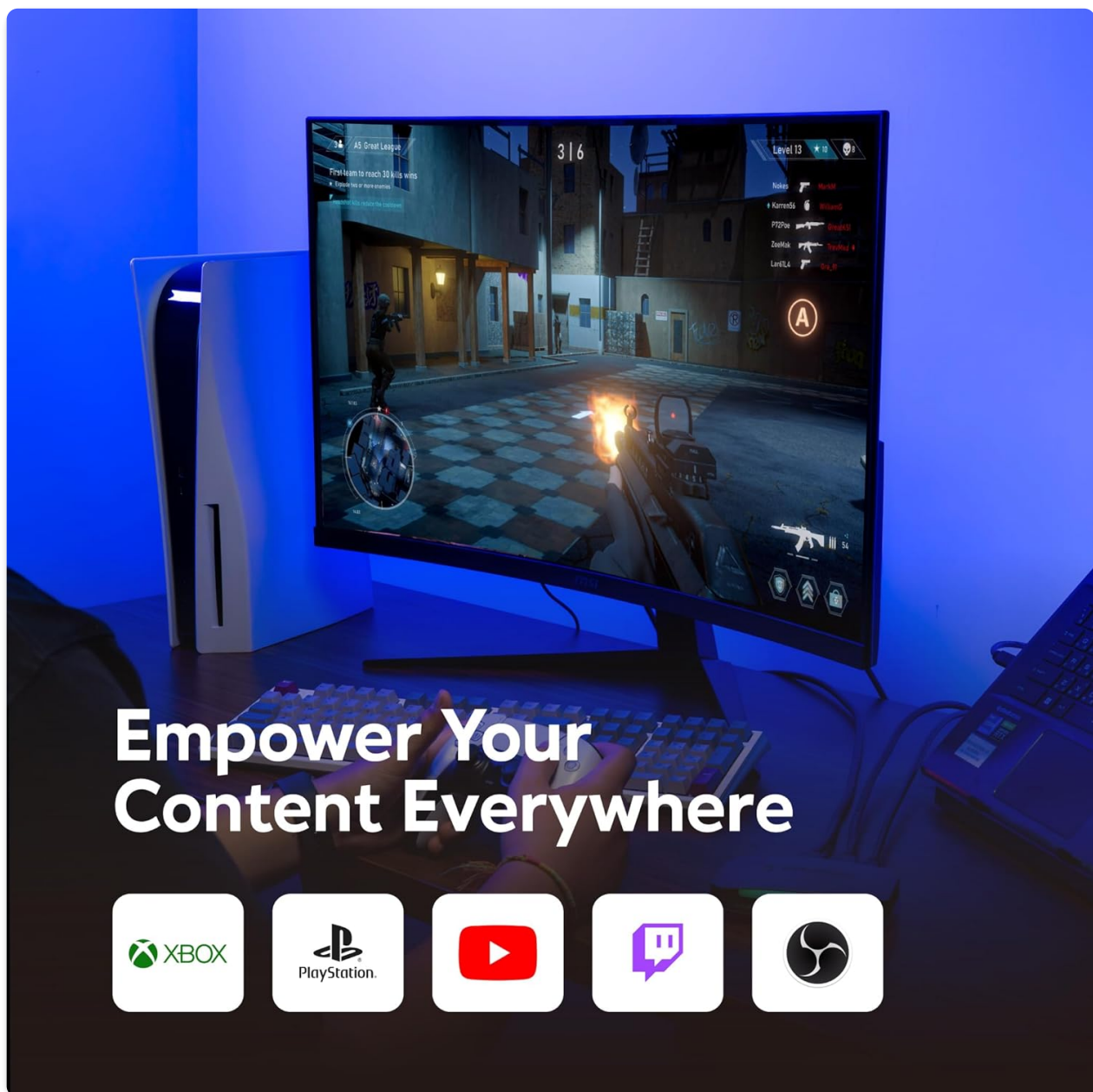


Image: A collection of logos including Xbox, PlayStation, YouTube, Twitch, and OBS, accompanied by the phrase "Empower Your Content Everywhere," indicating the broad compatibility of the AVerMedia capture card with various gaming consoles and streaming platforms.

## RGB Control Setup


The AVerMedia Live Gamer Ultra 2.1 features customizable RGB lighting. You can control this lighting through the AVerMedia Gaming Utility or compatible third-party software like MSI Mystic Light.

Your browser does not support the video tag.

Video: A tutorial demonstrating how to set up RGB control for the AVerMedia GC553G2 Live Gamer Ultra 2.1 using the AVerMedia Gaming Utility and third-party software like MSI Mystic Light. The video guides users through syncing lighting effects across their gaming setup.


For detailed instructions on RGB control, refer to the video above. It covers both third-party light control software (e.g., MSI Center's Mystic Light) and the Gaming Utility's own light control settings. Ensure that if you are using third-party software, the "Third-party light control software" option is enabled in the AVerMedia Gaming Utility's RGB Control section. If you prefer to control RGB directly from the Gaming Utility, disable the third-party option.






### Capture Card without Party Chat

- ✗ Requires an additional party chat cable
- ✗ Buzzing noise interruptions
- ✗ Audio pickup problems
- ✗ Another mic for live commentary recording





### LIVE GAMER *ULTRA 2.1*

- ✓ No extra party chat cables needed
- ✓ Easily control game and chat volume
- ✓ Simultaneous party chat & live commentary recording




Image: A gaming PC setup with various components displaying synchronized RGB lighting, including the AVerMedia capture card. Logos for MSI Mystic Light Sync, ASRock Polychrome Sync, and GIGABYTE RGB Fusion 2.0 are shown, indicating compatibility with different RGB ecosystems.

## MAINTENANCE

To ensure the longevity and optimal performance of your AVerMedia Live Gamer Ultra 2.1 (GC553G2), follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to gently wipe the exterior of the device. Avoid using liquid cleaners, aerosols, or abrasive solvents, as these can damage the surface or internal components.
- **Ventilation:** Ensure the device is placed in a well-ventilated area to prevent overheating. Do not block any ventilation openings.
- **Storage:** When not in use for extended periods, store the capture card in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Cable Management:** Keep cables organized and free from kinks or excessive bending to prevent damage to the connectors or internal wires.
- **Software Updates:** Regularly check the official AVerMedia website for firmware and software updates. Keeping your software up-to-date can improve performance, add new features, and resolve potential issues.

## TROUBLESHOOTING

If you encounter issues with your AVerMedia Live Gamer Ultra 2.1 (GC553G2), refer to the common problems and solutions below:

### No Signal/Black Screen:

- Ensure all HDMI and USB cables are securely connected.
- Verify that your source device (console/PC) is powered on and outputting video.
- Check your software settings to ensure the correct input source is selected.
- Try using different HDMI cables to rule out cable issues.

- Confirm your display supports the passthrough resolution and refresh rate.

**Audio Issues (No Sound, Distorted Audio, Party Chat Problems):**

- Check audio settings in your capture/streaming software and ensure the correct audio input (GC553G2) is selected.
- Verify that the 4-pole 3.5mm audio cable is correctly connected for party chat.
- Adjust volume levels in both the AVerMedia Gaming Utility and your operating system.
- If using a headset, ensure it is properly connected and functioning.

**Lag or Stuttering during Capture/Streaming:**

- Ensure your computer meets the minimum system requirements for the capture card and your chosen software.
- Close unnecessary applications running in the background to free up system resources.
- Update your graphics card drivers and AVerMedia software/firmware to the latest versions.
- Reduce the capture/streaming resolution or bitrate in your software settings.
- Ensure you are using a USB 3.2 Gen 2 port for the capture card.

**RGB Lighting Not Working/Syncing:**

- Check the RGB Control settings in the AVerMedia Gaming Utility.
- If using third-party RGB software (e.g., MSI Mystic Light), ensure the "Third-party light control software" option is enabled in the Gaming Utility.
- If not using third-party software, ensure that option is disabled and control directly from the Gaming Utility.
- Restart the AVerMedia Gaming Utility and any third-party RGB software.



## LIVE GAMER *ULTRA 2.1*

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Image: A visual comparison demonstrating the benefits of the Live Gamer Ultra 2.1's integrated party chat support versus a capture card without it. The left side shows the AVerMedia setup requiring no extra cables and allowing easy volume control, while the right side illustrates issues like buzzing noise and audio pickup problems with traditional setups.



Image: A side-by-side comparison of a game scene with HDR (High Dynamic Range) turned off and on, demonstrating the enhanced visual quality and detail when HDR is active through the capture card's passthrough.



Image: A visual comparison of a game scene with and without VRR (Variable Refresh Rate) enabled. The "NO VRR - Tearing" side shows visual artifacts, while the "VRR - No Tearing" side demonstrates smooth, tear-free gameplay, highlighting the benefit of the capture card's VRR passthrough.



Image: A split image showing two different game displays: one labeled "PC Game" and the other "Console Game." This illustrates the versatility of the capture card in handling inputs from both PC and console gaming platforms.

## TECHNICAL SPECIFICATIONS

Feature	Detail
Brand	AVerMedia
Series	Live Gamer ULTRA 2.1
Model Number	GC553G2
Hardware Interface	3.5mm Audio, USB Type C
Video Capture Resolution	4K60
Passthrough Resolution	4K144 / 4K120 (console)
Operating System	Windows 10 x64 / 11 x64 or later



Item Weight	4.1 ounces
Product Dimensions	2.7 x 7.3 x 6.3 inches
Color	Black
Recommended Uses	Video Recording, Live Streaming



Image: A graphic highlighting key features of the AVerMedia Live Gamer Ultra 2.1, including "Perfect for Consoles," "RGB Lighting," and "Supports 4K@144Hz as specified in HDMI 2.1."

## WARRANTY AND SUPPORT

AVerMedia products are designed for reliability and performance. For specific warranty details, please refer to the warranty information included with your product or visit the official AVerMedia website.

**Customer Support:**

- For technical assistance, troubleshooting, or product inquiries, please visit the AVerMedia support page.
- Official AVerMedia Website: [www.avermedia.com](http://www.avermedia.com)
- Support Contact: Refer to the website for regional contact information and support resources.

**Product Registration:** We recommend registering your product on the AVerMedia website to receive updates and support.



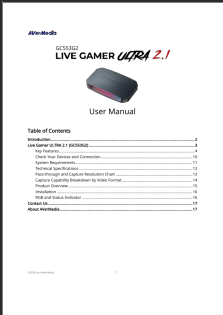
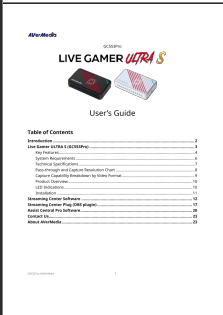
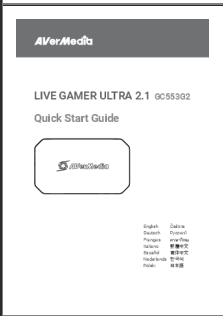
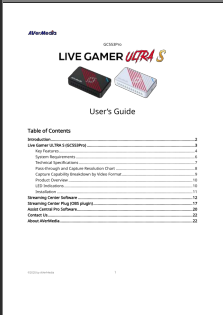
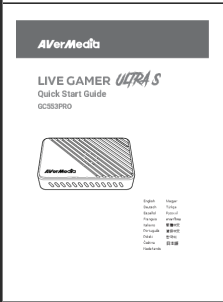
Image: A graphic with a green forest background and text stating "Global Sustainability: AVerMedia follows strict ESG"



guidelines to minimize carbon emission and other environmental pollution." This highlights the company's commitment to environmental responsibility.

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For more information, visit [www.avermedia.com](http://www.avermedia.com)

Related Documents - GC553G2

	<p><a href="#">AVerMedia Live Gamer ULTRA 2.1 (GC553G2) User Manual</a></p> <p>Comprehensive user manual for the AVerMedia Live Gamer ULTRA 2.1 (GC553G2) capture card, detailing features, setup, system requirements, and technical specifications for gamers and content creators.</p>
	<p><a href="#">AVerMedia Live Gamer ULTRA S (GC553Pro) User's Guide</a></p> <p>Comprehensive user guide for the AVerMedia Live Gamer ULTRA S (GC553Pro) capture card, detailing its features, system requirements, technical specifications, installation, and software usage for streaming and content creation.</p>
	<p><a href="#">AVerMedia Live Gamer ULTRA 2.1 GC553G2: Quick Start Guide for Streaming and Gaming</a></p> <p>Quick start guide for the AVerMedia Live Gamer ULTRA 2.1 (GC553G2) capture card, covering setup, installation, specifications, safety instructions, and compliance information.</p>
	<p><a href="#">AVerMedia Live Gamer ULTRA S GC553Pro User's Guide: 4K Capture Card Features and Setup</a></p> <p>Comprehensive user's guide for the AVerMedia Live Gamer ULTRA S (GC553Pro) 4K video capture card. Learn about key features like HDR/VRR pass-through, high frame rate capture, ultrawide support, and setup with Streaming Center software.</p>
	<p><a href="#">AVerMedia Live Gamer ULTRA S GC553PRO Quick Start Guide</a></p> <p>This document provides a quick start guide for the AVerMedia Live Gamer ULTRA S GC553PRO, covering its features, setup, specifications, safety instructions, and compliance information.</p>



<b>Table of Contents</b>	
Introduction	3
Live Gamer HD 2 (G0095)	4
Key Features	4
Check Your Device and Connection	4
System Requirements	4
Technical Specifications	5
Product Overview	5
LED and Status Indicator	6
Installation	6
Contact Us	10
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User manual for the AVerMedia Live Gamer 4K 2.1 (GC575) capture card, detailing its features, system requirements, installation, and technical specifications.