

AVerMedia GC575

AVerMedia GC575 Live Gamer 4K 2.1 HDMI 2.1 Internal PCIe Capture Card User Manual

Model: GC575

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your AVerMedia GC575 Live Gamer 4K 2.1 HDMI 2.1 Internal PCIe Capture Card. Please read this manual thoroughly before using the product to ensure proper setup and functionality.



Image 1.1: AVerMedia GC575 Live Gamer 4K 2.1 Capture Card with included HDMI 2.1 cable.

2. WHAT'S IN THE BOX

Verify that all items are present in the package:

- Live Gamer 4K 2.1 (GC575) Capture Card
- HDMI 2.1 Cable
- Quick Start Guide

3. TECHNICAL SPECIFICATIONS

Brand	AVerMedia
Series	Live Gamer 4K 2.1
Model Number	GC575
Hardware Interface	PCI Express 3.0
Video Capture Resolution	1080p240, 1440p120
Recommended Uses	Video Recording
Operating System	Windows 10
Item Weight	15.2 ounces
Product Dimensions (LxWxH)	4.76 x 6.32 x 0.83 inches

4. SETUP AND INSTALLATION

4.1 Hardware Installation

1. **Power Off Your PC:** Ensure your computer is completely shut down and unplugged from the power source.
2. **Open PC Case:** Remove the side panel of your PC case to access the motherboard.
3. **Locate PCIe Slot:** Find an available PCIe x4 slot (or larger) on your motherboard.
4. **Insert Capture Card:** Carefully align the AVerMedia GC575 card with the PCIe slot and press down firmly until it is securely seated.
5. **Secure Card:** Fasten the card to the PC case with a screw.
6. **Close PC Case:** Replace the side panel and reconnect the power cable.



Drive-Free Plug & Play

Simply connect the PCIe capture card to your PC for seamless streaming. Share your gaming adventures without the need for drivers or complicated configurations.

Image 4.1: The GC575 capture card installed in a PCIe slot within a desktop computer.

4.2 Connecting Devices

Connect your gaming console or PC to the capture card, and the capture card to your display:

- Connect your gaming console (e.g., PS5, Xbox Series X/S, Switch) or gaming PC to the **HDMI IN** port on the GC575 using the provided HDMI 2.1 cable.
- Connect your display (monitor or TV) to the **HDMI OUT** port on the GC575.

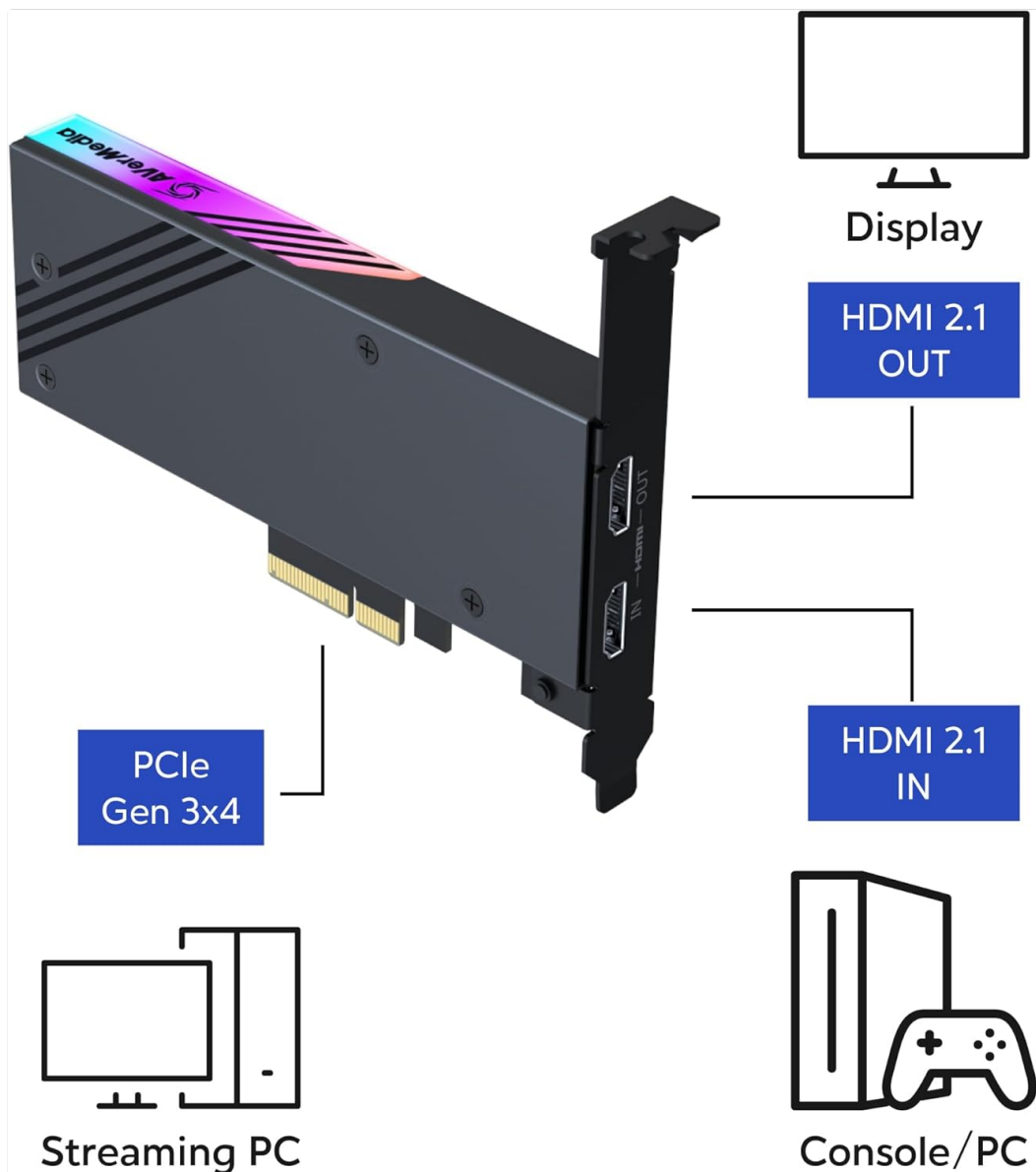


Image 4.2: Diagram illustrating the connections between a console/PC, the GC575 capture card, a streaming PC, and a display.

4.3 Software Installation

The AVerMedia GC575 is designed for "Drive-Free Plug & Play" functionality. However, for full control and advanced features, it is recommended to download and install the latest AVerMedia software and drivers from the official AVerMedia website. This ensures optimal performance and access to all capture and streaming options.

- Visit the official AVerMedia support website.
- Locate the product page for the Live Gamer 4K 2.1 (GC575).
- Download and install the latest drivers and software (e.g., RECentral or AVerMedia Gaming Utility).
- Follow the on-screen instructions to complete the installation.

5. OPERATION

5.1 Basic Capture and Streaming

Once the hardware and software are installed, you can begin capturing or streaming your gameplay:

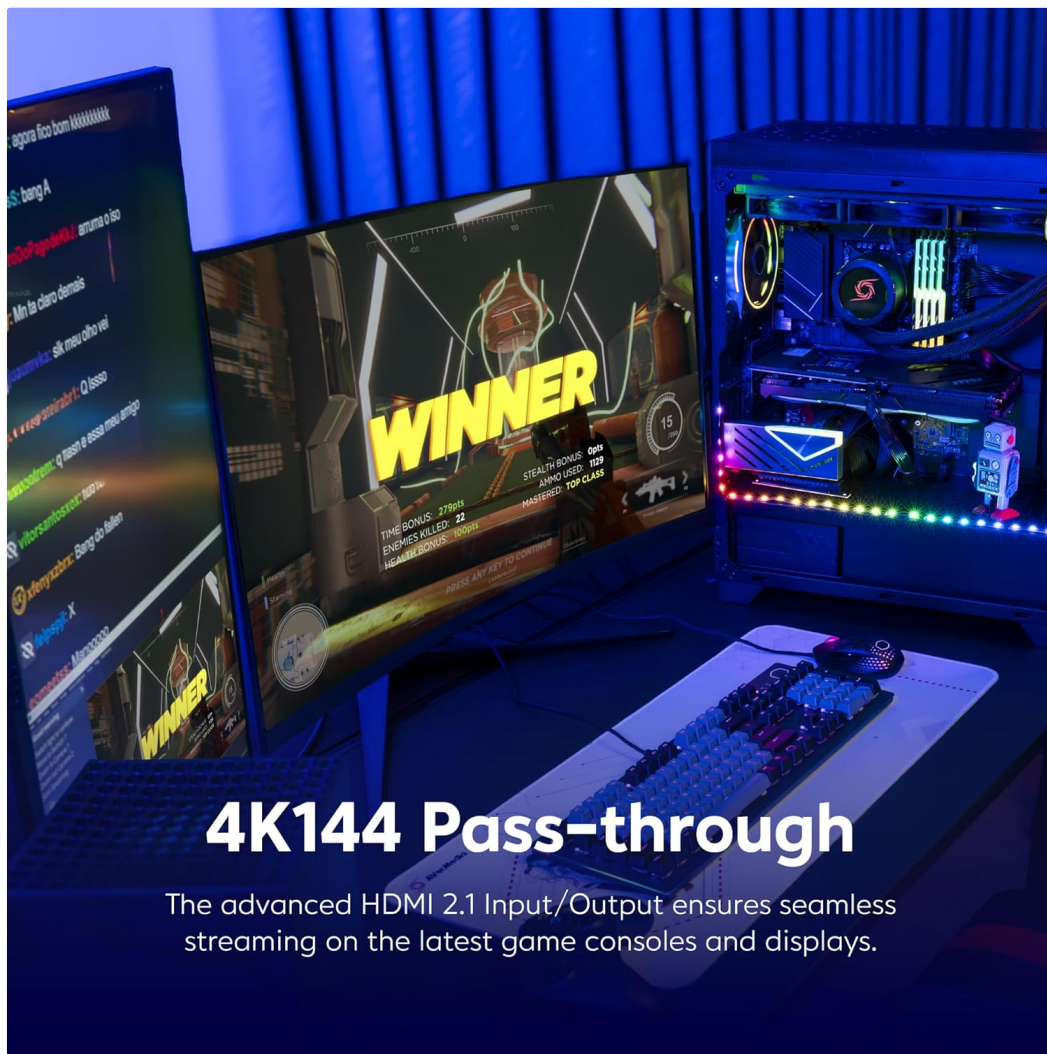
1. Launch your preferred streaming/recording software (e.g., AVerMedia RECentral, OBS Studio, Streamlabs OBS).
2. Add the GC575 as a video capture device source.
3. Configure the video and audio settings according to your desired output (e.g., 4K60 capture, 1080p240, 1440p120).
4. Start recording or streaming.



Image 5.1: A gaming setup demonstrating compatibility with next-generation consoles like PS5 and Xbox Series X/S for capturing and streaming.

5.2 4K144 Pass-through

The GC575 supports 4K144 pass-through, allowing you to play games at high resolutions and refresh rates on your display while simultaneously capturing at supported resolutions. This ensures a smooth gaming experience without compromising capture quality.



4K144 Pass-through

The advanced HDMI 2.1 Input/Output ensures seamless streaming on the latest game consoles and displays.

Image 5.2: A gaming setup showcasing the 4K144 pass-through capability, allowing high-resolution gameplay on the display while capturing.

5.3 HDR and VRR Support

Experience enhanced visual fidelity with HDR (High Dynamic Range) and smoother gameplay with VRR (Variable Refresh Rate) support. The GC575 ensures that these features are maintained through the pass-through to your display, providing an optimal viewing and gaming experience.



Image 5.3: Visual comparison demonstrating the benefits of HDR (High Dynamic Range) and VRR (Variable Refresh Rate) support for improved image quality and smoother gameplay.

5.4 Customizable RGB Lighting

The GC575 features customizable RGB lighting. Utilize the AVerMedia software to personalize the lighting effects and colors to match your PC build or gaming setup aesthetics.

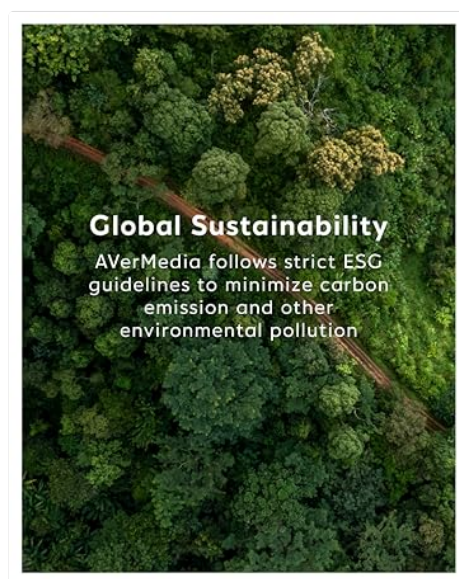


Image 5.4: The GC575 capture card showcasing its customizable RGB lighting when installed in a PC.

6. MAINTENANCE

To ensure the longevity and optimal performance of your AVerMedia GC575 capture card, follow these maintenance

guidelines:

- **Keep Clean:** Periodically clean the interior of your PC case to prevent dust buildup on the capture card. Use compressed air to gently remove dust from the card's heatsink and components.
- **Proper Ventilation:** Ensure your PC case has adequate airflow to prevent overheating, which can affect the performance and lifespan of internal components.
- **Software Updates:** Regularly check the official AVerMedia website for the latest driver and software updates. Keeping your software up-to-date can improve performance, add new features, and resolve potential issues.
- **Handle with Care:** When handling the card, avoid touching the gold-plated PCIe connectors or the electronic components directly. Hold the card by its edges.

7. TROUBLESHOOTING

If you encounter issues with your AVerMedia GC575, refer to the following common troubleshooting steps:

- **No Signal/Black Screen:**
 - Verify all HDMI cables are securely connected to the correct IN/OUT ports.
 - Ensure your console/PC is powered on and outputting a signal.
 - Check your display's input source selection.
 - Confirm the capture card is properly seated in the PCIe slot.
 - Update your graphics card drivers and AVerMedia software.
- **Software Not Detecting Card:**
 - Restart your PC.
 - Ensure the latest AVerMedia drivers are installed.
 - Check Device Manager in Windows to see if the card is recognized without errors.
 - Try reinstalling the AVerMedia software.
- **Lag or Stuttering in Capture/Stream:**
 - Ensure your PC meets the minimum system requirements for capturing at your desired resolution and frame rate.
 - Close unnecessary background applications.
 - Lower the capture resolution or frame rate in your software settings.
 - Check for overheating of your PC components.

For further assistance, please refer to the official AVerMedia support resources.

8. PRODUCT VIDEOS

No official product video URLs were provided in the product data for embedding. Please refer to the AVerMedia official website or YouTube channel for relevant video content.

9. WARRANTY AND SUPPORT

For detailed warranty information, product registration, and technical support, please visit the official AVerMedia website:

[AVerMedia Support Website](#)

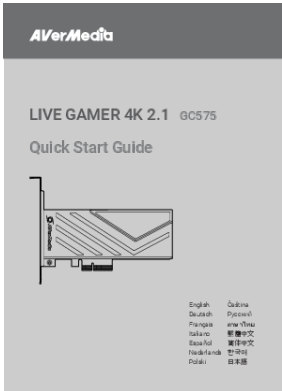
You can also find FAQs, driver downloads, and contact information for customer service on their support page.

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This manual is for informational purposes only. Specifications are subject to change without notice.

	AVerMedia Live Gamer ULTRA GC553 Quick Guide A quick start guide for the AVerMedia Live Gamer ULTRA GC553, covering setup, parts, LED indicators, and specifications.
	AVerMedia Live Gamer ULTRA S (GC553Pro) User's Guide 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.
	AVerMedia Live Gamer ULTRA S GC553PRO Quick Start Guide 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.
	AVerMedia Live Gamer 4K 2.1 (GC575) User Manual User manual for the AVerMedia Live Gamer 4K 2.1 (GC575) capture card, detailing its features, system requirements, installation, and technical specifications.
	AVerMedia Live Gamer ULTRA GC553 Quick Guide Concise guide for the AVerMedia Live Gamer ULTRA GC553, covering setup, parts, LED indicators, specifications, and safety. Features detailed descriptions of diagrams and multilingual content merged into English.
	AVerMedia GC311 Live Gamer MINI Quick Installation Guide This guide provides quick installation instructions, technical specifications, and system requirements for the AVerMedia GC311 Live Gamer MINI capture card. It covers setup for both Windows and macOS, including software recommendations like AssistCentral and RECentral.

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GC575
LIVE GAMER 4K 2.1

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[AVerMedia Live Gamer 4K 2.1 \(GC575\) User Manual](#)

User manual for the AVerMedia Live Gamer 4K 2.1 (GC575) capture card, detailing its features, system require installation, and technical specifications.
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GC571

LIVE STREAMER *ULTRA HD*

User's Guide

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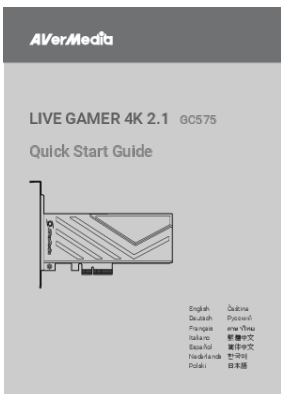
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[pdf] Datasheet

PowerPoint Presentation Aline Hsu GC575 Live Gamer 4K 2 1 Datasheet EN v1 20240103 storage avermedia web release www datashe **GC575** World Premier HDMI 2.1 PCIe Capture Card Features : HDMI 2.1 Input/Output World s first HDMI 2.1 F capture card with passthrough up to 4K144, delivering uncompressed video from next-gen console or PC game streaming. Ultra Low Latency Enjoy smooth gameplay with ultra-low latency, en... lang:en score:34 filesize: 734.82 K page_count: 2 document date: 2024-01-03



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