

GC553G2

# LIVE GAMER *ULTRA 2.1*



## Reviewer's Guide

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# Introduction

This document is your Reviewer's Guide for the Live Gamer ULTRA 2.1 (GC553G2). We have written this guide to provide you with the information you need to quickly and smoothly use the Live Gamer ULTRA 2.1 (GC553G2).

After a quick introduction of the Live Gamer ULTRA 2.1 and who this product is intended for, we will dive into its key features, system requirements, and technical specs and show you how to set up and install the device. Lastly, this guide will finish with a link to our technical support team and with some brief information on AVerMedia's background.

Thank you for taking the time to use and try out our latest capture device, we hope you enjoy using it as much as we enjoyed making it. If you have any questions or suggestions on our products or need any further editorial assistance, please don't hesitate to contact us.

## Live Gamer ULTRA 2.1 (GC553G2)

### **Precise Capture, Stunning Clarity**

The Live Gamer ULTRA 2.1 is the world-leading HDMI 2.1 USB capture card. Designed primarily for console and PC gamers with HDMI 2.1 compatible games and devices, such as modern consoles, GPUs, and monitors – it unlocks the full potential of these devices for streaming.

With the Live Gamer ULTRA 2.1, you can achieve up to 4K144 HDR/VRR pass-through via HDMI 2.1, delivering an immersive gameplay experience while streaming. It also supports up to 4K60 capture upgraded from the previous generation, providing breathtaking game visuals in clarity like never before. Moreover, you can add your unique style to your gaming setup by customizing RGB lighting. The Live Gamer ULTRA 2.1 also syncs up with the major RGB ecosystems to give you more options for expressing your personality. It also features a party chat function for in-game interactivity.

## Key Features

- **4K144 Pass-Through**

Now you can finally experience the **full visual specs** when streaming gameplay with your **modern consoles (4K120 pass-through)** and **PCs (4K144 pass-through)**.

The ultra-low-latency keeps you in perfect sync and ensures not a single frame is missed to have an impressive gaming experience in clarity and fluidity.

\*To fully utilize the performance of Live Gamer ULTRA 2.1, please refer to page 6 to check your hardware devices in advance.

- **4K60 Capture**

Take your game capture to the next level! Catch every victory and intense moment in **seamless 4K60 quality** like never before. Share your adventures with remarkable clarity to your audiences.

- **Customize RGB Lighting**

Show your unique style and individuality in the gaming setup by customizing RGB lighting, and sync with major gaming **RGB ecosystems** (currently collaborating with ASRock and MSI, with more partnerships coming soon).

There are two ways to customize RGB lighting:

1. Using third-party RGB lighting software
2. Using the AVerMedia Gaming Utility tool (Please refer to page 12 for RGB Control)

Download AVerMedia Gaming Utility [HERE](#).

- **Variable Refresh Rate**

Immerse yourself in a world of smooth, stutter-free visuals and ensure you never miss a crucial moment in your gaming.

- **Live Commentary and Party Chat**

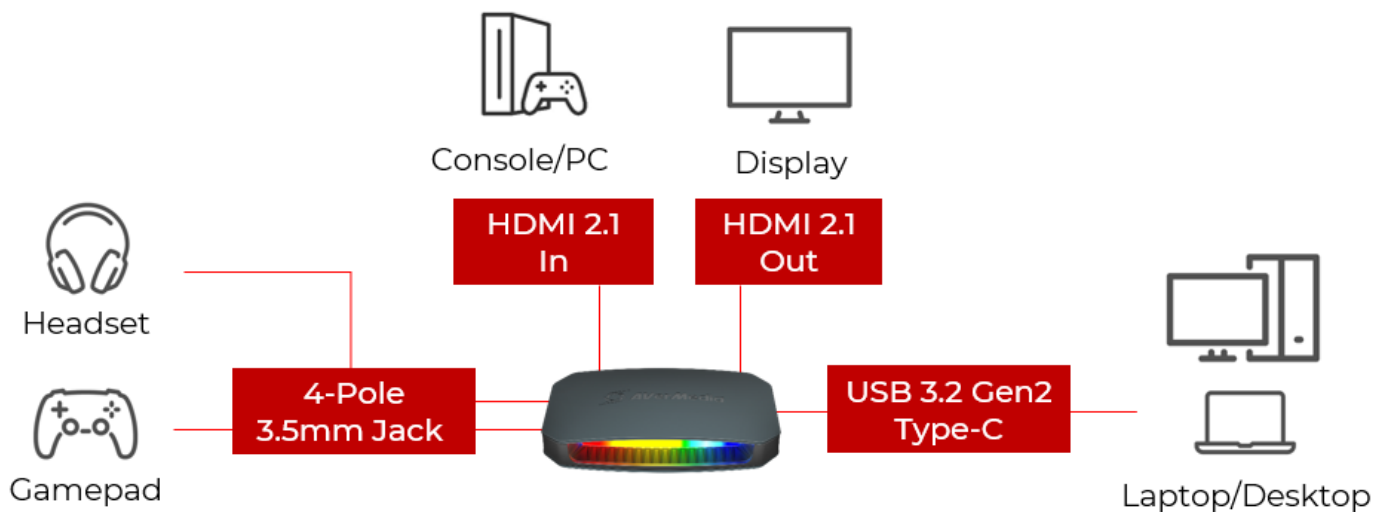
Enjoy seamless interaction with your fellow gamers and strike a perfect balance between game audio and chat volume while recording.

- **Captivating Color Box Design**

Inspired by the spectrum grating of the Live Gamer ULTRA 2.1, our color box design showcases a stunning rainbow neon display with every pull of the color sleeve, creating a dynamic interplay of light and shadows. Enjoy your unboxing with our ingenious design, where form meets function in a dance of light and shadow.



## Check Your Devices and Connection



### Note:

- We recommend using the cables originally provided with the devices.
- Ensure the Type-C port on your streaming PC or laptop supports USB 3.2 Gen2 or above.
- Confirm that both your display and console (PS5, PS4 Pro, Xbox Series X/S, Xbox One X) support HDMI 2.1 connection.
- We suggest not to use displays with DSC (Display Stream Compression) technology.

We also took a video to talk about the things you should know at AVerMedia Content Creator YouTube channel. Click the photo to watch the video now:



## System Requirements

- Windows® 10 x64 / 11 x64 or later (macOS support will be added once available)
- Desktop: Intel® Core™ i5-6XXX + NVIDIA® GeForce® GTX 1060 or above
- Laptop: Intel® Core™ i7-7700HQ + NVIDIA® GeForce® GTX 1050Ti or above
- 8 GB RAM recommended (Dual-channel)

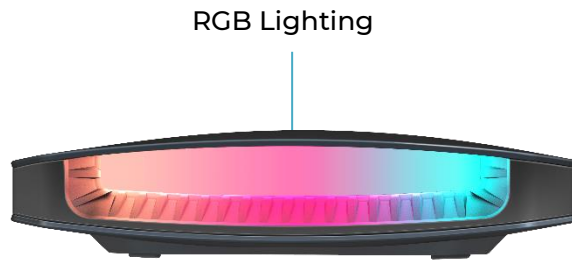
## Technical Specifications

Interface	USB 3.2 Gen 2 Type-C (10Gbps)
Input & Output (Pass-through)	HDMI 2.1
Max Pass-Through Resolution	2160p144 HDR/VRR, 1440p144 HDR/VRR, 1080p240 HDR/VRR (1440p240 pass-through and additional resolutions will be available via firmware upgrade)
Max Recording Resolution	2160p60
Supported Resolution	2160p, 1440p, 1080p, 1080i, 720p, 576p, 576i, 480p, 480i
Video Format	YUY2, NV12, RGB24, P010(HDR)
Audio Input & Output (Headset and Gamepad)	4-Pole 3.5mm Jack
Dimension (W x D x H)	120 x 70 x 27.6 mm (4.72 x 2.76 x 1.09 in.)
Weight	115 g (4.06 oz.)
What's in the Box	LIVE GAMER ULTRA 2.1 (GC553G2) HDMI 2.1 Cable USB Type-C to Type-C Cable 4-Pole 3.5mm Audio Cable Quick Start Guide (We recommend using the included cables for connection)

Specifications are subject to change without prior notice. Please visit AVerMedia official website for the latest information.

# Product Overview

## Front View

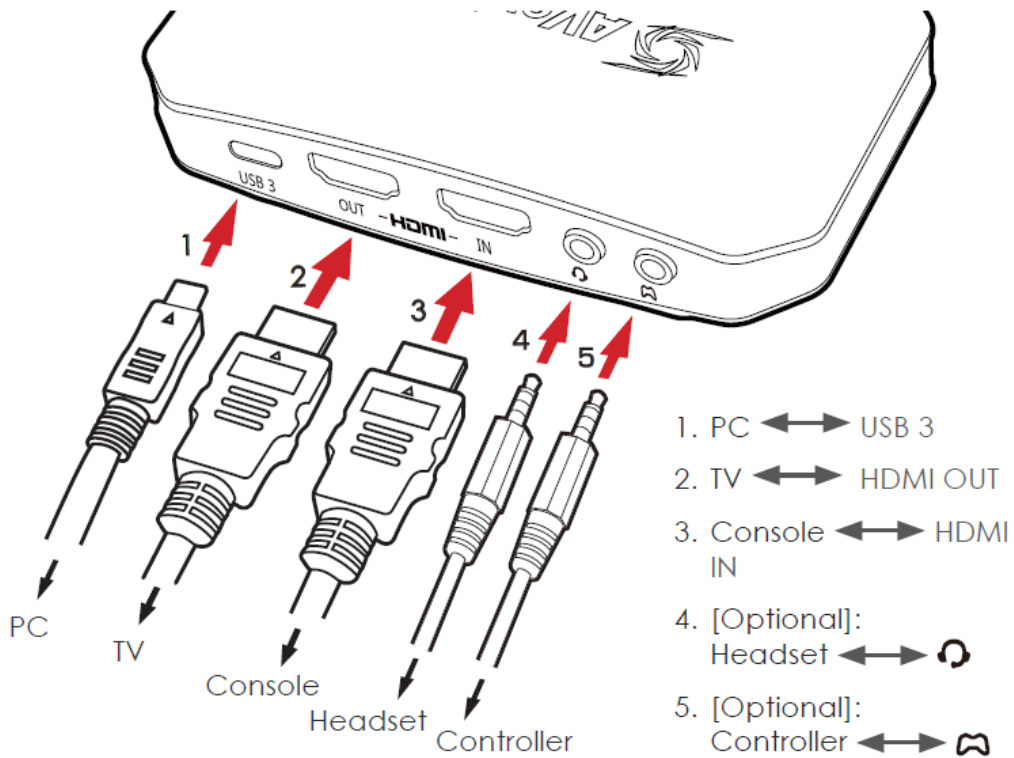


## Rear View





# Installation



## RGB and Status Indicator

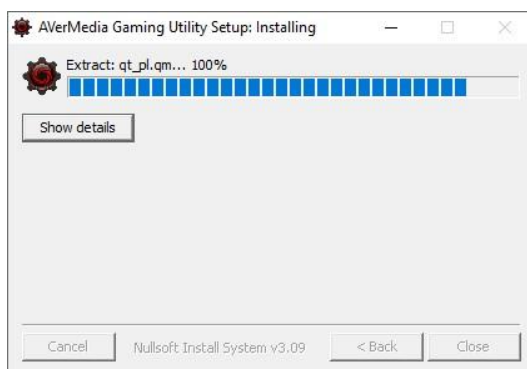
Blue Comet	Detecting Device
Rainbow Wave	Ready
Flashing Blue	Updating Firmware
Solid Red	Error: No Device Detected
Flashing Red	Error: Device Anomaly
Flashing Orange	Error: Device Connected to USB 2.0

# Gaming Utility

**AVerMedia Gaming Utility** is a handy tool that helps users obtain their capture card's information, adjust its audio settings, customize the RGB lighting, and more.

## Installation

Visit your capture card's webpage and download Gaming Utility. Install it by following the step-by-step instructions.



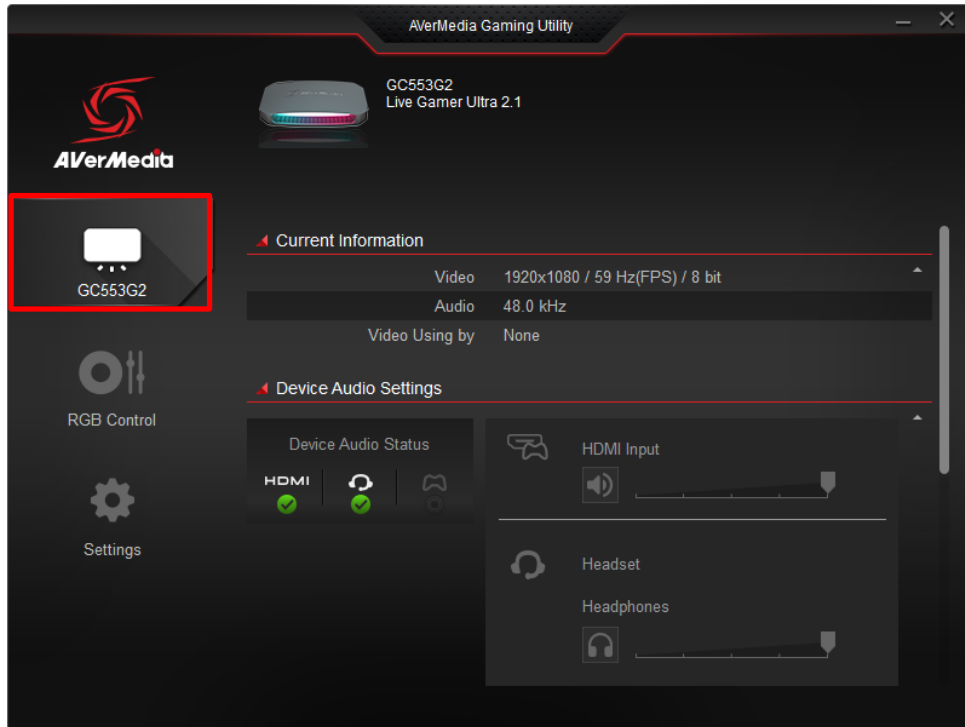
Once installed, you'll be greeted with an interface shown below.



Note: Gaming Utility currently supports capture cards GC575, GC573, GC571, GC570D, GC555, GC553G2, and GC553. The support list may be updated without prior notice.

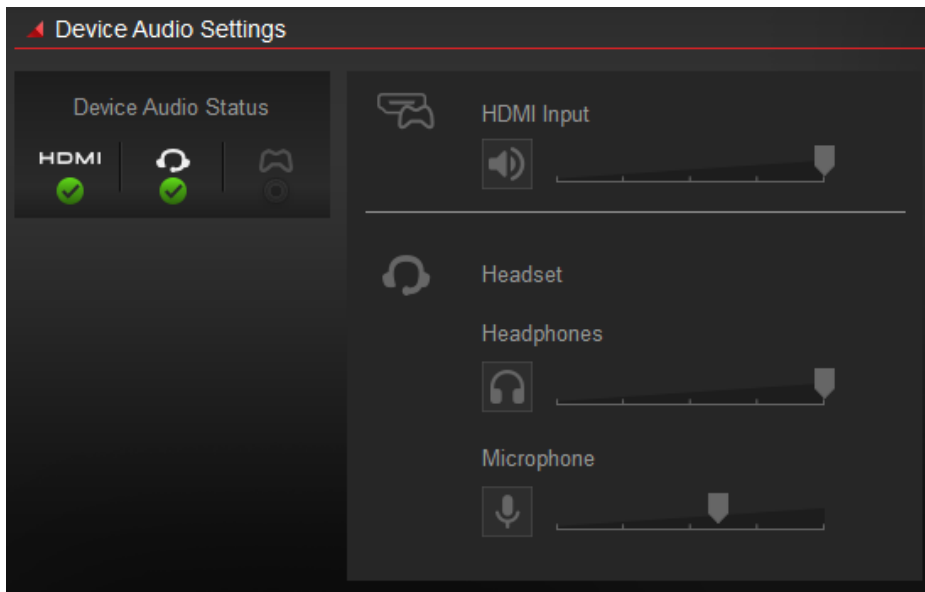
## Device Information

Located near the upper left of the UI, this function provides information about your capture card, including audio and HDCP settings as you scroll down.

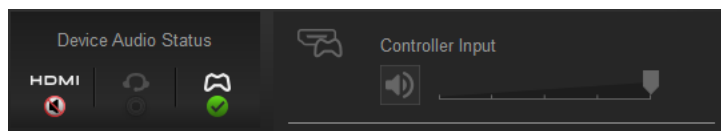


## Device Audio Settings

For example, with GC553G2, you can adjust not only HDMI audio input but also headphones and microphone volumes.

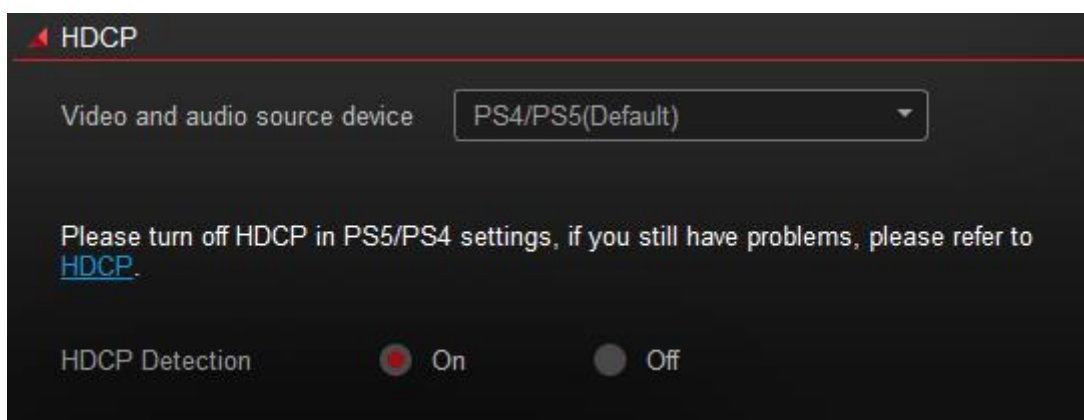


Note: When connecting an audio cable from your controller to GC553G2, audio capture will automatically switch from HDMI to the controller, with Controller Input volume control available as shown below.



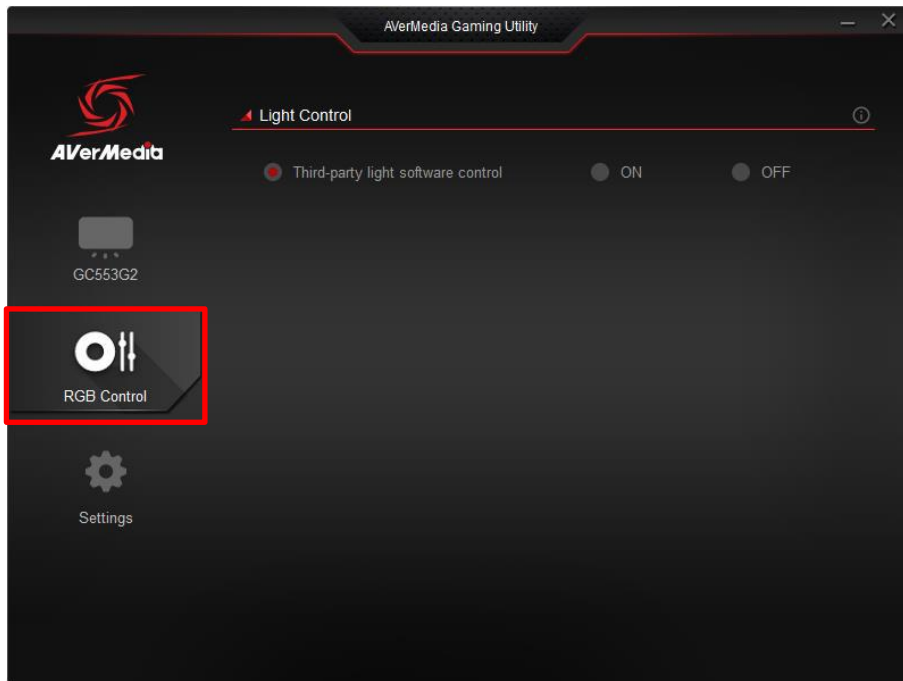
## HDCP\*

Select the proper video and audio source and follow the recommended setting for your source type.



\* HDCP detection is a security verification process that occurs while connecting two digital devices (e.g. a player and a monitor) to ensure that transmitted content is protected from unauthorized copying.

## RGB Control



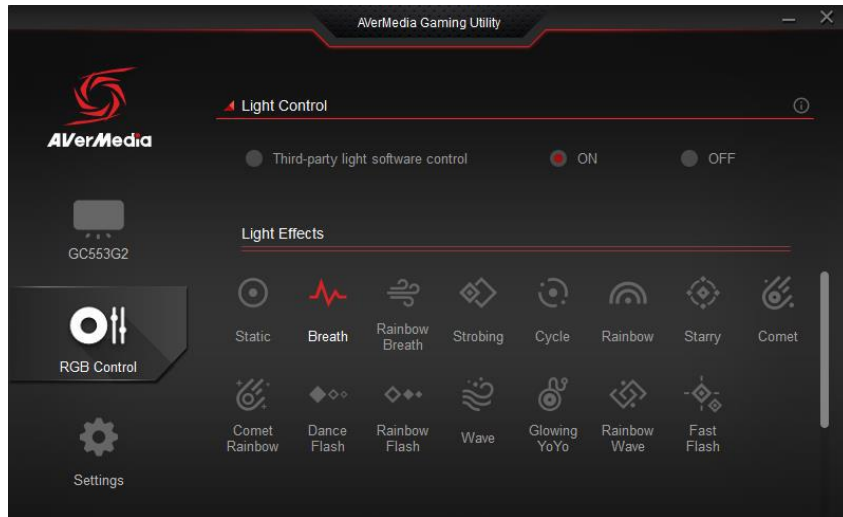
## Light Control

Under the **Light Control** setting, you have the option to turn On, Off, or enable **Third-party light software control** (default setting). This allows other light control programs, such as those from ASRock, MSI, and others, to manage the capture card's lighting to sync with theirs.

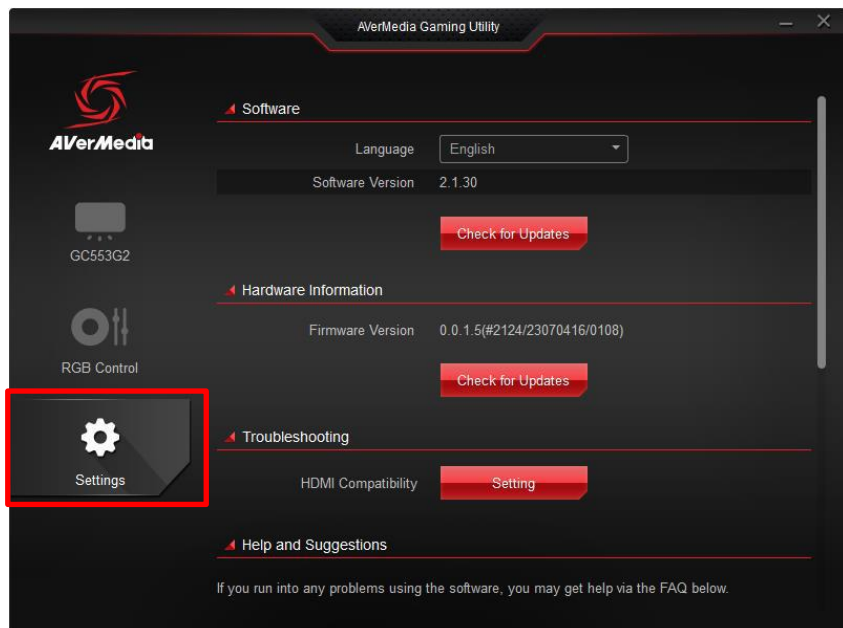
Note: To avoid software conflicts, it is recommended to disable all lighting control from other software if you choose to turn it on in Gaming Utility.

## Light Effects

When the Light Control setting is turned on, you get to choose from a collection of lighting effects. Depending on the one you choose, some can be customized to their color, speed, and brightness.



## Settings

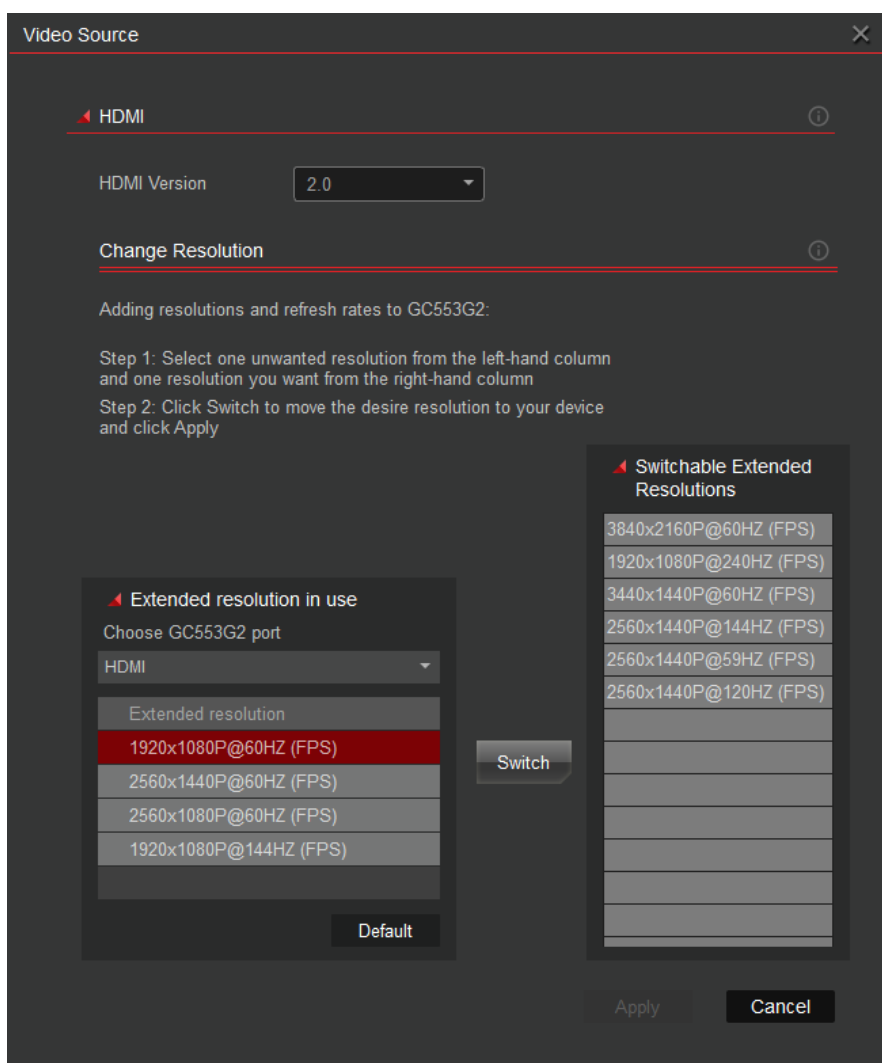


The **Settings** include essential functions such as software and hardware updates, troubleshooting, and more.

## Troubleshooting

### Compatibility

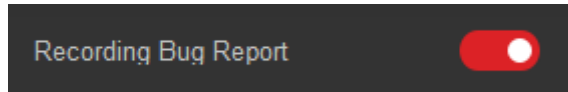
If your monitor is having trouble displaying videos, you may try different HDMI versions for better compatibility. Take HDMI 2.0 for instance, if you select it at the top, a list of respective resolutions and refresh rates will be available. Simply follow the steps to swap the resolutions you want to the left for your capture card to use.



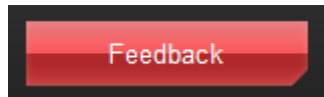
## Help and Suggestions

This setting has a feedback function that can record the system log when the problem happens.

First, you need to enable **Recording Bug Report**.



Reproduce the problem for the software to record it. After the problem reoccurs, click **Feedback**.



Fill in the form, and submit the bug report.

A dark grey dialog box titled "Feedback" with a close button in the top right corner. It contains a form with the following fields: "Problem Type" (dropdown menu with "Report errors" selected), "Product Name" (dropdown menu with "GC553G2" selected), "Description" (text area with the prompt "What did you encounter, and what actions did you take at the time?"), two checked checkboxes: "Send system information (does not contain any of your personal data)" and "Send a bug report (does not contain any of your personal data)", "Name" (text input with "John"), and "Email" (text input with "John.D@avermedia.com"). At the bottom right are "Send" and "Cancel" buttons.





## Contact Us

Please contact us [here](#) should you have any questions or suggestions.

## About AVerMedia

AVerMedia Technologies specializes in digital video and audio technology. We provide cutting-edge, high-quality audio and video peripherals, professional capturing and streaming solutions, Edge AI technology, video collaboration solutions, and more. Our mission is to provide an enriched user experience and effective communication in education, content creation, and video communication via innovative and eco-friendly solutions.

AVerMedia is guided by a philosophy of contributing to society- whether through products that change customers' lives for the better or by ensuring our operations are socially responsible.

Connect with AVerMedia:

Website: <https://www.avermedia.com/>

LinkedIn: <https://www.linkedin.com/company/avermedia-technologies>