

GC551G2

LIVE GAMER EXTREME 3

Plug and Play 4K Capture



REVIEWER'S GUIDE v2.2

FW v1.2.5.4 adds new support resolutions. Please check Page 5

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Introduction

This document is your reviewer's guide for the Live Gamer EXTREME 3 (LGE3) GC551G2. This guide provides you with all the necessary information to easily review the Live Gamer EXTREME 3 (LGE3) GC551G2 and its companion software RECentral (v4).

This reviewer's package comes bundled with 2 files for you to quickly get familiar with the LGE3, RECentral and other necessary information for deeper evaluation. This document we will focus on the LGE3, what it is, who it is for, its key features, how it is different from other models and other relevant technical information.

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

Live Gamer EXTREME 3

The LGE3 is a USB 3.2 (Gen 1) Type-C video capture card. It is designed primarily for console gamers that want to play games in 4k HDR* while also capturing that crisp gameplay in 4K SDR. To take that experience even further we have added VRR support at lower resolutions and higher refresh-rates along with a slew of useful features at a competitive and affordable price unlike any other capture card in the market.

The LGE3 can pass-through 4Kp60 content in 10-bit HDR* with zero lag and record it at 4K 30 frames per second. Drop the resolution to 1440p or 1080p to enjoy tear free and stutter free gameplay thanks to VRR at a maximum of 120 frames per second. You can enjoy VRR gameplay while streaming and gaming at 1080p60 without any impact on quality.

Key Features

4Kp30 Capture & 4Kp60 HDR Pass-through

Capture your gameplay in high detail with the support of up to 4Kp30 on a 4K 60Hz HDR* monitor. If fast is your pace, switch to 1440p and play at up to 120 frames per second while recording at 1080p60. Thanks to the uncompressed capture capabilities, your gameplay will be captured exactly the way it is meant to look.

Variable Refresh-Rate

The brand-new Live Gamer EXTREME 3 supports VRR to give you tear-free and stutter-free gameplay with supported monitors.

When using with variable refresh rate enabled, the maximum supported resolutions are 1080p120 or 1440p120 on supported devices. For a full list of tested and supported monitors, please visit the official website.

Multistream with RECentral

Level up your stream and stream to Twitch, YouTube, Facebook and many other platforms simultaneously with AVerMedia RECentral. Simply sign into your preferred accounts and hit stream on the 'Multistream' tab to start streaming to all the platforms. Please note that these upstreams are separate and the quality might be limited by your internet bandwidth.

Ultra-Low Latency

With nearly zero latency on the pass-through signal, and ultra-low latency through to the captured view, the Live Gamer Extreme 3 makes sure both your gameplay and stream are smooth and lag-free.

Plug and Play

We wanted to make users experience as pleasant as possible, having to install drivers before using a capture card often can get quite frustrating. Taking full advantage of UVC protocol standards, which basically standardizes video drivers

across most platforms, the LGE3 is driver free. All you need to do is plug it into your PC/mac and its ready to be used.

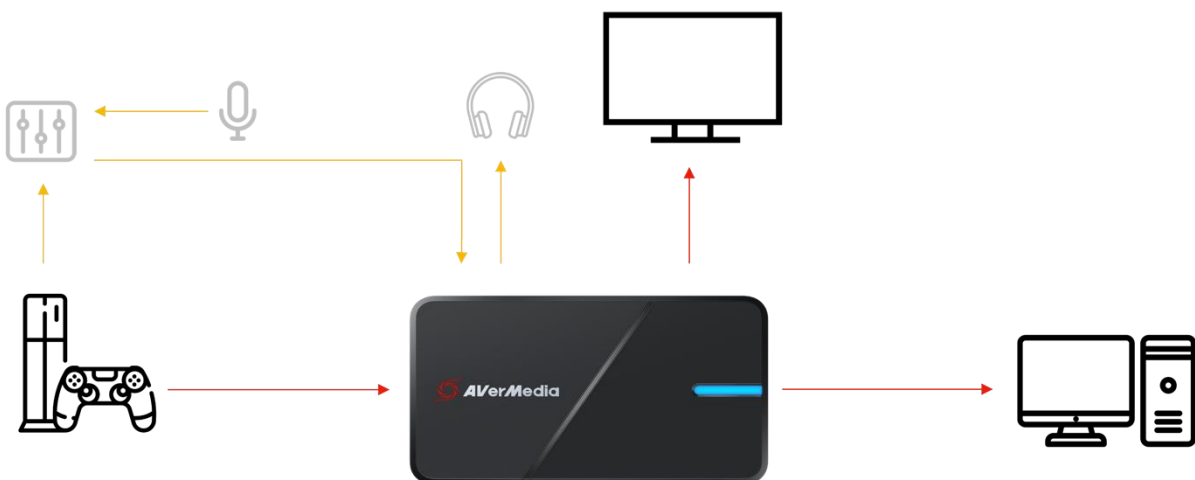
Eco-Friendly

We believe that saving the environment we live in is a responsibility of everyone. That is why AVerMedia follows strict ESG guidelines during our daily operations and when creating The Live Gamer EXTREME 3 to minimize carbon emission and waste creation. We put in lot of thought into designing the product, packaging, and the overall production process to minimize, carbon emissions, waste creation, unnecessary logistic use, and other pollutants.

Built-in Audio Line-In & Line-Out

Thanks to the built in Line-In and Line-Out connection, it is a breeze to re-route your audio into a mixer or mix in different audio outputs into the stream source.

User Scenario



System Requirements

Windows® 10 x64 / 11 x64

Desktop: Intel® Core™ i5-6XXX + NVIDIA® GeForce® GTX 1060 or above

Laptop: Intel Core i7-7700HQ + NVIDIA GeForce GTX 1050 Ti or above

8 GB RAM recommended

macOS 11 / 12

3.6 GHz quad-core Intel Core i7

Radeon Pro 555 with 2 GB of VRAM

16 GB of 2400 MHz DDR4 memory

Technical Specifications

Interface : USB 3.2 (Gen 1) Type-C (plug and play, UVC)

Video Input : HDMI 2.0

Video Output (Pass-Through) :HDMI 2.0

Audio Input : HDMI 2.0 / 3-Pole 3.5 mm Jack

Audio Output (Pass-Through) :HDMI 2.0 / 3-Pole 3.5 mm Jack

Max Supported Resolutions (Video Input): 2160p60/1440p120

Max Recording Resolution : 2160p30 / 1080p60

Dimension: (W x D x H) :112.5 x 66.1 x 20.9 mm (4.43 x 2.6 x 0.82 in)

Weight : 85 g (3 oz)

* FW v1.2.5.4 adds support for the following resolutions;

- 1280x800 for Steam Deck
- 1080p240
- This firmware version brings performance improvement and bug fixes for PS Classic Pass and Nintendo NES Mini compatibility.

Notes:

* Live Gamer Extreme 3 does not support viewing/recording/streaming of HDCP

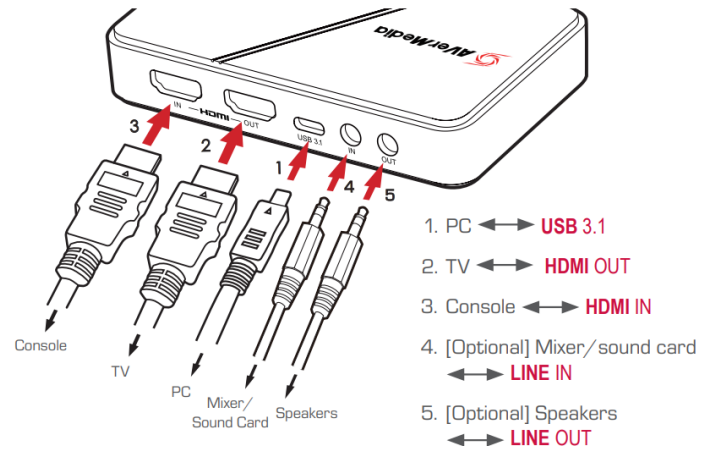
* HDR passthrough will be available through a firmware update.

Comparison

Model		GC551			GC551G2			GC553		
MSRP/SP										
			HDR	VRR		HDR	VRR		HDR	VRR
Pass-through	4Kp60	✓	✗	✗	✓	✓	✗	✓	✓	✗
	4Kp30	✗	✗	✗	✓	✓	✗	✓	✓	✗
	1440p144	✗	✗	✗	✗	✗	✗	✓	✓	✗
	1440p120	✗	✗	✗	✓	✓	✓	✓	✓	✗
	1080p240	✗	✗	✗	✗	✗	✗	✓	✓	✗
	1080p120	✗	✗	✗	✓	✓	✓	✓	✓	✗
	1080p60	✓	✗	✗	✓	✓	✓	✓	✓	✗
Capture	4Kp60	✗	✗	✗	✗	✗	✗	✗	✗	✗
	4Kp30	✗	✗	✗	✓	✗	✗	✓	✗	✗
	1440p120	✗	✗	✗	✗	✗	✗	✗	✗	✗
	1080p120	✗	✗	✗	✗	✗	✗	✗	✗	✗
	1080p60	✓	✗	✗	✓	✗	✓	✓	✓	✗
	1080p30	✓	✗	✗	✓	✗	✓	✓	✓	✗
USB Type-C		✓			✓			✓		
Audio Line-In & Line-Out		✗			✓			✗		

Installation

1. Use the Type-C to Type-A cable, provided in the box, to connect the LGE3 to your PC or Laptop
2. Connect your monitor to the HDMI-OUT port for pass-through of captured content
3. Connect your video source (console / graphics card / another PC) to the HDMI-IN port
4. (Optional) Plug in the Audio Line-In to your console or mixer output.
5. (Optional) Plug in the Audio Line-Out to your headphones or speakers.
6. Download and install RECentral Software from



a. Windows

https://storage.avermedia.com/web_release/www/software/RECentral_4_v4.7.44.1_22061501_x64.exe

b. Mac

https://storage.avermedia.com/web_release/www/software/RECentralExpress_v1.2.65.dmg.zip

LED Indications

Solid Blue	Ready
Slow Flashing Red	Recording
Slow Flashing Blue	Streaming
Fast Flashing Red	Disk Almost Full
Solid Red	Disk Full Error: Streaming or Recording Stopped
Flashing Green	Error: Connected to USB 2.0
Flashing Red	Error: Devices Anomaly

Technical Support

If you face any issues with testing our products or require further information, please reach out to your local AVerMedia Marketing Representative.

AVerMedia also provides RMA* services as well as comprehensive technical support to all our customers, including online, over the phone and email support. Our customer service center is based at AVerMedia HQ and responds within the 24 hrs of receiving the inquiry.

We also maintain an extensive FAQ section which the users can explore before reaching us at our technical support system at,

(http://www.avermedia.com/gaming/support_faq/main)

If the user is facing a unique issue that cannot be solved with the help of FAQ section, they can directly reach our technical support team at,

(http://www.avermedia.com/gaming/technical_support).

About AVerMedia

AVerMedia is the leader in Digital Video and Audio Convergence Technology. From audio and video peripherals for consumers, to professional capturing and streaming solutions for corporate markets. AVerMedia Technologies, Inc. commits itself to enrich experiences in entertainment and communications. As a leader in innovative manufacturing and environmentally friendly products, AVerMedia is also highly involved in community and social responsibilities. AVerMedia also partners with ODMs for the development of AVerMedia's technologies for integrated applications.

AVerMedia Creator Logo:



AVerMedia Technologies, Inc. Logo:

