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## AVerMedia GC555

# AVerMedia Live Gamer Bolt (GC555) User Manual

Thunderbolt 3 External Capture Card

## 1. INTRODUCTION

This manual provides essential information for the setup, operation, and maintenance of your AVerMedia Live Gamer Bolt (GC555) external capture card. Please read this document thoroughly before using the device to ensure proper functionality and to maximize your experience.



Figure 1: AVerMedia Live Gamer Bolt (GC555)

The Live Gamer Bolt is designed for content creators, enabling the capture of uncompressed 4K HDR video at 60 frames per second (FPS) or up to 240 FPS in Full HD. It utilizes Thunderbolt 3 technology for high-speed data transfer and low-latency performance.

## 2. PACKAGE CONTENTS

Verify that all items are present in the package:

- Live Gamer BOLT (GC555) device
- HDMI 2.0 cable
- Thunderbolt 3 cable
- 3.5mm audio cable
- Quick guide
- CyberLink PowerDirector 15 Product Key Card (4K video editing software)

## 3. SYSTEM REQUIREMENTS

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### 3.1. Windows System Requirements

- **Operating System:** Windows 10 x64 or Windows 11

For 4Kp60 HDR or 1080p240 Recording:

Laptop:

- **CPU:** Intel Core i7-7700HQ or above
- **GPU:** NVIDIA GeForce GTX1050 Ti or above
- **RAM:** 8 GB (DDR4 2400 or above)

Desktop:

- **CPU:** Intel Core i5-6XXX / AMD Ryzen 3 XXX or above
- **GPU:** NVIDIA GTX 1060 / AMD RX 5700 or above
- **RAM:** 8 GB (DDR4 2400 or above)

For 1080p60 Recording (4Kp60 HDR pass-through supported):

Laptop:

- **CPU:** Intel Core i7-4810MQ
- **GPU:** NVIDIA GeForce GTX 870M or above
- **RAM:** 8 GB

Desktop:

- **CPU:** Intel Core i5-3330 or above (i7-3770 recommended)
- **GPU:** NVIDIA GeForce GTX 650 / AMD Radeon R7 250X or above
- **RAM:** 4 GB

### 3.2. macOS System Requirements

- **Operating System:** macOS High Sierra 10.15 and above
- **Interface:** Mac Thunderbolt 3 port
- **Note:** Does not support Apple Silicon (M1 or M2) platform.

For 4Kp60 or 1080p240 Recording (4Kp60 HDR pass-through supported):

iMac 2019:

- **CPU:** 3.2GHz 6-core Intel Core i7
- **GPU:** Radeon Pro 555X with 2GB of GDDR5 memory
- **RAM:** 16GB of 2400MHz DDR4 memory

MacBook Pro 2018:

- **CPU:** 2.6GHz 6-core Intel Core i7
- **GPU:** Radeon Pro 555X with 2GB of GDDR5 memory or Radeon Pro 560X with 4GB of GDDR5 memory and above
- **RAM:** 16GB 2400MHz DDR4 memory

#### **Additional Mac Notes:**

- HDR recording is not supported on Mac.
- Preset color space is NV12.
- A Thunderbolt 3 cable and port are required.

## **4. SETUP INSTRUCTIONS**

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### **4.1. Connecting the Live Gamer Bolt**

1. **Connect to Source:** Use an HDMI 2.0 cable to connect your gaming console (e.g., PS4 Pro, PS5, Xbox Series X/S) or other video source to the **HDMI IN** port on the Live Gamer Bolt.
2. **Connect to Display:** Use another HDMI 2.0 cable to connect your display (TV or monitor) to the **HDMI OUT** port on the Live Gamer Bolt. This provides pass-through video.
3. **Connect to Computer:** Use the provided Thunderbolt 3 cable to connect the Live Gamer Bolt to a native Thunderbolt 3 port on your Windows or macOS computer. **Important:** The device does not support USB Type-C, USB 3.1, 3.0, or 2.0 ports.
4. **Audio Connection (Optional):** If desired, connect the 3.5mm audio cable for additional audio input/output.



Figure 2: Live Gamer Bolt with Thunderbolt 3 connection

#### 4.2. Software Installation

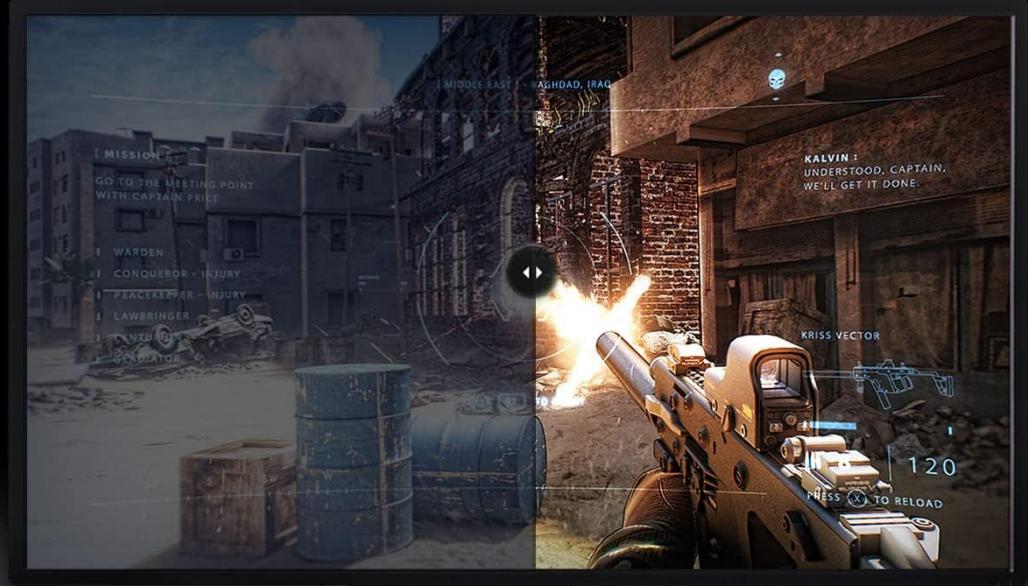
After connecting the hardware, install the necessary software and drivers from the AVerMedia official website. The Live Gamer Bolt is compatible with AVerMedia's RECentral 4 software, as well as third-party streaming applications such as OBS, Streamlabs, and XSplit.

### 5. OPERATING INSTRUCTIONS

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#### 5.1. Capturing and Streaming

The Live Gamer Bolt allows for high-quality video capture and streaming. Ensure your source device is outputting the desired resolution and frame rate.



## CAPTURE 4KP60 ANYWHERE

Record crisp video as lifelike and smooth as possible, 60 FPS of pure 4K HDR bliss.

\*Thunderbolt 3 port required

Figure 3: Capturing 4K60 HDR content

- **4K60 HDR10 Capture:** Record uncompressed 4K video at 60 FPS with HDR10 support.
- **1080p240fps Capture:** Achieve ultra-smooth recordings at 240 FPS in Full HD.
- **Ultra-Low Latency:** Experience sub-50ms latency for seamless live streaming and gameplay viewing.

Perfect for:

PS4 Pro

XBOX ONE X

YouTube

twitch

mixer



## 240 FPS IN FULL HD

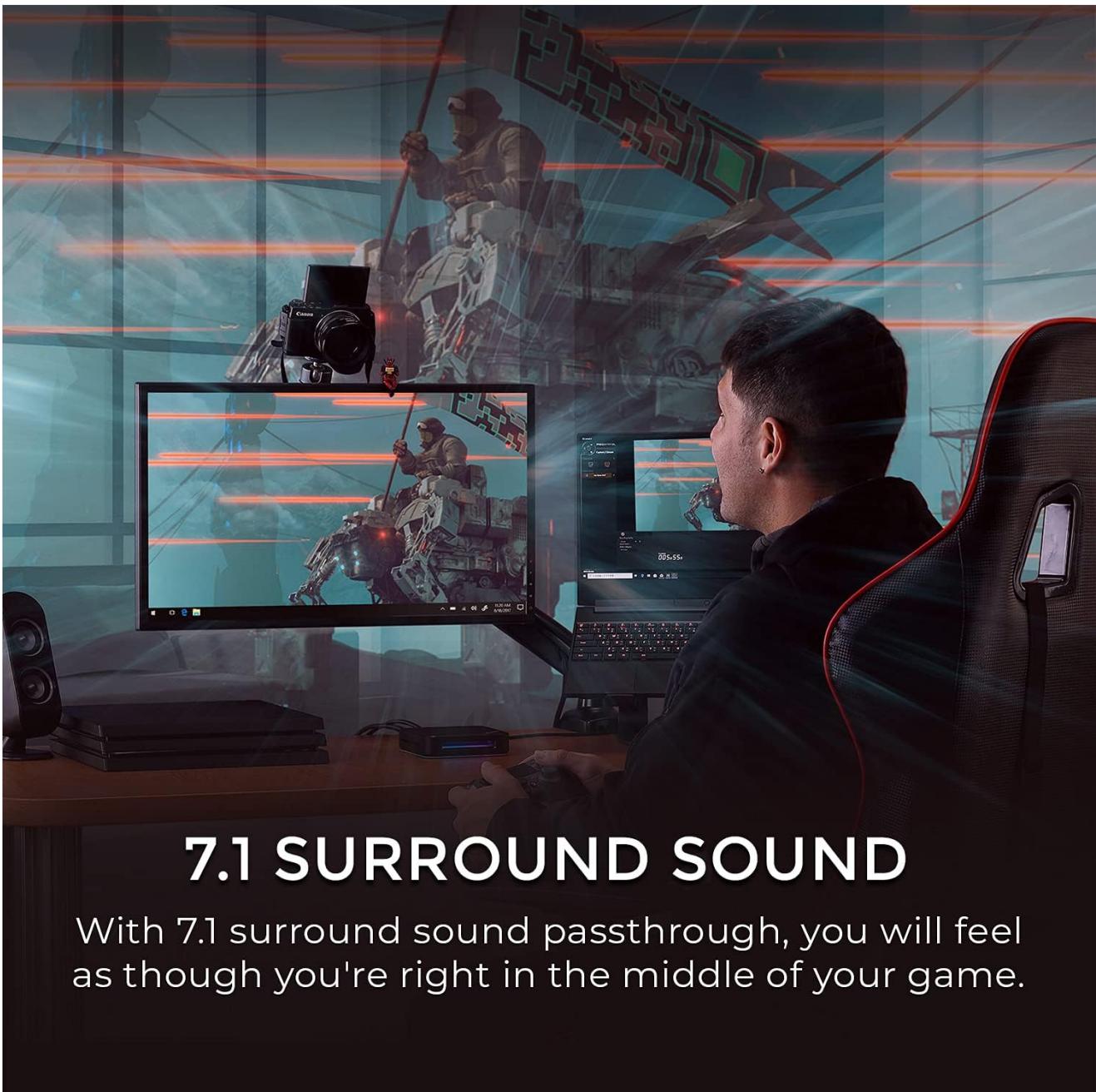
Record and passthrough Full HD 240 FPS,  
the Live Gamer BOLT can do both.

\*Thunderbolt 3 port required.

Figure 4: Achieving 240 FPS in Full HD

### 5.2. Audio Features

The Live Gamer Bolt supports 7.1 surround sound passthrough, enhancing the immersive audio experience for both the user and the audience.



## 7.1 SURROUND SOUND

With 7.1 surround sound passthrough, you will feel as though you're right in the middle of your game.

Figure 5: 7.1 Surround Sound Passthrough

### 5.3. Software Compatibility

The device is compatible with various streaming and recording software:

- AVerMedia RECentral 4
- OBS Studio
- Streamlabs OBS
- XSplit
- Other popular live-streaming software

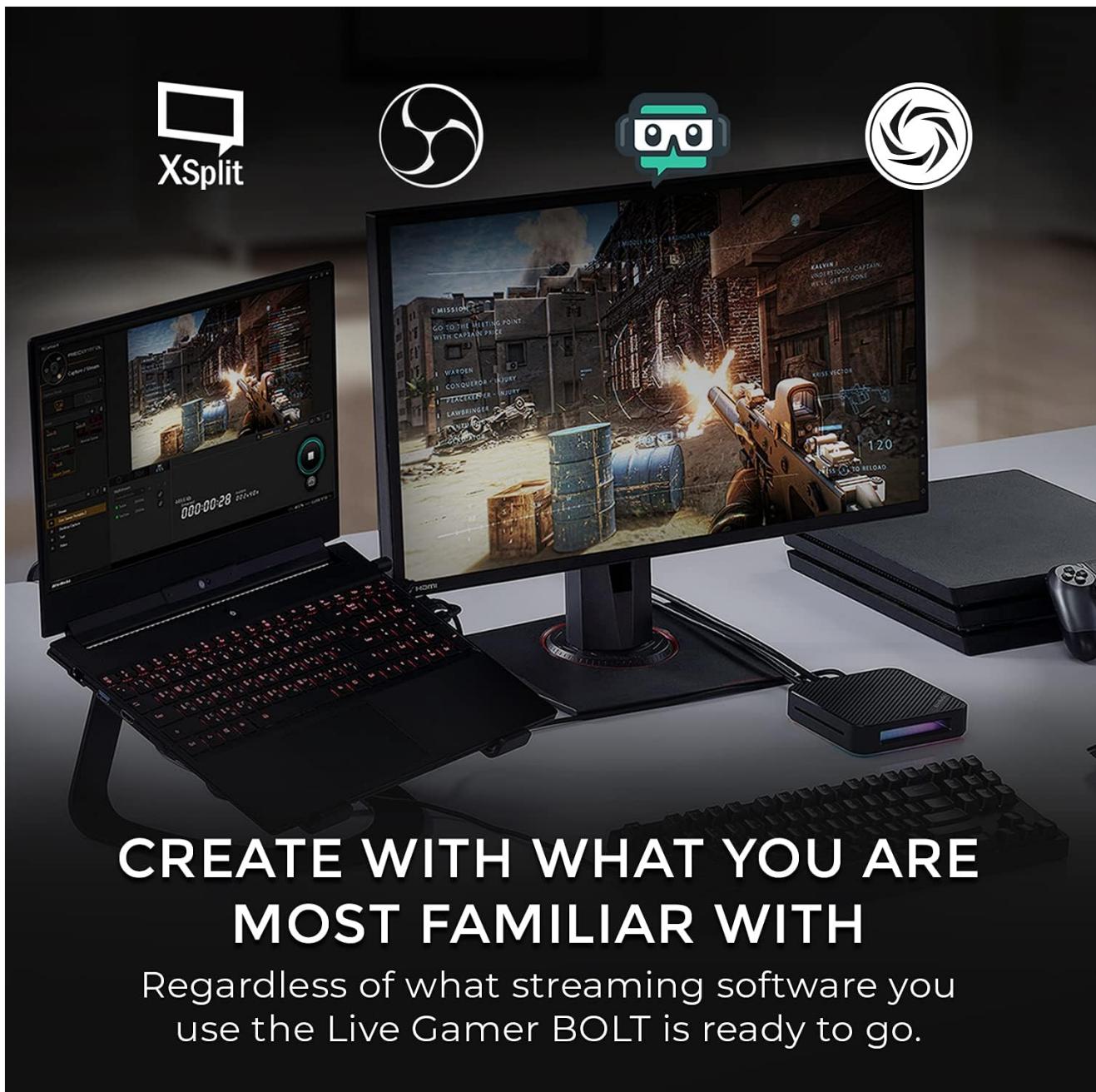


Figure 6: Compatible streaming software

#### 5.4. Official Product Video

Your browser does not support the video tag.

*Video 1: AVerMedia Live Gamer BOLT (GC555) Overview. This video provides a visual introduction to the features and capabilities of the Live Gamer Bolt.*

## 6. MAINTENANCE

To ensure the longevity and optimal performance of your Live Gamer Bolt, follow these general maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Avoid using liquid cleaners or abrasive materials.
- **Ventilation:** Ensure the device is placed in a well-ventilated area to prevent overheating. Do not block the ventilation openings.
- **Storage:** When not in use, store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Handle cables gently. Avoid sharp bends or excessive pulling that could damage the connectors or wiring.

## 7. TROUBLESHOOTING

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If you encounter issues with your Live Gamer Bolt, refer to the following common troubleshooting steps:

- **Device Not Detected / No Signal:**

- Ensure the Thunderbolt 3 cable is securely connected to a **native Thunderbolt 3 port** on your computer. The device is not compatible with standard USB-C ports.
- Verify that the HDMI IN and HDMI OUT cables are correctly connected and securely seated.
- Check your computer's Device Manager (Windows) or System Information (macOS) to confirm the device is recognized.
- Update your computer's Thunderbolt 3 drivers and the Live Gamer Bolt's firmware/drivers from the AVerMedia website.

- **No HDR Recording on Mac:**

- HDR recording is not supported on macOS platforms with the Live Gamer Bolt. This is a known limitation.

- **Incompatibility with Apple M1/M2 CPUs:**

- The Live Gamer Bolt is not compatible with Apple Silicon (M1 or M2) platforms. Ensure you are using an Intel-based Mac that meets the system requirements.

- **HDR Issues with HDMI Switches/Matrices:**

- Some HDMI switches, matrices, or receivers may interfere with HDR signal passthrough, especially at higher chroma subsampling rates (e.g., 4K60Hz 4:4:4). Try connecting the console directly to the Live Gamer Bolt, bypassing intermediate devices, or adjust the output settings of your source device to a lower chroma subsampling if necessary.

- **HDCP Detection Issues:**

- If you encounter issues with HDCP (High-bandwidth Digital Content Protection) preventing capture, check the settings within AVerMedia RECentral 4. There may be an option to disable HDCP detection for certain scenarios.

- **Device Stops Working / Overheating / Fan Noise:**

- Ensure adequate ventilation around the device.
- If the device consistently stops working, overheats, or exhibits unusual fan noise, contact AVerMedia customer support for assistance. This may indicate a hardware issue.

## 8. SPECIFICATIONS

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Feature	Detail
Brand	AVerMedia
Model Number	GC555
Hardware Interface	Thunderbolt 3
Video Capture Resolution	Up to 4K60 HDR10 (passthrough), 1080p240fps (capture)
Operating System Compatibility	Windows 10/11, macOS 10.15+ (Intel-based only)
Recommended Uses	Video Recording, Live Streaming

Feature	Detail
Item Weight	1.45 pounds
Product Dimensions (LxWxH)	4.72 x 4.72 x 1.15 inches
Manufacturer	AVerMedia Technologies, Inc.

## 9. WARRANTY INFORMATION

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For detailed warranty information regarding your AVerMedia Live Gamer Bolt (GC555), please refer to the warranty card included in your product packaging or visit the official AVerMedia website. Warranty terms and conditions may vary by region and product.

## 10. SUPPORT

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If you require further assistance, technical support, or have questions not covered in this manual, please contact AVerMedia customer support through their official website or designated support channels. Ensure you have your product model number (GC555) and any relevant purchase information available when contacting support.