GC311G2

StreamLine MINI+

User Guide

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Introduction

This document is your Reviewer's Guide for the **StreamLine MINI+ (GC311G2)**. We have written this guide to provide you with the information you need to quickly and smoothly use the AVerMedia product.

After a quick introduction of the **StreamLine MINI+,** 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 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.

StreamLine MINI+ (GC311G2)

StreamLine MINI+ is a compact and beginner-friendly capture card designed to make high-quality streaming and recording easier than ever. Whether you're a gamer looking to **record and share your best plays**, **start to stream gameplay from consoles**, or **a creator going live with a camera**, StreamLine MINI+ gives you the solution to create smooth, professional-looking content without the steep learning curve.

Many first-time streamers and content creators struggle with complicated setups, confusing software, or poor image quality. StreamLine MINI+ was built to solve these problems. Just connect it with your console or camera, **plug in** to your computer, open our intuitive Streaming Center software, and **sing in** to your favorite streaming platforms. In just a few clicks, you're ready to go live or start recording with high-quality video—no tech expertise needed.

StreamLine MINI+ delivers smooth **1080p60 video capture** while letting you enjoy **4K60 gameplay** (pass-through) in real time. With **vibrant colors**, **crisp motion**, and **ultra-low latency**, your audience sees exactly what you see. No stutter, no delay—just clean, professional-looking footage. Whether you're streaming to one platform or many at once, this is the easiest way to start and stand out.

We also believe that creating great content shouldn't come at the planet's expense. That's why StreamLine MINI+ is **made using post-consumer recycled (PCR) materials**—giving plastic waste a second life, while helping you create yours.

AVerMedia

Key Features

- **Go Live in Minutes**

  Just plug in, sign in, and hit "Stream" button. StreamLine MINI+ and Streaming Center software makes it easy to broadcast your content to the world — no complicated setup, no thick manuals. (Please refer page13 -16 to get started)

- **One Setup, Multiple Platforms**

  Stream to YouTube, Twitch, Facebook, and more at the same time. Just link your accounts once in the Streaming Center, then select all prefered destinations to start your streaming. (Please refer page 15-16 for the steps)

- **Clearer Image, Richer Color**

  Your content deserves to look great. StreamLine MINI+ delivers vibrant colors, fluid motion, and more detail in every frame, even during fast-paced scenes – all with a stable performance.

- **Play in 4K60, Record in 1080p60**

  Capture full HD video for your audience while enjoying smooth 4K gameplay on your screen — no lag, no compromise.

- **Flexible Format Support**

  Whether you're recording and editing for YouTube content, streaming to Twitch, or saving clips for social media — choose the right format for your workflow.

  ✓ NV12 – Stable performance, Game Streaming, Genral Recording

  ✓ YUY2 – Better color accuracy, Professional editing, Live camera streaming

  ✓ MJPEG – Works on most system, Compatibility-foucused, Quick content sharing

- **Ultra-Low Latency, Real-Time Response**

  With the ultra-low latency performance, gameplay stays responsive and natural, even during live capture—avoiding input lag that could affect performance or experience.

- **Connects To Your World**

  Works across major HDMI devices, computers, streaming software, and platforms—making it easy to fit into any beginner and creator's setup with minimal effort.

- **Recycled Materials**

  The StreamLine MINI+ features an **outer shell made with 60% Post-Consumer Recycled (PCR) plastic**, combining innovative materials with reliable performance and reflecting a commitment to mindful resource use.

System Requirements

Windows® 10 / 11 or later
- **Desktop:** Intel® Core™ i5-6XXX / AMD Ryzen™ 3 XXX   or above + NVIDIA® GeForce® GTX 1060 / AMD RX5700 or above
- **Laptop:** Intel® Core™ i7-7700HQ + NVIDIA® GeForce® GTX 1050Ti or above
- 8 GB RAM recommended (Dual-channel)

macOS 14 / 15 or later
- Apple M1 or 3.6 GHz quad-core Intel Core i7
- Apple M1 or Radeon Pro 555 with 2 GB of VRAM
- 16 GB of 2400 MHz DDR4 memory

iPadOS 17 or later (Type-C port)

Technical Specifications

Interface	UBS 3.0 Type-C
Video Input & Output (Pass-Through)	HDMI 2.0
Audio Input & Output (Pass-Through)	HDMI 2.0
Max Pass-Through Resolution	2160p60 HDR,1440p144 HDR, 1080p240 HDR
Max Capture Resolution	1080p60
Supported Resolution (Video input)	2160p, 3440x1440p, 1440p, 2560x1080p, 1080p, 1080i, 720p, 576p, 480p
Video Format	YUY2 / NV12 / MJPEG
Supported AVerMedia Software	• AVerMedia Assist Central Pro • AVerMedia Streaming Center (Windows only) Firmware update tool
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.)
What's in the Box	• StreamLine MINI+ (GC311G2) • Type C to Type A Cable • Quick Start Guide

Note: Specifications are subject to change without prior notice. Please refer to our webpage for the latest details.

# Pass-through and Capture Resolution Chart

○: Can be captured in SDR

Output Capture Resolution	Input Pass-Through Resolution										
	4K60	4K30	1440p144	1440p120	1440p60	1080p240	1080p144	1080p120	1080p60	1080p30	720p60
1080p60	○	○	○	○	○	○	○	○	○		
1080p30	○	○	○	○	○	○	○	○	○	○	
720p60	○	○	○	○	○	○	○	○	○	○	○
720p30	○	○	○	○	○	○	○	○	○	○	○

Capture Capability Breakdown by Video Format

Capture Resolution	Video Format	Max Frame Rate
1920x1080	NV12	60/30
	YUY2	60/30
	MJPEG	60/30
1280x720	NV12	60/30
	YUY2	60/30
	MJPEG	60/30

Product Overview
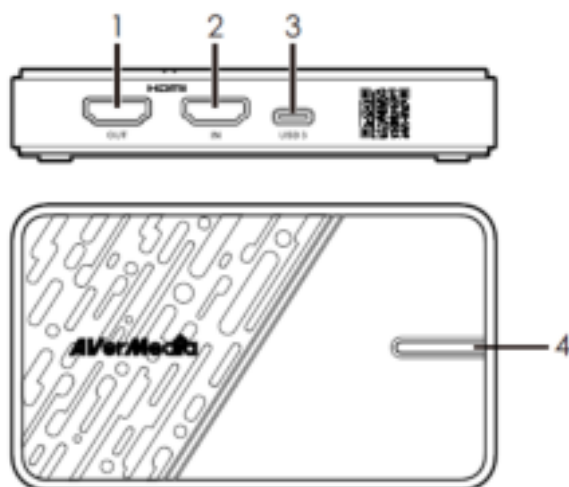
1	HDMI Output	3	USB 3.0 Type-C Port
2	HDMI Input	4	LED Indicator

LED Indications

Flashing Blue	Waiting Period (Approx 5 Sec)
Solid Blue	Ready
Flashing Blue	Streaming
Flashing Red	Recording / Disk Almost Full
Solid Red	Disk Full; Error: Device Anomaly
Flashing Green	Connected to USB 2.0

Installation

LED Indicator

LED Indicator

Display on your screen

Display | HDMI-OUT
SORTIE HDMI

Console
/PC

HDMI-IN
ENTRÉE HDMI

USB-C OUT
SORTIE USB-C

Streaming
PC/Laptop/iPad

**Play on your Console*,
PC, Phone, Tablet or
Camera**

**Stream on your PC /
Laptop / iPad**

*PS5 Pro, PS5, PS4 Pro, Xbox Series X/S,
Xbox One X, switch and more.
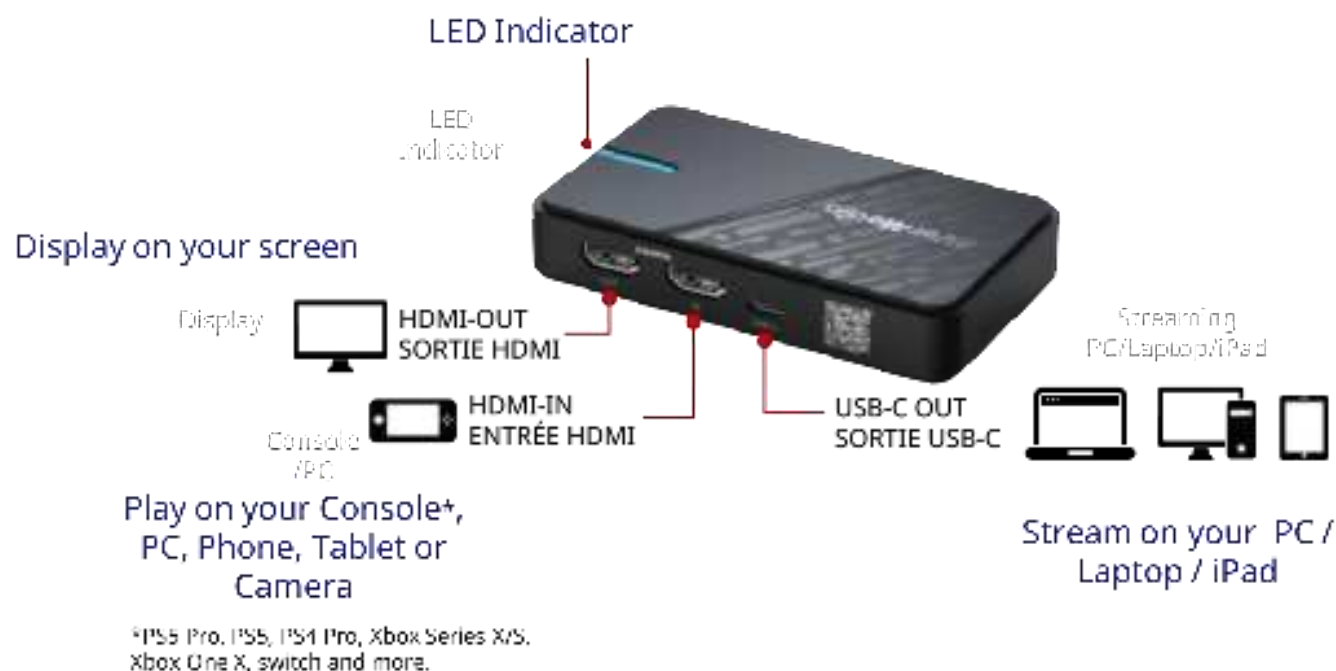
Streaming Center Software

Overview

Streaming Center is a powerful solution that provides a centralized platform for streaming devices such as capture cards, webcams, and microphones through an intuitive interface. Users can seamlessly manage multiple video and audio sources, customize scenes, adjust audio settings and fine-tune production elements before going live using Streaming Center's advanced layout editing tools.

Installation

Visit your AVerMedia product webpage and [download Streaming Center](#). Install it by following the step-by-step instructions. Once installed, you'll be greeted with an interface as shown below.
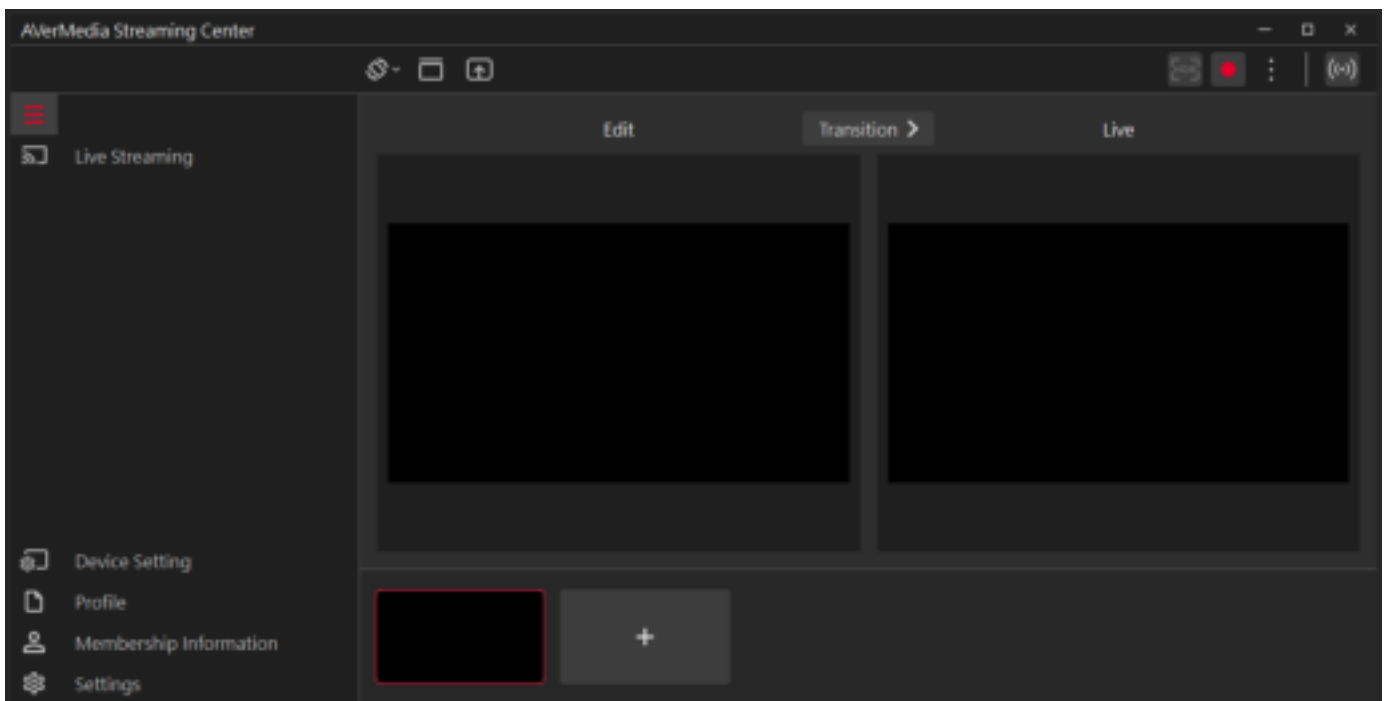
Main UI

1. Function Bar: Expand it by clicking the 3-line icon. This section include the essential functions: Live Streaming. It also has other functions that allow quick access to Device Setting(Connect to Assist Central Pro), Save Folder, Profile, and Settings.

2. Scene Device Panel: This area lets users add devices to the aforementioned three essential functions for each scene. For example, when a scene (from section 6) is selected, you can add cameras, capture cards to Video Source, and microphones to Audio Mixer in this panel.

3. This section includes functions to change screen orientation, switch between Director Mode and Easy Mode, and open the Image Detection Preview Window.

4. Enable/Disable HDR Recording mode, Record, and Start/Stop Streaming.

5. Left: Edit screen. Right: Live screen. Click Transition to switch whatever is currently in the Edit screen to the Live screen.

6. Scene panel: You can add/delete scenes here or select a scene to be edited in the Edit screen.

Getting Started

Upon first launch, **Streaming Center** will automatically detect your connected AVerMedia capture device and display the video feed—no manual setup required.

➢ **Make sure all hardware is properly connected**:

- Your game console or camera is connected to the capture card via HDMI
- The capture card is connected to your computer via USB-C

This auto-detection occurs only during the initial setup. On future launches, Streaming Center will automatically recall your last-used settings.

To manually add a video source from camera/ capture card at any time, click the **+** icon next to **Video Source** in the control panel.
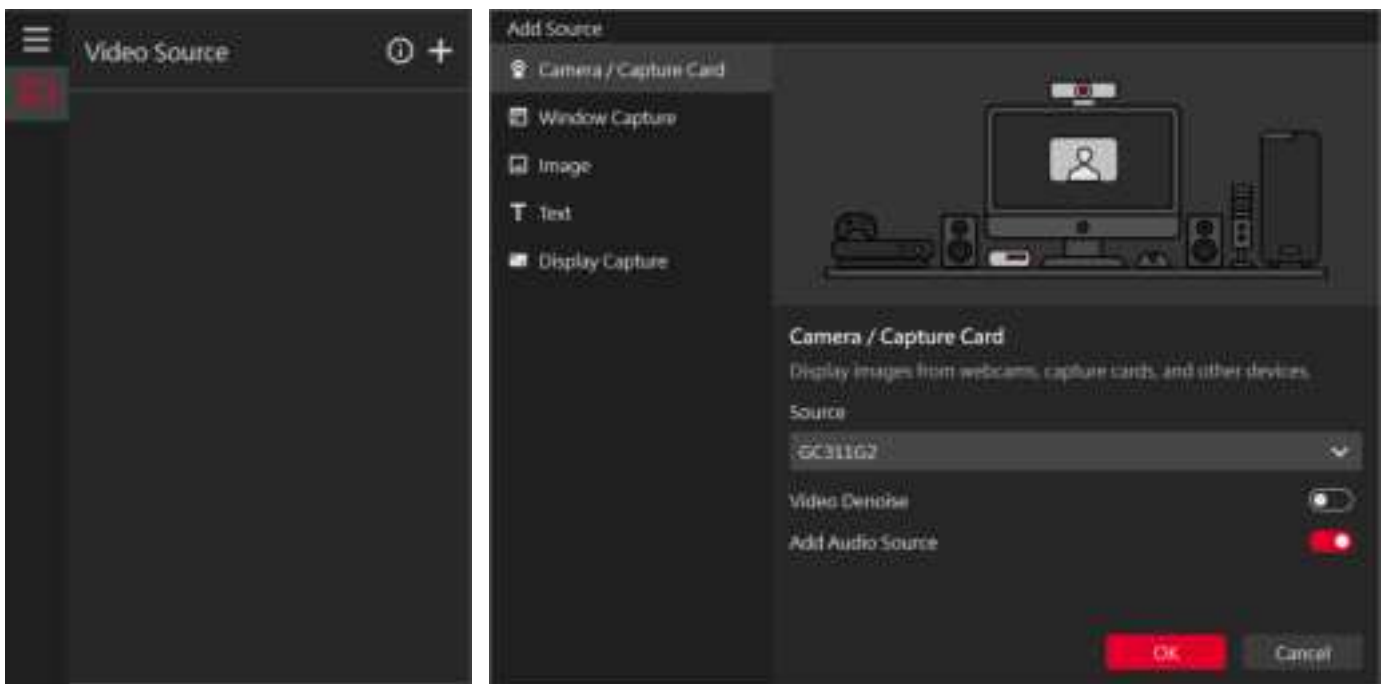
Upon connecting a USB microphone, it should automatically be set as the default audio input. If it doesn't appear, click the 3-line icon, select "Edit Source", and manually choose the microphone. To monitor its sound, enable "Monitor Sound."
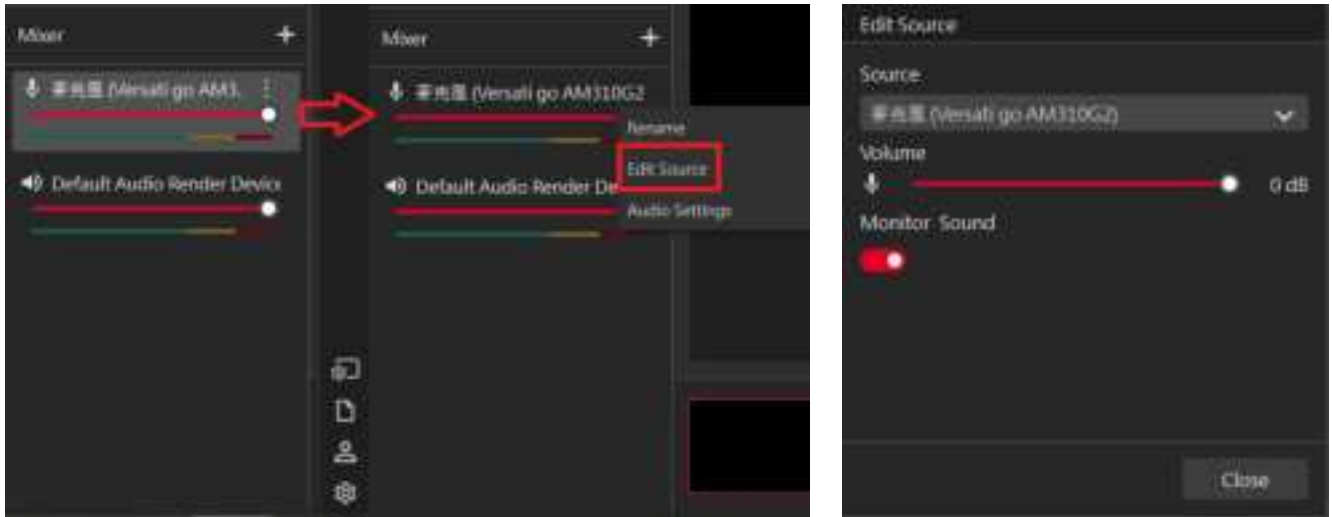
Audio Tuning (For microphones or webcams with built-in mic)

Click the "Audio Setting" to access multiple audio tuning features including AI noise reduction, EQ adjustments, and output gain control. It also supports virtual microphone output for third-party software to use the adjusted audio.
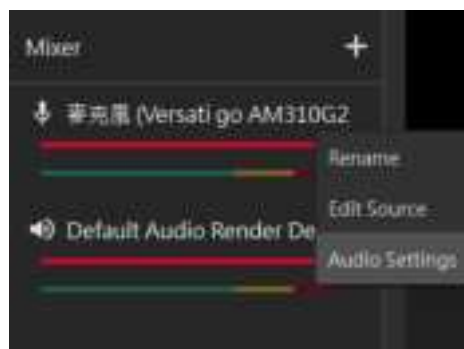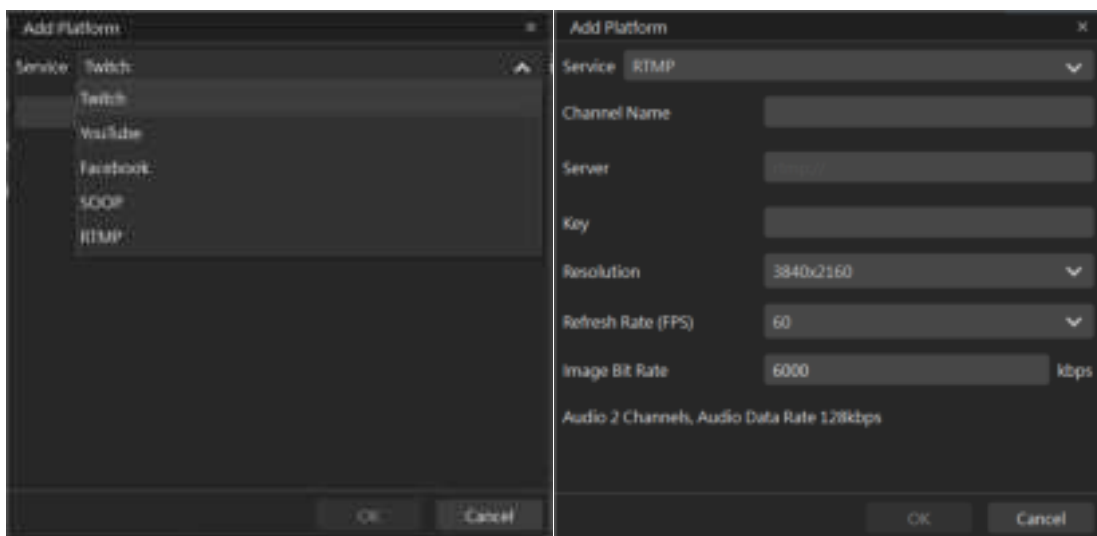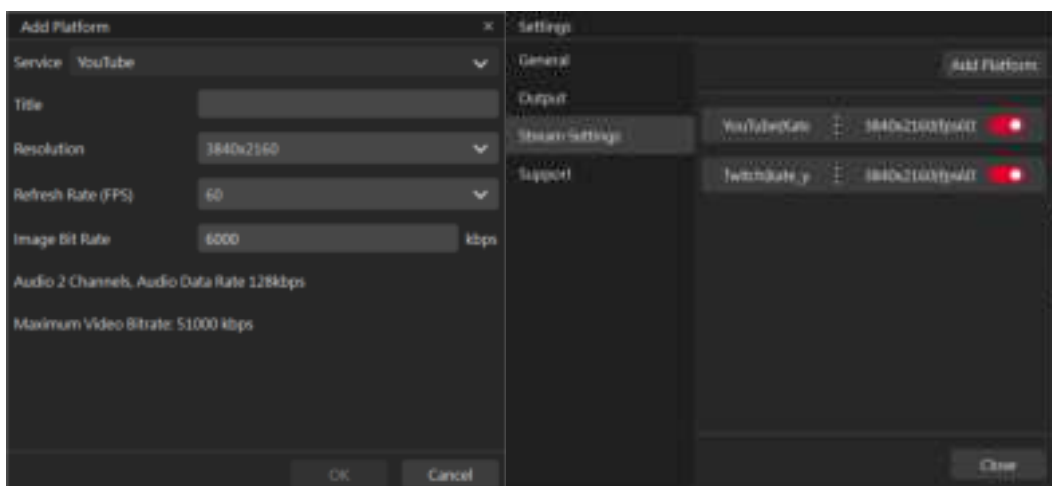
Start Live Streaming

Before going live, follow the instruction to connect your preferred streaming platforms:

1. **Add a Streaming Platform**

   - Open **Settings**, then go to **Stream Settings**.

   - Click **Add Platform**.

   - Choose a supported platform: Twitch, YouTube, Facebook, SOOP, or select **RTMP** to enter your own stream URL and key to add more platforms.

   - Follow the on-screen instructions to sign in. Once connected, the platform will appear in your list.

   - You can customize your platform name. Resolutions, frame rate(FPS), and bitrate will be automatically optimized, but you can adjust them if needed.

2. **Start Streaming**

- Select the platform(s) you want to stream to.

- Return to the main screen and click the stream button to start streaming.

To stream to multiple platforms at the same time:

Connect multiple platforms using the same steps, and select all platforms you want to stream to, then click the stream button. The stream will start on all selected platforms simultaneously.
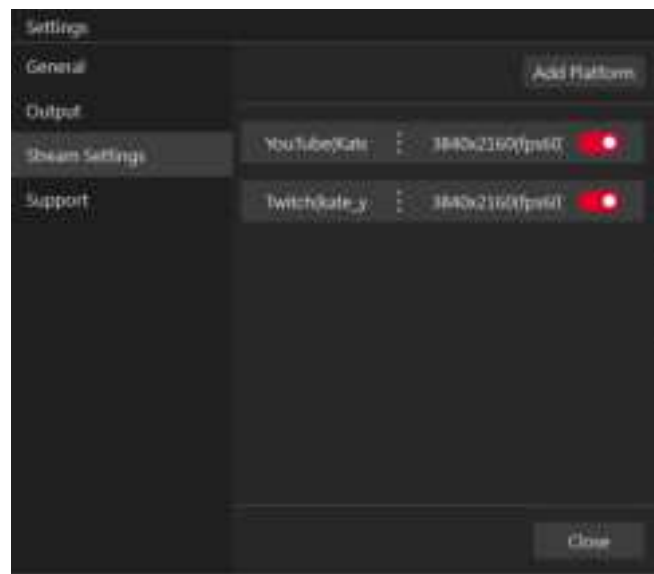
Assist Central Pro Software

[Assist Central Pro](#) is an unified software that consolidates and elevates the functionalities of AVerMedia Assist Central and Gaming Utility into a single, comprehensive platform designed for efficiency, usability, and scalability.

It allows you to manage your AVerMedia **capture card configuration** by showing device information, controlling device settings, issue reporting, and more.


It also provides **direct download for Streaming Center** and helps **detect the latest drivers, firmware, and software updates** available for your connected AVerMedia device.

By **integrating with Streaming Center**, Assist Central Pro ensures faster and more efficient connections for updates, configure settings, and issue reporting.

➢ When accessing the "Device Settings" in the Streaming Center, it will automatically open the Assist Central Pro for your device.
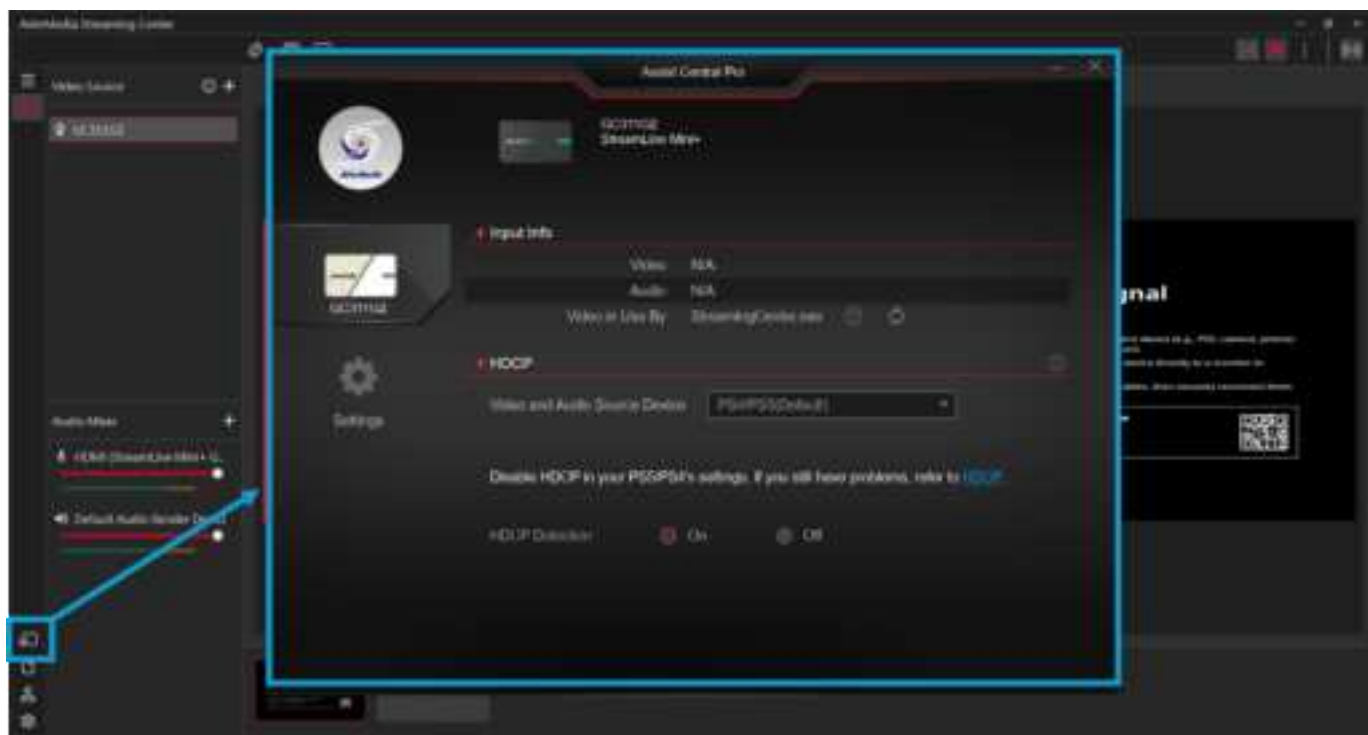
Contact Us

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.

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