AVerMedia

Premium GO Series

GC313

CORE GO

User's Guide

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Introduction

This document is your User's Guide for the CORE GO (GC313). 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 CORE GO and their target audience, 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.

CORE GO (GC313)

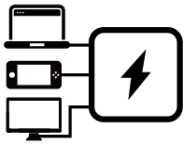
The **Premium Go Series** is a brand-new product line featuring three versatile products, each offering different levels of functionality. The **CORE GO GC313** allows users to display their video signal on a monitor at up to 4K60 via HDMI while charging their device. The Premium Go Series provides exceptional mobility and compatibility for various handheld devices, enhancing the user experience in multiple scenarios.

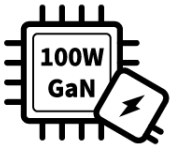
The CORE GO GC313 Charging Dock combines the benefits of a connectivity hub and an AC charger into one convenient device. With two USB-C ports, a USB Type-A 2.0 port, and an HDMI port, it enables users to charge their device while playing on a big screen simultaneously.

The CORE GO GC313 is more than just a charger — it's your complete solution for power and data needs. With triple-device charging and seamless data transfer, it keeps you connected and powered up wherever you are. Whether at home, the office, or on the move, CORE GO delivers fast charging and smooth connectivity to external displays, making it ideal for travel, presentations, and enjoying media on larger screens. Even without being plugged into an electrical outlet, the GC313 functions as a hub, offering data transfer and display support.

The CORE GO GC313 focuses on providing stable power for handheld gaming devices during extended gameplay sessions, addressing the needs of gamers who value uninterrupted gaming experiences.

Key Features

 **PD3.0 Quick Charge**	· **Fast and Efficient:** With PD3.0 Quick Charge, your devices get powered up rapidly, saving you valuable time. · **Versatile Compatibility:** It supports a wide range of devices, ensuring your gadgets are always ready to go. · **Advanced Technology:** The PD3.0 standard guarantees a safe and stable charging experience.
 **Triple-Device Charging**	· **Multi-Device Support:** Charge up to three devices simultaneously, maximizing convenience and efficiency. · **Compact and Powerful:** This feature eliminates the need for multiple chargers, saving space and reducing clutter. · **Universal Compatibility:** It works seamlessly with a variety of devices, from smartphones to tablets and laptops.
 **Overload Protection**	· **Enhanced Safety:** Protects your devices from electrical overloads, ensuring a safe charging environment. · **Smart Monitoring:** Automatically detects and prevents overcurrent and overvoltage conditions. · **Peace of Mind:** Safeguards your valuable electronics against potential damage.
 **Fast Charging**	· **Quick Power-Up:** Delivers rapid charging speeds to minimize downtime and keep you connected. · **Optimized Efficiency:** Intelligent charging technology ensures your devices charge faster than ever. · **Universal Support:** Compatible with a wide array of devices for consistent, fast charging performance.

 **100W GaN Charger**	· **High Power Output:** Provides up to 100W of power for fast and efficient charging of high-demand devices. · **GaN Technology:** Uses Gallium Nitride for improved efficiency and reduced heat generation. · **Compact Design:** Despite its high power output, it remains small and portable for easy transport.
 **HDMI 4K60 Display**	· **Ultra-High Definition:** Supports 4K resolution at 60Hz for stunning visual clarity. · **Seamless Connectivity:** Easily connects your devices to external displays, enhancing your viewing experience. · **Versatile Usage:** Ideal for presentations, gaming, and entertainment with crisp and clear visuals.
 **Charging, Displaying, Connecting**	· **All-in-One Solution:** Combines charging, video output, and connectivity in a single, convenient device. · **Streamlined Functionality:** Simplifies your setup by reducing the number of cables and adapters needed. · **Enhanced Productivity:** Perfect for multitasking, ensuring you stay productive and connected.

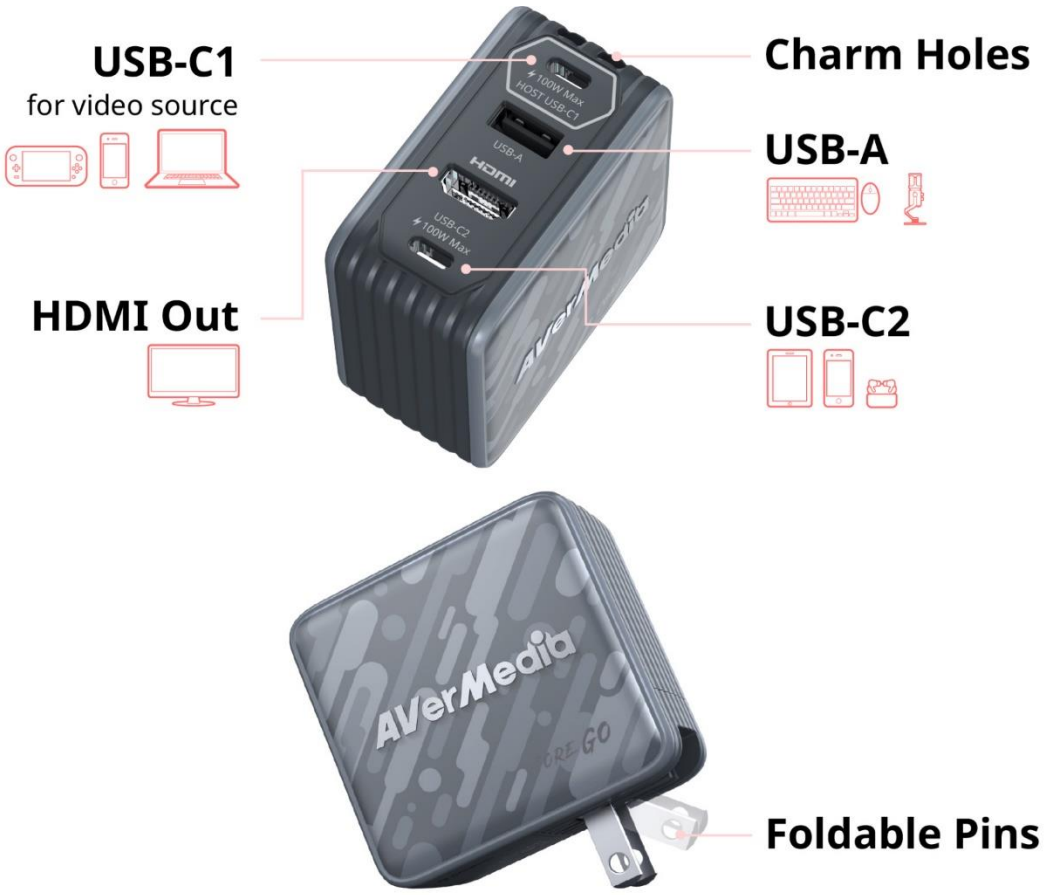
*Wall chargers with GaN technology offer faster charging times and greater power efficiency due to fewer electrical components and improved heat performance.

Specifications

Power	**Usage Type:** Wall
	AC Pin: US (foldable pins)
	Input: AC 100-240V~50/60Hz
	Output: USB-C1/C2: 5.0V ⎓ 3.0A, 9.0V ⎓ 3.0A, 12.0V ⎓ 3.0A, 15.0V ⎓ 3.0A, 20.0V ⎓ 3.0A, 20.0V ⎓ 5A (Max 100W) USB-A: 5.0V ⎓ 1.0A (Max 5W) USB-C1+USB-C2: Max 90W USB-C1+USB-A: Max 105W USB-C2+USB-A: Max 105W USB-C1+USB-C2+USB-A: Max 95W
Fast Charging Protocol	PD3.0
Overload Protection	Overvoltage protection (OVP), Over Current Protection (OCP), Over Power Protection (OPP), Over Temperature Protection (OTP), Short Circuit Protection (SCP)
Interfaces	1 x HDMI 2.0 1 x USB-C 3.2 Gen 1*; 1 x USB-C 2.0 1 x USB-A 2.0 *C1 DisplayPort 1.4 supports up to 4Kp60 pass-through. *Theoretical data tranfer rate: • USB 3.2 Gen 1: 5Gbps • USB 2.0: 480Mbps
Max. Pass-Through Resolution	4K60
Dimensions (W x D x H)	66 x 36.6 x 62 mm (2.60 x 1.44 x 2.44 in.)
What's in the Box	CORE GO (GC313) USB Type-C to Type-C Braided Cable (2 m/ 6.56 ft.) Changeable AC Plug Quick Start Guide *Caution: Please use the supplied cable for the source port. *The accessories may vary slightly depending on the country of purchase.

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

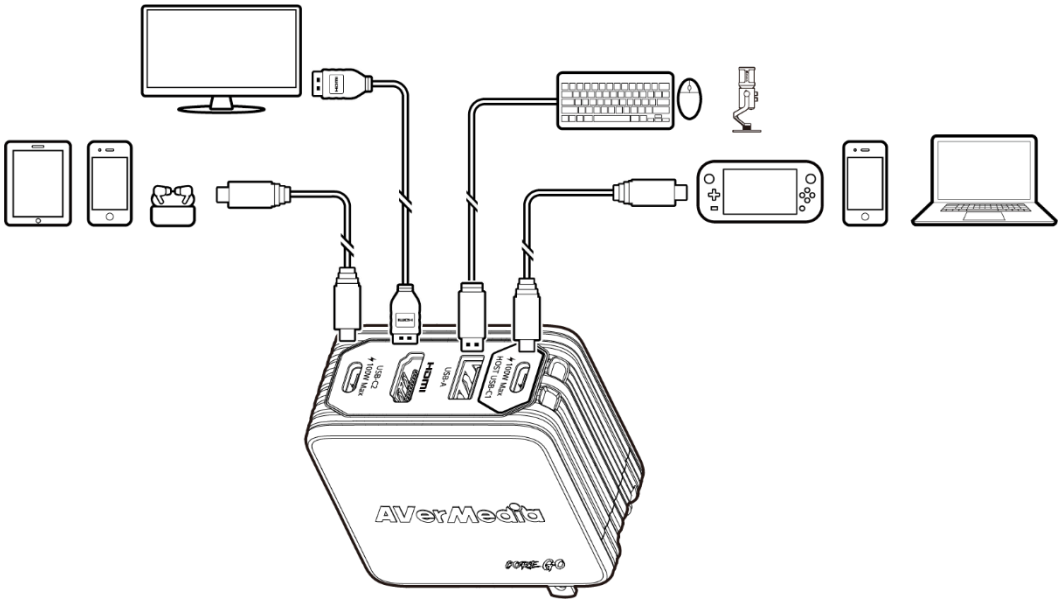
Product Overview

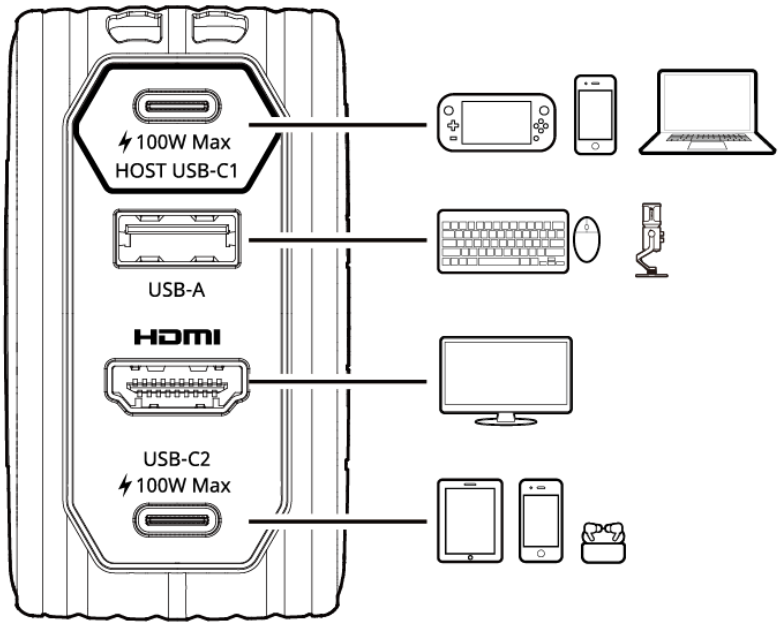


*GC313 operates as a hub with data transfer and display capabilities even when not connected to an electrical outlet.

Note: The USB-A, HDMI Out, and USB-C2 functionality of the GC313 works only with devices connected to the video source through the USB-C1 port. Additionally, the USB-A, USB-C1, and USB-C2 ports support charging.

Connection





Video Source

TV/Monitor

Power Allocation

		1 Port		2 Ports		3 Ports	
USB-C 1	100W	--	--	45W	90W	--	45W
USB-C 2	--	100W	--	45W	--	90W	45W
USB-A	--	--	5W	--	5W	5W	5W

Single-port charging

Two-port charging

Three-port charging

Assist Central Pro

AVerMedia Assist Central Pro is a handy tool that helps users obtain their device's information and adjust its settings.

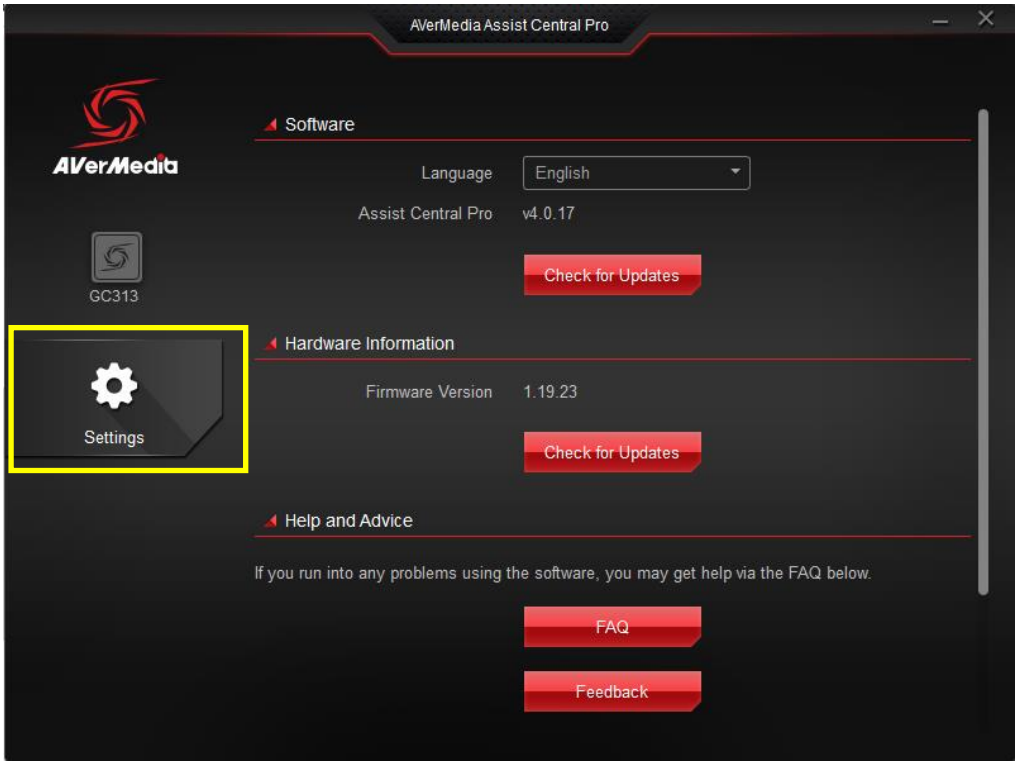
Installation & Device Information

Visit your device's webpage and download Assist Central Pro. Install it by following the step-by-step instructions.

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

Located near the upper left of the UI, this function provides information about your device.

Settings



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

Help and Advice

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.

Download Assist Central Pro

Windows:
https://storage.avermedia.com/web_release_www/AssistCentralPro/AssistCentralPro_v4.0.73-installer.exe

macOS:
https://storage.avermedia.com/web_release_www/AssistCentralPro/AssistCentralPro_v4.0.73.zip

Firmware Update Guideline

The purpose of this firmware update is to ensure compatibility with **Switch 2**.

Note: Before updating the GC313 firmware, please disconnect the AC power. This step allows the device to update more efficiently and helps improve the overall success rate of the process.

Pre-Update Preparation

- **Unplug the GC313 from the power outlet.**
- Use the USB-C cable included with the GC313 to connect the C1 port of the GC313 to a USB-C port on your computer (USB 3.2 Gen 1 or higher required).

Firmware Update

- Update Tool Download: https://www.avermedia.com/product-detail/charging-dock-GC313#download
- Launch the firmware update tool, and follow the on-screen instructions to complete the update.
- After the update is complete, disconnect all Type-C devices to ensure the upgrade takes effect.

Post-Update Connection

1. Plug the GC313 back into the power outlet.
2. Use an HDMI cable to connect the GC313 to your TV or monitor (make sure the display is powered on).
3. Use the included USB-C cable to connect your video output device to the C1 port of the GC313.
4. If you're using a Switch 2, connect it to the Type-C port on the bottom of the Switch 2.
   - If you're using a Switch or Switch 2, the screen will go black, indicating it has entered Dock mode.
5. When the video appears on the TV or monitor, the connection is complete.

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

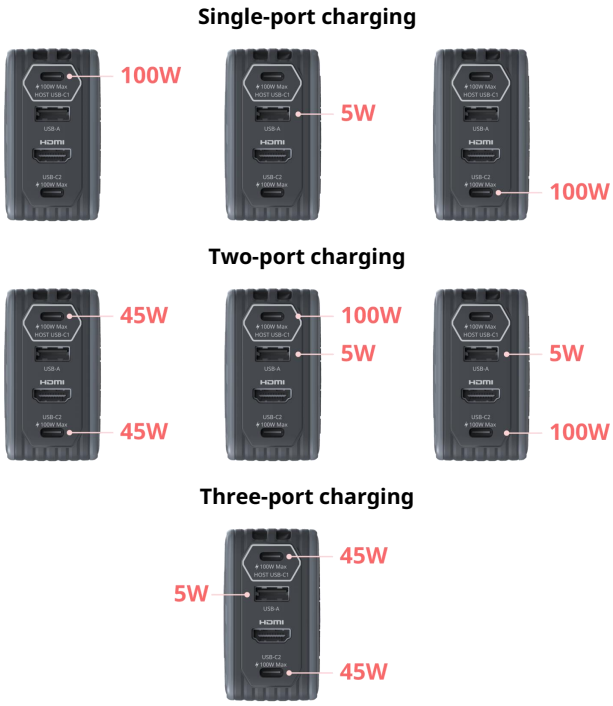
Appendix – F.A.Q.

Q: Can I fast charge my Notebook/Laptop with the GC313?

A: Yes, you can charge your laptop or notebook using the GC313. For optimal performance, ensure you are using the C1 port, which delivers up to 100W of power when used individually.

When using a USB-C charger like the GC313, consider your laptop's specific power needs, including voltage and current input. Using a charger that does not meet these requirements can lead to slow charging, reduced performance, or even potential damage. Ensure that 100W is sufficient to meet your laptop's power requirements. For best results, refer to your laptop's user manual, check the power specifications on its label, or consult our compatibility list.

1. Please also ensure that the charger's output power (100W) is sufficient to support all connected devices to avoid overload or overheating. Refer to the charging distribution settings, please refer to below charging allocation:



2. Always use charging cables capable of handling 5A or above. (Notes: The type c to c cable comes along GC313 box meet this requirement)
3. Check whether the charger and devices support compatible fast charging protocols. GC313 only supports the USB PD3.0 (Power Delivery 3.0).

   Notes: there are some other protocol like: Qualcomm Quick Charge (QC), Huawei SuperCharge, Samsung Adaptive Fast Charging (AFC), OnePlus Warp Charge, Mi TurboCharge (Xiaomi), Super VOOC (OPPO)...etc

Q: Why I'm I shown a Slow Charge warning when plugging my Laptop to the GC313?

A: If you encounter this warning, it's likely due to one of two reasons:

1. **Another Type-C device is connected to the GC313** – For example, if you've connected a phone, tablet, or handheld console alongside your laptop, the GC313 will switch to dual-port charging mode. In this mode, the 100W output is split equally between the two Type-C ports, providing 45W per port. If your laptop requires more than 45W to charge regularly, this reduced power output can trigger a slow charge warning.
2. **Power requirements exceed 100W** – Even if you're using the single 100W port, your laptop might require more than 100W for charging and optimal performance. To avoid this, check your laptop's specific power needs to ensure the GC313 is sufficient for your device.

   Always verify your laptop's individual power requirements by consulting the user manual or the manufacturer's specifications. This will help determine if the GC313 is compatible with your device.
3. Check whether the charger and devices support compatible fast charging protocols. GC313 only supports the USB PD3.0 (Power Delivery 3.0).

Notes: there are some other protocol like: Qualcomm Quick Charge (QC), Huawei SuperCharge, Samsung Adaptive Fast Charging (AFC), OnePlus Warp Charge, Mi TurboCharge (Xiaomi), Super VOOC (OPPO)...etc

Q: Why is my computer unable to recognize GC313?

A:

1. If GC313 is not detected by Assist Central Pro, ensure that you are using the provided C-to-C cable to connect the C1 port of GC313 to the Type-C port on your computer.
   Notes: It is recommended to use the C to C cable included with the GC313 and connect it to the C port on the computer. The C to A cable lacks charging and HDMI functionality. As a result, customers may experience issues with the GC313 not being recognized by Assist Central PRO when using the C to A cable.
2. If the device displays a different name, please contact us for assistance.

Q: Why is there no display even after connecting my GC313?

A:

1. Check Signal Source Compatibility: Ensure that the Type-C port of your signal source device supports DP1.2 output (or Thunderbolt 3 or higher). Use the C-to-C cable included in the GC313 package to connect your signal source to the USB-C1 port of the GC313. (For example, devices like iPhone 15 Pro Max and Samsung S24U are supported.)
2. Reconnect the setup: If the above steps are verified and the issue persists, disconnect and reconnect the GC313 and then power it on again.

Q: Why is there no sound on the TV connected to the HDMI output?

A: Check if the signal source device connected to the C1 port has sound output enabled.

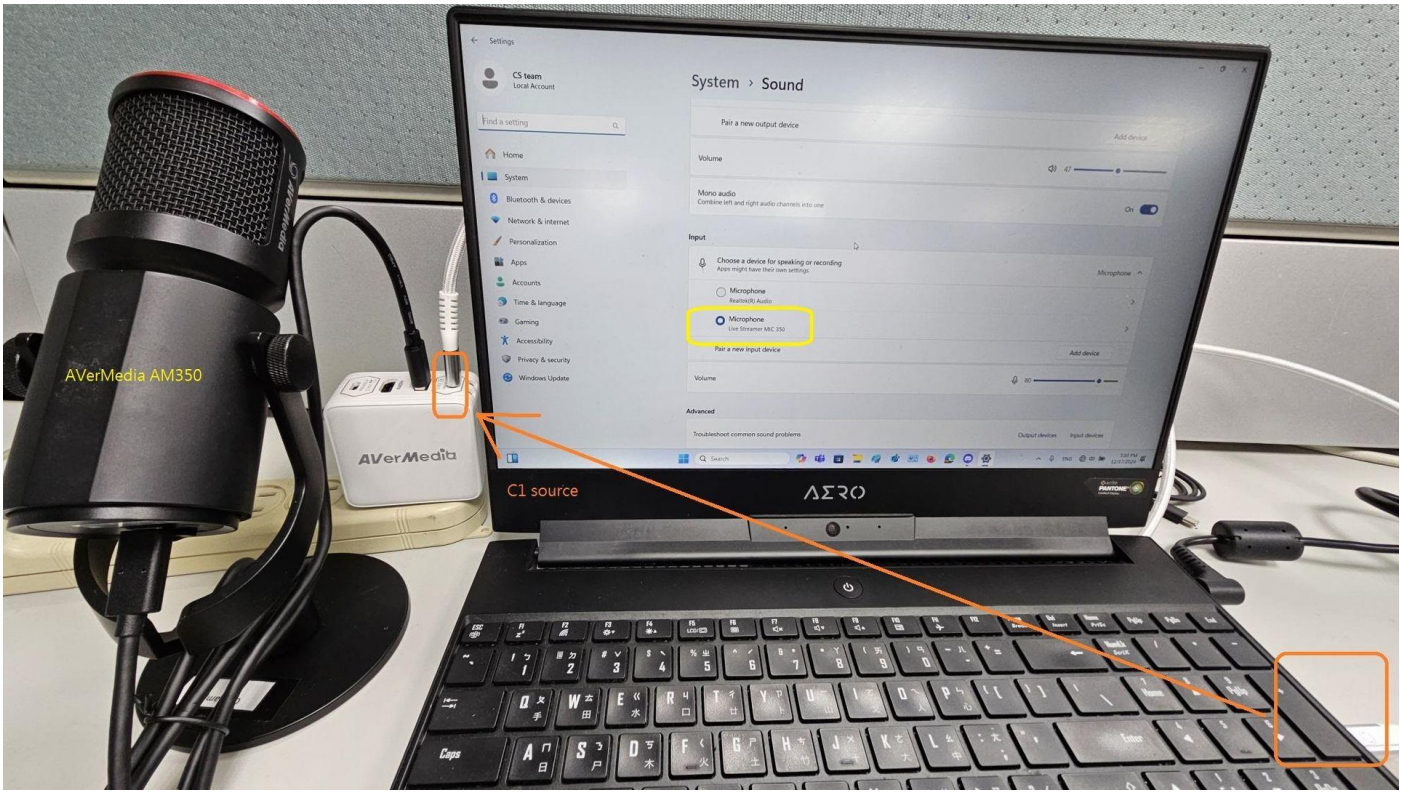
Q: Why is there no sound from the headphones when connected to the USB-A port?

A: Ensure the signal source is connected to the C1 port, and the audio output from the signal source is set to the headphone device.

Q: How do I set up a microphone connected to the USB-A port for the GC313/GC313Pro?

A: For the GC313/GC313Pro, the microphone connected to the **A port** is only functional with the signal source connected to the **C1 port**.

For example, if a **Windows device** (e.g., laptop) is connected to the **C1 port**, the microphone will be recognized as a **Sound Input Device** on that PC.



Important Notes:

If you are using the **GC313Pro**, please note:

- The microphone is only workable for the signal source connected to the **C1 port**.
- It **cannot** be used as microphone for the computer connected to the **C2 port**.

GC313 vs. GC313Pro

	CORE GO GC313 (Charging Dock)	ELITE GO GC313Pro (Charging Capture)
Primary Function	Charging Dock with Display Output	Charging Dock with Display & Video Capture
100W GaN Wall Charger	V	V
Multiple Devices Charging	Yes, up to 3 USB devices	Yes, up to 3 USB devices
Fast Charging	V	V
Overload Protection	V	V
HDMI 4K60 Display	V	V
Video Capture	**X**	**1080p60**
USB Ports	1 x USB-C (3.2 Gen 1), 1 x USB-C (2.0), 1 x USB-A	2 x USB-C (3.2 Gen 1), 1 x USB-A
Special Features	Overload Protection, PD 3.0 Fast Charging	Overload Protection, PD 3.0 Fast Charging, Full HD Video Capture
Use Cases	Ideal for charging and connecting multiple devices, including those that require high-speed charging. Its compact size makes it an excellent alternative to bulkier gaming console docks, offering a sleek solution for connecting to larger displays.	Perfect for content creators who need to capture, stream, or record video from multiple Type-C devices. It supports passthrough for smartphones (both iOS and Android), tablets, handheld gaming consoles, and other Type-C devices with Display Alt Mode, making it highly versatile for mobile gaming and productivity setups.