



Quick Start Guide

3-Port 4K USB-C and DisplayPort KVM
Switch with Power Delivery

GCS1953

PART NO. Q1657

Package Contents

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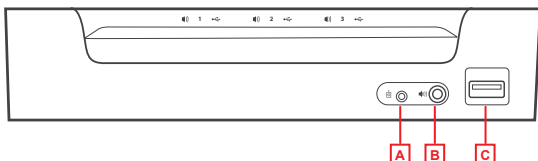
- 1 x 3-Port USB-C and DisplayPort KVM Switch with Audio
- 2 x DisplayPort Cables
- 2 x USB Type-A to Type-B Cables
- 1 x USB Type-C Cable
- 3 x 3.5mm Audio Cables
- 1 x 6Ft. Remote Port Selector
- 1 x Power Adapter
- 1 x Quick Start Guide
- 1 x Warranty Card

Note: When utilizing the Power Delivery 3.0 feature with a compatible Type C Laptop, please connect the included power adapter.

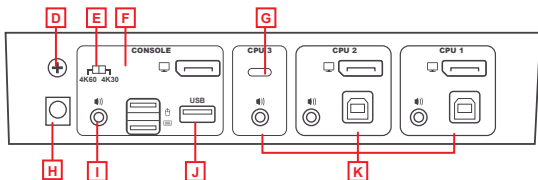
System Requirements

- DisplayPort or USB-C ports
- USB-A ports
- 3.5mm audio ports (optional)

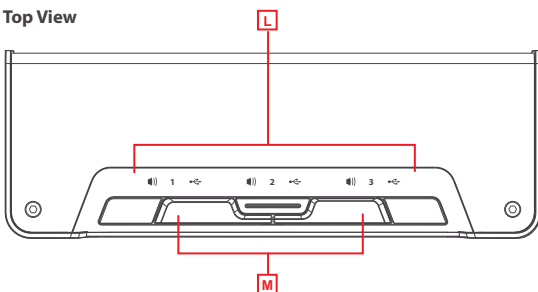
Front View



Rear View



Top View



- | | |
|----------------------------------|----------------------------------|
| A. Remote Port Selector Jack | H. Power Jack |
| B. Audio Jack | I. Audio Jack |
| C. USB 3.1 Gen 1 Peripheral Port | J. USB 3.1 Gen 1 Peripheral Port |
| D. Grounding Terminal | K. KVM Ports Sections |
| E. 4K Resolution Switch | L. LED Status Panel |
| F. Console Ports Section | M. Port Selection Pushbuttons |
| G. USB-C Port | |

Hardware Installation

1. Ground the GCS1953 by connecting one end of a grounding wire to the Grounding Terminal and the other end to a suitable grounded object.

Note: Do not omit this step. Proper grounding helps to prevent damage to the unit from power surges or static electricity.

2. Plug your USB keyboard and USB mouse into the USB console ports from the Console Ports Section located on the unit's rear panel.
3. Plug your monitor into the DisplayPort console port from the Console Ports Section located on the unit's rear panel and power on the monitor.
4. Plug your speakers into the Audio Jacks located on the unit's front and rear panel. The speakers plugged into the front panel have priority over those plugged into the rear panel.
5. Using the DisplayPort cable, plug the DisplayPort connector into any available DisplayPort port on the KVM Ports Section of the switch (CPU 1 and CPU 2), then plug the USB 3.0 cable and audio cable into their corresponding ports.

Note: Verify that all the connectors are in the same KVM Ports Section (all in CPU 1, all in CPU 2).

The unit can be bus-powered by the connected KVM sources via USB ports. See Powering the Unit.

6. At the other end of the cables from step 5, plug the DisplayPort cable, USB 3.0 cable, and audio cable into their respective ports on the computer. Repeat steps 5, and 6 for other PC systems you are installing.
7. Using the USB-C cable, plug the USB-C connector into the USB-C port on the KVM Ports Section of the switch (CPU 3), then plug the audio cable into its corresponding port.
8. At the other end of the cables from step 7, plug the USB-C cable and audio cable into their respective ports on the USB-C device.

Note: For video output to work through a USB-C port, the device must support DP Alt Mode.

9. Switch the 4K Resolution Switch to set a 4K resolution between 4K60 and 4K30 for USB-C device connected to CPU 3.

When the switch is set to 4K60, the CPU 3 provides 4K @ 60Hz resolution and USB 2.0 data transfer rates.

When the switch is set to 4K30, the CPU 3 provides 4K @ 30Hz resolution and USB 3.1 Gen1 data transfer rates.

10. (Optional) Plug your USB peripherals into the front or rear USB 3.1 Gen 1 Peripheral Ports.

- 11.(Optional) If you choose to use the remote port selector, plug its cable into the Remote Port Selector Jack, located on the unit's front panel.
- 12.Plug a power adapter into an AC power source, then plug the power adapter cable into the switch's Power Jack.

Note: The unit can be bus-powered by the connected KVM sources via USB ports. See **Powering the Unit**.

- 13.Power on the computers and USB-C device.

Note: To ensure reliable operation, and protect against overheating, never cover the top of GCS1953.

Powering the Unit

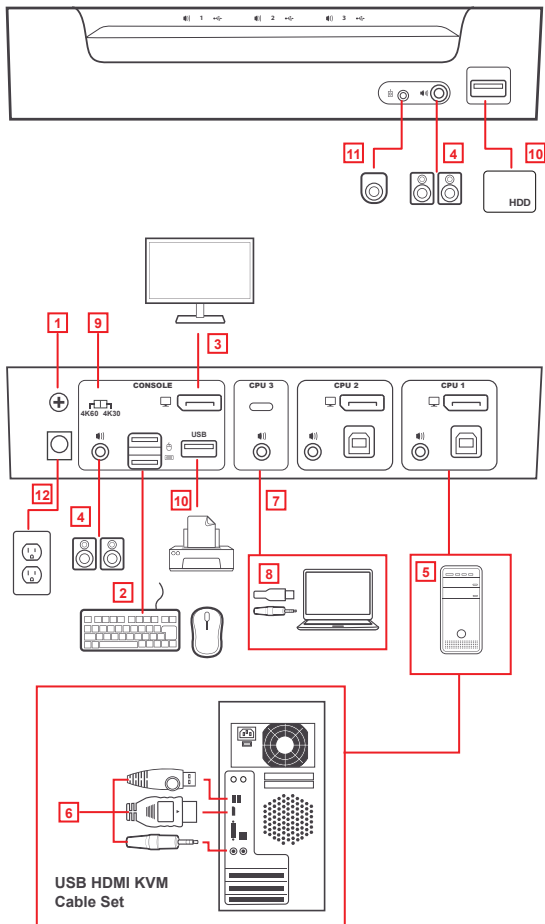
It is strongly recommended that you connect the power adapter to the GCS1953. A fully powered unit allows you to have the keyboard, mouse, and USB peripherals fully operational.

If you do not connect the power adapter, please see the table below for the different scenarios and features you will have available at the time.

Power Sources	Power Devices and Functions
2 x PC ¹	Keyboard, Video, and Mouse.
2 USB-C Device ²	Keyboard, Video, Mouse, and USB Peripherals.
2 x PC 1 x USB-C Device ²	
Power Adapter ³	Keyboard, Video, Mouse, USB Peripherals, and USB-C device charging.

Note:

1. Connecting at least two USB-B ports to KVM sources (e.g. PC) may allow normal operation of the keyboard, mouse, and monitor.
2. If using the GCS1953 without the power adapter, please connect the Type-C device to a power source of it's own.



Operation

There are four convenient methods to switch between the computers: Manual – by pressing the port selection pushbuttons on the front panel, Mouse – by clicking the scroll wheel of the mouse, Hotkey – by entering combinations on the keyboard, and Remote Port Selector – by pressing the remote port selector button.

Hotkey Setting Mode (HSM)

Hotkey Setting Mode is used to set functions on the switch, invoke HSM and then press a key in the table below.

Follow the steps below to invoke HSM and perform a hotkey function.

1. Press and hold down the [Num Lock] key.
2. Press and release the [-] key.
3. Release the [Num Lock] key.
4. Press the hotkey to perform the desired function. Refer to the table below for the function.

Key	Function
[F1]	Sets the keyboard and mouse to SPC mode so that it can work under special operating systems as a standard (104 key) keyboard and mouse.
[F2]	Enables Mac keyboard emulation.
[F3]	Enables Sun keyboard emulation.
[F4]	Print the switch's current settings via a text editor or word processor.
[F5]	Performs a USB keyboard and mouse reset.
[F6] [n][n] [Enter]	Sets the keyboard language layout. Where nn is a two digit number that represents the keyboard language code (US English: 33, French: 08, German: 09)
[F10]	Enables Windows keyboard emulation.
[B]	Enables/disables the buzzer.
[E]	Turns the Power-on-Detection function on/off.
[H]	Toggles between the default and alternate HSM invocation keys.
[K] [Enter]	Enables/disables N-key rollover keyboard supporting function.
[M]	Enables/disables mouse emulation.
[N]	Enables/disables keyboard emulation.
[Q] [n] [Enter]	Enables/disables specific PC port monitor re-detection function. The n stands for the computer's Port ID number (1, 2, or 3)
[R] [Enter]	Resets the Hotkey settings to their default status.
[S]	Toggles between the default and alternate manual port selection pushbutton settings.
[T]	Toggles between the default and alternate Port Switching keys.
[u] [p] [g] [r] [a] [d] [e] [Enter]	Invokes Firmware Upgrade Mode.
[W]	Enables/disables Mouse Port Switching. When enabled, click the mouse wheel twice to switch ports. Mouse emulation must be enabled.
[X] [Enter]	Enables/disables Hotkey Port Switching.
[Esc] or [Spacebar]	Quits setting mode.

EMC Information

FEDERAL COMMUNICATIONS COMMISSION STATEMENT:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Warning: Operation of this equipment in a residential environment could cause radio interference.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

CE Statement

This device has been tested and found to comply with the following European Union directives: Electromagnetic Capability (2014/30/EU) and Low Voltage (2006/95/EC).

⚠WARNING: This product may expose you to chemicals including Cadmium which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov

Limited Warranty

This product carries a 3 Year Limited or Lifetime Warranty. For the terms and conditions of this warranty, please go to <http://www.iogear.com/support/warranty>

Register online at <https://www.iogear.com/register>

Important Product Information

Product Model _____

Serial Number _____

Contact

WE'RE HERE TO HELP YOU!

NEED ASSISTANCE SETTING UP THIS PRODUCT?

Make sure you:

1. Visit www.iogear.com for more product information
2. Visit www.iogear.com/support for live help and product support

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