

IOGEAR GCS1942H

IOGEAR 2-Port 4K Dual View KVMP Switch (GCS1942H) User Manual

Detailed instructions for setup, operation, and maintenance.

1. PRODUCT OVERVIEW

The IOGEAR GCS1942H is a 2-Port 4K Dual View KVMP Switch designed to manage two computers from a single console. It allows users to control two HDMI-enabled computers using one keyboard, one mouse, and two HDMI monitors. This device supports 4K resolution (4096 x 2160 @ 60Hz) and includes a built-in USB 3.0 hub for sharing peripherals and audio connectivity.



Image: The IOGEAR GCS1942H KVM Switch integrated into a dual monitor workstation, demonstrating its use

with two computers, a keyboard, mouse, and two displays.

2. PACKAGE CONTENTS

Verify that all items are present in your package. If any items are missing or damaged, contact IOGEAR customer support.

- 1 x IOGEAR 2-Port 4K Dual View KVMP Switch (GCS1942H)
- 1 x Power Adapter
- 1 x Power Cord
- 4 x HDMI Cables
- 2 x USB 3.0 Cables
- 2 x Audio Cables (3.5mm jack)
- 2 x Microphone Cables (3.5mm jack)
- 1 x Quick Start Guide (not included in this digital manual)
- 1 x Warranty Card (not included in this digital manual)



Image: A visual representation of the IOGEAR GCS1942H KVM Switch and its included accessories, such as cables and power supply.

3. PRODUCT DIAGRAM

3.1 Front Panel



Image: The front panel of the KVM switch, highlighting the port selection buttons, status indicators, a USB 3.0 port, and 3.5mm audio jacks for microphone and headphones.

- **Port Selection Buttons (1, 2):** Used to manually switch between connected computers.
- **Status LEDs:** Indicate the currently active computer port.
- **USB 3.0 Port:** For connecting USB peripherals such as flash drives or external hard drives.
- **Audio Jacks (Microphone, Headphone):** For connecting a headset or separate microphone and speakers.

3.2 Rear Panel



Image: The rear panel of the KVM switch, detailing the connections for two computers, including dual HDMI inputs, USB 3.0 inputs, audio inputs, and the console's dual HDMI outputs, USB 3.0 outputs, and power input.

- **Power Input (DC 9V):** Connects to the included power adapter.
- **Console Ports:**
 - **HDMI Out (x2):** Connect to your two primary monitors.
 - **USB 3.0 (x2):** Connect your keyboard and mouse.
 - **Audio Out (x1):** Connect to your speakers or headphones.
 - **Microphone In (x1):** Connect to your microphone.
- **Computer Ports (CPU 1, CPU 2):** Each computer port includes:
 - **HDMI In (x2):** Connect to the HDMI outputs of your computer.
 - **USB 3.0 (x1):** Connect to a USB port on your computer.
 - **Audio In (x1):** Connect to the audio output of your computer.
 - **Microphone Out (x1):** Connect to the microphone input of your computer.
- **Ethernet Port (RJ-45):** For network connectivity (if supported by specific models or features).

4. SETUP INSTRUCTIONS

Follow these steps to properly set up your IOGEAR GCS1942H KVM Switch.

1. **Power Off All Devices:** Ensure both computers and the KVM switch are powered off and unplugged from their power sources.
2. **Connect Monitors to KVM:** Connect your two HDMI monitors to the "HDMI Out" ports on the KVM switch's rear panel.
3. **Connect Keyboard and Mouse to KVM:** Connect your USB keyboard and mouse to the dedicated USB 3.0 ports on the KVM switch's rear panel (labeled for console devices).
4. **Connect Audio Devices to KVM (Optional):** If using external speakers/headphones and a microphone, connect them to the respective 3.5mm audio jacks on the KVM switch's rear panel.
5. **Connect Computers to KVM:**
 - For **Computer 1 (CPU 1)**:
 - Connect two HDMI cables from Computer 1's HDMI outputs to the "HDMI In" ports for CPU 1 on the KVM switch.
 - Connect one USB 3.0 cable from Computer 1's USB port to the "USB 3.0" port for CPU 1 on the KVM switch.
 - Connect audio cables from Computer 1's audio output to the "Audio In" port for CPU 1, and from Computer 1's microphone input to the "Mic Out" port for CPU 1 (if using audio switching).
 - Repeat the above steps for **Computer 2 (CPU 2)**, connecting its cables to the corresponding ports for CPU 2 on the KVM switch.
6. **Connect Power:** Plug the power adapter into the KVM switch's "DC 9V" input, then plug the power adapter into an electrical outlet.
7. **Power On Devices:** First, power on your monitors, then the KVM switch, and finally, your computers.

The KVM switch should automatically detect the active computer. If not, use the front panel buttons to select a computer.

5. OPERATING INSTRUCTIONS

The IOGEAR GCS1942H offers multiple methods for switching between connected computers.

5.1 Front Panel Switching

Press the corresponding numbered button (1 or 2) on the front panel of the KVM switch to switch to the desired computer. The LED indicator will illuminate to show the active port.



Image: A workstation illustrating the three primary methods for switching between computers: front panel buttons, keyboard hotkeys, and mouse wheel clicking.

5.2 Keyboard Hotkey Switching

Use the following hotkey combinations to switch between computers:

- **Switch to Computer 1:** Press `Scroll Lock` + `Scroll Lock` + `1`
- **Switch to Computer 2:** Press `Scroll Lock` + `Scroll Lock` + `2`
- **Cycle Through Ports:** Press `Scroll Lock` + `Scroll Lock` + `Enter`
- **Enable/Disable Audio Switching:** Press `Scroll Lock` + `Scroll Lock` + `A`
- **Enable/Disable USB Hub Switching:** Press `Scroll Lock` + `Scroll Lock` + `U`

Note: The Scroll Lock key must be pressed twice in quick succession before the number or letter key.

5.3 Mouse Switching

To switch between computers using your mouse, quickly double-click the scroll wheel button on your 3-button USB mouse. This will cycle through the connected computers.



Super-Fast USB 3.0

Transfer data fast with 5GBPS
USB ports (front and rear)



Asynchronous Sharing

Share USB accessories between PCs
(Printers, SSDs, webcams, etc.)



Switching Methods

Panel buttons, keyboard hotkey
& mouse wheel

Image: Visual details of the KVM switch's features, including the front USB 3.0 port, the concept of asynchronous sharing of USB devices, and the various switching mechanisms.

6. MAINTENANCE

To ensure optimal performance and longevity of your IOGEAR GCS1942H KVMP Switch, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Avoid using liquid cleaners or aerosols, which may damage the unit.
- **Ventilation:** Ensure the KVM switch is placed in a well-ventilated area to prevent overheating. Do not block any ventilation openings.
- **Cable Management:** Keep cables organized and free from kinks or excessive bending to prevent signal loss or damage.
- **Power Supply:** Use only the power adapter provided with the unit. Using an incorrect power adapter may damage the device.
- **Environmental Conditions:** Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.

7. TROUBLESHOOTING

If you encounter issues with your IOGEAR GCS1942H, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No video display on monitors.	<ul style="list-style-type: none">• Loose HDMI cable connections.• Incorrect input selected on monitor.• KVM switch not powered on.• Computer not outputting video.	<ul style="list-style-type: none">• Check and secure all HDMI cables between computers, KVM, and monitors.• Ensure monitors are set to the correct HDMI input.• Verify the KVM switch is powered on and its power adapter is connected.• Check computer's display settings or try connecting monitors directly to the computer.
Keyboard or mouse not responding.	<ul style="list-style-type: none">• Loose USB cable connections.• KVM switch not selected to the correct computer.• Keyboard/mouse not compatible with KVM emulation.	<ul style="list-style-type: none">• Check and secure all USB cables.• Ensure the KVM switch is switched to the desired computer.• Try connecting the keyboard/mouse to the front USB 3.0 port (if available) or directly to the computer to test functionality.
No audio.	<ul style="list-style-type: none">• Loose audio cable connections.• Audio output not selected on computer.• Audio switching disabled.	<ul style="list-style-type: none">• Check and secure all 3.5mm audio cables.• Verify the computer's sound settings are outputting to the KVM switch.• Ensure audio switching is enabled (refer to hotkey section).
Hotkeys not working.	<ul style="list-style-type: none">• Incorrect hotkey sequence.• Keyboard not connected to the dedicated console USB port.	<ul style="list-style-type: none">• Ensure the Scroll Lock key is pressed twice quickly before the command key.• Connect the keyboard to the dedicated console USB port on the KVM switch's rear panel.

8. SPECIFICATIONS

Feature	Detail
Model Number	GCS1942H
KVM Ports	2
Video Interface	HDMI 2.0 (Dual View)
Max Resolution	4096 x 2160 @ 60Hz (Cinema 4K)
HDCP Compliance	HDCP 2.2
USB Hub	USB 3.0 (5Gbps)

Feature	Detail
Audio	3.5mm Stereo Audio & Microphone
Switching Methods	Front Panel Push Buttons, Keyboard Hotkeys, Mouse Wheel
Operating System Compatibility	Windows, macOS, Linux
Dimensions (L x W x H)	13.2 x 6.3 x 1.7 inches (33.53 x 16.00 x 4.32 cm)
Item Weight	7.25 pounds (3.29 kg)
Power Consumption	3.17 watts
Color	Black



Image: The KVM switch displayed with logos for Windows, macOS, and Linux, indicating its broad operating system compatibility.





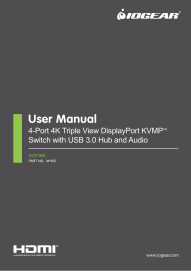

9. WARRANTY AND SUPPORT

IOGEAR products are designed for reliability and performance. For information regarding warranty coverage, technical support, or to register your product, please visit the official IOGEAR website or contact their customer service department.

IOGEAR Official Website: www.iogear.com

Please have your model number (GCS1942H) and purchase information ready when contacting support.

Related Documents - GCS1942H

	<p>IOGEAR GCS1942H/GCS1944H 4K Dual View KVMP Switch Quick Start Guide</p> <p>Quick start guide for IOGEAR GCS1942H and GCS1944H 4K Dual View KVMP Switches. Details package contents, system requirements, hardware installation, and operation for connecting multiple computers to a single console.</p>
	<p>IOGEAR GCS1942H/GCS1944H 2/4-Port 4K Dual View KVMP Switch User Manual</p> <p>User manual for IOGEAR GCS1942H and GCS1944H 2/4-Port 4K Dual View KVMP Switches. Learn about features, setup, and operation for high-end workstations with HDMI, USB 3.0, and audio connectivity, supporting Cinema 4K resolutions.</p>
	<p>IOGEAR GCMS1922 2-Port 4K Dual View DisplayPort Matrix KVMP User Manual</p> <p>User manual for the IOGEAR GCMS1922, a 2-Port 4K Dual View DisplayPort Matrix KVMP Switch with USB 3.0 Hub and Audio. Covers installation, operation, configuration, and troubleshooting.</p>
	<p>IOGEAR GCS1964 4-Port 4K Triple View DisplayPort KVMP Switch Quick Start Guide</p> <p>This quick start guide provides essential information for setting up and operating the IOGEAR GCS1964 4-Port 4K Triple View DisplayPort KVMP Switch with USB 3.0 Hub and Audio. It covers package contents, system requirements, hardware installation, operation, warranty, and contact details.</p>
	<p>IOGEAR GCS1964 4-Port 4K Triple View DisplayPort KVMP Switch User Manual</p> <p>User manual for the IOGEAR GCS1964, a 4-Port 4K Triple View DisplayPort KVMP Switch with USB 3.0 Hub and Audio. This manual covers features, requirements, setup, operation, advanced configuration, and troubleshooting for the GCS1964.</p>
	<p>IOGEAR True 4K 4/8-Port Switcher with HDMI Connection User Manual</p> <p>User manual for the IOGEAR GHSW8441/GHSW8481 True 4K 4/8-Port Switcher with HDMI Connection, detailing features, installation, operation, specifications, and troubleshooting.</p>