

IOGEAR GCS1104



IOGEAR 4-Port DVI KVMP Switch (GCS1104) User Manual

Model: GCS1104

1. INTRODUCTION

The IOGEAR GCS1104 4-Port DVI KVMP Switch allows you to control up to four DVI-enabled computers from a single DVI monitor, USB keyboard, and USB mouse. This device also enables sharing of USB 2.0 peripherals, such as printers or scanners, and provides 2.1 channel audio support with microphone input across all connected computers. This manual provides detailed instructions for installation, operation, and troubleshooting to ensure optimal performance of your KVMP switch.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1 x 4-Port DVI KVMP Switch (GCS1104)
- 4 x DVI-D KVM Cable Sets (DVI, USB, Audio, Mic)
- 1 x Power Adapter
- 1 x User Manual (this document)



Image: The IOGEAR GCS1104 4-Port DVI KVMP Switch with all included cables and accessories.

3. PRODUCT FEATURES

- Control up to 4 USB DVI computers from a single USB keyboard, mouse, and DVI monitor.
- Supports video resolutions up to 1920 x 1200 at 60Hz.
- Convenient computer switching via front panel pushbuttons or keyboard hotkeys.
- Independent hotkey switching for KVM focus, USB peripherals, and audio ports.
- Plug-and-play functionality; hot-pluggable.
- Firmware upgradeable for future compatibility and enhancements.
- Integrated 2-port USB 2.0 hub for peripheral sharing.
- IOGEAR's DynaSync technology reads and remembers monitor parameters (EDID) to prevent video resolution delays or changes during switching or booting.

4. SETUP

Follow these steps to properly set up your IOGEAR GCS1104 KVMP Switch:

1. **Power Off All Devices:** Ensure all computers, the monitor, and the KVMP switch are powered off before beginning connections.
2. **Connect Console Devices:**
 - Connect your DVI monitor to the DVI-I port labeled 'CONSOLE' on the rear of the KVMP switch.
 - Connect your USB keyboard to the USB Type-A port labeled with a keyboard icon on the rear 'CONSOLE' section.
 - Connect your USB mouse to the USB Type-A port labeled with a mouse icon on the rear 'CONSOLE' section.
 - Connect your speakers to the green audio output jack and your microphone to the pink microphone input jack in the 'CONSOLE' section.

3. **Connect Computers:** For each computer (up to four):

- Use one of the provided DVI-D KVM cable sets.
- Connect the DVI-D connector of the cable to the DVI output of your computer and the corresponding DVI-I port (CPU 1-4) on the rear of the KVMP switch.
- Connect the USB Type-A connector of the cable to an available USB port on your computer and the corresponding USB Type-B port (CPU 1-4) on the rear of the KVMP switch.
- Connect the audio and microphone jacks of the cable to the respective ports on your computer and the corresponding audio/mic jacks (CPU 1-4) on the rear of the KVMP switch.
- **Important:** For initial setup, connect your keyboard and mouse directly to each computer's USB port first. Allow the operating system to load the necessary drivers. Once drivers are installed, disconnect them from the computer and connect them to the KVMP switch. This ensures proper recognition.

4. **Connect USB 2.0 Peripherals:** Connect any additional USB 2.0 peripherals (e.g., printer, scanner, external hard drive) to the two USB 2.0 Type-A ports on the front of the KVMP switch.

5. **Apply Power:** Connect the included power adapter to the DC 9V port on the rear of the KVMP switch, then plug it into a power outlet.

6. **Power On:** Power on your monitor, then power on the connected computers. The KVMP switch will automatically detect the active computer.



Image: Rear panel connections of the GCS1104, illustrating ports for console devices and four computers.

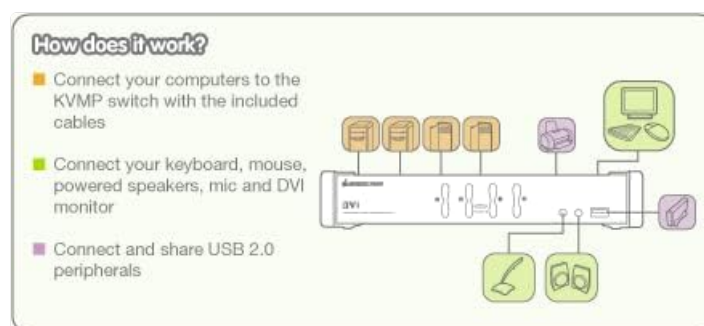


Image: A visual guide demonstrating the connection process for computers, console, and USB 2.0 peripherals to the KVMP switch.

5. OPERATING THE KVMP SWITCH

The IOGEAR GCS1104 offers multiple methods for switching between connected computers.

5.1. Front Panel Pushbutton Switching

Press the corresponding numbered button (1, 2, 3, or 4) on the front panel of the KVMP switch to instantly

switch to the desired computer. The LED indicator above the button will illuminate to show the currently selected computer.



Image: Front panel of the GCS1104, highlighting the computer selection pushbuttons and the shared USB 2.0 port.

5.2. Hotkey Switching

Hotkey combinations allow for quick switching directly from your keyboard. The default hotkey sequence is:

- Press the **Scroll Lock** key twice, then the computer's port number (1-4), and finally **Enter**. For example, to switch to computer 2, press **Scroll Lock, Scroll Lock, 2, Enter**.

The KVMP switch also supports independent switching of KVM focus, USB peripherals, and audio ports. Refer to the full product manual (available on the IOGEAR website) for advanced hotkey commands and customization options.

5.3. USB 2.0 Peripheral Sharing

The two USB 2.0 ports on the front of the switch allow connected peripherals to be shared among all four computers. When you switch to a different computer, the USB peripherals connected to these ports will automatically switch to that computer.

5.4. Audio and Microphone Sharing

The KVMP switch supports 2.1 channel audio and microphone input. Audio and microphone connections will switch along with the KVM focus by default. Independent audio switching may be available via hotkey commands.

6. MAINTENANCE

To ensure the longevity and optimal performance of your IOGEAR GCS1104 KVMP Switch, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the switch. Avoid using liquid cleaners or aerosols, as they may damage the device.
- **Ventilation:** Ensure the switch has adequate ventilation. Do not block any ventilation openings.
- **Cable Management:** Keep cables organized and free from kinks or excessive bends to prevent damage and ensure reliable connections.
- **Environment:** Operate the switch within its specified temperature and humidity ranges (refer to specifications). Avoid extreme temperatures or moisture.

7. TROUBLESHOOTING

If you encounter issues with your LOGEAR GCS1104 KVMP Switch, refer to the following common problems and solutions:

• **No Keyboard or Mouse Functionality:**

- Ensure all USB cables are securely connected between the computers and the KVMP switch, and between the keyboard/mouse and the KVMP switch.
- Verify that the keyboard and mouse drivers are properly installed on each computer. For initial setup, it is recommended to connect the keyboard and mouse directly to each computer first to allow driver installation, then reconnect them to the KVMP switch.
- Try connecting a different keyboard or mouse to isolate if the issue is with the peripheral or the switch.

• **No Video Display or Incorrect Resolution:**

- Check all DVI cable connections between the monitor, KVMP switch, and computers.
- Ensure your monitor supports the resolution output by your computers. The GCS1104 supports up to 1920 x 1200.
- The KVMP switch uses DVI-D connectors, which are digital only. It does not support DVI-A (analog) or VGA without an active digital-to-analog converter. Ensure your connections are DVI-D compatible.
- LOGEAR's DynaSync technology should prevent resolution issues, but if problems persist, try rebooting the affected computer while it is selected on the KVMP switch.

• **No Audio or Microphone Functionality:**

- Verify all audio and microphone cables are correctly connected to the KVMP switch and the respective ports on your computers and console devices.
- Check audio settings on your operating system to ensure the correct playback and recording devices are selected.

• **Switch Not Responding:**

- Ensure the power adapter is securely connected to the KVMP switch and a working power outlet.
- Try power cycling the KVMP switch by disconnecting and reconnecting the power adapter.

8. SPECIFICATIONS

Feature	Specification
Model Number	GCS1104
Number of Ports	4
Video Interface	DVI-I (Digital only for computer connections)
Max Resolution	1920 x 1200 @ 60Hz
USB Hub	2 x USB 2.0 Type-A (Front Panel)
Audio	2.1 Channel Audio (Speaker & Microphone)
Switching Methods	Front Panel Pushbuttons, Hotkeys


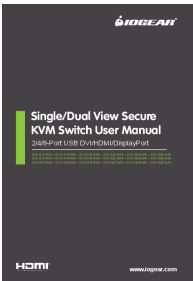
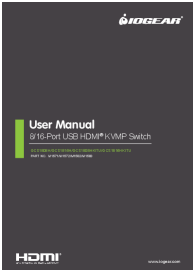
Feature	Specification
Operating Voltage	120 Volts
Wattage	4.8 watts
Product Dimensions (L x W x H)	13 x 8.5 x 4 inches
Item Weight	2.1 pounds
Operating Temperature	32°F to 100°F (0°C to 38°C)
Compliance	UL, TAA

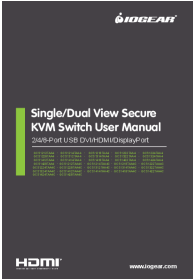
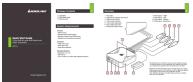

9. WARRANTY AND SUPPORT

IOGEAR stands behind its products with comprehensive warranty and technical support services.

- **Warranty:** The IOGEAR GCS1104 KVMP Switch is backed by IOGEAR's 3-year warranty. Warranty service is provided directly through the original manufacturer.
- **Technical Support:** Free lifetime technical support is available for this product. For assistance, please visit the official IOGEAR website or contact their customer service department.
- **Firmware Updates:** If your KVM switch is older than 2 years, please contact technical support before attempting any firmware updates to ensure compatibility and prevent potential issues.

Related Documents - GCS1104

	<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 Secure KVM Switch User Manual: Single/Dual View, 2/4/8-Port DVI/HDMI/DisplayPort</p> <p>This user manual provides comprehensive guidance for the IOGEAR Secure KVM Switch series, covering installation, configuration, and operation. It details the features and specifications of single/dual view models supporting DVI, HDMI, and DisplayPort interfaces, emphasizing NIAP certification and robust security measures for peripheral sharing.</p>
	<p>IOGEAR 8/16-Port USB HDMI KVMP Switch User Manual</p> <p>User manual for the IOGEAR GCS1808H and GCS1816H 8/16-Port USB HDMI KVMP Switches. Learn about installation, features, operation, and specifications for managing multiple computers from a single console with HDMI, USB, and multi-display support.</p>

	<p>IOGEAR Secure KVM Switch User Manual: 2/4/8-Port USB DVI/HDMI/DisplayPort</p> <p>Comprehensive user manual for IOGEAR Secure KVM Switches, detailing installation, operation, features, and specifications for DVI, HDMI, and DisplayPort models. Includes NIAP certification and security features for peripheral sharing.</p>
	<p>IOGEAR GCS92HU 2-Port 4K KVM Switch Quick Start Guide</p> <p>Quick start guide for the IOGEAR GCS92HU 2-Port USB 4K cable KVM Switch with HDMI Connection, covering package contents, system requirements, hardware installation, and warranty information.</p>
	<p>IOGEAR GCS32HU Quick Start Guide: 2-Port Full HD KVM Switch Setup</p> <p>Get started quickly with the IOGEAR GCS32HU 2-Port Full HD KVM Switch. This guide covers package contents, system requirements, hardware installation, and support for your HDMI and USB KVM switch.</p>