MiniView USB

IOGEAR OWNER 'S MANUAL

Model No. **G-CS102U**
G-CS104U

2/4 Port USB KVM Switch

Thank you for purchasing an IOGEAR USB KVM switch.
For optimum performance and safety, please read these instructions carefully.

IOGEAR™

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Packing List & System Requirements

This complete IOGEAR MiniView™ package consists of:

- One MiniView™: USB KVM switch
- Two or four USB A-B cables
- Two or four VGA cables
- One DC 5V Power Adapter
- One User Manual & Quick Setup Guide

Please check to make sure that all components are included and nothing is damaged. If you discover a problem, please contact your dealer. Before connecting your MiniView™, read the manual thoroughly and follow the installation and operation procedures carefully in order to prevent any damage to the unit and/or any devices it connects to.

System Requirements:

Any PC or Macintosh computer with:

An available USB port
A USB-compliant operating system
(Windows 95 OSR 2.0, Windows 98, Windows 2000, MacOS 8.1 or later)
A standard HDB-15 video adapter

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Introduction

Thank you for purchasing a MiniView™: USB KVM switch, a revolutionary new KVM design from IOGEAR. Recognizing the importance of USB for small office & home office users, we've combined four downstream USB ports and a standard HDB-15 video port into a single KVM switch that fits right on your desktop. Now you can use the MiniView™: USB to share a monitor and four USB devices between two (G-CS102U) and four (G-CS104U) computers. Connect a USB keyboard, USB mouse and two other USB devices – any USB devices. Scanners, Zip Drives, Printers and all other USB compliant devices will work with the MiniView™: USB. If four USB devices aren't enough, connect a USB hub to one of the shared ports and expand your USB capacity. Because the MiniView™: USB is platform-independent, you can use it with Macs and PCs. Your only limitation is the software support for your USB peripherals. Rest assured, though, that if your peripherals will work with a Mac and a PC, they'll work with the MiniView™: USB as well. We sincerely hope you enjoy using your new MiniView™: USB. If you have any questions or comments regarding this product, or any other IOGEAR products, please feel free to contact us. Full contact information is available on the *Contacting IOGEAR* page in this manual.

Features

- Use one keyboard, monitor and mouse to control between two and four PCs.
- **Share four USB devices among attached computers.**
- USB 1.1 compliance ensures full compatibility with your USB devices.
- Operating System-independent operation.
- Connected PC's can be added or removed from the setup without powering off the KVM switch.
- Plug-n-Play monitor support.
- Miniview™ switches support video resolutions up to 1920 x 1440.
- No software required.
- Built in *Auto Scan* mode.
- Buffering technology prevents system failure.
- LEDs allow for easy status monitoring.
- Saves space, power, and equipment costs.
- Trim-line, compact design for easy use.
- Uses standard connectors to connect PC's.
- 3 Year Limited Warranty.

Specifications

Port Selection	*Hot Keys* / Port Selection Button	
LEDs	Port-Selected	
Console Connectors	Monitor	HDB-15 VGA (F)
	USB	Type-A (Downstream)
PC Connectors	Monitor	HDB-15 VGA (M)
	USB	Type-B (Upstream)
Video Resolution	Max: 1920 x 1440, DDC2B	
AutoScan Interval	3 or 15 seconds	
Power Consumption	DC 5V 15mA	
Housing	Plastic / Metal	
Operating Temperature	5°C ~ 40°C	
Storage Temperature	-20°C ~ 60°C	
Humidity	0 ~ 80% RH, Noncondensing	
Weight	G-CS102U: 4.9 ounces	
	G-CS104U: 38.83 ounces	
Dimensions (L x W x H)	G-CS102U: 4.0" x 3.4" x 1.1"	
	G-CS104U: 8.8" x 6.0" x 2.0"	

Overview

Front View:

1 Selected LEDs
These LEDs indicate the currently selected port.

2 Auto Scan LED
The *Auto Scan* LED flashes when *Auto Scan Mode* is in effect.

3 Port Selection Switch
The Port Selection Switch is located on the front panel, just opposite the Select Arrow on the front panel. Press this push button to cycle among the connected computers. The Selected LED on the front panel lights to indicate which port is selected.

4. On-Line LEDs
These LEDs indicate that a computer is properly connected to the switch, powered on and operational.

5. Auto Scan Switch
This push button toggles *Auto Scan Mode* for the MiniView™: USB.

Overview...

ON LINE
SELECTED
CPU-1
CPU-2
CPU-3
CPU-4
MiniView
4-PORT USB KVM SWITCH
AUTO SCAN
6-CSI04U
1
2
3
4
5

Overview...

Rear View

1.) Console Video Connector
Connect your monitor here.

2.) Power Jack
If you choose to use an external DC 5V power adapter, connect it here.

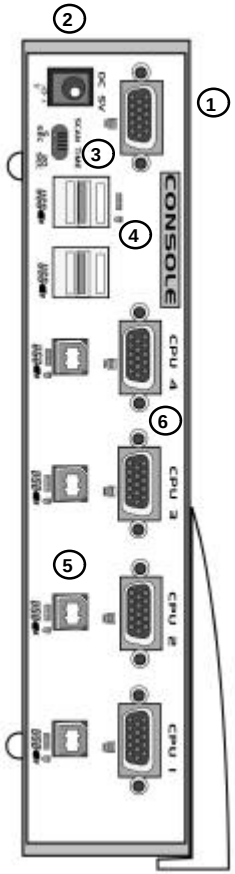
3.) Scan Time Selection Switch
This slide switch selects the amount of time the MiniView™: USB will monitor each port (3 or 15 seconds) when *Auto Scan Mode* is enabled.

4.) Downstream USB Ports
Connect your USB keyboard, USB mouse and two other USB devices here.

5.) Upstream USB Ports
These Upstream ports connect to your Mac or PC to provide the necessary connection between the MiniView™: USB and the computer.

6.) PC Video Ports
These video ports connect to your iMac, G3/G4 or PC to provide the necessary connection between the MiniView™: USB and the computer.

Overview...



Installation

Before you begin, make sure that power to your computers and peripherals (monitor, scanner, etc.) is turned off.

1.) Connect your monitor to the Console Video Port on the MiniView™: USB.

2.) Connect your USB peripherals to the USB Downstream Ports on the MiniView™: USB. Make sure you have a USB keyboard and mouse at the very least.

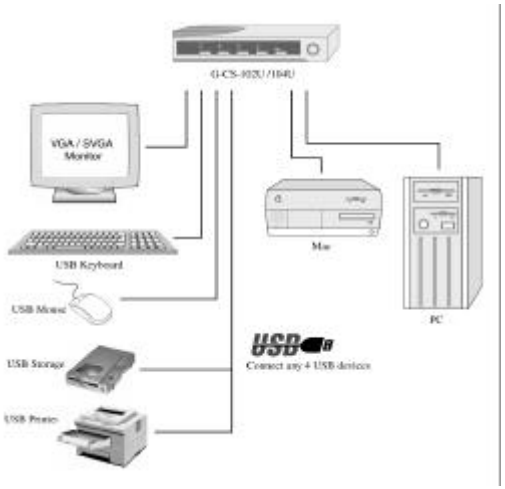
3.) If you choose to use an external 5V power adapter, plug the adapter into an AC source, then plug the adapter cable into the Power Jack on the MiniView™: USB.

4.) Use the video extender cables to connect the MiniView™: USB's video ports to the video ports on the corresponding computers.

5.) Use the USB A-B cables to connect the Upstream Ports on the MiniView™: USB to available Downstream USB ports on your computers.

Note: The MiniView™: USB defaults to Port 1 when powered-on. If the computer attached to Port 1 is inactive, the monitor will be blank so it may appear as if the unit is not functioning. This is not the case. Simply press the Port Selection Switch (located on the front panel), to switch to an active computer on one of the other ports.

Connection Diagram



Operation

Note: The drivers for some USB devices may need to be un-initialized before you disconnect the device, or the system may crash. When you switch computers with the Port Selection Switch or *Auto Scan Mode*, it is the equivalent of disconnecting the device. Therefore, if you are experiencing problems when switching ports, please make sure you un-initialize the drivers for your USB devices before switching ports or enabling *Auto Scan Mode*.

Manual Port Selection

Controlling the computers in your MiniView™: USB installation couldn't be easier. Simply press the Port Selection button on the MiniView™'s front panel until the computer you wish to access is selected.

Operation...

Auto Scan Mode

The MiniView™: USB *Auto Scan* feature automatically switches among the attached computers at regular intervals (3 or 15 seconds), so that you can monitor their activity without having to take the trouble of switching ports yourself.

To invoke *Auto Scan Mode*, simply press the Auto Scan button (located on the MiniView™'s front panel). The Auto Scan LED will then flash to indicate that *Auto Scan Mode* is enabled.

To turn *Auto Scan Mode* Off, press the Auto Scan button again. The Auto Scan LED will stop flashing when *Auto Scan Mode* is no longer in effect.

Note: While *Auto Scan Mode* is in effect, neither the keyboard nor the mouse will function. You must turn off *Auto Scan Mode* in order to be able to use the console.

Appendix A

Troubleshooting

Note: The drivers for some USB devices need to be un-initialized before you disconnect the device, or the system may crash. When you switch computers with the Port Selection Switch, it is the equivalent of disconnecting the device. Therefore, if you are experiencing problems when switching ports, please make sure you un-initialize the drivers for your USB devices before switching.

Problem	Possible Cause	Action
Keyboard is not responding	Loose cables	Check all cables and peripherals to make sure they are properly connected.
	Keyboard needs to be reset	Disconnect the keyboard from the console, wait a few seconds and connect it again.
	MiniView® needs to be reset	Turn off the attached computers, wait 5 seconds, then turn the computers back on.
Mouse not detected or is not responding.	Loose cables	Check all cables and peripherals to make sure they are properly connected.
	Mouse needs to be reset	Disconnect the mouse from the console, wait a few seconds and connect it again.
	MiniView® needs to be reset	Turn off the attached computers, wait 5 seconds, then turn the computers back on.
	MiniView® is in Auto-Scan Mode	Press the Auto Scan Button, located on the MiniView®'s front panel, to exit Auto Scan Mode.
Video signal is weak or distorted	Resolution and/or refresh rate is set too high	The MiniView® USB is designed to handle resolutions up to 1920 x 1440 @ 60Hz. Attempting to run the MiniView® USB at a higher resolution/refresh rate can lead to weak or distorted video.
	Cable quality is sub-standard	We highly recommend using the cables that came with your MiniView® product. Using sub-standard cables can lead to video problems, among other things.

Appendix B

Contacting IOGEAR

In the event that your MiniView™ fails to function properly, or you wish to contact us for any other reason, here are a few ways to do so.

IOGEAR
16560 Aston Street
Irvine, CA 92606

Phone: (949) 250-1260
Toll Free: (888) 999-2836
Fax: (949) 250-1262

www.iogear.com
info@iogear.com

Appendix C

Radio & TV Interference Statement

This equipment has been tested and found to comply within 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 in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. There is no guarantee, however, that interference will not occur in a particular installation.

Limited Warranty

IN NO EVENT SHALL THE DIRECT VENDOR'S LIABILITY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT, DISK OR IT'S DOCUMENTATION EXCEED THE PRICE PAID FOR THE PRODUCT.

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The direct vendor also reserves the right to revise or update the device or documentation without obligation to notify any individual or entity of such revisions, or updates. For further inquiries please contact your direct vendor.