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# User Manual

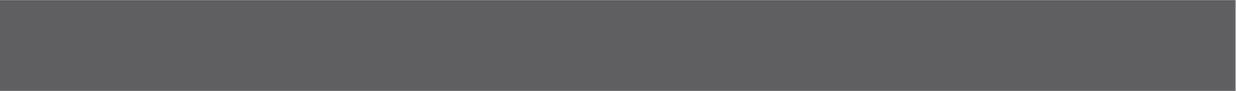
## 4-Port USB KVM Switch

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**GCS634U**

PART NO. Q1013-a

[www.iogear.com](http://www.iogear.com)



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## Package Contents

This package contains:

- 1 4-Port KVM Switch (two cables built-in)
- 2 Detachable custom KVM cables
- 1 User Manual
- 1 Quick Start Guide
- 1 Warranty Registration Card

If any items are damaged or missing, please contact your dealer.

## System requirement

### Console

- A VGA, SVGA, or Multisync monitor capable of the highest resolution that you will be using on any . computer in the installation
- A USB Keyboard
- A USB Mouse

### Computers

The following equipment must be installed on each computer that is to be connected to the system:

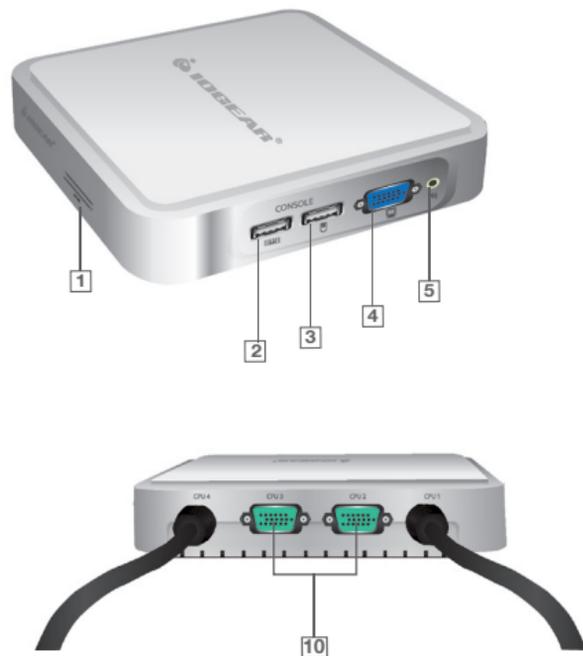
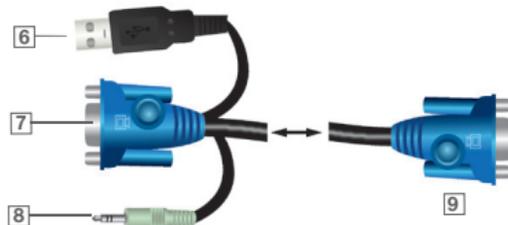
- A VGA, SVGA or Multisync card
- A USB type A port
- A multimedia sound card for audio sharing

### Speakers

- Only 2-channel, powered speakers are supported

# Introduction

- 1) Port LEDs
- 2) USB Keyboard Port
- 3) USB Mouse Port
- 4) VGA Monitor Port
- 5) Stereo Speaker Port
- 6) USB Plug (black)
- 7) VGA Plug (blue)
- 8) Audio Plug (light green)
- 9) Custom KVM Plug (dark green)
- 10) Custom KVM Ports



## Installation

1. Plug your keyboard and mouse into the correct USB ports on the side of the switch. If using a wireless keyboard and mouse whose receiver has only one USB plug, make sure it is inserted into the keyboard port and not the mouse port.
2. Plug your monitor into the VGA port on the side of the switch.
3. Plug your powered speakers into the audio jack on the side of the switch.
4. Plug the extra KVM cables into the green ports on the back of the switch using the custom green connectors. (You may skip both or only one of these cables if only using two or three computers)
5. Plug the VGA, USB, and audio connections on each of the KVM cables into each of your computers.

## Operation

### **Switching between computers (Toggle keys)**

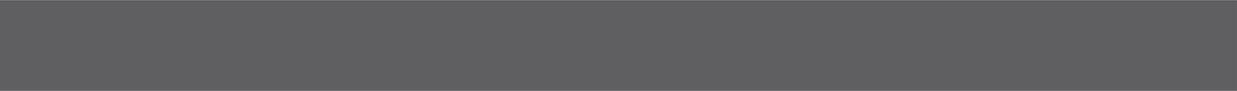
By default, all of the following commands begin by pressing the [Scroll Lock] key twice. A few PC keyboards and all Apple keyboards do not have a [Scroll Lock] key. If you have one of these keyboards you must use the alternate toggle key of [Control] instead. Enter advanced hotkey mode as described in the next section and press [T]. Then all of the following commands will work by simply pressing the [Control] key in place of the [Scroll Lock] key.

### **[Scroll Lock] [Scroll Lock] [Enter]**

This will switch everything (KVM and sound) to the next port.

### **[Scroll Lock] [Scroll Lock] (number) [Enter]**

This will switch everything (KVM and sound) to the exact port number typed. The number must be between 1 and 4, and you must use the numbers across the top of the keyboard, not the number pad. This command will work even if the computer on that port is not powered on.



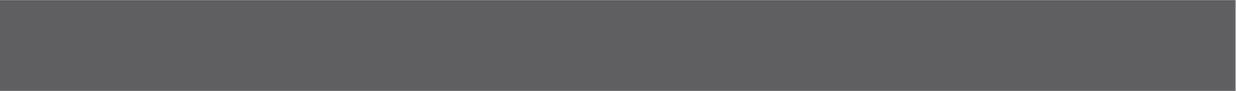
**[Scroll Lock] [Scroll Lock] [a] [Enter]**

This will start the Auto Scan mode, the KVM focus cycles from port to port at a 5 second interval.

**[Scroll Lock] [Scroll Lock] [a] [n] [Enter]**

This will start the Auto Scan mode, the KVM focus cycles from port to port at a [n] second interval.

To exit Auto Scan mode, press [Esc] or [Spacebar].



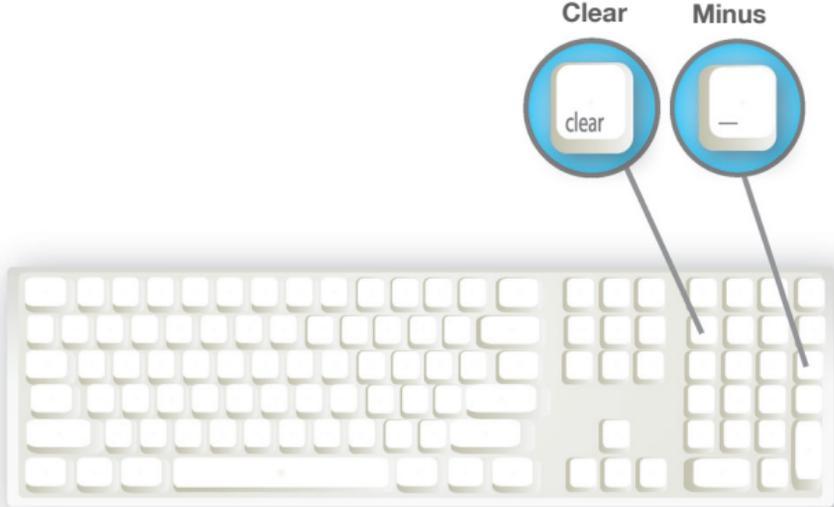
## Advanced Hotkeys

You may enter advanced hotkey mode by pressing and holding [Num Lock] on the number pad, then pressing the [-] key on the number pad and immediately releasing both keys. On Apple keyboards the [Clear] key on the number pad should be used in place of [Num Lock]. If you have done this correctly the Caps Lock and Scroll Lock lights on the keyboard should begin flashing. This means you are in hotkey mode, which will be shortened to just [HKM] below. If you are having trouble entering hotkey mode press [Esc] and try again.

Please read the following pages to learn how to use advanced hot keys to change the keyboard into Mac mode or Sun mode, in order to use the special keys on Mac and Sun keyboards.



Mac keyboard



## PC keyboard





**[HKM] [T]** – This will change the toggle key used to switch between computers. Each time you enter this command the toggle key will switch between the default of [Scroll Lock] and the alternate of [Control].

**[HKM] [H]** – This will change the hotkey used to enter hotkey mode. Each time you enter this command the keys used to enter HKM will switch between the default of [Num Lock]+[-] and the alternate of [Control]+[F12]. Please note that you must hold [Control] while pressing [F12] in exactly the same way you must hold [Num Lock] while pressing [-].

**[HKM] [F2]** – This will manually set the operating system of the currently active port to Macintosh. This will allow the KVM to emulate special keys that are normally only present on an Apple keyboard.

**[HKM] [F3]** – This will manually set the operating system of the currently active port to Sun. This will allow the KVM to emulate special keys that are normally only present on a Sun keyboard. On some Sun computers it is necessary to set up the KVM in this way before the system will properly boot up.

**[HKM] [F10]** – This will set the operating system of the currently active port to Automatic. The KVM will auto-detect the type of computer on that port to allow emulation of whatever keys are most appropriate to that computer. This is the default setting for all ports and is appropriate for PC systems.



**[HKM] [F4]** – This will type out a list of current KVM settings. Open a word processor before using this command in order to see how the KVM is configured.

**[HKM] [F5]** – This will reset the USB ports on the switch, and may clear up any keyboard or mouse problems.

**[HKM] [R] [Enter]** – This will reset all KVM settings to their defaults.

## Using a PC keyboard to emulate a Sun Keyboard

After you set up the appropriate Keyboard Platform,

you will be able to use a PC (101/104) key keyboard to emulate the functions of the Sun keyboard when the Control key [Ctrl] is used in conjunction with other keys. The corresponding functions are shown in the table to the right.

NOTE: When using [Ctrl] combinations, press and release the [Ctrl] key, then press and release the activation key.

PC Keyboard	Mac Keyboard
[Shift]	Shift
[Ctrl]	Ctrl
[Win]	⌘
[Ctrl] [4]	⏏
[Alt]	L Alt/Option
[Prt_Sc]	F13
[Scroll Lock]	F14
[Desktop Menu]	=
[Enter]	Return
[Back Space]	Delete
[Ins]	Help
[Ctrl] [Win]	F15
[Ctrl] [1]	Mult
[Ctrl] [2]	V_DN
[Ctrl] [3]	V_UP

## Using a PC keyboard to emulate a Mac Keyboard

After you set up the appropriate Keyboard Platform, you will be able to use a PC (101/104) key keyboard to emulate the functions of the Mac keyboard. The corresponding functions are shown in the table to the right.

NOTE: When using key combinations, press and release the first key [Ctrl] or [Alt], then press and release the activation key.

PC Keyboard	Sun Keyboard
[Ctrl] [T]	Stop
[Ctrl] [F2]	Again
[Ctrl] [F3]	Props
[Ctrl] [F4]	Undo
[Ctrl] [F5]	Front
[Ctrl] [F6]	Copy
[Ctrl] [F7]	Open
[Ctrl] [F8]	Paste
[Ctrl] [F9]	Find
[Ctrl] [F10]	Cut
[Ctrl] [1]	
[Ctrl] [2]	
[Ctrl] [3]	
[Ctrl] [4]	
[Ctrl] [H]	Help
	Compose
	Meta

## Limited Warranty

### **WE'RE HERE TO HELP YOU! NEED ASSISTANCE SETTING UP THIS PRODUCT?**

Make sure you:

1. Visit [www.iogear.com](http://www.iogear.com) for more product information
2. Visit [www.iogear.com/support](http://www.iogear.com/support) for live help and product support

#### Warranty Information

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

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

#### Important Product Information

Product Model \_\_\_\_\_

Serial Number \_\_\_\_\_

## Federal Communications Commission (FCC) Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential setting. This product generates, uses, and can radiate radio frequency energy and, if not installed and used as directed, it may cause harmful interference to radio communications. Although this product complies with the limits for a Class A digital device, there is no guarantee that interference will not occur in a particular installation.

## CE Compliance

This device has been tested and found to comply with the following European Union directives: Electromagnetic Capability (2004/108/EC), Low Voltage (2006/95/EC) and R&TTED (1999/5/EC).

## Contact

### **IOGEAR**

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