



User Manual

DVI-D KVM Switch

1U KVM Switch with DVI-D Connections



Features:

- » 12 Port
- » Single User



REACH

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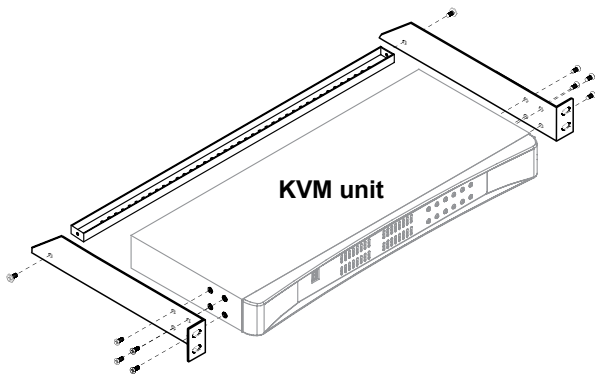
Safety Notice

Please read the following before using your Raloy unit:

- Unplug equipment before cleaning. Don't use liquid or spray detergent; use a moist cloth.
- Keep equipment away from excessive humidity and heat. Preferably, keep it in an air-conditioned environment with temperatures not exceeding 40° Celsius (104° Fahrenheit).
- When installing, place the equipment on a sturdy, level surface to prevent it from accidentally falling and causing damage to other equipment or injury to persons nearby.
- When the equipment is in an open position, do not cover, block or in any way obstruct the gap between it and the power supply. Proper air convection is necessary to keep it from overheating.
- Arrange the equipment's power cord in such a way that others won't trip or fall over it.
- If you are using a power cord that didn't ship with the equipment, ensure that it is rated for the voltage and current labeled on the equipment's electrical ratings label. The voltage rating on the cord should be higher than the one listed on the equipment's ratings label.
- Observe all precautions and warnings attached to the equipment.
- If you don't intend on using the equipment for a long time, disconnect it from the power outlet to prevent being damaged by transient over-voltage.
- Keep all liquids away from the equipment to minimize the risk of accidental spillage. Liquid spilled on to the power supply or on other hardware may cause damage, fire or electrical shock.
- Only qualified service personnel should open the chassis. Opening it yourself could damage the equipment and invalidate its warranty.

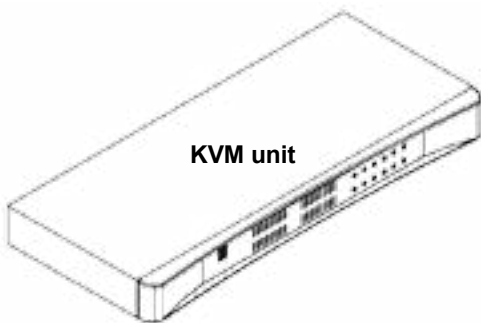
1 Product Overview

1-1 Package Content (Standalone KVM)



- 1 x KVM Unit
- 1 x Mounting set w/ bracket & screws
- 1 x Power cord (for KVM)

1-2 Package Content (Integrated KVM)



- 1 x KVM Unit

1-3 DVI-D KVM Table

www.Raloy.com/support/downloads.html

Multi-User Matrix	Part Numbers	Concurrent Users	Local	Remote	IP	Ports
	DVIKVM112*	1	1	0	0	12

2 Installation

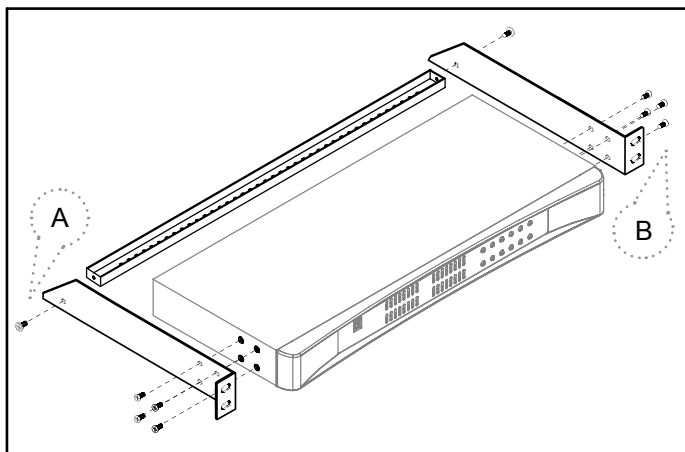
2-1 Before Installation

- It is very important to mount the equipment in a suitable cabinet or on a stable surface.
- Make sure the place has a good ventilation, is out of direct sunlight, away from sources of excessive dust, dirt, heat, water, moisture and vibration.

2-2 Unpacking the Unit

The equipment comes with the standard parts shown in package content. Check and make sure they are included and in good condition. If anything is missing, or damaged, contact Raloy immediately.

2-3 Installation Instructions (Standalone KVM)



Step 1

- Install each bracket using the screws provided.

Screw A: 2 pcs

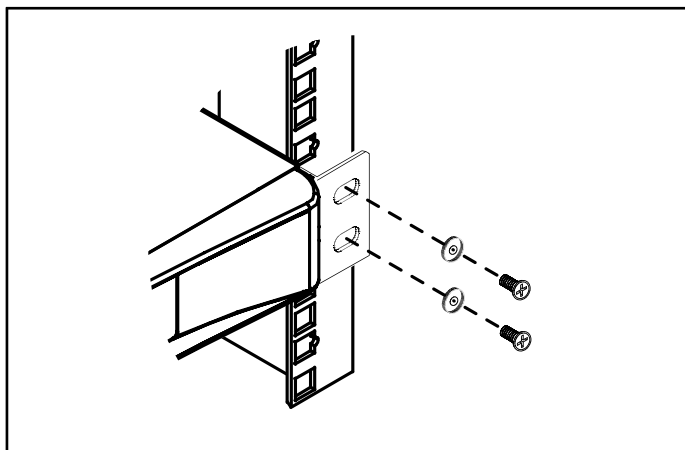


M3.2 x 4.5 mm

Screw B: 8 pcs



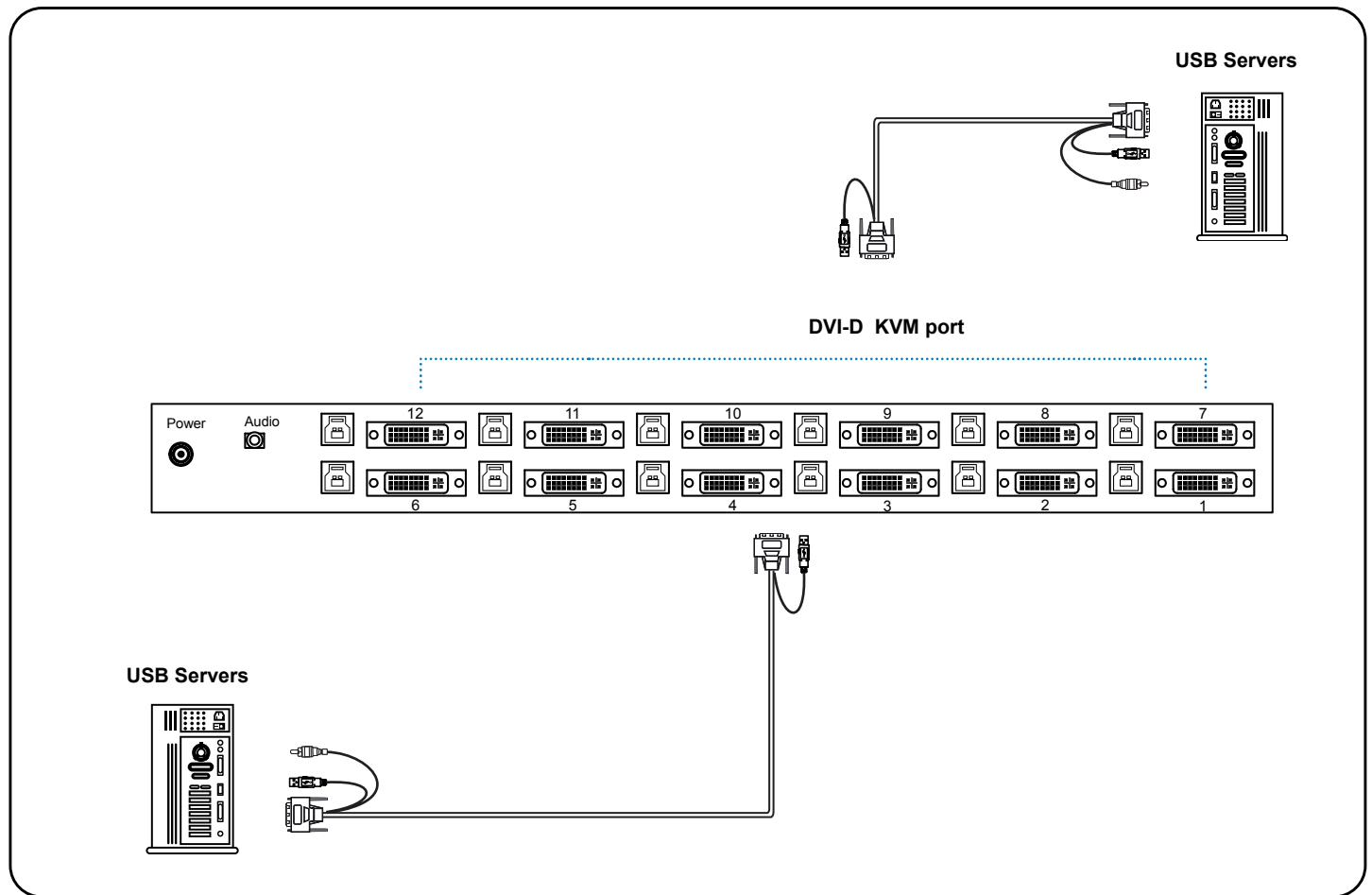
M4 x 10 mm



Step 2

- Mount the KVM into the rack.

2-4 KVM Port & CATx Dongle Connection



RCI-6 / RCI-10 / RCI-15 Combo KVM Cable

- 6 / 10 / 15 ft. DVI KVM cable
- Server end: DVI-D, USB, & Audio
- KVM port: DVI-D & USB3.0



IP console, remote console, daisy-chain and OSD menu are NOT available for this model.

3 Operation

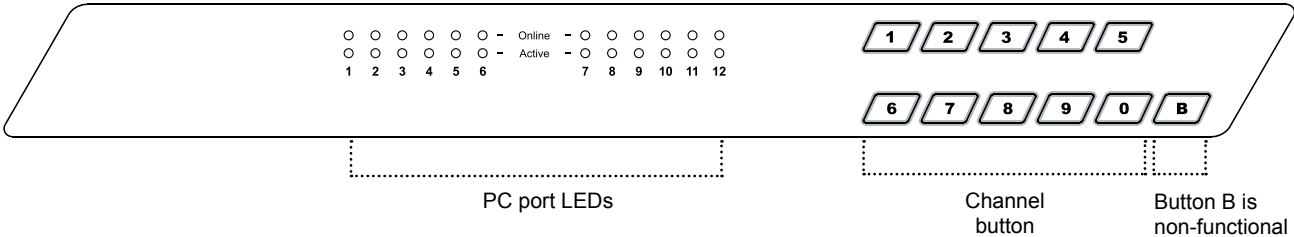
3-1 KVM Button

Power ON

- Turn off all servers and KVM switches
- Make sure all cables / connectors are properly connected
- Power ON sequence
 1. Turn on Rack Monitor (if applicable)
 2. Turn on KVM switch
 3. Turn on Servers

Front Panel - Port LED Indications

DVI-D KVM 12 ports



PC port LEDs	Online : Blue LED on indicating a PC is connecting to the port
	Active : Green LED on indicating a selected channel
Channel button	Press to select channel from 01 to 12

3-5 Hotkeys for KVM

Hotkey	Function
Scroll Lock + Scroll Lock + ↑	Switch to previous port
Scroll Lock + Scroll Lock + ↓	Switch to next port
Scroll Lock + Scroll Lock + Port no.	Switch to specific port
Scroll Lock + Scroll Lock + S	Auto scan for powered on PC
Scroll Lock + Scroll Lock + B	Enable / Disable beeper sound

Remarks:

- Example of “**Scroll Lock + Scroll Lock + Port no.**”
 - Port No. : 01 to 12
 - e.g. Port 4 : **Scroll Lock + Scroll Lock + 0 + 4**
 - e.g. Port 12 : **Scroll Lock + Scroll Lock + 1 + 2**
- You must press the hotkey within 2 seconds
- A beep sound will be heard for successful entering

Hotkey Label

DVI KVM Hotkey

Auto Scan : SL + SL + S
Buzzer ON / OFF : SL + SL + B

SL = Scroll Lock

Change Port : SL + SL + Up / Down Arrow
Select Port : SL + SL + Port No.

4 Product Specifications

4-1 Specifications Table

Product Information	Dimensions (W x D x H)	443 x 171 x 44 mm (17.4 x 6.7 x 1.73 in.)
	Gross Weight	5.5 lbs / 2.5 kg
Packaging Information	Dimensions (W x D x H)	500 x 400 x 90 mm (19.7 x 15.7 x 3.5 in.)
	Gross Weight	11.9 lbs / 5.4 kg
Environmental	Operating Temperature	0 to 50 °C (32 to 122 °F)
	Storage Temperature	-5 to 60 °C (23 to 140 °F)
	Relative Humidity	90% non-condensing
	Shock	50G peak acceleration (11ms, half-sine wave)
	Vibration	58~100Hz / 0.98G (11ms / cycle)
KVM	Number of Ports	12
	Connector	DVI-D, USB 3.0
	Connectivity	Combo 4-in-1 KVM Cable Up to 6 or 15 feet
Local Console	Graphic Connector	1 x DVI-D
	Resolution	Up to 1920 x 1200
	Input Device	2 x USB type A (keyboard & mouse)
	Audio Out	1 x 3.5mm stereo audio
Compatibility	Multi-Platform	Mix PCs, SUN and Mac G3 / G4 Mac / iMac
	Support	Windows 7 / Vista / 2003 / XP, Linux, Unix
Power	Input	Auto sensing 11 to 240VAC, 50/60 Hz;
	Consumption	Max. 24W; Standby 5W
Regulatory	Safety	FCC, CE
	Environment	RoHS2, REACH

5 Important Information

Warranty Information

I. Raloy Limited Warranty

Raloy Customer Support warrants to the original retail purchaser that this product is and will be free from defects in materials and workmanship for a period of twenty-four (24) months from date of purchase. During the warranty period, the purchaser must promptly contact Raloy Tech Support for assistance to report a unit failure.

II. Warranty Period

1. The standard warranty period is 24 months commencing from the date of your Raloy invoice.
2. For Touch Screen and High Brightness LCD custom units, the standard warranty period is 15 months commencing from the date of your Raloy invoice.
3. Warranty will be void if any of these cases apply: physical damages by accident, natural disaster, neglect, misuse or improper use of the equipment.

III. Product Return Procedure

Please see the Raloy website at www.raloy.com/support/raloy-product-warranty.html for detailed product return information.

IV. Raloy Extended Warranty

Raloy also provides the option to extend your warranty service up to 60 Months, please contact our sales at sales@raloy.com for more warranty service and upgrade details.

Disclaimer of Warranty

EXCEPT AS SPECIFICALLY PROVIDED ABOVE AND TO THE MAXIMUM EXTENT ALLOWED BY LAW, RALOY DISCLAIMS ALL WARRANTIES AND CONDITIONS WHETHER EXPRESSED, IMPLIED, OR STATUTORY AS TO ANY MATTER WHATSOEVER INCLUDING, WITHOUT LIMITATION, TITLE, NON-INFRINGEMENT, CONDITION, MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR OR INTENDED PURPOSE. EXCEPT AS EXPRESSLY PROVIDED ABOVE AND TO THE MAXIMUM EXTENT ALLOWED BY LAW, RALOY SHALL NOT BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION, LOSS OF PROFIT, LOSS OF BUSINESS, LOSS OF INFORMATION, FINANCIAL LOSS, PERSONAL INJURY, LOSS OF PRIVACY OR NEGLIGENCE) WHICH MAY BE CAUSED BY OR RELATED TO, DIRECTLY OR INDIRECTLY, THE USE OF A PRODUCT OR SERVICE, THE INABILITY TO USE A PRODUCT OR SERVICE, INADEQUACY OF A PRODUCT OR SERVICE FOR ANY PURPOSE OR USE THEREOF OR BY ANY DEFECT OR DEFICIENCY THEREIN EVEN IF RALOY OR AN AUTHORIZED RALOY RESELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR LOSSES.

Visit www.Raloy.com for full warranty information.

What the Warranty Does Not Cover

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
 - Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
 - Repair or attempted repair by anyone not authorized by us.
 - Any damage of the product due to shipment.
 - Removal or installation of the product.
 - Causes external to the product, such as electric power fluctuation or failure.
 - Use of supplies or parts not meeting our specifications.
 - Normal wear and tear.
 - Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

Regulatory Notices Federal Communications Commission (FCC)

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 in a residential installation.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment. 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.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-position or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Legal Information

Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice. We are not liable for any injury or loss that results from the use of this equipment.

The company reserves the right to modify product specifications without prior notice and assumes no responsibility for any error which may appear in this publication.

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