



# Raritan MCD-DUAL MasterConsole Digital Dual KVM Switch Installation Guide

[Home](#) » [Raritan](#) » Raritan MCD-DUAL MasterConsole Digital Dual KVM Switch Installation Guide 

## Raritan MCD-DUAL MasterConsole Digital Dual KVM Switch Installation Guide



**Thank you for purchasing the MasterConsole Digital Dual KVM switch.**

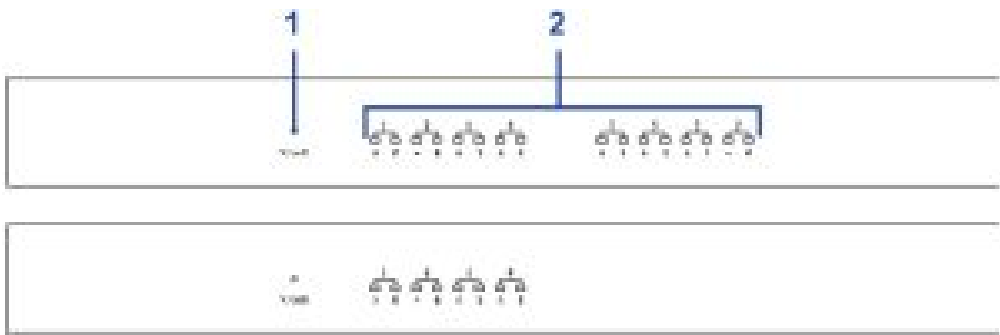
This Quick Setup Guide explains how to quickly install and use the product. For further details on using this product, access its Online Help or User Guide on the Raritan Support page.

### Contents

- [1 Product Overview](#)
- [2 Installation](#)
  - [2.1 Console Connection](#)
  - [2.2 Computer Connection](#)
- [3 On-Screen Display Interface](#)
- [4 Hotkey Summary Table](#)
- [5 Documents / Resources](#)
- [6 Related Posts](#)

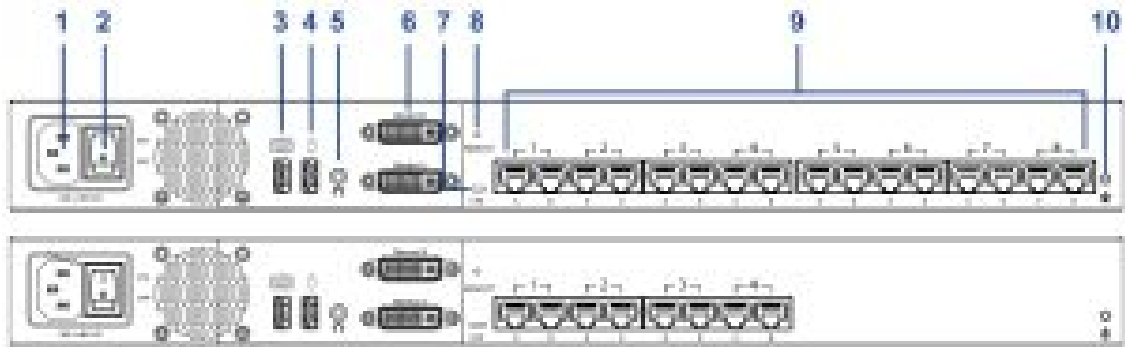
## Product Overview

Front View



1	Power LED	White LED lights on after powering on the MCD-DUAL.
2	Channel LEDs	“inactive” channels with LEDs light off. “active” channels with White LEDs light on. “being accessed” channels with Green LEDs light on.

Rear View



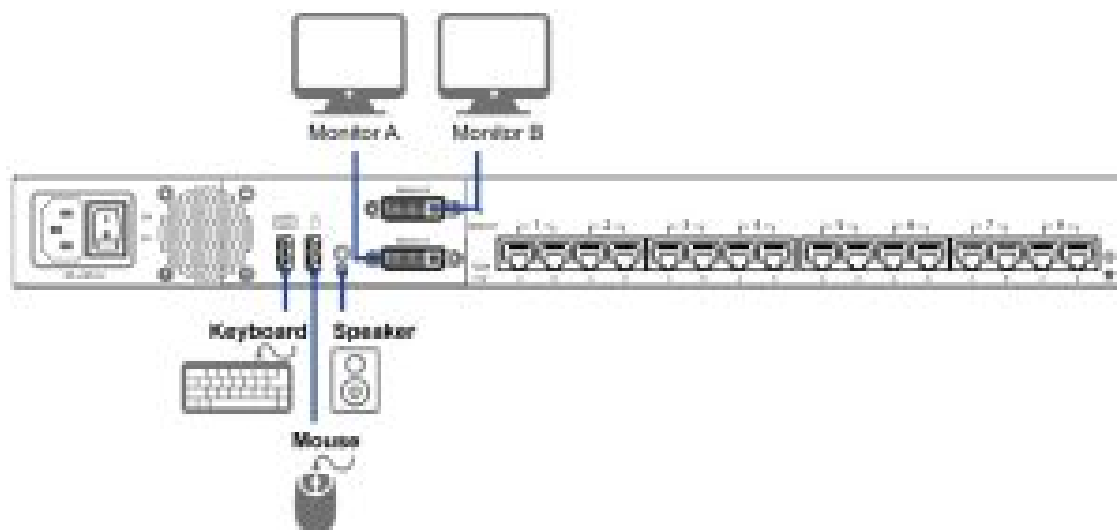
<b>1</b>	<b>Power Socket</b>	Connect the power cord.
<b>2</b>	<b>Power Switch</b>	Toggle the power on or off.
<b>3</b>	<b>USB Port (keyboard)</b>	Connect a USB keyboard.
<b>4</b>	<b>USB Port (mouse)</b>	Connect a USB mouse.
<b>5</b>	<b>Audio Output Port</b>	Connect audio input devices, such as speakers or headphone.
<b>6</b>	<b>2 x DVI-I Connector (Monitor A/ Monitor B)</b>	Connect monitors. OSD will show on Monitor A only. (If your monitor does not have a DVI connector, a video converter or adapter is required.)
<b>7</b>	<b>Firmware Upgrade Connector</b>	Connect a computer for upgrading the MCD-DUAL's firmware.
<b>8</b>	<b>Reboot Button</b>	Reboot this KVM switch.
<b>9</b>	<b>Channel Ports</b>	Connect to computers, each channel with 2x RJ45 ports.
<b>10</b>	<b>Chassis Ground</b>	An easy-to-connect chassis ground to prevent any electrical shock.

## Installation

**Note:** Please turn off all MCD-DUAL and computers before system installation.

### Console Connection

Connect a USB keyboard/mouse, speaker and monitors to the connectors on the MCD-DUAL. (If using a VGA monitor, a DVI-I to VGA adapter is required.)



Choose appropriate MDCIMs or MDUTP cables according to your computer's video port and audio requirements.

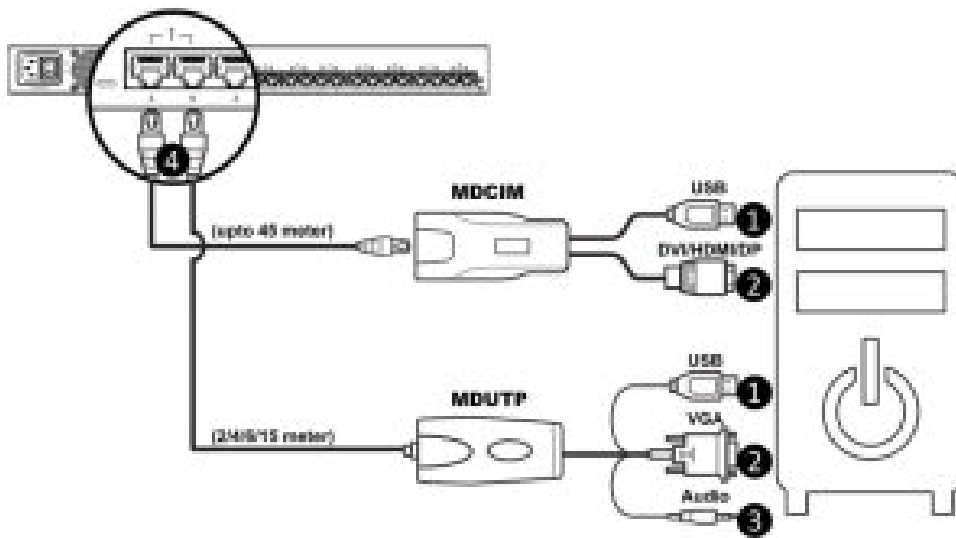
MCD CIM type	Video type	Audio transmission
MDUTP cables	VGA	Support analog audio
MDCIM-HDMI	HDMI	Support digital audio
MDCIM-DVI	DVI	NO support
MDCIM-DP	Display Port	NO support

**Note:** If the MDCIM or MDUTP cable you purchase is not compatible with the video port on your computer, the alternative solution is to use a video converter or adapter to connect MDCIM or MDUTP.

## Computer Connection

### One-tier Connection

- Plug the MDCIM or MDUTP cable's USB connectors into one of the computer's USB ports.
- Plug the MDCIM or MDUTP cable's video connectors into the computer's video ports.
- Optionally, plug the MDUTP cable's audio connector into the computer's audio output port.
- Connect the MDCIM to MCD-DUAL by using a standard network patch cable (Cat5e/6 UTP). The MDUTP is combined with a standard network patch cable; you can use it to connect with MCD-DUAL directly.
- Repeat the above steps to connect more computers.
- **Note:** Please make sure the MDCIM or MDUTP must connect to the same channel of MCD-DUAL.



## Two-tier Connection:

### Step A

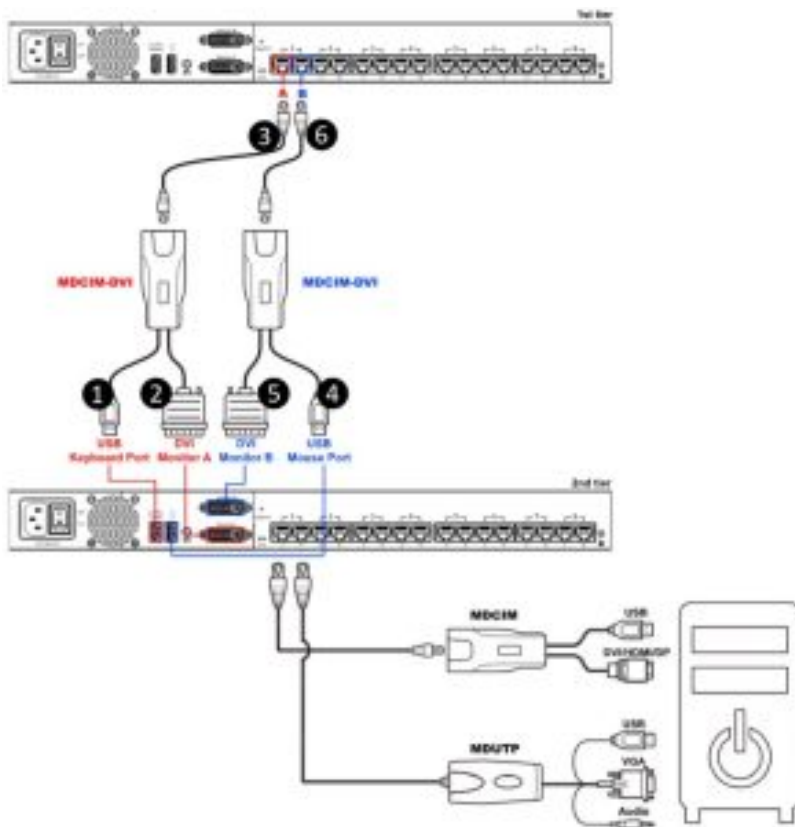
1. Plug the MDCIM-DVI cable's USB connectors into the 2nd-tier MCD-DUAL's USB Keyboard port.
2. Plug the MDCIM-DVI cable's DVI connectors into the 2nd-tier MCD-DUAL's Monitor 1 port.
3. Connect the MDCIM-DVI to "Channel 1: RJ45 Port A" of the 1st-tier MCD DUAL by using a standard network patch cable (Cat5e/6 UTP).

### Step B

1. Plug the MDCIM-DVI cable's USB connectors into the 2nd-tier MCD-DUAL's USB Mouse port.
2. Plug the MDCIM-DVI cable's DVI connectors into the 2nd-tier MCD-DUAL's Monitor 2 port.
3. Connect the MDCIM-DVI to "Channel 1: RJ45 Port B" of the 1st-tier MCD-DUAL by using a standard network patch cable (Cat5e/6 UTP).

### Step C

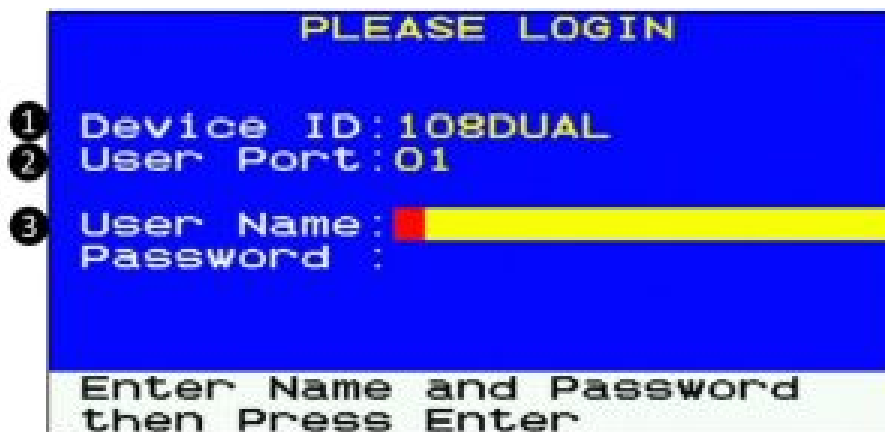
1. Repeat the above steps to connect more 2nd-tier MCD-DUAL
2. Repeat the steps of "One-tier Connection" to connect more computers



## On-Screen Display Interface

### Login Screen

After turning on the device, the login screen displays. For initial login, use the built-in administrator account and password. (admin/raritan)



1	Device ID	The model name of your MCD-DUAL.
2	User Port	The ID number of your console
3	User Name (16 Characters Long) Password (8 Characters Long)	The fields for entering user credentials. The user name and password can consist of any combination of letters and numbers.

## Selection Menu

After the successful login, the Selection Menu displays.



1	<b>Model Name</b>	Your MCD-DUAL's model name
2	<b>Selected Channel</b>	The number of the channel that is being accessed
3	<b>Page Information</b>	The current page number and total pages
4	<b>Login ID</b>	The currently used login ID
5	<b>Channel Numbers</b>	Channel numbers of current page
6	<b>Mouse Switch Function (*) Status</b>	When the function is enabled, the letter "S" will appear. You can press the S key on the keyboard to switch this function.
7	<b>Channel Names</b>	Available channel names of current page. The channel connected with a 2nd-tier MCD-DUAL will be marked with the symbol "+".
8	<b>CIM Resolution</b>	The current resolution setting of MDCIM or MDUTP
9	<b>Operation Keys</b>	Frequently-used keys for operating the current OSD

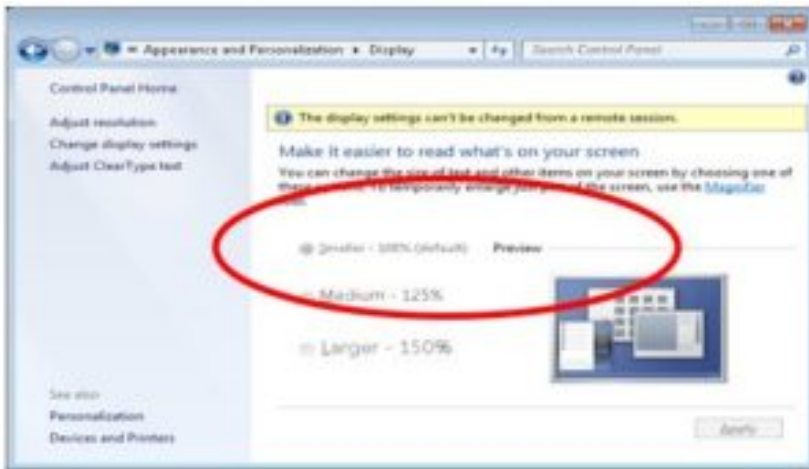
### (\*) About Mouse Switch Function:

The Function is for channel selection by moving the mouse cursor to the left or right side of display borders, and then the MCD-DUAL will switch to prior or next channel.

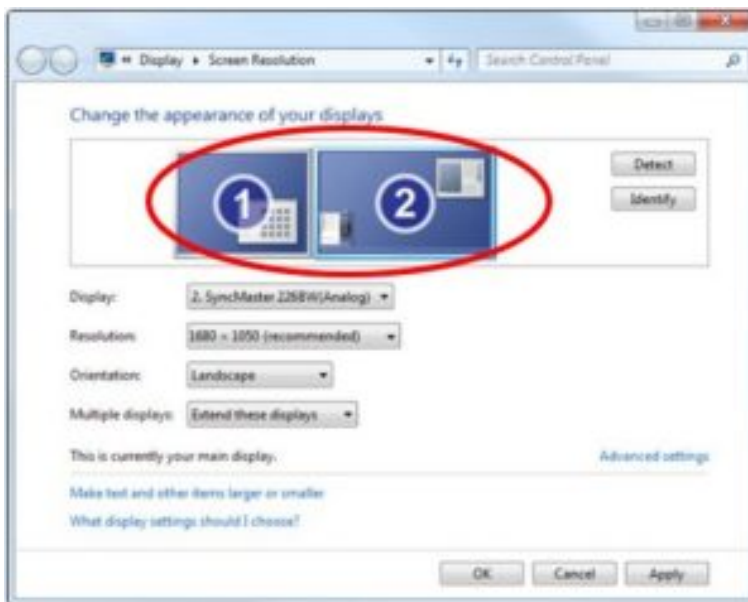
- This default setting is disabled and only available for computers connecting to 1st-tier MCD-DUAL.

- Once the computer is powered back on from Hibernate Mode, you have to calibrate the mouse cursor by pressing Hotkey > Hotkey > H > Enter.
- Before enabling this function, you must do the following three settings on your computer.

1. In the Display Settings: Change Display Setting to “Smaller – 100%”

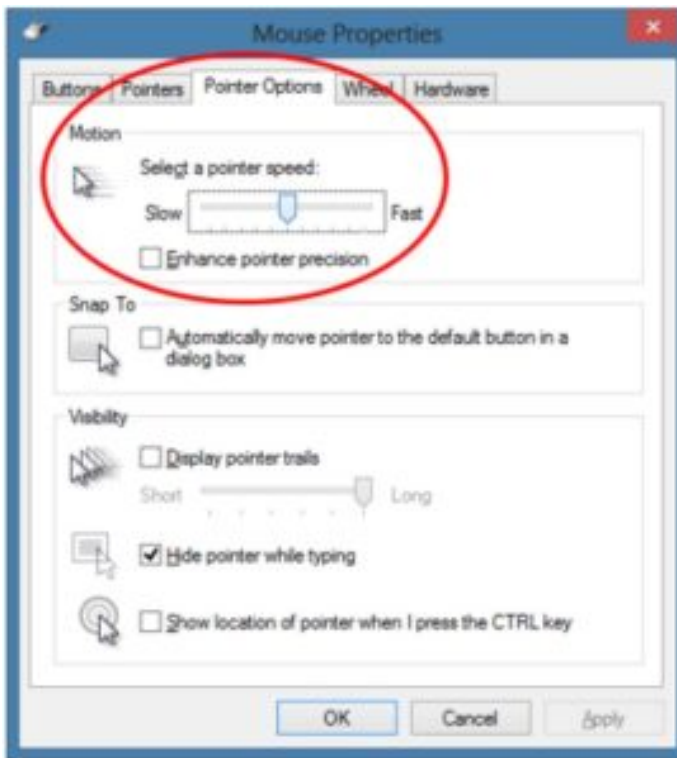


2. In Display Settings, choose “Adjust Resolution”. Drag the monitor icon to the left and make sure the corresponding video output is connected to the “RJ45 Port A”. Finally align these two monitor icons to the top.



3. In Mouse Settings, Adjust Pointer Speed in the middle value to and turn off Enhance Pointer Precision.





## 2nd-tier Selection Menu

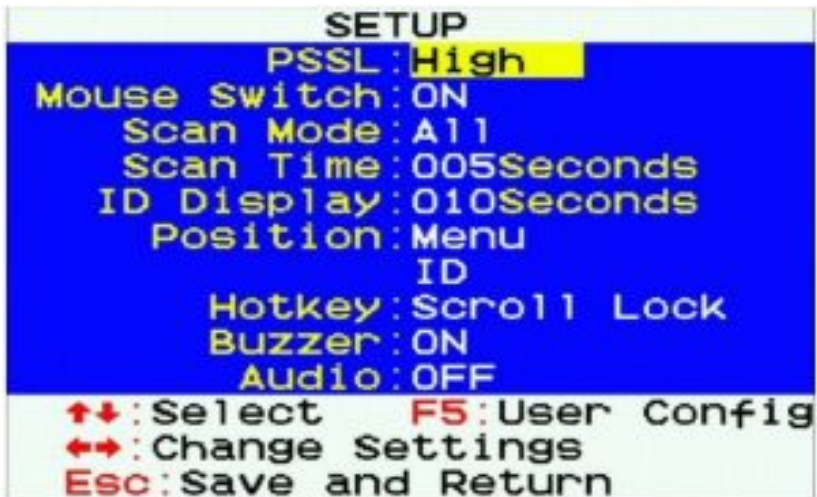
After selecting any channel with a 2nd-tier MCD-DUAL connected, the Selection Menu of that switch appears.



1	<b>Model Name</b>	Your 1st-tier MCD-DUAL's model name
2	<b>1st-tier Channel</b>	The channel number of the 1st-tier MCD-DUAL where the 2nd-tier MCD-DUAL is connected
3	<b>Selected 2nd-tier Channel</b>	The channel number of the 2nd-tier MCD-DUAL that is being accessed
4	<b>2nd-tier Channel Names</b>	2nd-tier channel names

## Setup

- On the Selection Menu, press F1. The SETUP Menu displays.



\* PSSL: Port Switching Sensitivity Level

## User Configuration

- On the SETUP Menu, press F5. The User Configuration Menu displays.



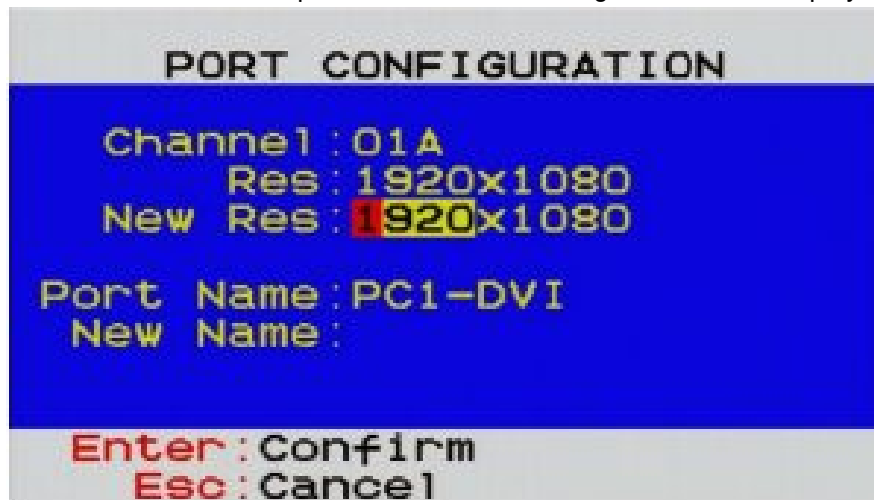
**Note:** Operation Keys “F1” is not available to setup admin’s Port Access right.

On the User Configuration Menu, press F1. The User Port Access Setup Menu displays.



## Port Configuration

On the Selection Menu, press F3. The Port Configuration Menu displays.

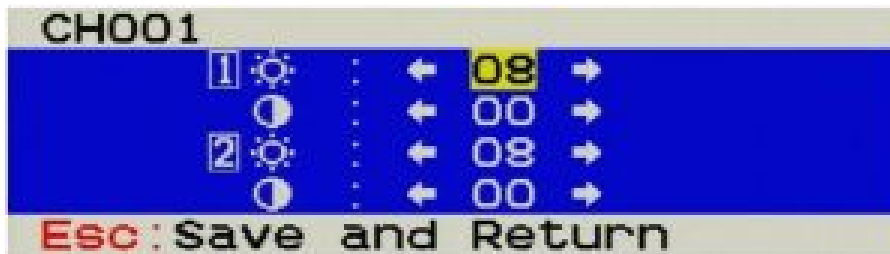


**Note:** Before enabling Mouse Switch Function, you must set the port's resolution the same as the corresponding computer video output.

## Video Adjustment

You can adjust the brightness and contrast of the channel that is being accessed.

1. Select the desired channel to have its video shown on the screen.
2. Press the hot key twice, then the letter "c" and finally press Enter.  
With the default hot key "Scroll Lock", you should press:
  3. Scroll Lock > Scroll Lock > C > Enter
4. The following video properties appear onscreen.
  - Press the UP and DOWN arrows to select the brightness or contrast.  
Press the LEFT and RIGHT arrows to adjust the value of brightness or contrast.



### Viewing Firmware Version

Press F5 on the Selection Menu page. The firmware information displays.

### Resetting to Factory Defaults

1. Press F4 to log out and show the Login screen.
2. Press Ctrl + Shift + F10. The following message appears.



3. Press Enter to proceed with the factory reset. The following message appears. Wait until the Login screen reappears, indicating the reset is completed.

### Hotkey Summary Table

Hotkeys are executed using only the keyboard.

The default hotkey is [Scroll Lock] and can be changed in OSD menu.

Keying Hotkey command must be completed with 6 seconds, or it will be aborted if exceeding


### Hotkey Summary Table

#	Hotkey Command	Function	Description
1	Hotkey > Hotkey > Hotkey	Enter OSD	Press the hotkey three times to trigger the OSD. With the default hotkey "Scroll Lock", you should press: <b>Scroll Lock &gt; Scroll Lock &gt; Scroll Lock</b>

2	Hotkey > Hotkey > N + Enter	Access Channel N	Press 'Hotkey' twice, then the channel number, and press Enter. For example, to access channel 3, press the following keys: <b>Scroll Lock &gt; Scroll Lock &gt; 3 &gt; Enter</b>
3	Hotkey > Hotkey > C > Enter See Video Adjustment	Adjust a Channel Video of First-tier MCD-DUAL	Press the hotkey twice, then the letter "C" and finally press Enter.  With the default hotkey "Scroll Lock", you should press: <b>Scroll Lock &gt; Scroll Lock &gt; C &gt; Enter</b>
4	Hotkey > Hotkey > D > Enter See Video Adjustment	Adjust a Channel Video of Second-tier MCD-DUAL	Press the hotkey twice, then the letter "D" and finally press Enter.  With the default hotkey "Scroll Lock", you should press: <b>Scroll Lock &gt; Scroll Lock &gt; D &gt; Enter</b>
5	Hotkey > Hotkey > H > Enter See Borderless Mouse Switching	Mouse Cursor Calibration	Make sure Borderless Mouse Switching is on. Press the hotkey twice, then the letter "H" and finally press Enter.  With the default hotkey "Scroll Lock", you should press: <b>Scroll Lock &gt; Scroll Lock &gt; H &gt; Enter</b>
6	Ctrl > Ctrl	Access the next or prior "active" channel	Make sure there is no OSD shown onscreen. To select the next "active" channel, press the RIGHT 'Ctrl' key twice. Ctrl > Ctrl To select the prior "active" channel, press the LEFT 'Ctrl' key twice. Ctrl > Ctrl
7	Ctrl + Shift + F10 + Enter See Resetting to Factory Defaults	Resetting to Factory Defaults	Press F4 to log out and show the Login screen. Press Ctrl + Shift + F10 then press Enter to proceed with the factory reset.

8	Ctrl + F1 See Login Screen	Modify Keyboard Language Layout	<p>Press F4 to log out and show the Login screen.</p> <p>Press Ctrl + F1 to modify the keyboard language layout. (EN33,FR08,GR09)</p> <p>Press the language number, then the “ESC” to finish the setting. For example, to choose English Keyboard, press the following keys:</p> <p>33 &gt; ESC</p>
---	----------------------------	---------------------------------	---

Documents / Resources

	<p><a href="#">Raritan MCD-DUAL MasterConsole Digital Dual KVM Switch</a> [pdf] Installation Guide</p> <p>MCD-DUAL, MasterConsole Digital Dual KVM Switch, MCD-DUAL MasterConsole Digital Dual KVM Switch, Digital Dual KVM Switch, Dual KVM Switch, Dual KVM Switch</p>
---	--