

## 2 Port DVI USB KVM Switch with DDM and Cables 4 Port DVI USB KVM Switch with DDM and Cables

SV231DVIUDDM

SV431DVIUDDM



\*actual product may vary from photos

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## FCC Compliance 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 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. 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:

- Reorient 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.
- Consult the dealer or an experienced radio/TV technician for help.

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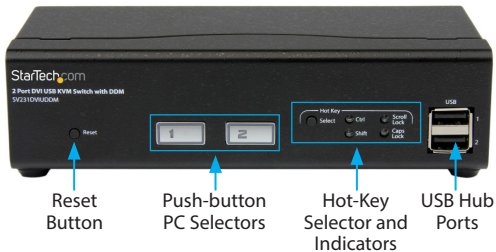
# Introduction

## Packaging Contents

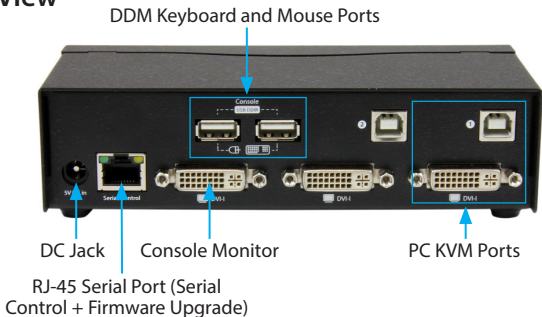
- 1 x KVM Switch
- 2 x 2x 6ft DVI-D USB KVM Cables (4x 6ft DVI-D USB KVM Cables for SV431DVIUDDM)
- 1 x Firmware Upgrade Cable
- 1 x Universal Power Adapter (NA/EU/UK)
- 1 x Instruction Manual

## Product Overview

### Front View (SV231DVIUDDM)



### Rear View



## Front View (SV431DVIUDDM)



Reset  
Button

Push-button  
PC Selectors

Hot-Key  
Selector and  
Indicators

USB Hub

## Rear View

DDM Keyboard and Mouse Ports



USB Hub

DC Jack

Console Monitor

PC KVM Ports

RJ-45 Serial Port (Serial  
Control + Firmware Upgrade)

# LED Indicators

## PC Selection Indicators

Green = PC Connected

Amber = Port selected, PC connected

Red = Port selected, no PC connected

**NOTE:** The LED will flash quickly while the KVM is mapping a newly connected device

## Hot-key Selection Indicator

Blue = Currently selected hot-key

Not-lit = hot-key has been disabled

## Reset Button

The reset button causes all USB ports to reset and settings to reload. The KVM will re-connect all devices (including DDM port and USB hub port) and PC ports like an initial power on.

## Installation

1. Connect the external power adapter from a wall outlet to the power connector on the rear panel of the KVM switch.
2. Connect a monitor into the Console's video connector, then plug your USB keyboard and mouse into the DDM USB keyboard and mouse ports on the KVM switch.

**NOTE:** The DDM ports on the KVM are designed to be used with USB HID (Human Input Device) only.

3. Use the included KVM cables to connect both video and USB, to one of the KVM's PC ports.
4. Repeat Step 3 for each PC you wish to use on the KVM.

**OPTIONAL:** Connect any other USB peripherals you wish to share between the connected computers/devices to either the USB Hub port on the Console side, and/or the front panel USB port.

## Operation

Switching between computers can be accomplished using:

- Front-panel push-buttons
- Keyboard hot-keys

**Note:** To connect with the serial device, you need to operate at 115200 baud.

## Hot-key and functions

The default hot-key is **Ctrl**.

Function	Hot-key sequence
Change default hot-key	<b>Ctrl, Ctrl, K, &lt;new hot-key&gt;</b>
Switch ports	<b>Ctrl, Ctrl, &lt;port number 1 to 4&gt;</b>
Turn on or off switching confirmation sound <b>Note:</b> By default, the switching confirmation sound is turned off.	<b>Ctrl, Ctrl, Z</b>
Turn on Auto Channel Scan By default, the scanning interval is 5 seconds.	<b>Ctrl, Ctrl, S</b>
Change the Auto Channel Scan Interval You can change the scanning interval to 5, 8, 15, 20, or 30 seconds.	When Auto Channel Scan is on, press an interval number between 1 and 5
Turn off Auto Channel Scan	Press any key
Assign USB port commands Assign USB #1 for a certain port use on	<b>Ctrl, Ctrl, H, 1, P, &lt;port number 1 to 4&gt;</b>
Assign USB port commands Assign USB #2 for a certain port use on	<b>Ctrl, Ctrl, H, 2, P, &lt;port number 1 to 4&gt;</b>
Assign USB port commands Assign USB #1 for a certain port use on	<b>Ctrl, Ctrl, H, 1, P, &lt;port number 1 to 4&gt;</b>
Select clone EDID data	<b>Ctrl, Ctrl, V, 1</b>
Select default EDID data	<b>Ctrl, Ctrl, V, 2</b>

Enable switching by mouse scroll-wheel button

**Ctrl, Ctrl, M, 1**

Disable switching by mouse scroll-wheel button

**Ctrl, Ctrl, M, 0**

The feature is turned off by default.

Change the Serial Device Settings to the following:

Speed (baud)	115200
Data bits	8
Stop bits	1
Parity	None
Flow control	None

- RJ-45 serial port – control commands issued from communication applications such as Hyper Terminal:

Serial Command	Function	Screen Response
chX (X= 1,2,3...)	SYNC jump to console channel X	CHX
bzon	Buzzer ON	bzon
bzoff	Buzzer OFF	bzoff
ctrl	Hotkey change to value "Ctrl"	CTRL
shift	Hotkey change to value "Shift"	SHIFT
scroll	Hotkey change to value "Scroll Lock"	SCROLL
caps	Hotkey change to value "Caps Lock"	CAPS



# Specifications

## SV231DVIUDDM

<b>KVM Ports</b>	2
<b>Console Connectors</b>	1 x DVI-I (29 pin) Female 2 x USB A (4 pin) Female (w/ DDM)
<b>Computer Connectors (per port)</b>	1 x DVI-I (29 pin) Female 1 x USB B Female
<b>Other Interfaces</b>	2 x USB A Female
<b>Switching Modes</b>	Pushbutton, Hot-key
<b>Maximum Resolution</b>	1920x1200
<b>Audio Support</b>	No
<b>On Screen Display</b>	No
<b>Cascadable</b>	No
<b>Rack-Mountable</b>	No
<b>Enclosure Type</b>	Steel
<b>Power Adapter</b>	5V 2A,
<b>Operating Temperature</b>	0°C to 60°C (32°F to 140°F)
<b>Storage Temperature</b>	-30°C to 70°C (-22°F to 158°F)
<b>Humidity</b>	0~80% RH Non-Condensing
<b>Dimensions (LxWxH)</b>	165 x 76 x 44mm
<b>Weight</b>	530g

# SV431DVIUDDM

<b>KVM Ports</b>	4
<b>Console Connectors</b>	1 x DVI-I (29 pin) Female 2 x USB A (4 pin) Female (w/ DDM)
<b>Computer Connectors (per port)</b>	1 x DVI-I (29 pin) Female 1 x USB B Female
<b>Other Interfaces</b>	2 x USB A Female
<b>Switching Modes</b>	Pushbutton, Hot-key
<b>Maximum Resolution</b>	1920x1200
<b>Audio Support</b>	No
<b>On Screen Display</b>	No
<b>Cascadable</b>	No
<b>Rack-Mountable</b>	No
<b>Enclosure Type</b>	Steel
<b>Power Adapter</b>	5V 2A,
<b>Operating Temperature</b>	0°C to 60°C (32°F to 140°F)
<b>Storage Temperature</b>	-30°C to 70°C (-22°F to 158°F)
<b>Humidity</b>	0~80% RH Non-Condensing
<b>Dimensions (LxWxH)</b>	275 x 130 x 46 mm
<b>Weight</b>	1160g

# Technical Support

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For the latest drivers/software, please visit [www.startech.com/downloads](http://www.startech.com/downloads)

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This product is backed by a two year warranty.

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