

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

SV231USBDDM

SV431USBDDM



\*actual product may vary from photos

DE: Bedienungsanleitung - [de.startech.com](http://de.startech.com)

FR: Guide de l'utilisateur - [fr.startech.com](http://fr.startech.com)

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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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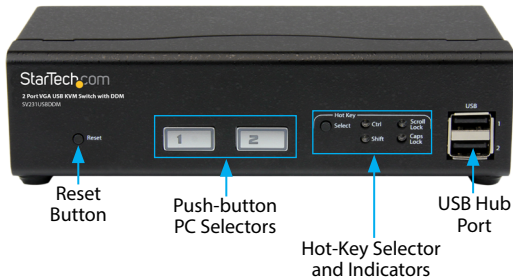
# Introduction

## Packaging Contents

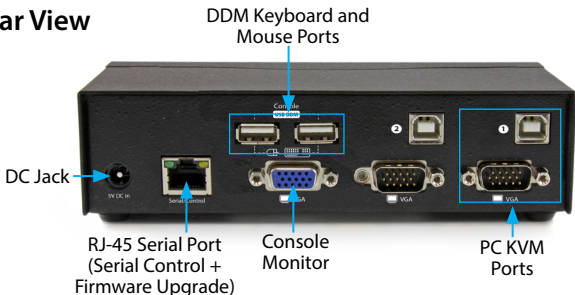
- 1 x KVM Switch
- 2x 6ft VGA USB KVM Cables (4x 6ft VGA USB KVM Cables for SV431USBDDM)
- 1 x Firmware Upgrade Cable
- 1 x Universal Power Adapter (NA/UK/EU)
- 1 x Instruction Manual

## Product Overview

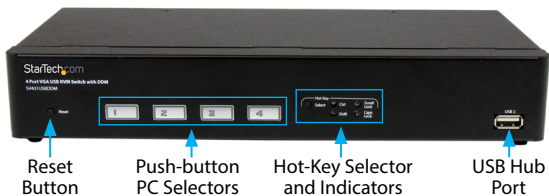
### Front View (SV231USBDDM)



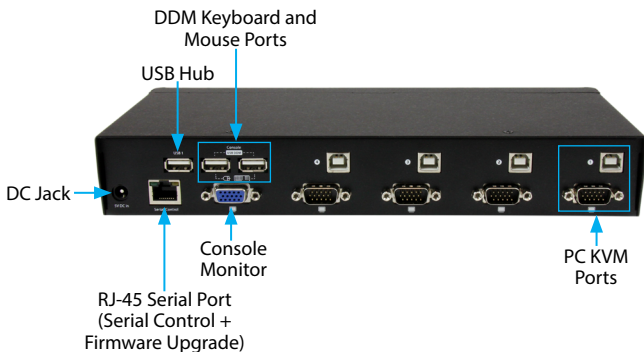
### Rear View



## Front View (SV431USBDDM)



## Rear View



# 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. The following chart indicates the hot-keys that are available.

• Default Hot Key = **Ctrl**

Hot-key + Hot-key + **K** + New Hot-key

## Hot-key and Functions

Hot-key + Hot-key + **1** (~ **8**) → Switch to Port #1 (~ Port#8)

Hot-key + Hot-key + **A** (~ **F**) → Switch to Port #A (~ Port#F)

Hot-key + Hot-key + **Z** → Turn switching confirmation  
buzzer sound on/off

• Default = buzzer sound off

Hot-key + Hot-key + **S** **N** → Turn on Auto Channel Scan

• **S** = last setting interval, default = 5 seconds

• **N** ( **1** ~ **5** ) = 5, 8, 15, 20, 30 seconds

• Turn off Auto Channel Scan by pressing any key

## Assign USB port commands

Hot-key + Hot-key + **H** + **1** + **P** ( **1** ~ **8** , **A** ~ **F** ) → Assign USB #1 for  
a certain port use only

Hot-key + Hot-key + **H** + **2** + **P** ( **1** ~ **4** ) → Assign USB #2 for  
a certain port use only

Hot-key + Hot-key + **H** + **1** + **P** ( **1** ~ **8** , **A** ~ **F** ) → Assign USB #1 for  
a certain port use only

## Optional Functions

Hot-key + Hot-key + **V** + **1** → Select clone EDID data

Hot-key + Hot-key + **V** + **2** → Select default EDID data

• Mouse Scroll-wheel Button

Hot-key + Hot-key + **M** + **1** → Enable scroll-wheel button click switching

Hot-key + Hot-key + **M** + **0** → Disable (default is off)

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

<b>Serial Command</b>	<b>Function</b>	<b>Screen Response</b>
k1p0	List KVM All Status	Firemare Verision, Now Channel,.....
k1pY	Jump to console channel Y	Y < KVM Channel, print "OK" Y > KVM Channel, print "ERROR"
kXpY	Jump to console Level X channel Y if X>1	Z = X-1, Print "kZpY"
chX (X= 1,2,3...)	SYNC jump to console channel Y	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

## SV231USBDDM

<b>KVM Ports</b>	2
<b>Console Connectors</b>	1 x VGA (15 pin; High Density D-Sub) Female 2 x USB A (4 pin) Female (w/ DDM)
<b>Computer Connectors (per port)</b>	1 x VGA (15 pin; High Density D-Sub) 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>	1920x1440
<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 44 mm
<b>Weight</b>	530g

# SV431USBDDM

<b>KVM Ports</b>	4
<b>Console Connectors</b>	1 x VGA (15 pin; High Density D-Sub) Female 2 x USB A (4 pin) Female (w/ DDM)
<b>Computer Connectors (per port)</b>	1 x VGA (15 pin; High Density D-Sub) 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>	1920x1440
<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)

## Warranty Information

This product is backed by a two year warranty.

In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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