SV231UAF

Instruction Manual

VGA KVM Switch

2-Port VGA, USB KVM Switch

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FCC Compliance Statement

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. 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

The StarTech.com SV231UAF allows a single USB keyboard, mouse and monitor to be switched to access up to two computers. The device offers a compact design saving desk space, in addition to saving the cost of purchasing separate peripherals for each computer. The Picture-in-Picture function allows you to look at the other connected system while still working on the one in focus, while the data link feature lets you perform a simple drag and drop data transfer between the two computers. Backed by a StarTech.com 1-year warranty and free lifetime technical support.

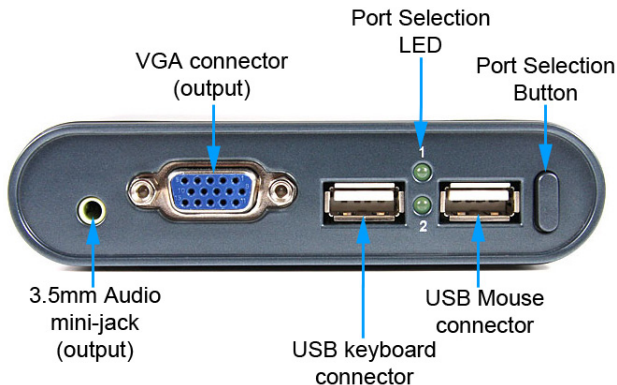## Packaging Contents

- 1 x KVM switch
- 2 x PC Connecting Cable (4 ft / 6 ft)
- 1 x Instruction Manual

System Requirements

- VGA enabled computer system
- USB enabled computer system with available USB port
- VGA enabled display device (e.g. monitor, projector, TV, etc.)
- Standard 104-key USB keyboard
- Standard 3-button USB mouse
- Optional Software: Microsoft® Windows® XP/Vista/7 (32/64-bit)

Front View

Port Selection LED

VGA connector (output)

Port Selection Button

1

2

3.5mm Audio mini-jack (output)

USB Mouse connector

USB keyboard connector

Rear View

PC1 KVM Cable connector (input)

PC2 KVM Cable connector (input)

PC1/PC2 3.5mm Audio connector (input)
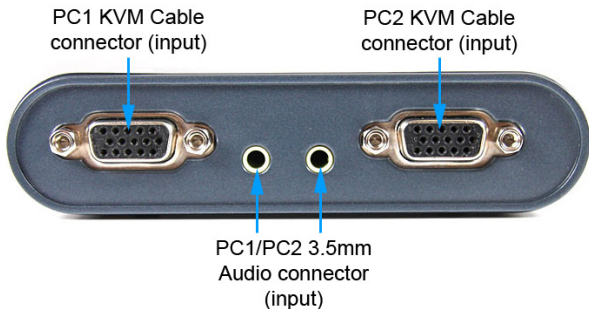
Installation

Hardware Installation

1. Connect a VGA display device to the VGA connector (output) on the front panel of the KVM switch.

2. Connect a USB keyboard and a USB mouse into the dedicated USB keyboard and mouse ports on the KVM switch. If using audio, also connect speakers/headphones with 3.5mm mini-jack plugs.

3. Using the included KVM cables, connect the black-colored VGA connector into the PC1 and PC2 connectors. If using audio, also connect the 3.5mm mini-jack plug into the respective audio connector.

4. Connect the opposite end of the KVM cable into the appropriate connectors on the computer systems.

5. Power on the computer connected to PC1 first and wait for it to fully boot.

6. Switch to PC2 and then power on that computer.

7. Both computers should now be functional and you should be able to switch between them freely.

Software Installation

1. When connected to a Windows-based PC, this KVM switch will create additional removable drives that are accessible via "My Computer". In the "KMDS" drive, run the setup.exe file.

2. Once the Installation Wizard starts, follow the prompts to complete installation.

3. An icon should be visible in the System Tray (near system clock) to access the software options.

How to Use

Hotkey Switching

A Hotkey command is a short keyboard sequence for selecting a computer connected to the KVM switch. A hotkey sequence consists of two keystrokes (successively within 0.2 seconds). A built-in tone generator creates a high-pitched beep for a correct hotkey command.

To switch from the currently selected computer to the next computer, including audio:
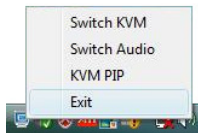
[Scroll Lk] + [Scroll Lk]

To switch from the currently selected computer to the next computer, but not switch the audio:

[Caps Lk] + [Caps Lk]

KMDS Software

The KMDS icon in the System Tray is used to access various additional features by right-clicking the icon.

Switch KVM

Switch computer control, video and audio to the next computer.

Switch Audio

Switch only audio to the next computer, while control and video remain on the current computer.

KVM PIP

Activate the Picture-In-Picture window to view a scaled-down video feed of the next computer system. The primary purpose is for performing a file transfer to the next computer system by dragging and dropping files into the PIP window.

Software Notes

- File transfers and text copy/paste operations through the KMDS software, should only be performed if both computer operating systems are set to the same language version.

- File transfers are only supported to the Windows Desktop. Identical file names on the desktop will be automatically overwritten without notification. Caution is recommended when transferring files.

- Picture in Picture mode (PIP) is not suitable for watching multimedia files.

- Do not change the computer screen resolution while PIP mode is active.

- Do not unplug the KVM cables or attempt port switching while a file transfer is in progress. Exit the KMDS software before disconnecting the KVM from a running computer system.

- While using the KMDS software, it is recommended that users have full Administrator access.

- If any errors are encountered during use of the KMDS software, exit the software and reconnect the USB and VGA connectors and restart the KMDS software.

Troubleshooting

Problem: Unable to set proper video resolution for the connected display.

Solutions:

- This KVM switch will store the EDID information from the last connected display, so if replaced with a non-EDID compliant display, the connected computers will still receive the EDID from the previous display. This may prevent you from selecting the proper video resolution for the new display. An EDID compliant display needs to be connected to the KVM switch to override the stored EDID information.

- Check the VGA cable connection between the KVM switch and the VGA display and/or replace cable (with shorter cable, if applicable).

Problem: Any of the following symptoms are found:

- Switching is slow or unresponsive
- Mouse or keyboard is slow or unresponsive
- File transfers are slow or unresponsive
- Picture in Picture window only shows grey box

Solutions: The KVM switch needs to be reset.

Method 1:

1. Switch to PC1 and close/exit the KMDS software.
2. Switch to PC2 and close/exit the KMDS software.
3. Disconnect all of the cables from the KVM switch to PC2.
4. Disconnect all of the cables from the KVM switch to PC1.
5. Wait for 20 seconds.
6. Reconnect all of the cables from the KVM switch to PC1, then PC2.
7. Switch to PC1, if not already, and restart the KMDS software.
8. Switch to PC2 and restart the KMDS software.

Method 2:

1. Shut down PC2.
2. Shut down PC1.
3. Disconnect all of the cables from the KVM switch to PC2.
4. Disconnect all of the cables from the KVM switch to PC1.
5. Wait for 20 seconds.
6. Reconnect all of the cables from the KVM switch to PC1, then PC2.
7. Power on PC1 and wait for it to fully boot.
8. Power on PC2 and wait for it to fully boot.
9. Restart the KMDS software on both computers, if not already running.

Specifications

Number of Ports	2
Computer Connectors (per port)	1 x DE-15 VGA male 1 x USB type A male 1 x 3.5mm Audio mini-jack male (via included KVM cable)
Console Connectors (per port)	1 x DE-15 VGA female 2 x USB type A female 1 x 3.5mm Audio mini-jack
Maximum Video Resolution	2048 x 1536
DDC Support	Yes (DDC, DDC2, DDC2B)
Audio Support	Yes
On Screen Display	No
Cascadable	No
Switching Modes	Push-button, Hotkey, Software
Power Adapter	None
Enclosure Material	Plastic
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-10°C ~ 80°C (14°F ~ 176°F)
Humidity	0 ~ 90% RH
Dimensions (WxHxD)	110.0mm x 27.0mm x 65.0mm
Weight	100 g

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