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SmartAVI SKM-04-LT 4 Port KM Switch with USB 2.0 Sharing User Guide

Contents

SmartAVI SKM-04-LT 4 Port KM Switch with USB 2.0 Sharing

Product Information

Technical Specification

- **Signal Type:** USB 2.0, 1.1, and 1.0 w/ internal hub

- **CPU Ports**: (4) USB Type B (female)
- **User Control Interface:** (2) USB Type-A for KM connection only; (2) USB Type-A for USB 2.0 transparent
- **Control Buttons:** Via control @ 115200 bps
- **User Control Interface:** Via keyboard PASS Technology and Mouse Gesture Switching
- **Power Adapter:** 5VDC 2A
- **Dimensions:** Not specified
- **Weight:** Not specified
- **Approvals:** Not specified
- **Operating Temp.:** Not specified
- **Storage Temp.:** Not specified
- **Humidity:** Not specified
- **Emulation:** Not specified

What's in the Box

- 1 x SKM-04-LT – 4-Port KM Switch with USB 2.0 Sharing
- 1 x 5VDC 2A Power Supply
- 1 x Quick Start Guide

Product Usage Instructions

System Control
The SKM-04-LT can be controlled via RS-232 commands using HyperTerminal or an alternate terminal application. The connection settings are as follows:

- **Baudrate:** 115200
- **Data Bits**: 8
- **Parity:** None
- **Stop Bits**: 1
- **Flow Control:** None

Once connected to the SKM-04-LT via Serial, you will see the SKM-04-LT information when the device starts up.

RS-232 Commands and Keyboard Hotkeys

Command	HotKey
All USB	[CT] [CT] [#]
KM Only	[CT] [CT] c [#]
USB Only	[CT] [CT] u [#]
Reset Software	[CT] [CT] r
Factory Defaults	[CT] [CT] f
Get Port Status	N/A
Switch Resolution	Channel: 1-4 Resolution: 1 (1080p), 2 (4K), 3 (2K), 4 (720p)
Mouse Control Speed	(per resolution type) X and Y axes set in percent [0-500]
Get Resolution/Mouse Info	N/A

Hardware Installation

1. Ensure that power is turned off or disconnected from the unit and the computers.
2. Use a USB cable (Type-A to Type-B) to connect a USB port on each computer to the respective USB ports of the unit.
3. Connect a USB keyboard and mouse in the two USB console ports.
4. Finally, power on the KM by connecting a 5VDC power supply to the power connector, and then turn on all the computers.

Note: You can connect up to 4 computers to the 4 port KM.

Frequently Asked Questions (FAQ)

Q: How many computers can I connect to the SKM-04-LT?
A: You can connect up to 4 computers to the 4 port KM.

Q: What are the available RS-232 commands for controlling the SKM-04-LT?
A: The available RS-232 commands are as follows:

- **All USB:** [CT] [CT] [#]
- **KM Only**: [CT] [CT] c [#]
- **USB Only**: [CT] [CT] u [#]
- **Reset Software:** [CT] [CT] r
- **Factory Defaults:** [CT] [CT] f
- **Get Port Status:** N/A
- **Switch Resolution:**
    - **Channel:** 1-4,
    - **Resolution:** 1 (1080p), 2 (4K), 3 (2K), 4 (720p)
- **Mouse Control Speed:** (per resolution type) X and Y axes, set in percent [0-500]

- **Get Resolution**/**Mouse Info**: N/A

SKM-04-LT
4-Port KM Switch with USB 2.0 Sharing

TECHNICAL SPECIFICATION

USB	
Signal Type	USB 2.0, 1.1, and 1.0 w/ internal hub
CPU Ports	(4) USB Type B (female)
User Control Interface	(2) USB Type-A for KM connection only; (2) USB Type-A for USB 2.0 transparent
CONTROL	
Front Panel	Buttons
RS-232	Via control @ 115200 bps
Hot Keys	Via keyboard
Mouse	PASS Technology and Mouse Gesture Switching
OTHER	
Power Adapter	External 100-240 VAC/5VDC2A @ 24W
Dimensions	12.57" W x 1.76" H x 6.69" D
Weight	4.2 lbs
Approvals	UL, CE, ROHS Compliant
Operating Temp.	+32 to +104°F (0 to +40°C)
Storage Temp.	-4 to 140°F (-20 to +60°C)
Humidity	5 to 90% (No Condensation)
Emulation	Keyboard and Mouse

WHAT'S IN THE BOX

PART NO.	Q-TY	DESCRIPTION
SKM-04-LT	1	4-Port KM Switch with USB 2.0 Sharing
PS5VDC2A	1	5VDC 2A Power Supply
Quick Start Guide	1	

NOTICE

SYSTEM CONTROL

- The SKM-04-LT may also be controlled via RS-232 commands. To use these commands, you must use HyperTerminal or an alternate terminal application.
- **The settings for the connection are as follows:**
  - Baudrate 115200; Data Bits 8; Parity None; Stop Bits 1; Flow Control None.
  - Once you have connected to the SKM-04-LT via Serial, you will see the SKM-04-LT information when the device starts up.

The following commands can be used for RS-232 with available keyboard hotkeys:

Command	HotKey	RS-232
All USB	[CT] [CT] [#] <CR>	// **m** [#] <CR>
KM Only	[CT] [CT] **c** [#] <CR>	// **c** [#] <CR>
USB Only	[CT] [CT] **u** [#] <CR>	// **u** [#] <CR>
Reset Software	[CT] [CT] **r** <CR>	// **r** [#] <CR>
Factory Defaults	[CT] [CT] **f** <CR>	// **f** <CR>
Get Port Status	N/A	// **??** <CR>
Switch resolution Channel: 1-4 Resolution: 1 (1080p), 2 (4K), 3 (2K), 4 (720p	N/A	// **ce** [SB] [SKM #] [SB] [RES #]
Mouse control speed (per resolution type) X and Y axes set in percent [0-500]	N/A	// **mm** [SB] [RES #] [SB] [X #] [Y #]
Get resolution/ mouse info	N/A	// **rl** <CR>

CHART KEY

- [CT] = Ctrl
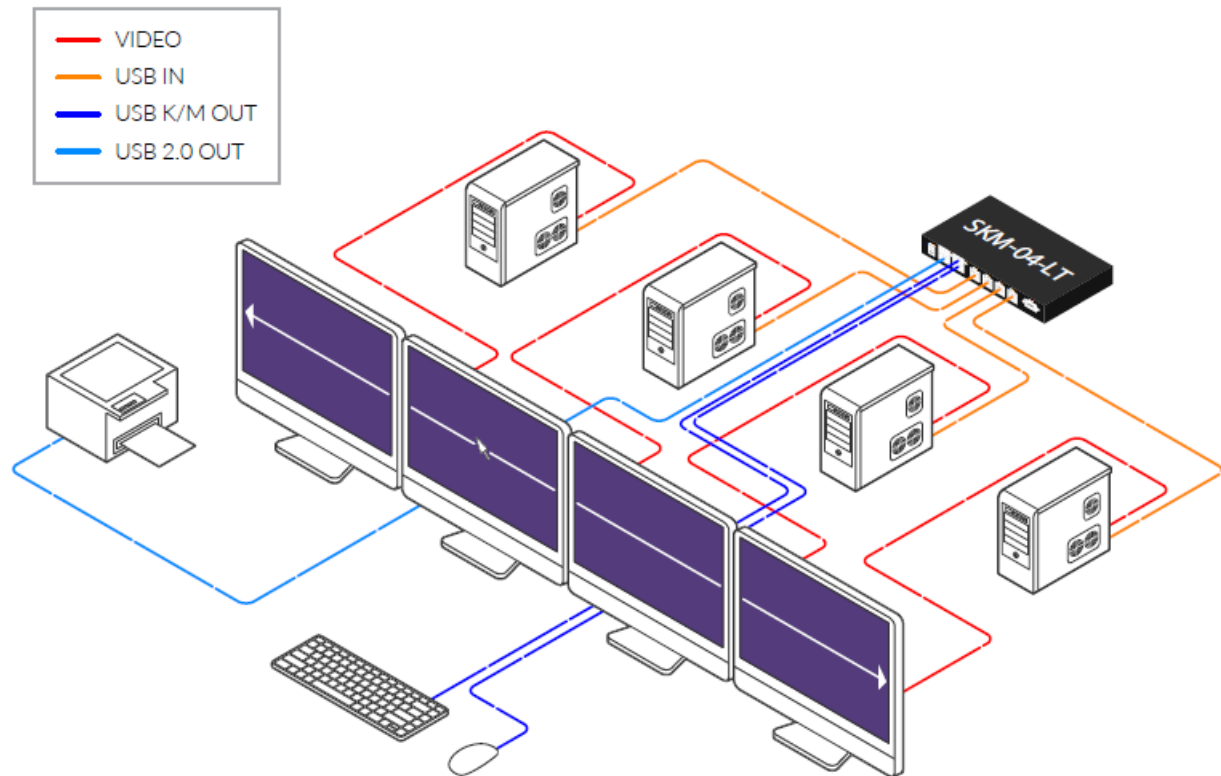- <CR> = Carriage Return (Enter Key)[SB] = Space Bar

HARDWARE INSTALLATION

1. Ensure that power is turned off or disconnected from the unit and the computers.
2. Use a USB cable (Type-A to Type-B) to connect a USB port on each computer to the respective USB ports of
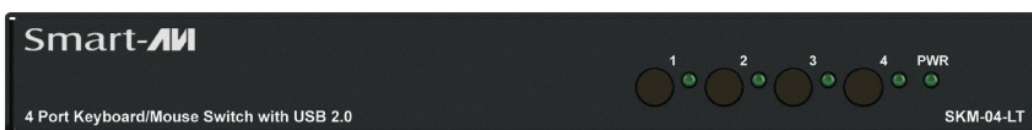
the unit.

3. Connect a USB keyboard and mouse in the two USB console ports.
4. Finally, power on the KM by connecting a 5VDC power supply to the power connector, and then turn on all the computers.

Note: You can connect up to 4 computers to the 4 port KM.

SKM-04-LT Back Panel

SKM-04-LT Front Panel

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Documents / Resources

	SmartAVI SKM-04-LT 4 Port KM Switch with USB 2.0 Sharing [pdf] User Guide SKM-04-LT 4 Port KM Switch with USB 2.0 Sharing, SKM-04-LT, 4 Port KM Switch with USB 2.0 Sharing, Switch with USB 2.0 Sharing, USB 2.0 Sharing
	SMARTAVI SKM-04-LT 4 Port KM Switch with USB 2.0 Sharing [pdf] User Guide SKM-04-LT 4 Port KM Switch with USB 2.0 Sharing, SKM-04-LT, 4 Port KM Switch with USB 2.0 Sharing, KM Switch with USB 2.0 Sharing, USB 2.0 Sharing, Sharing

References

- **Home - SmartAVI**
- **Home - SmartAVI**
- **User Manual**