TECHNICAL SPECIFICATION

VIDEOLink Rate5.4 Gbps/laneInput Interface(4) HDMI (female) Version 2.0Output Interface(1) HDMI (female) Version 2.0Resolution480i to 4Kx2K @ 60Hz (YUV420)Input EqualizationAutomaticVideo Bandwidth300 MHz, 10.2 GbpsHDCP CompliantYesInput/Output Max Cable Length20 ft (depending on cable quality)AUDIOInput InterfaceInput Interface(4) 3.5 mm Stereo AudioOutput Interface(1) 3.5 mm Stereo AudioOutput Interface(1) 3.5 mm Stereo AudioFrequency Response20Hz ~ 20KHzCommon ModeRejection @ 60dBNominal Level0.0 to 1.0 VUSBUSB 2.0, 1.1, and 1.0 w/ internal hubInput Interface(4) USB Type BOutput Interface(2) USB 1.1 Type A for K/M (2) USB 2.0 Type A TransparentCONTROLExternal 100-240 VAC/ SVDC4AFront PanelButtons (SELECT audio/video source)RS-232DB9 Female - 115200, N, 8, 1, No flow controlHot KeysVia KeyboardEmulationKeyboard, Video and MouseOTHER2" H x 5.75" D x 12.75" WWeight3.55 IbsApprovalsUL, CE, ROHS CompliantOperating Temp.32-131°F (0-55°C)Storage Temp.4-185°F (-20-85°C)HumidityUp to 95%	VIDEO				
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Storage Temp4-185 °F (-20-85 °C)					
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WHAT'S IN THE BOX

NOTICE

this material.

Technologies, Inc.

PART NO.	Q-TY	DESCRIPTION
UHDN-4P-S	1	4-Port Ultra 4K-60Hz HDMI KVM Switch
PS5VD4A	1	PS5VD4A Power Supply
Quick Start Guide	1	

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UHDN-4P

4-Port Ultra 4K-60Hz HDMI KVM Switch with USB 2.0 and Audio





MANAGE 4 COMPUTERS FROM A SINGLE WORKSTATION

800.AVI.2131, 702.800.0005

2455 W Cheyenne Ave, Suite 112 North Las Vegas, NV 89032

Quick Start Guide

SmartAVI.com

SYSTEM CONTROL

There are three ways to control the UHDN-4P: Keyboard HotKeys, RS-232 Serial Commands, and Front Panel Buttons.

The settings for the serial connection are as follows: Baud rate: **115200**; Data Bits: **8**; Parity: **None**; Stop Bits: **1**; Flow Control: **None**.

The following commands can be used:

Command	HotKey	RS-232
All USB, audio, video	[CTRL][CTRL] [port#][ENTER]	// m [port#] [ENTER]
Audio Only	[CTRL][CTRL] a [port#][ENTER]	// a [port#] [ENTER]
KM Only	[CTRL][CTRL] c [port#][ENTER]	// c [port#] [ENTER]
USB Only	[CTRL][CTRL] u[port#][ENTER]	// u [port#] [ENTER]
Learn EDID	[CTRL] [CTRL] e[ENTER]	//e[ENTER]
Trigger Hotplug	[CTRL] [CTRL] h [ENTER]	//h[ENTER]
Reset Software	[CTRL] [CTRL] r	//r[ENTER]
Factory Defaults	[CTRL] [CTRL] f	//f[ENTER]
Same as front panel ◀ M1 button	[HK][HK]↑	N/A
Same as front panel M2 ► button	[HK][HK]↓	N/A
Get Port Status	N/A	// ?? [ENTER]

CUSTOM HOTKEY TRIGGERS

Users are able to customize the keys that trigger Hotkeys. The following keys are allowed:

CTRL (Left/Right), ALT, SHIFT (Left/Right), Caps Lock, Scroll Lock, F1-F12

Change HK Trigger HK + HK + X + desired hotkey

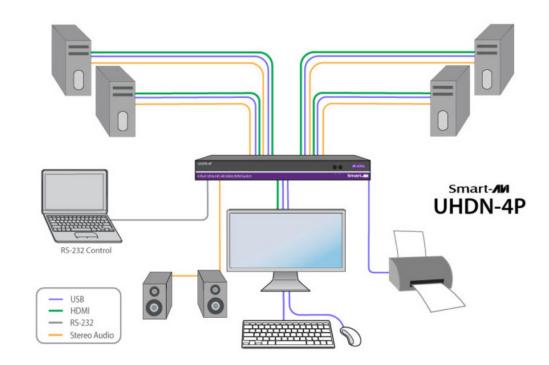
View Current HK Trigger Use the RS-232 command: //??[ENTER]

Reset HK Trigger Run "Factory Defaults" command.

Default HotKey Trigger CTRL (Left)

HARDWARE INSTALLATION

- 1. Ensure that power is disconnected from the UHDN-4P.
- 2. Connect the HDMI cables and USB cables (male-A to male-B) from the computers to the respective ports on the UHDN-4P.
- 3. Optionally connect audio cables from the computers to the respective ports on the UHDN-4P.
- 4. Optionally connect RS-232 for control functions.
- 5. Connect the USB keyboard and mouse to the two USB ports with keyboard and mouse symbols.
- 6. Optionally connect speakers to the UHDN-4P.
- 7. Optionally connect up to 2 USB peripheral devices such as printers or flash drives.
- 8. Connect the display monitor to the OUTPUT connector on the UHDN-4P.
- 9. Power on the UHDN-4P.



UHDN-4P FRONT



