SAVANT

Savant® 4K HDR HDBaseT Matrix Switcher
Quick Reference Guide

Box Contents

- (1) 4K HDBaseT Matrix Switcher (SLN-xxVLC4K)
- (1) AC Power Cord
- (8) IR Connector Cables for the SLN-88VLC4K
- (4) IR Connector Cables for the SLN-44VLC4K
- (2) Mounting Brackets
- (8) Mounting Bracket Screws
- (1) Product Regulatory Insert (009-1950-xx)

Accessories (sold separately)

- HRX-4KVLC40-xx
- HRX-4KVLC100-xx

Supported Receivers

- HRX-4KVLC40
- HRX-4KVLC100
- HCX-4KHDR40
- HCX-4KHDR100
- HRX-SLN501 (does not support 4K, requires the 5V DC power supply PWR-5025)

Front Panel

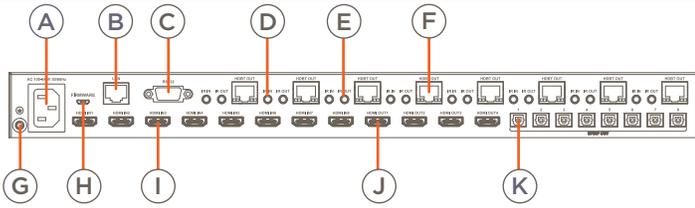|		
A	Reset	Press and Hold for 5s until the Status LED Blinks Rapidly then release to reset the network settings.
B	Power LED	**Off:** The matrix is powered off. **Green:** The matrix is powered on.
C	Status LED	**Off:** Does not have a valid IP address **Green:** Network is connected. **Green Rapid Blinking:** Reset network settings. **Green Slow Blinking:** Firmware is being upgraded.
D	Power Switch	Press to power on/off the matrix.

Specifications

Environmental

Temperature	32° to 104° F (0° to 40°C)
Humidity	10% to 90% (non-condensing)

Dimensions and Weights

	Height	Width	Depth	Weight
Device	1.71 in (4.35 cm)	17.30 in (44.0 cm)	13.00 in (33.0 cm)	10.9 lbs (4.95 kg)
Shipping	6 in (15.24 cm)	16 in (40.64 cm)	21 in (53.34 cm)	14 lbs (6.33 kg)
Rack Space	1U			

Power

Input	100/240V AC (50/60 Hz)
Maximum	172.45W
Power over HDBaseT(PoH) Output	⚠ **IMPORTANT!** This cannot be disabled.

Video

HDR	Supported		
Supported Formats	720X576P[4] 800x600[5] 1024x768[5] 1280x720P[5,6] 1280x768[5] 1280x800[5]	1280x960[5] 1280x1024[5] 1360x768[5] 1366x768[5] 1440x900[5] 1600x900[5]	1600x1200[5] 1680x1050[5] 1920x1080P[1,3,4,5] 1920x1200[5] 3840x2160[1,2,3,4,5] 4096x2160[1,2,3,4,5]

1 = at 24 Hz | 2 = at 25 Hz | 3 = at 30 Hz | 4 = at 50 Hz | 5= at 60Hz

Audio

Supported Formats	**HDMI/HDBaseT**: Pass-through of all HDMI audio formats are supported. **Digital Audio Out**: Up to Dolby 5.1, DTS 5.1

Regulatory

Safety and Emissions	FCC Part 15 FC	CE CE	C-Tick	ETL Intertek	UKCA UKCA
RoHS	Compliant				

Minimum Supported Release

Savant OS	da Vinci 9.2

Network Guidelines

For more information, see the **Savant Device Networking Guidelines** on the Savant Customer Community.

Rear Panel

A	Power Input	100/240V AC (50/60 Hz).
B	Ethernet	8-Pin RJ-45 female connection. Used to communicate with the Savant System Host.
C	RS-232 Input	Serial Control from a control system. Not used in a Savant Deployment.
D	IR In	Receives IR Signals from a Savant or 3rd party controller to be transmitted to an HDBaseT receiver located at the endpoint.
E	IR Out	Sends IR signals transmitted from an HDBaseT receiver located at the endpoint to a Savant or 3rd party controller. This port can connect to an IR Flasher directly to an IR IN port on a device.
F	HDBaseT Out	8-pin RJ-45 female connection. Connects to compatible HDBaseT receivers via Cat 5e/6/7 cable to extend audio, video, and IR signal up to 100m. Also supplies power to the receiver.
G	Ground	Chassis Ground (optional)
H	Firmware	Not Used
I	HDMI In	(4 or 8) 19-Pin Type A HDMI female digital audio/video input. Supports HDMI 2.0a

HDMI 2.0 compliant cable is required for 4K content. |
| **J** | HDMI Out | (4) 19-Pin Type A HDMI female digital audio/video output. Supports HDMI 2.0a. HDMI 2.0 compliant cable is required for 4K content.

Mirrors HDBaseT output of the same number. |
| **K** | SPDIF Out | (4 or 8) Digital optical preamp output (TOSLINK), line-level 96kHz/24-bit output, fixed volume.

These audio outputs are linked to the HDMI input of the same number.

NOTE: This port supports up to Dolby 5.1, DTS 5.1. |

IR Wiring

IR Control is pass-through only.

IR Connector Cable
Connect to 3.5 mm IR In to pass-through IR control from a Savant Controller.

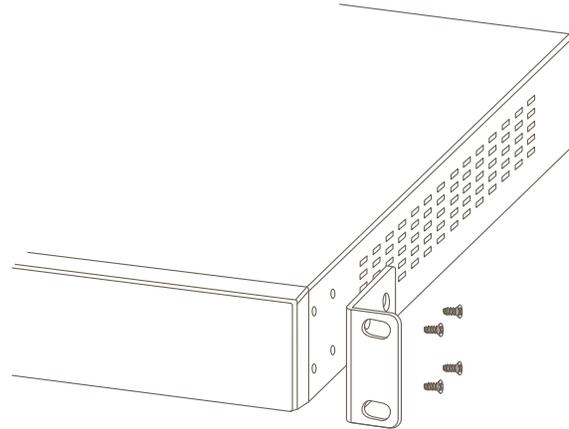| Pin 1	Not Used
Pin 2	IR + (Red)
Pin 3	IR - (Black)
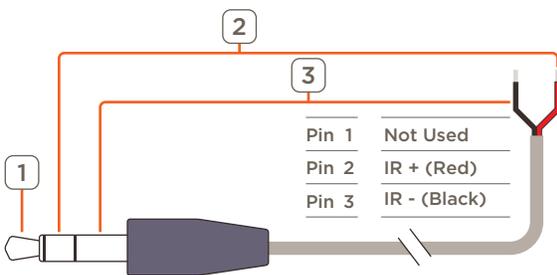
Installation

The SLN-xxVLC4K can be mounted in any standard 19-inch National Electrical Manufacturers Association (NEMA) rack.
To install the mounting brackets do the following:

1. Align the mounting bracket with the treaded holes on the side as shown below.

2. Secure with the included Bracket Screws.
3. Repeat steps 1 and 2 for the other side of the device.

HDBaseT Cable Information

Category 6 or greater twisted pair cable with RJ45 connectors between the transmitter and the receiver is recommended.
TIA/EIA-568B straight-through wiring connections must be used.

HRX-4KVLC100
Transport Distance (4K)

Cat5e/6	230ft (70m)
Cat6a/7	328ft (100m)

Transport Distance (1080P)

Cat5e/6	328ft (100m)
Cat6a/7	328ft (100m)

HRX-4KVLC40
Transport Distance (4K)

Cat5e/6	115ft (35m)
Cat6a/7	131ft (40m)

Transport Distance (1080P)

Cat5e/6	197ft (60m)
Cat6a/7	230ft (70m)

TIA/EIA-568B
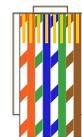
RJ-45 Connector
(Gold pins facing up)

Further Product Information

To view available documentation, detailed product specs, and more:

–   Visit the Savant Knowledge tab via the Savant Customer Community to search all Savant documentation.