




# SAVANT

## Savant® 4K HDR HDBaseT Matrix Receiver [HRX-4KVLCxxx] Quick Reference Guide

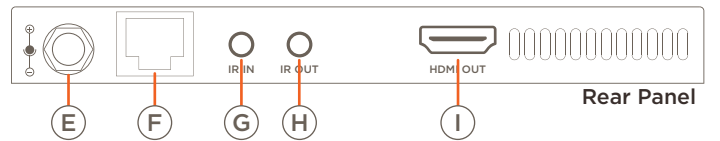
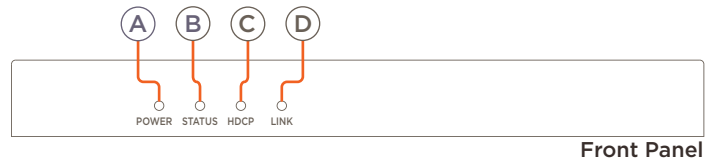
### Box Contents

- (1) 4K HDBaseT Matrix Receiver (HRX-4KVLCxxx)
- (1) IR Emitter
- (2) Mounting Brackets
- (4) Mounting Bracket Screws
- (1) Product Regulatory Insert (009-1856-xx)

### Specifications

Environmental			
Temperature	32° to 104° F (0° to 40°C)		
Humidity	10% to 90% (non-condensing)		
Dimensions and Weights			
Height	0.60 in (15.2 mm)		
Width	5.37 in (136.4 mm)		
Depth	2.92 in (74.2 mm)		
Weight	Net: 0.42 lbs (0.19 kg) Shipping: 2.05 lbs (0.93 kg)		
Power			
Input	DC 18V 1A		
Maximum	6.84W		
Power over Cable (PoC) Input	Can be used to power the receiver.		
Video			
HDR	Supported		
Supported Formats	720X576P <sup>4</sup>	1280x960 <sup>5</sup>	1600x1200 <sup>5</sup>
	800x600 <sup>5</sup>	1280x1024 <sup>5</sup>	1680x1050 <sup>5</sup>
	1024x768 <sup>5</sup>	1360x768 <sup>5</sup>	1920x1080P <sup>1,3,4,5</sup>
	1280x720P <sup>5,6</sup>	1366x768 <sup>5</sup>	1920x1200 <sup>5</sup>
	1280x768 <sup>5</sup>	1440x900 <sup>5</sup>	3840x2160 <sup>1,2,3,4,5</sup>
	1280x800 <sup>5</sup>	1600x900 <sup>5</sup>	4096x2160 <sup>1,2,3,4,5</sup>
1 = at 24 Hz   2 = at 25 Hz   3 = at 30 Hz   4 = at 50 Hz   5 = at 60Hz			
Audio			
Supported Formats	Pass-through of all HDMI audio formats are supported.		
Regulatory			
Safety and Emissions	FCC Part 15 	CE 	C-Tick 
RoHS	Compliant		
Minimum Supported Release			
Savant OS	da Vinci 9.2		

### Device



<b>A</b> Power LED	<b>Off:</b> Device is off. No power applied. <b>Red:</b> Main board is powered.
<b>B</b> Status LED	<b>Off:</b> HDBaseT processor is not running. <b>Blinking Blue:</b> HDBaseT processor is running.
<b>C</b> HDCP LED	<b>Off:</b> No HDMI stream. <b>Blue:</b> HDCP present in HDMI stream. <b>Rapid Blinking Blue:</b> Non-encrypted HDCP signal.
<b>D</b> Link LED	<b>Off:</b> No connection established. <b>Blue:</b> Connection established between Transmitter and Receiver.
<b>E</b> Power Input	12V DC locking power connection. (Only one power connection needed.)
<b>F</b> HDBaseT In	RJ-45 HDBaseT connection.
<b>G</b> IR In	3.5 mm IR input for IR pass-through. Transmits IR signals via an IR Flasher (5V tolerant) to devices with an IR input or IR receiver.
<b>H</b> IR Out	3.5 mm IR output connection. Transmits IR signals via an IR Flasher (5V tolerant) to devices with an IR input or IR receiver.
<b>I</b> HDMI Out	19-Pin Type A HDMI female digital audio/video output. Supports HDMI 2.0b HDMI 2.0 compliant cable required for 4K content.

### 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

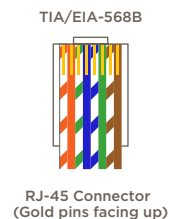
Transport Distance (4K)	
Cat5e/6	230ft (70m)
Cat6a/7	328ft (100m)

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)

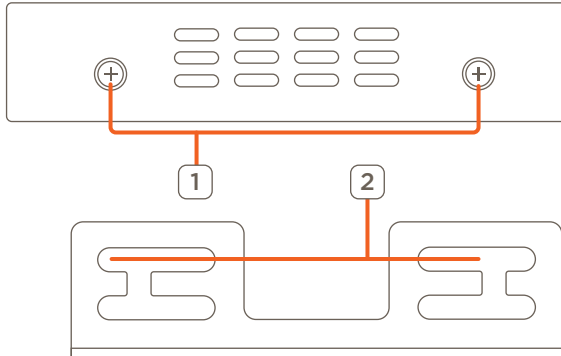


## Installation

An HDBaseT receiver can be placed on a standard 1U rack shelf. Or the extender can be installed using the included mounting brackets.

To install the mounting brackets follow the steps below.

1. Remove the two case screws on the side of the device (Shown in the image below).
2. Align the bracket using the top of the slot.  
**NOTE:** This will leave an air gap behind the device.
3. Use the mounting screws to attach the bracket.



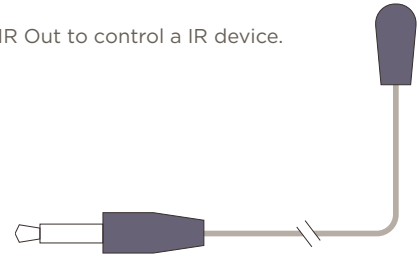
4. Repeat steps 1 to 3 for the other side.

## IR Wiring

IR Control is pass-through only.

### IR Emitter

Connect to 3.5 mm IR Out to control a IR device.



## 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.