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SWT3-31-HU Quick Start Guide

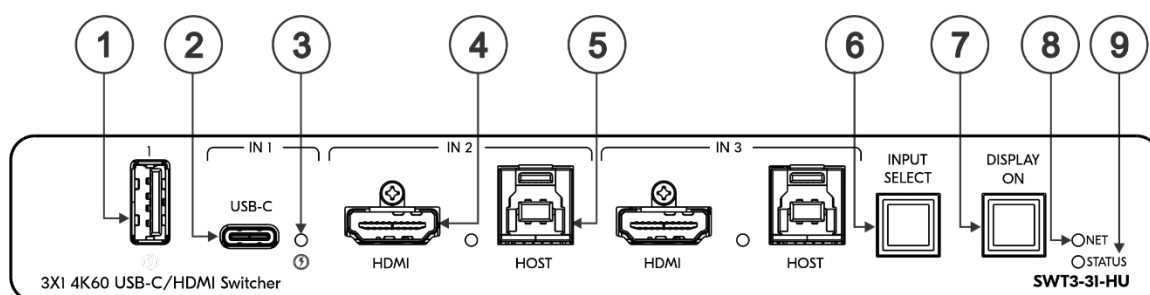
This guide helps you install and use your **SWT3-31-HU** for the first time.

Go to www.kramerav.com/downloads/SWT3-31-HU to download the latest user manual and check if firmware upgrades are available.

Step 1: Check what's in the box

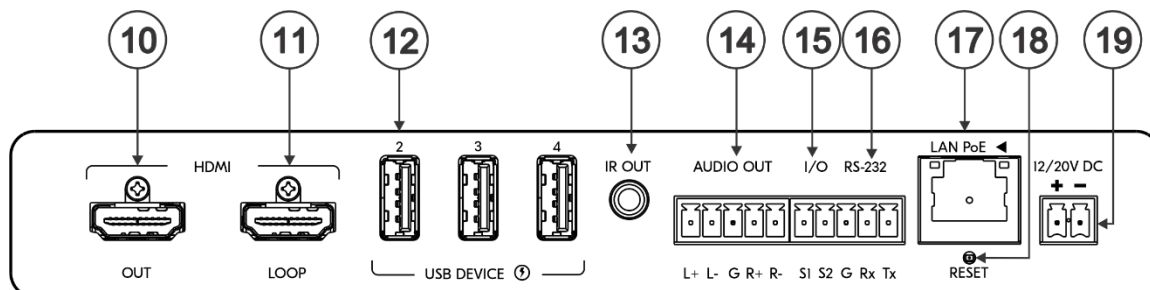
- ✓ **SWT3-31-HU** 3x1 4K60 USB-C/HDMI Switcher
- ✓ 1 Multi signal USB-C cable (1m)
- ✓ 4 Rubber feet
- ✓ 1 Bracket set
- ✓ 1 Power adapter and cord
- ✓ 1 Quick start guide

Step 2: Get to know your SWT3-31-HU



#	Feature		Function								
1	USB Type A Port		Connect to the USB local devices (for example, a USB PTZ camera).								
2	USB-C IN 1 Port		Connect to USB-C AV sources: - that support DisplayPort Alternate Mode, for example, a laptop) to share content. - to communicate with the USB devices (for example, a PTZ camera) that are connected to the device, - to connect to the LAN - to charge the connected sources (that supports USB Power Delivery 2.0).  Make sure to disconnect the USB-C cable from your host device before modifying the USB type, or before performing a factory reset.  After modifying the USB device type via the web, power cycle the unit after the webpage indicates that the process is complete.  While charging, the charging icon (to the right of the connector) becomes visible and lights orange.								
3	IN Status LED 1 to 3 (per input port)		<table><tr><th>LED Status</th><th>Indicates</th></tr><tr><td>Lights blue</td><td>An input is selected and connected with an active AV or USB source.</td></tr><tr><td>Flashes blue</td><td>An input is selected and has no active AV signal.</td></tr><tr><td>Off</td><td>An input is not selected and has an active AV signal.</td></tr></table>	LED Status	Indicates	Lights blue	An input is selected and connected with an active AV or USB source.	Flashes blue	An input is selected and has no active AV signal.	Off	An input is not selected and has an active AV signal.
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4	IN Ports (2 and 3)	HDMI	Connect to an HDMI source.								
5		HOST USB B 3.2 Connector	Connect to a USB host (for example, a room PC) to communicate with the USB devices (for example, a PTZ camera) connected on this device.								
6	INPUT SELECT Button		Press to select an input. Each press toggles to the next input.								
7	DISPLAY ON Button		Press to turn display On/Off. Button LED lights on sending Display On message. Button LED turns off on sending Display Off message.								
8	NET LED		<table><tr><th>LED Status</th><th>Indicates</th></tr><tr><td>Lights green</td><td>A valid IP address has been acquired.</td></tr><tr><td>Flashes green for 60s</td><td>A means to identify the device in a system, using command #IDV.</td></tr></table>	LED Status	Indicates	Lights green	A valid IP address has been acquired.	Flashes green for 60s	A means to identify the device in a system, using command #IDV.		
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#	Feature	Function	
		Flashes green	When the IP mode is set to DHCP, the unit fails to obtain an IP address through a DHCP server and is assigned a default IP address.
9	STATUS LED	LED Status	Indicates
		Not lit	No power detected
		lights white	PSU-powered on (only).  This is applicable when power supply is PoE mode.
		Lights blue	Power is on and a source is connected.
		Lights green	Power is on, and a source and an acceptor are connected.



#	Feature	Function
10	HDMI OUT Connector	Connect to an HDMI acceptor.
11	HDMI LOOP Connector	Connect to a local acceptor.
12	USB DEVICE Type A Port (2 to 4)	Connect to the USB local devices (for example, a USB camera, a soundbar, microphone and so on).
13	IR OUT 3.5mm Mini Jack	Outputs an IR signal, per command from LAN-connected controller (for example, from KC-VB1), to a connected IR emitter.
14	AUDIO OUT 5-pin Terminal Block Connector	Connect to a balanced stereo analog audio acceptor.
15	I/O 2-pin Terminal Block (S1 to S2)	Connect to: - Input-triggering devices (for example, remote buttons or sensors), OR - Output-triggered devices (for example, remote alarm LED indication). These GPIO ports may be configured as a digital input, digital output, or analog input ports.
16	RS-232 3-pin Terminal Block	Connect to an RS-232 controlled device (for example, the connected PTZ USB camera) to be controlled via an IP-connected controller (for example, SL-240C).
17	LAN PoE RJ-45 Connector	Connect to LAN. The device accepts power from the LAN port.
18	RESET Recessed Button	For restoring factory default settings, press the RESET button and connect power to device (keep pressing longer than 6sec after power connection)
19	12/20V DC Power Connector	Use the included +20V 6A power supply for powering the unit and charging the source device connected to the USB-C port, or For powering the unit, without USB-C charging support, use PoE powering or an optional +12V DC 5A power adapter (purchased separately).  For HW Rev 02 and higher, 20V PSU (power supply unit) is included (replacing the 12V PSU).

Step 3: Mount SWT3-31-HU

Install **SWT3-31-HU** using one of the following methods:

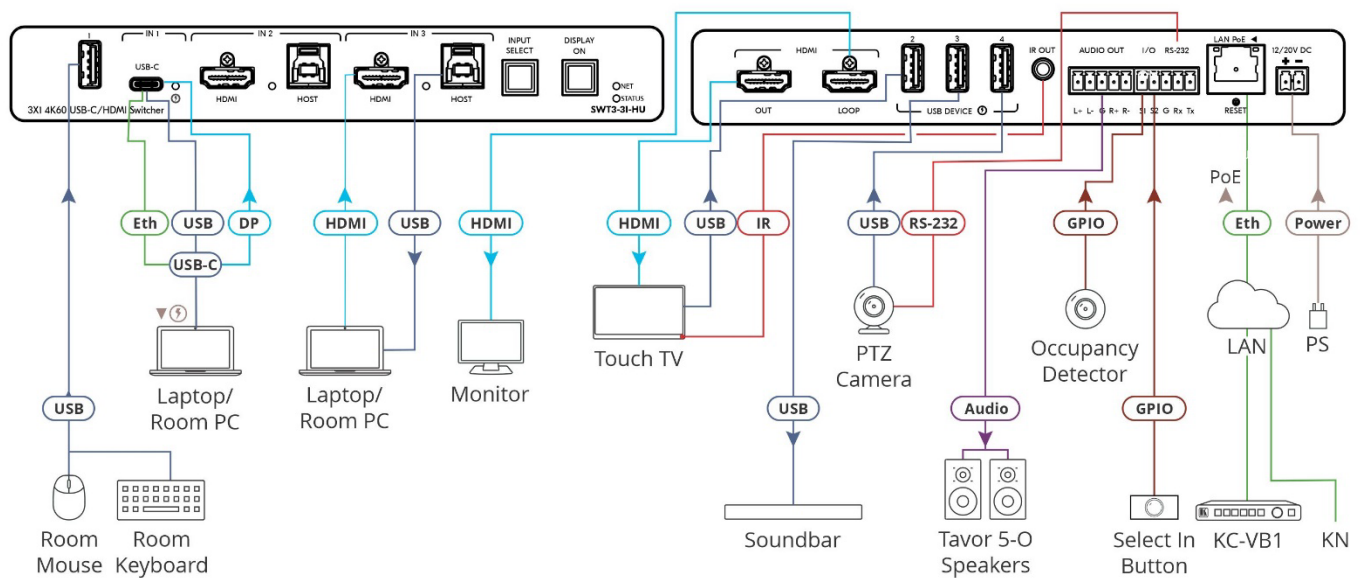
- Attach the rubber feet and place the unit on a flat surface.
- Mount the unit in a rack using the recommended rack adapter
(see www.kramerav.com/downloads/SWT3-31-HU)



- Ensure that the environment (e.g., maximum ambient temperature & air flow) is compatible for the device.
- Avoid uneven mechanical loading.
- Appropriate consideration of equipment nameplate ratings should be used for avoiding overloading of the circuits.
- Reliable earthing of rack-mounted equipment should be maintained.
- Maximum mounting height for the device is 2 meters.

Step 4: Connect inputs and outputs

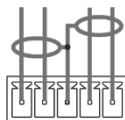
Always switch OFF the power on each device before connecting it to your **SWT3-31-HU**.



Regarding power options, see next section.

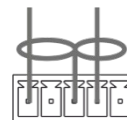
Connecting the audio output

To a balanced stereo audio acceptor:



L+ L- G R+ R-

To an unbalanced stereo audio acceptor:



L+ L- G R+ R-

Step 5: Connect power

Power the device via the LAN port. If required, such as to enable the USB-C port to charge its connected devices, connect the supplied power adapter to **SWT3-31-HU** and plug it into the mains electricity.

Safety Instructions (See www.kramerav.com for updated safety information)

Caution:

- For products with relay terminals and GPIO ports, please refer to the permitted rating for an external connection, located next to the terminal or in the User Manual.
- There are no operator serviceable parts inside the unit.

Warning:

- Use only the power cord that is supplied with the unit.
- Disconnect the power and unplug the unit from the wall before installing.



Step 6: Operate SWT3-31-HU

Operate **SWT3-31-HU** via:

- Front panel buttons.
- Remotely, by IP or RS-232 serial commands transmitted by a touch screen system, PC, or other serial controller.
- Device web pages via the IP client connection.

RS-232 Control / Protocol 3000			
Baud Rate:	115,200	Parity:	None
Data Bits:	8	Command Format:	ASCII
Stop Bits:	1		
Example: (flash LEDs on the front panel for 60 seconds): #IDV<CR>			
Default IP Parameters – DHCP ON			
Fallback IP Address:	192.168.1.39	UDP Port #:	50000
Subnet mask:	255.255.255.0	TCP Port #:	5000
Gateway:	192.168.0.1	User/Password	Admin/Admin
Factory Reset			
Protocol 3000:	" #FACTORY" command. After receiving "FACTORY OK" perform one of the following to restart the device and complete the procedure: • Power cycle • Send command " #RESET"		
Web Pages:	In the Settings page, click Factory Reset.		

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