kramer

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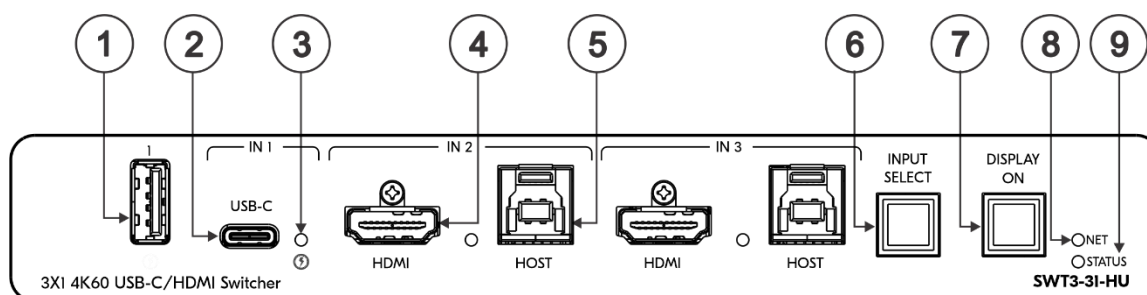
This guide helps you install and use your **SWT3-31-HU** for the first time.

Go to www.kramerav.com/downloads/SWT3-31-HU to download the latest user manual and check if firmware upgrades are available.
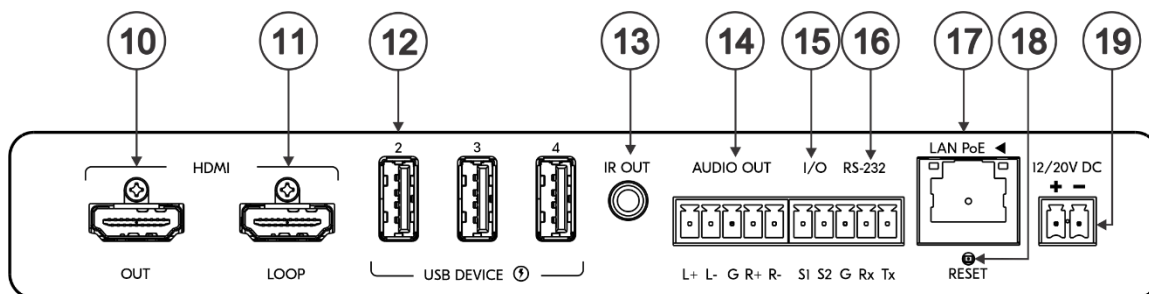
Step 1: Check what's in the box

- ☑ **SWT3-31-HU** 3x1 4K60 USB-C/HDMI Switcher
- ☑ 1 Bracket set
- ☑ 1 Power adapter and cord
- ☑ 4 Rubber feet
- ☑ 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 a USB-C AV source (that supports DisplayPort Alternate Mode). Charges the connected source (that supports USB Power Delivery 2.0) up to 60W when the device is powered via the power adapter. 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)		**LED Status**	**Indicates**
			Lights blue	An input is selected and connected with an active AV or AV+USB source.
			Flashes blue	An input is selected and has no active AV signal.
			Lights blue	An input is selected and connected with an active USB host only (no AV).
			Off	An input is not selected and has an active AV signal.
4	IN Ports (2 and 3)	HDMI	Connect to an HDMI source.	
5		HOST USB B 3.1 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.	
7	DISPLAY ON Button		Press to turn display on/off. You can also configure button functionality via UI.	
8	NET LED		**LED Status**	**Indicates**
			Dark	No IP address acquired.
			Lights green	A valid IP address has been acquired.
			Flashes green for 60s	A means to identify the device in a system.
			Flashes red/green	IP fallback address has been acquired.
			Flashes red	IP address access has been blocked by security.
9	STATUS LED		**LED Status**	**Indicates**
			Dark	Power is off
			lights white	PSU-powered on (only).
			Lights blue	Power is on and a source is connected.
			Lights green	Power is on, and a source and an acceptor are connected.

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

P/N: 2900-301586QS   Rev: 1

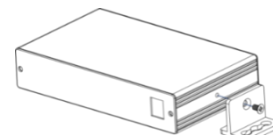| #	Feature	Function
10	HDMI OUT Connector	Connect to an HDMI acceptor.
11	HDMI LOOP Connector	Connect to a local acceptor.
12	USB DEVICE Type A Port (2 to 4)	Connect to the USB local devices (for example, a USB camera, a soundbar, microphone and so on).
13	IR OUT 3.5mm Mini Jack	Outputs an IR signal, per command from LAN-connected controller (for example, from **SL-240C**), 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	Press and hold while connecting the power for several seconds to reset device to its factory settings.
19	12/20V DC Power Connector	Use the included +12V 5A connector for powering the unit, or a +20V DC 6A power adapter (purchased separately) for powering and charging the source device connected to the USB-C port.

Step 3: Mount SWT3-31-HU

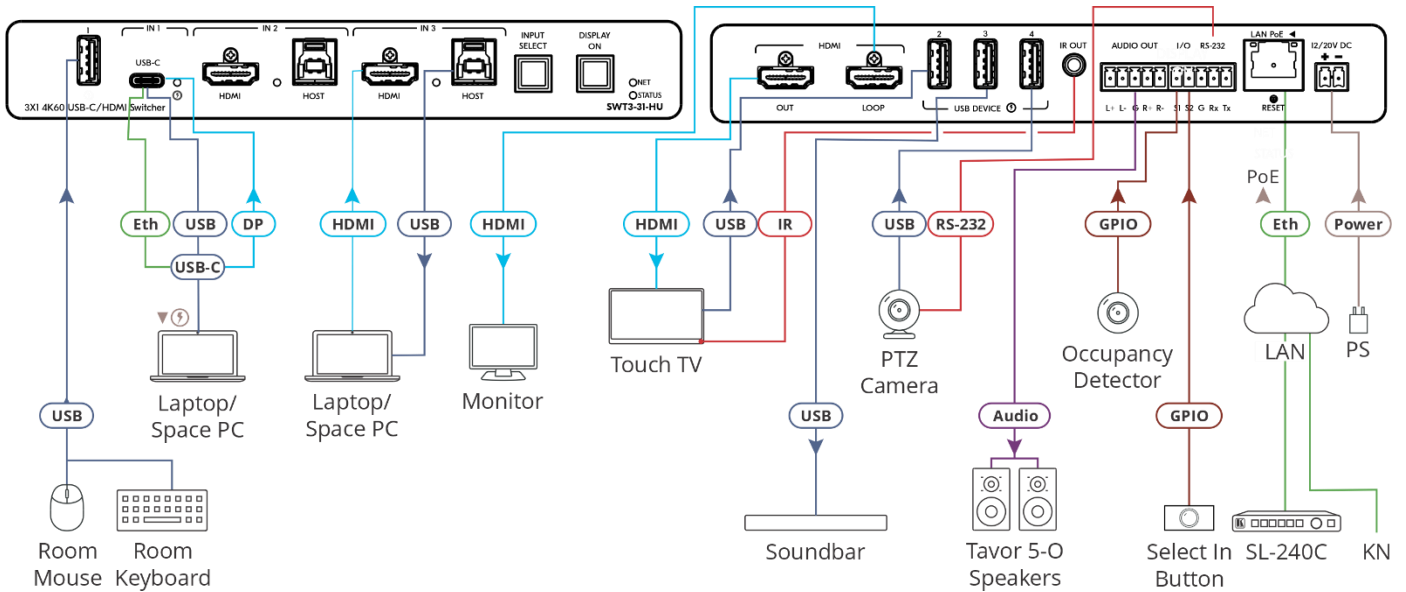Install **SWT3-31-HU** using one of the following methods:

- Attach the rubber feet and place the unit on a flat surface.
- Fasten a bracket (included) on each side of the unit and attach it to a flat surface (see www.kramerav.com/downloads/SWT3-31-HU).
- Mount the unit in a rack using the recommended rack adapter (see www.kramerav.com/product/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.
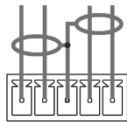
Step 4:   Connect inputs and outputs

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

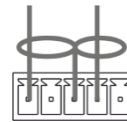

ⓘ   Regarding power options, see next section.

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, connect the 12V power to the adapter power cord and to **SWT3-31-HU** and plug it into the mains electricity. Use the supplied 12V to power the device or the 20V power adapter (purchased separately) to power the device and enable the USB-C port to charge it's connected devices.

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): `#FLAG-ME<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.		
Web Pages:	In the Settings page, click Factory Reset.		

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