kramer

SWT3-31-HU-TR Quick Start Guide

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

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

Step 1: Check what's in the box
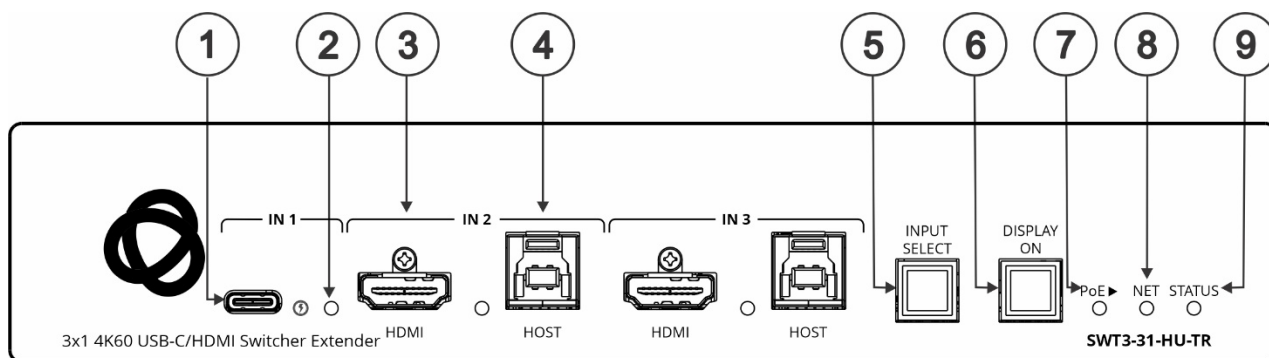
- ☑ **SWT3-31-HU-TR** 3x1 4K60 USB-C/HDMI Switcher Extender
- ☑ 1 Power adapter and cord
- ☑ 1 Multi signal USB-C cable (1m)
- ☑ 4 Rubber feet
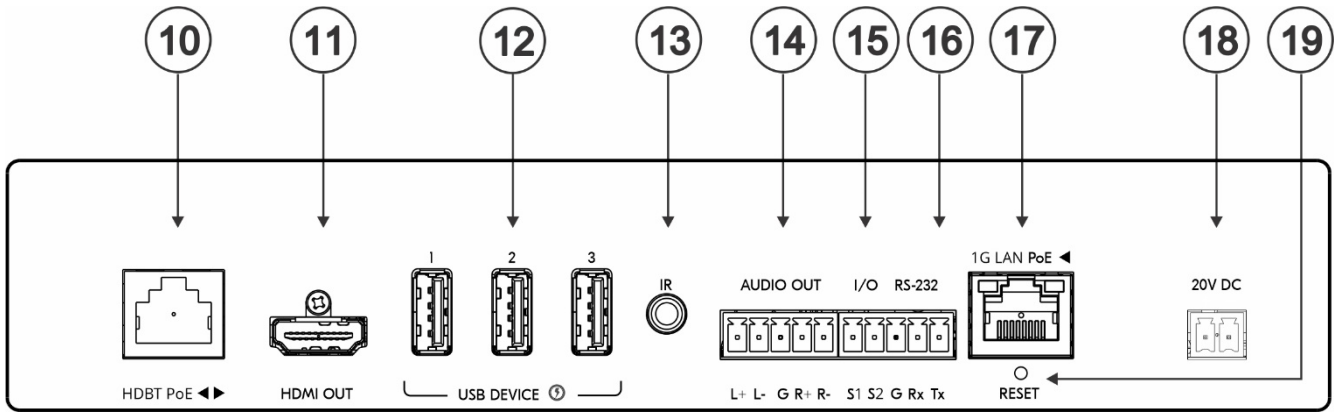- ☑ 1 Quick start guide

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

ⓘ Configuring the device as transmitter (Tx) or receiver (Rx, default) is done via the embedded webpages settings.

#	Feature		Function
1	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).
			ⓘ While charging, the charging icon (to the right of the connector) becomes visible and lights orange.

2	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 green	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.

#	Feature		Function
3	IN Ports (2 and 3)	HDMI	Connect to an HDMI source.
4		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.
5	INPUT SELECT Button		Press to select an input. Each press toggles to the next input.
			ⓘ 1-3 inputs for Tx mode, 1-4 inputs for Rx mode.
6	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.
7	PoE► LED		Lights green when the device provides PoE to a connected device.

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

P/N: 2900- 301704QS   Rev: 1

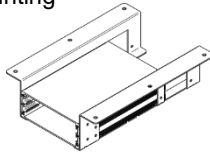| #	Feature	Function	
8	NET LED	**LED Status**	**Indicates**
		Dark	No IP address acquired.
		Lights green	A valid IP address has been acquired.
		Flashes green for 60 seconds	A means to identify the device in a system, using command #IDV.
9	STATUS LED	**LED Status**	**Indicates**
		Dark	Power is off
		lights white	PoE powering is active.
		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	HDBT PoE RJ-45 Connector	Connect to the HDBT RJ-45 connector to a paired receiver (when set to OUT on Tx mode) or transmitter (when set to IN on Rx mode) device that receives or provides PoE (for example, EXT3-21-XR-TR). ⓘ HDBT provides PoE only when the device is PSU-powered. HDBT is IN 4 on Rx mode.
11	HDMI OUT Connector	Tx Mode: Connect to a local HDMI acceptor (for example, a monitor).
		Rx Mode: Connect to an HDMI acceptor.
12	USB DEVICE A 3.1 Port (1 to 3)	Connect to the USB local devices (for example, a USB camera, a soundbar, microphone and so on).
13	IR 3.5mm Mini Jack	Connect to an IR emitter or sensor cable for IR extension over HDBT, or IR emitter for IR signal output per command from LAN-connected controller (for example, from **SL-240C**).
14	AUDIO OUT 5-pin Terminal Block Connector	Connect to a balanced stereo analog audio acceptor.
15	I/O 3-pin Terminal Block (S1 to S2) (GND is common for I/O and RS-232).	Connect to: • Input-triggering devices (for example, remote buttons or sensors), **OR** • Output-triggered devices (for example, remote alarm LED indication). Each of these GPIO ports may be configured as a digital input, digital output, or an analog input port.
16	RS-232 3-pin Terminal Block	• Connect and control the SWT3-31-HU-TR unit (default). • 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	1G LAN PoE RJ-45 Connector	Connect to LAN. The device accepts power from the LAN port.
18	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.
19	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).

Step 3: Mount SWT3-31-HU-TR

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

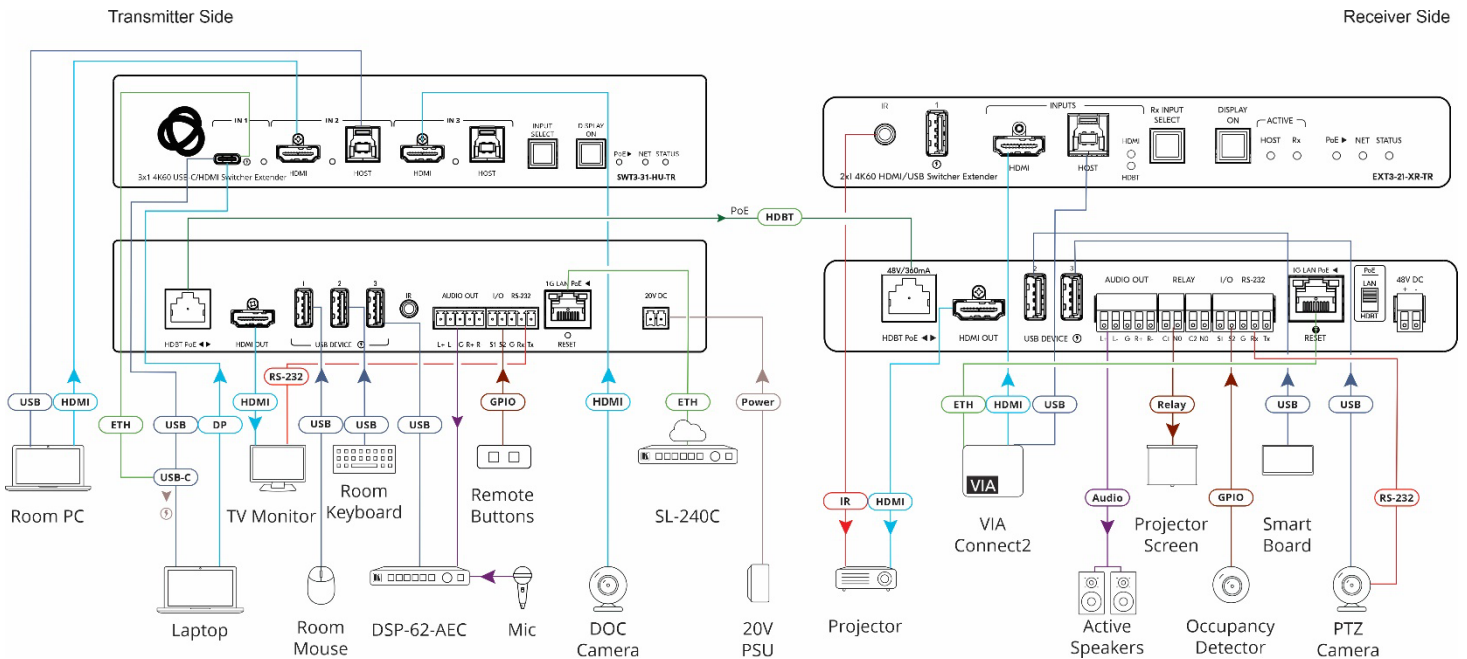- Mount device with its recommended mounting accessory to the underside of the table and secure.

⚠️
- 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.

- Mount the unit in a rack using the recommended rack adapter
  (see www.kramerav.com/downloads/SWT3-31-HU

- Attach the rubber feet and place the unit on a flat surface.
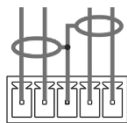
Step 4: Connect inputs and outputs

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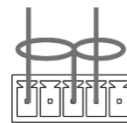

ⓘ Regarding power options, see next section.

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 or HDBT port. Use the supplied 20V power adapter to power the device and enable the USB-C port to charge its connected devices.

⚠️ Safety Instructions (See www.kramerav.com for updated safety information)
Caution:
- For products with relay terminals and GPI\O 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-TR

Operate **SWT3-31-HU-TR** 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.		