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Kramer SWT3-41-U 4×1 USB Switcher User Guide

Contents

Kramer SWT3-41-U 4×1 USB Switcher

Product Information

Specifications

- Model: SWT3-41-U
- Number of USB-C Ports: 2
- Number of USB-B 3.1 Connectors: 2
- Number of USB-A 3.1 Ports: 3
- Number of USB-C Ports: 1
- Number of I/O 3-pin Terminal Block Ports: 2
- Number of RS-232 3-pin Terminal Block Ports: 1
- LAN PoE RJ-45 Connector: Yes
- 12/20V DC Power Connector: Yes
- RESET Recessed Button: Yes

Product Usage Instructions

Step 1: Check what's in the box

The following items should be included:

- SWT3-41-U 4×1 USB Switcher
- 1 Power adapter and cord
- 1 Multi-signal USB-C cable (1m)
- 1 Bracket set
- 4 Rubber feet
- 1 Quick start guide

Step 2: Get to know your SWT3-41-U

The SWT3-41-U has the following features:

1. **HOST on USB-C ports (1 to 2)**: Connect to a USB-C host (e.g. a room PC) to communicate with the USB devices connected to the USB device ports on the rear panel and connect to the LAN. HOST 1 can also charge the connected host (up to 60W) when powered via the optional power adapter.
2. **HOST SELECT Buttons (1 to 4)**: Press to select a host.
3. **NET LED**: Indicates the network status. The LED can be dark (no IP address acquired), green (valid IP addressacquired), flashing green for 60s (device identification), or flashing red/green (fallback IP address acquired).
4. **STATUS LED**: Indicates the power status. The LED can be dark (power off), white (PSU-powered on), yellow (powered by PoE), or blue (power on and a source is connected).
5. **HOST USB B 3.1 Connectors (3 to 4)**: Connect to a USB host to communicate with USB devices connected to this device and connect to the LAN.
6. **USB DEVICE USB A 3.1 Ports (1 to 3)**: Connect to USB local devices such as cameras, soundbars, microphones, etc.
7. **USB-C Port (4)**: Connect to USB local devices. Note that this port does not provide Power Delivery 2.0.
8. **I/O 3-pin Terminal Block (S1 to S2)**: GPIO ports that can be configured as digital input, digital output, or analog input ports.
9. **RS-232 3-pin Terminal Block**: Connect to RS-232 devices.
10. **LAN PoE RJ-45 Connector**: Connect to the LAN for power and communication.
11. **12/20V DC Power Connector**: Connect the included +12V 2A connector or a +20V DC 6A power adapter (purchased separately) for power and charging the source device connected to the USB-C HOST ports on the front panel.
12. **RESET Recessed Button**: Press to restore factory default settings.

Step 3: Mount SWT3-41-U

Install SWT3-41-U using one of the following methods:

- Method 1: [Insert method 1 description]
- Method 2: [Insert method 2 description]

Step 4: Connect inputs and outputs

Before connecting any devices, make sure to switch OFF the power on each device.

For optimal performance, it is recommended to use the recommended Kramer cables available at **www.kramerav.com/product/SWT3-41-U**. Using third-party cables may cause damage.

FAQ

Q: Where can I download the full user manual and check for firmware upgrades?

A: You can download the full user manual and check for firmware upgrades at **www.kramerav.com/downloads/SWT3-41-U**.

Q: How do I restore factory default settings?

A: Press and hold the RESET button while connecting power to the device. Keep pressing the button for longer than 6 seconds after power connection.

SWT3-41-U Quick Start Guide

This guide helps you install and use your SWT3-41-U for the first time.
Go to **www.kramerav.com/downloads/SWT3-41-U** to download the latest user manual and check if firmware upgrades are available.
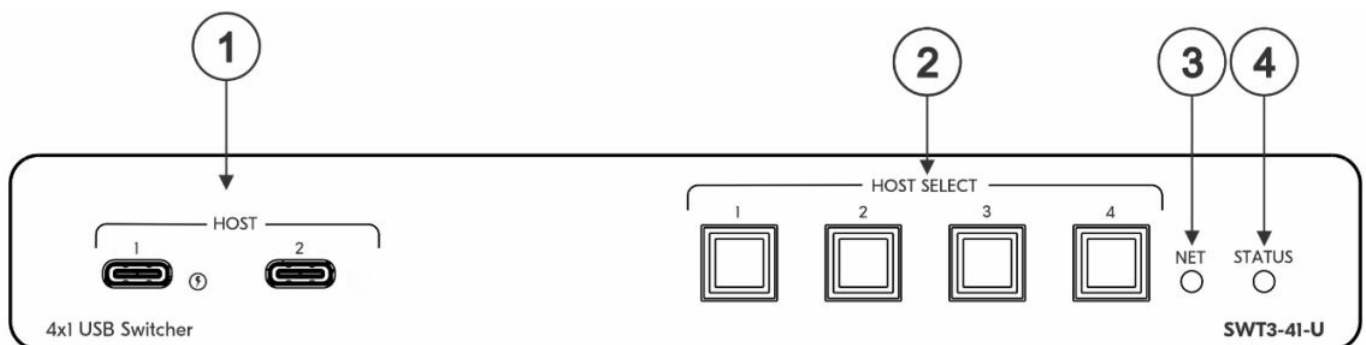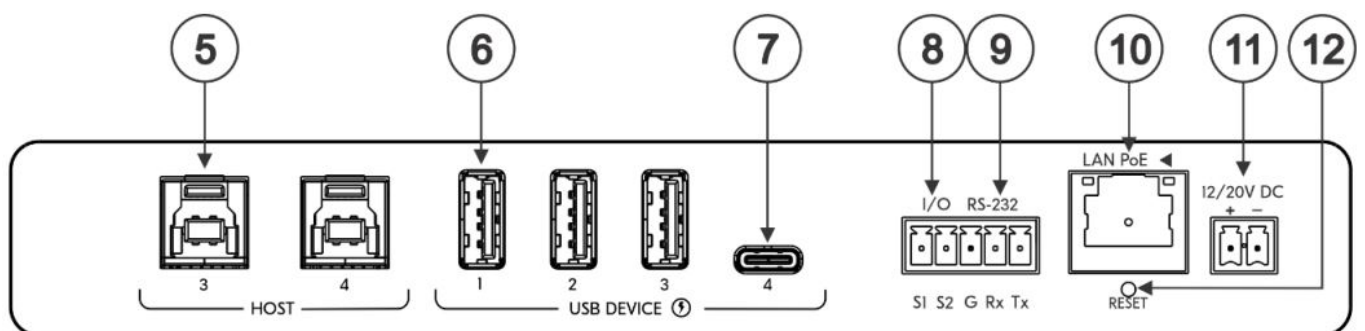
Scan for full manual

Step 1: Check what's in the box

- SWT3-41-U 4×1 USB Switcher
- 1 Power adapter and cord
- 1 Multi-signal USB-C cable (1m)
- 1 Bracket set
- 4 Rubber feet
- 1 Quick start guide

Step 2: Get to know your SWT3-41-U

#	Feature	Function	
1	HOST on USB-C ports (1 to 2)	Connect to a USB-C host (for example, a room PC) to communicate with the USB devices (for example, a PTZ camera) that are connected to the USB device ports on the rear panel and connect to the LAN. **For HOST 1 only**: Charges the connected host (that supports USB Power Delivery 2.0) up to 60W when the device is powered via the optional power adapter (20V DC). While charging, the charging icon (to the right of the connector) becomes visible and lights orange.	
2	HOST SELECT Buttons (1 to 4)	Press to select a host.	

#	Feature		
3	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, using command #IDV.
		Flashes red/green	IP fallback address has been acquired.

#	Feature		
4	STATUS LED	**LED Status**	**Indicates**
		Dark	Power is off
		lights white	PSU-powered on (only). Note: This is applicable when power supply is PoE mode.
		Lights yellow	Powered by PoE.
		Lights Blue	Power is on and a source is connected.

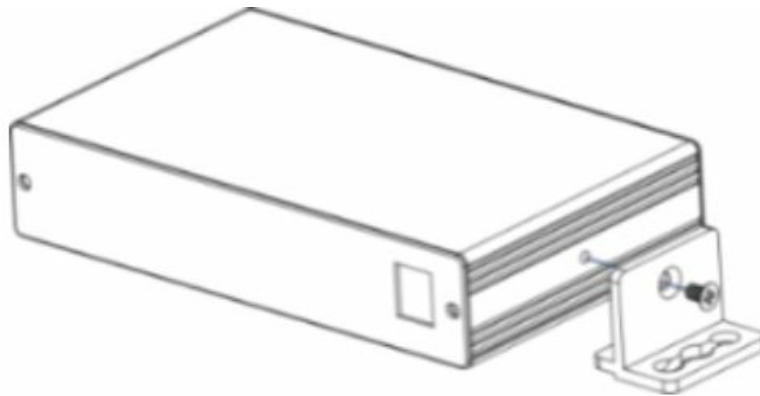| #	Feature		Function
5	HOST USB B 3.1 Connectors (3 to 4)		Connect to a USB host (for example, a room PC) to communicate with the USB devices (for example, a PTZ camera) connected to USB device ports on this device and connect to the LAN.
6	USB DEVICE	USB A 3.1 Ports (1 to 3)	Connect to the USB local devices (for example, a USB camera, a sound bar, microphone and so on).
7		USB-C Port (4)	Connect to the USB local devices (for example, a USB camera, a sound bar, microphone and so on). Note that this port does not provide Power delivery 2.0.
8	I/O 3-pin Terminal Block (S1 to S2) PIN G is common to RS-232		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.
9	RS-232 3-pin Terminal Block PIN G is common to I/O		Connect to: · RS-232 controlled device (for example, a PTZ USB camera) for its remote IP control by a controller (for example, an **SL-240C**), **OR** · PC RS-232 port for controlling the device.
10	LAN PoE RJ-45 Connector		Connect to LAN. The device accepts power from the LAN port (PoE).
11	12/20V DC Power Connector		Use the included +12V 2A 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 HOST ports on the front panel.
12	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 SWT3-41-U

Install SWT3-41-U 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/SWT3-41-U).
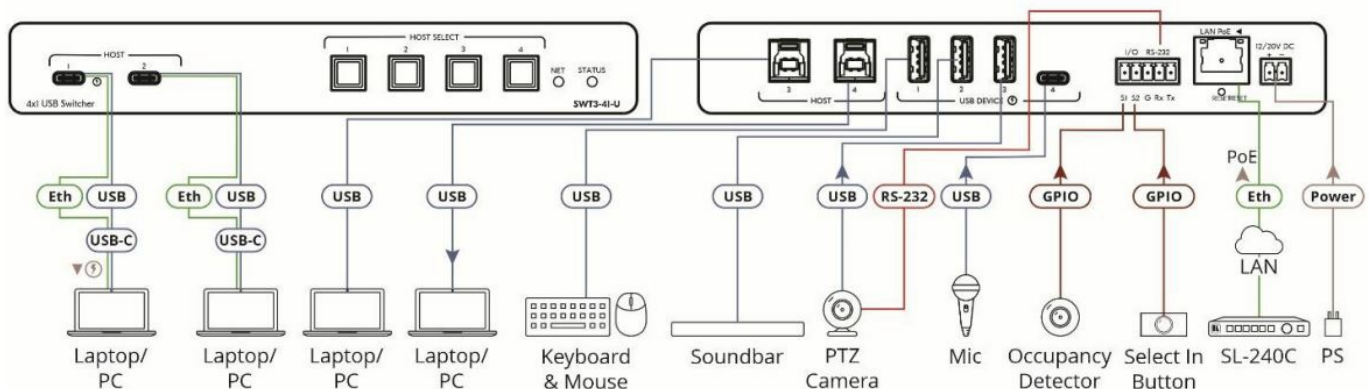- Mount the unit in a rack using the recommended rack adapter (see **www.kramerav.com/product/SWT3-41-**

- 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 SWT3-41-U.

To achieve specified extension distances, use the recommended Kramer cables available at www.kramerav.com/product/SWT3-41-U. Using third-party cables may cause damage!

Step 5: Connect power

Power the device via the LAN port. If required, connect the 12V power to the adapter power cord and to SWT3-41-U 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.

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.

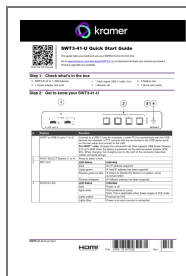 Safety Instructions (See www.kramerav.com for updated safety information)

Step 6: Operate SWT3-41-U

Operate SWT3-41-U 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 Reset.		

kramerav.com

Documents / Resources

Kramer SWT3-41-U 4x1 USB Switcher [pdf] User Guide
SWT3-41-U 4x1 USB Switcher, SWT3-41-U, 4x1 USB Switcher, USB Switcher, Switcher

References

- 🌐 **Kramer | Audio Visual Solutions - Kramer**
- 🌐 **Kramer | Audio Visual Solutions - Kramer**
- 🌐 **Application Diagrams - Kramer Electronics**
- 🌐 **SWT3-41-U 4x1 USB Switcher**
- **User Manual**