# KRAMER

# VS-21T Quick Start Guide

This guide helps you install and use your **VS-21T** for the first time.

Go to www.kramerav.com/downloads/VS-21T to download the latest user manual and check if firmware upgrades are available.

## Step 1:   Check what's in the box
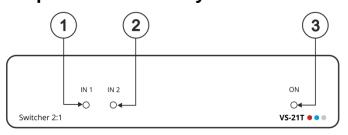
- ☑ **VS-21T** Switcher 2:1
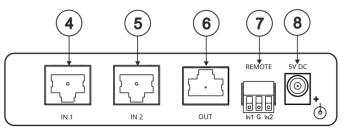- ☑ 4 Rubber feet
- ☑ 1 Bracket set
- ☑ 1 Power adapter and cord
- ☑ 1 Quick start guide
- ☑ 1 3-pin terminal block with wires
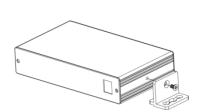
## Step 2:   Get to know your VS-21T

| # | Feature | Function |
|---|---------|----------|
| 1 | IN 1 LED | Lights green when IN 1 is selected. Upon power up, IN 1 is automatically switched to the output. |
| 2 | IN 2 LED | Lights green when IN 2 is selected. |
| 3 | ON LED | Lights green when the device receives power. |
| 4 | IN 1 RJ-45 Connector | Connect to an Ethernet source/HDBT transmitter. |
| 5 | IN 2 RJ-45 Connector | Connect to an Ethernet source/HDBT transmitter. |
| 6 | OUT RJ-45 Connector | Connect to an Ethernet sink/HDBT receiver. |
| 7 | REMOTE 3-pin Terminal Block Connector | Connect to the terminal block and then connect the wires to remote, contact-closure switches for remote control. |
| 8 | 5V DC Power Connector | 5V DC connector for powering the unit. |

## Step 3:   Install VS-21T

Install **VS-21T** 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. For more information go to www.kramerav.com/downloads/VS-21T.
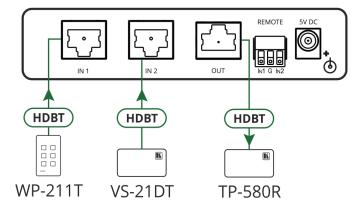- Mount the unit in a rack using an optional **RK-3T** rack adapter.

## Step 4: Connect the inputs and outputs

Always switch OFF the power on each device before connecting it to your **VS-21T**. For best results, we recommend that you always use Kramer high-performance cables to connect AV equipment to **VS-21T**.



## Step 5: Connect the power

Connect the 5V DC power adapter to **VS-21T** and plug it into the mains electricity.

Upon power up, IN 1 is automatically switched to the output.

**Safety Instructions**

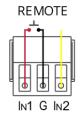**Caution:** There are no operator serviceable parts inside the unit.
**Warning:** Use only the Kramer Electronics power adapter that is provided with the unit.
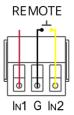**Warning:** Disconnect the power and unplug the unit from the wall before installing.
See www.KramerAV.com for updated safety information.

## Step 6: Operate VS-21T

Select an input (IN 1 or IN 2) via the contact closure remote control (also known as push-to-make momentary contact). To do so, momentarily connect the required IN pin on the REMOTE terminal block connector to the G (Ground) pin.

For example, to select IN 1 momentarily connect the IN 1 pin (red wire) to the G pin (black wire). To select IN 2 momentarily connect the IN 2 pin (yellow wire) to the G pin (black wire).



## Technical Specifications

| Input | 2 HDBaseT Signal / Ethernet | On RJ-45 connectors |
|---|---|---|
| Output | 1 HDBaseT Signal / Ethernet | On an RJ-45 connector |
| Range | N/A. (This device does not affect the range. The range depends on the sources and the receiver.) | |
| Controls | Front Panel | IN 1, IN 2 and ON LED indicators |
| | Rear Panel | IN 1and IN 2 remote contact closure buttons |
| Video | Max. Data Rate | 8.91Gbps (2.97Gbps per graphic channel) pass−through |
| | Max. Resolution | 4K@60Hz (4:2:0) pass−through |
| | Standards Compliance | HDCP 2.2 |
| Power | Consumption | 5V DC, 30mA |
| | Source | 5.2V DC, 4A |
| Environmental Conditions | Operating Temperature | 0° to +40°C (32° to 104°F) |
| | Storage Temperature | -40° to +70°C (-40° to 158°F) |
| | Humidity | 10% to 90%, RHL non-condensing |
| Regulatory Compliance | Safety | CE, UL |
| | Environmental | RoHs, WEEE |
| Enclosure | Size | Tool |
| | Type | Aluminum |
| | Cooling | Convection ventilation |
| General | Net Dimensions (W, D, H), each | 12cm x 7.2cm x 2.4cm (4.7" x 2.8" x 0.94") |
| | Shipping Dimensions (W, D, H) | 15.7cm x 12cm x 8.7cm (6.2" x 4.7" x 3.4") |
| | Net Weight, each | 0.2kg (0.44bs) approx. |
| | Shipping Weight | 0.7 kg (1.5lbs) approx. |
| Accessories | Included | 1 Power adapter, 1 power cord, 1 3-pin terminal block with wires |
| Specifications are subject to change without notice at www.kramerav.com | | |