



Scan for full manual

VS-211UHD Quick Start Guide

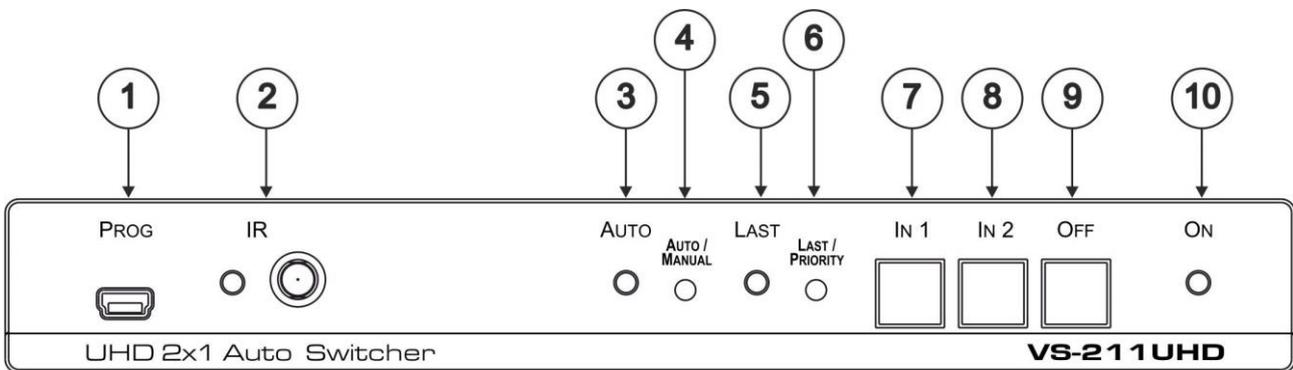
This guide helps you install and use your VS-211UHD for the first time.

Go to www.kramerav.com/downloads/VS-211UHD to download the latest user manual and check if firmware upgrades are available.

Step 1: Check what's in the box

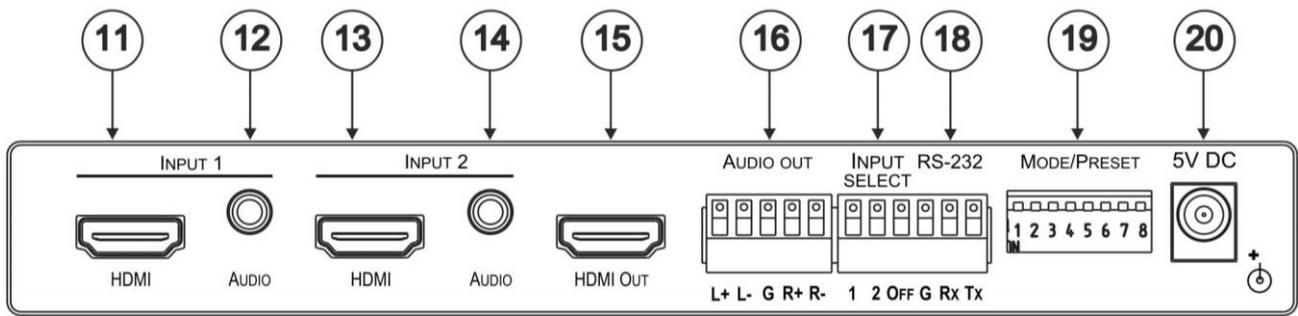
- ✓ VS-211UHD UHD 2x1 Auto Switcher
- ✓ 1 Power supply (5V DC)
- ✓ 4 Rubber feet
- ✓ 1 Quick start guide
- ✓ 1 Bracket set
- ✓ IR remote control transmitter with batteries

Step 2: Get to know your VS-211UHD



#	Feature	Function
1	PROG USB Connector	Connects to a PC to upgrade the firmware
2	IR Sensor and LED	Receives and indicates IR signals from a remote control (flashes during valid IR activity)
3	AUTO LED	Lights when auto switching is active, off for manual switching
4	AUTO/MANUAL Button	Press to select between auto-switching or manual switching mode
5	LAST LED	Lights when last connected input is active, off for highest priority
6	LAST/PRIORITY Button	When in the AUTO mode, the switch selects switching to a priority or last connected device
7	IN 1 Button	Press to route HDMI™ source 1 to the output (dim when active video connected, lit when selected)
8	IN 2 Button	Press to route HDMI source 2 to the output (dim when active video connected, lit when selected)
9	OFF Button	Press to mute the video output (lit when muted)
10	ON LED	Lights when power is connected to the unit

The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

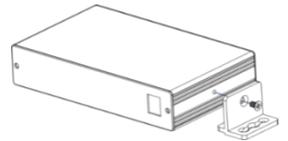


#	Feature	Function
11	INPUT 1 HDMI Connector	Connects to HDMI source 1
12	INPUT 1 AUDIO 3.5mm Connector	Connects to unbalanced stereo audio source 1
13	INPUT 2 HDMI Connector	Connects to HDMI source 2
14	INPUT 2 AUDIO 3.5mm Connector	Connects to unbalanced stereo audio source 2
15	HDMI OUT Connector	Connects to an HDMI acceptor
16	AUDIO OUT Terminal Block	Connects to a balanced stereo audio acceptor
17	INPUT SELECT Contact Closure Terminal Block	Connects to external contact closure switches
18	RS-232 Terminal Block	Connects to an RS-232 source
19	MODE/PRESET DIP-Switches	Use to set EDID, audio and delay settings (see Step 6)
20	5V DC Connector	Connects to a power supply for the unit

Step 3: Mount VS-211UHD

Install VS-211UHD using one of the following methods:

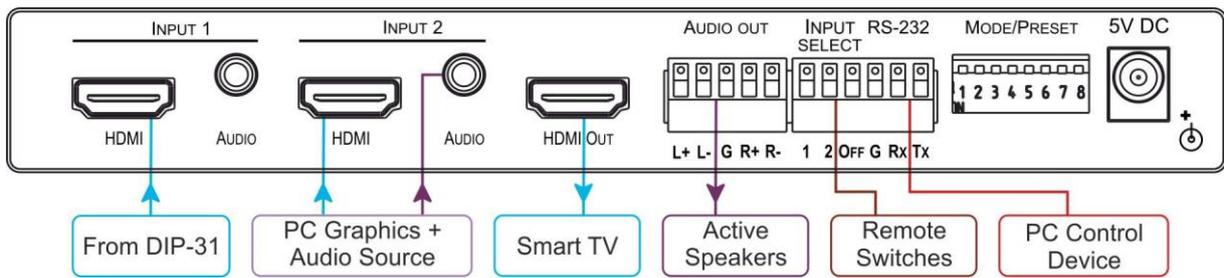
- Attach the rubber feet and place the unit on a flat surface.
- Fasten a bracket (included) on each side of the unit and attach it to a flat surface (see www.kramerav.com/downloads/VS-211UHD).
- Mount the unit in a rack using the recommended rack adapter (see www.kramerav.com/product/VS-211UHD).



- 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 VS-211UHD.



To achieve specified extension distances, use the recommended Kramer cables available at www.kramerav.com/product/VS-211UHD. Using third-party cables may cause damage!

Step 5: Connect power

Connect the power cord to **VS-211UHD** 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.

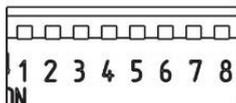
Warning:

- 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: Set DIP-switches

Set the DIP-switches as shown in the following table:

MODE/PRESET



DIP	Function	Off (Up)	On (Down)
1	Audio EDID	Pass audio EDID of sink	Limit to 2-CH LPCM
2	Color EDID	Pass deep color parameter of sink	Limit to RGB 8bpp
3	Lock EDID	Pass EDID of sink	Lock current display EDID and the current settings of DIPs 1 and 2 (The settings of DIPs 1 and 2 cannot be changed when DIP 3 is locked) This state also allows copying the default EDID or an EDID file to the inputs when using EDID Designer. (If using EDID Designer, refresh after copying)
4	HDCP	Enable HDCP support When On, if the output supports HDCP, the input declares HDCP support. It then handles HDCP on the output and input actively. If the output does not support HDCP then the input does not support HDCP.	Disable HDCP support When Off, the device does not support HDCP on its input, even if HDCP is detected on the output.
5	Auto Embedding Port 1	Embed analog audio only if the video is DVI	Always embed analog audio input
6	Auto Embedding Port 2		
7	Audio From	Source	ARC
8	Output Off Delay Settings	15sec default (configurable)	15min

Step 7: Operate VS-211UHD

Manual Switch Mode

In Manual switch mode, the VS-211UHD does not automatically switch to another channel even if an input signal is not detected on the manual input.

To select Manual switch mode:

Press the AUTO button to turn the Auto LED off.

To select an input in Manual switch mode:

Press the IN1 or IN2 button to route this input to the HDMI output. The keys respond as follows:

- Input LED bright: input selected
- Input LED dim: input active and not selected
- Input LED off: input is not active and not selected

Auto Switch Mode

In Auto switch mode, the VS-211UHD automatically switches one of two HDMI inputs to a predefined or the last connected input whenever the currently active video signal is interrupted or whenever a higher-priority video signal is detected.

To select Auto switch mode:

1. Press the AUTO/MANUAL button to turn the Auto LED on.
2. Press the LAST/PRIORITY button to select an auto switch mode:

Last connected (LAST LED on) – The device always switches to a newly detected active video source. When the device is powered on, the output switches to the highest priority input

Priority (LAST LED off) – The device always switches to the highest priority input source. The default priority is Input 1 then Input 2.

Manual Override Mode

Auto switch mode can be overridden by a manual command, such as pressing an input button or sending a control command. In such a case, the system switches to the manually selected source. If this manually selected source is not active, the system waits a set amount of time (10 seconds, default) and then switches back to auto mode. Manual override selection is not stored in non-volatile memory.

Step 8: Technical Specifications

INPUTS:	2 HDMI connectors, 2 unbalanced stereo audio on 3.5mm mini jack
ANALOG AUDIO UNBALANCED INPUT:	Nominal level: 316mVRMS, maximum level: 1VRMS, impedance: 10kΩ
OUTPUTS:	1 HDMI connector, 1 balanced stereo audio on 5-pin terminal block
ANALOG AUDIO BALANCED OUTPUT:	Nominal level: 316mVRMS, maximum level: 1VRMS, impedance: 150Ω
PORTS:	1 RS-232 on a 3-pin terminal block, 1 mini USB for programming
HDMI SUPPORT:	HDMI 1.4, Deep Color, 3D, ARC, up to 7.1 uncompressed audio channels
SUPPORTED RESOLUTIONS:	Up to UXGA, 4K x 2K, 4K @60 4:2:0
CONTROLS:	Front panel buttons, contact closure, IR, RS-232 Protocol 3000
SOFTWARE SUPPORT:	Protocol 3000, EDID Designer, K-Upload
POWER CONSUMPTION:	5V DC, 520mA
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
DIMENSIONS:	18.8cm x 11.5cm x 2.5cm (7.4" x 4.5" x 1.0") W, D, H
WEIGHT:	0.425kg (0.9lbs) approx.
SHIPPING DIMENSIONS:	35.1cm x 16.5cm x 5.2cm (13.8" x 6.5" x 2.0") W, D, H
SHIPPING WEIGHT:	0.56kg (1.2lbs) approx.
INCLUDED ACCESSORIES:	Power adapter, IR remote control