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VS-211XS and VS-411XS Quick Start Guide
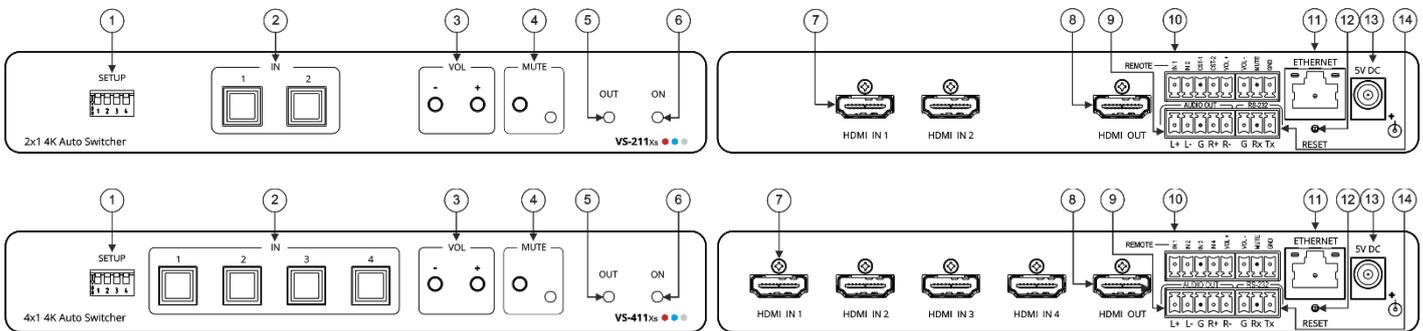
This guide helps you install and use your **VS-211XS** / **VS-411XS** for the first time.

Go to www.kramerav.com/downloads/VS-411XS to download the latest user manual and check if firmware upgrades are available.

Step 1:   Check what's in the box

☑ **VS-211XS** / **VS-411XS** 4K Auto Switcher
☑ 1 Power adapter and cord

☑ 4 Rubber feet
☑ 1 Bracket set

☑ 1 Quick start guide
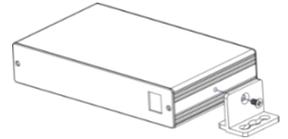
Step 2:   Get to know your VS-211XS / VS-411XS

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

#	Feature		Function
1	SETUP 4-way DIP-Switches		Set the operation DIP-switches (see Connect the inputs and outputs on page 2).
2	IN Buttons		Press to select an HDMI input (button lights orange). (2 for **VS-211XS**, 4 for **VS-411XS**).
3	VOL Push Buttons	-	Press to decrease audio output volume.
		+	Press to increase audio output volume.
4	MUTE	Push Button	Press to mute the audio output.
		LED	Lights red when audio output is muted.
5	OUT LED		Lights green when an HDMI output is connected.
6	ON LED		Lights green when the device receives power.
7	HDMI IN Connectors		Connect to an HDMI source (2 for **VS-211XS**, 4 for **VS-411XS**).
8	HDMI OUT Connector		Connect to an HDMI acceptor.
9	AUDIO OUT 5-pin Terminal Block Connector		Connect to a balanced stereo audio acceptor.
10	REMOTE Terminal block Connector:		Connect to contact closure switches by momentary contact between the desired pin and common GND pin.
	VS-211XS: IN 1, IN 2/ CST-1, CST-2		Select input 1 or input 2 (IN 1 or IN 2), or alternatively activate custom triggers (by momentarily connecting IN 1, IN 2, CST-1 and CST-2 to GND) set up in Maestro. (Configured via the embedded web pages).
	VS-411XS: IN 1, IN 2, IN 3, IN 4		Select input 1 to input 4 (IN 1 to IN 2), or alternatively activate custom triggers set up in Maestro. (Configured via the embedded web pages).
	VOL+, VOL -, MUTE		Set the volume up or down (VOL+/-) and mute the audio output (MUTE).
11	ETHERNET RJ-45 Connector		Connect to a PC via a LAN to control the device.
12	RESET Recessed Button		Press briefly to reset the device parameters to their factory default values, **excluding** ETH parameters. Press and hold (5 seconds) to fully reset the device parameters to their default values, **including** ETH parameters.
13	5V DC Power Connector		Connect to the power supply and to the mains electricity.
14	RS-232 3-pin Terminal Block Connector		Connect to a PC or a remote controller to control the device.

Step 3: Install the VS-211XS and VS-411XS

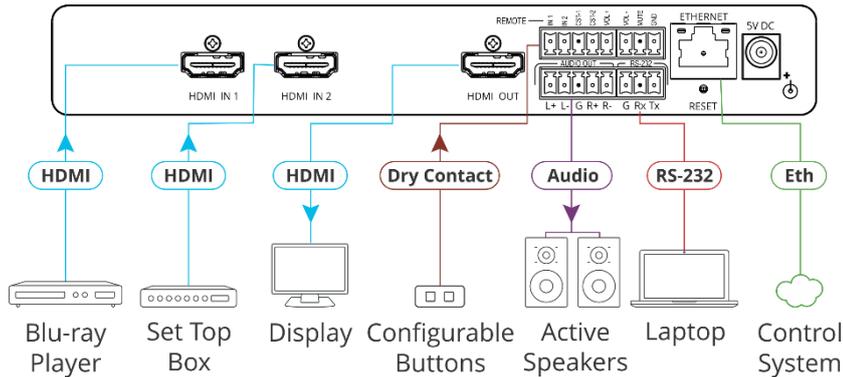Install **VS-411XS** using one of the following methods:

- 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-411XS).
- Mount the unit in a rack using the recommended rack adapter (see www.kramerav.com/product/VS-411XS).

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- 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.
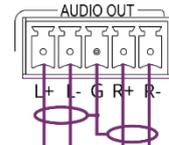- Maximum mounting height for the device is 2 meters.

Step 4: Connect the inputs and outputs

Always switch OFF the power on each device before connecting it to your **VS-211XS**. For best results, we recommend that you always use Kramer high-performance cables to connect AV equipment to the **VS-211XS**. **VS-211XS** and **VS-411XS** are identical except for the number of inputs.
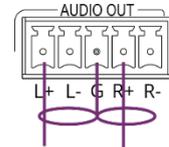
Connect the Audio Output:

To a balanced stereo audio acceptor:

To an unbalanced stereo audio acceptor:

Setting the DIP-Switches

All DIP-switches are set to Off (up) by default. DIP-switch changes take effect immediately.

#	Feature	Dip-Switch Settings
1	Switching Mode	OFF (up) – Auto-switching mode. ON (down) – Manual mode.
2	Auto-switching Mode	OFF (up) – Last connected switching mode: the last detected active source is auto-switched to the output. ON (down) – Priority switching mode: the device switches the source with the highest priority to the output.
3	CEC Notifications	OFF (up) – CEC notifications enabled. ON (down) – CEC notifications disabled.
4	Reserved for Factory Use	It is mandatory to keep set to OFF (up).

For optimum range and performance use the recommended Kramer cables available at www.kramerav.com/product/VS-411XS

Step 5: Connect the power

Connect the power adapter and cord to **VS-211XS** / **VS-411XS** and plug it into the mains electricity.

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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: Control VS-211XS and VS-411XS

Operate **VS-211XS** and **VS-411XS**:

- Remotely, by IP or RS-232 serial commands transmitted by a touch screen system, PC, or other serial controller.
- Embedded web pages via the Ethernet.

RS-232 Control / Protocol 3000							
Baud Rate:	115,200	Parity:		None		Stop Bits:	1
Data Bits:	8	Command Format:		ASCII			
Example: (Switch video input 2 to the output): #ROUTE 1,1,2<CR>							
Default IP Parameters – Set to DHCP On							
Fallback IP Address:		192.168.1.39		UDP Port #:		50000	
Fallback Subnet Mask:		255.255.255.0		TCP Port #:		5000	
Fallback Gateway:		192.168.1.1		User/Password:		Admin/Admin	
Host name		VS-211XS-xxxx (where xxxx are the last 4 digits of the S/N)					

When using **VS-211XS** for the first time, the fallback IP address is set until DHCP server is discovered and a new IP address is acquired. DHCP discovery is retried every 1 minute, approximately.

To discover IP address:

- Connect to device via Eth and browse to default host name (e.g., http://VS-211XS-0024), where xxx are last digits of the S/N; alternatively, perform factory reset (via reset button) and browse to fallback IP address.
- Connect to subnet via a router with **built-in DHCP server** (a basic home router will do) to subnet for identifying subnet-connected devices via router web-UI, using their unique hostname and/or L2 MAC address.

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