KRAMER

VP-550X Quick Start Guide

This guide helps you install and use your **VP-550X** for the first time.
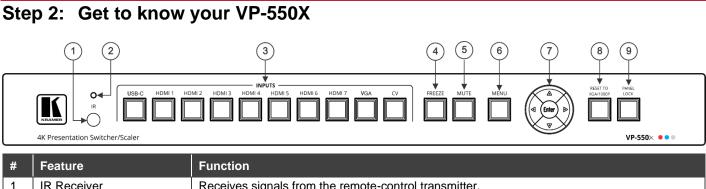
Go to www.kramerav.com/downloads/VP-550X to download the latest user manual and check if firmware upgrades are available.

Step 1:   Check what's in the box

- ☑ **VP-550X** 4K Presentation Switcher/Scaler
- ☑ Remote control transmitter with batteries
- ☑ 2 Cable straps
- ☑ 1 Set of rack ears
- ☑ 1 Power cord
- ☑ 4 Rubber feet
- ☑ 1 Quick start guide

Step 2:   Get to know your VP-550X

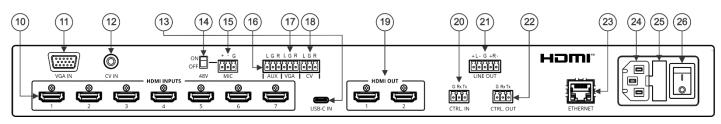| #	Feature		Function
1	IR Receiver		Receives signals from the remote-control transmitter.
2	IR LED		Lights when the unit accepts IR remote commands.
3	Input Selector Buttons	USB-C	Press to select a USB-C source.
		HDMI	Press to select the HDMI input (from HDMI 1 to HDMI 7).
		VGA	Press to select the computer graphics input.
		CV	Press to select the composite video input.
4	FREEZE Button		Press to freeze/unfreeze the output video image. Not applicable when in video bypass mode.
5	MUTE Button		Press to toggle between muting (blocking out the sound) and enabling the audio output (both line and speakers). Muting the audio is not applicable when in audio bypass mode.
6	MENU Button		Press to enter/exit the on-screen display (OSD) menu.
7	Navigation Buttons	◄	Press to decrease numerical values or select from several definitions. When not within the OSD menu mode, press to decrease the output volume.
		▲	Press to move up the menu list.
		►	Press to increase numerical values or select from several definitions. When not within the OSD menu mode, press to increase the output volume.
		▼	Press to move down the menu list.
		Enter	Press to accept changes and change the SETUP parameters.
8	RESET TO XGA/1080p Button		Press and hold for about 5 seconds to toggle resetting the video resolution to XGA or 1080p.
9	PANEL LOCK Button		Press and hold for about 5 seconds to lock/unlock the front panel buttons (panel locking options are configurable).

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

P/N: 2900-301381QS   Rev: 2

#	Feature	Function
10	HDMI INPUT Connectors	Connect to an HDMI source (from 1 to 7). You can connect Step-in devices to inputs 1 and 2.
11	VGA 15-pin HD Connector	Connect to a computer graphics source.
12	CV IN RCA Connector	Connect to a composite video source.
13	USB-C IN Connector	Connect to a USB-C port, charging up to 18W.
14	48V MIC Switch	Move up (ON) to select a condenser type microphone; down (OFF) to select a dynamic-type microphone.
15	MIC 3-pin Terminal Block Connector	Connect to a microphone source.
16	AUX 3-pin Terminal Block Connector	Connect to an auxiliary source.
17	VGA 3-pin Terminal Block Connector (audio signal related to VGA IN)	Connect to the analog audio associated with the computer graphics source.
18	CV 3-pin Terminal Block Connector (audio signal related to CV IN)	Connect to the analog audio associated with the composite video source.
19	HDMI OUT Connectors	Connect to HDMI acceptors (from 1 to 2).
20	CTRL IN 3-pin Terminal Block Connector	Connect to a PC or remote controller to control **VP-550X** via RS-232 Protocol commands.
21	LINE OUT Balanced Stereo 5-pin Terminal Block Connector	Connect to a balanced stereo analog audio acceptor.
22	CTRL OUT 3-pin Terminal Block Connectors	Connect to an acceptor (for example, a display) to control it via RS-232 Protocol 3000 commands.
23	ETHERNET Connector	Connects to the PC or other Serial Controller through computer networking.
24	Mains Socket	Connect the mains power cord.
25	Mains Fuse Holder	Fuse for protecting the device.
26	Power Switch	Switch for turning the unit ON or OFF.

Step 3: Mount VP-550X

To rack mount the machine, attach both rack ears (by removing the screws from each side of the machine and replacing those screws through the rack ears) or place the machine on a table.
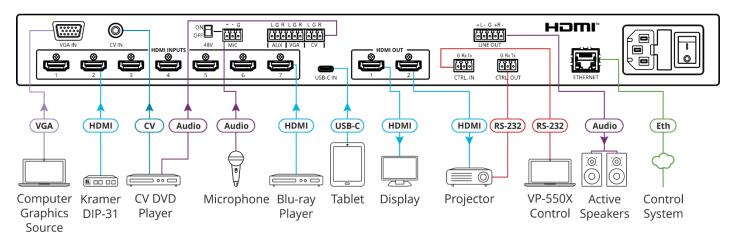

- Ensure that the environment (e.g., maximum ambient temperature & air flow) is compatible for the device.
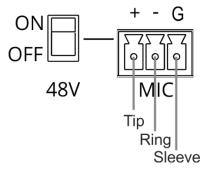- Avoid uneven mechanical loading.
- Appropriate consideration of equipment nameplate ratings should be used for avoiding overloading of the circuits.
- Reliable earthing of rack-mounted equipment should be maintained.
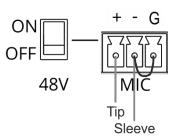
Step 4: Connect inputs and outputs

Always switch OFF the power on each device before connecting it to your **VP-550X**.
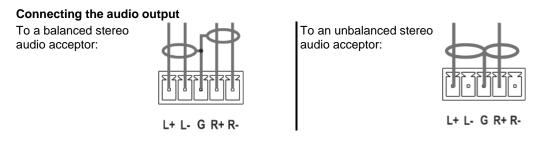

Condenser Microphone Pinout

Dynamic Microphone Pinout

For optimum range and performance use the recommended Kramer cables available at www.kramerav.com/product/VP-550X.

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

Connect the power cord to **VP-550X** and plug it into the mains electricity.

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.
- Do not open the unit. High voltages can cause electrical shock! Servicing by qualified personnel only.
- To ensure continuous risk protection, replace fuses only according to the rating specified on the product label which located on the bottom of the unit.

Step 6: Operate VP-550X

Operate **VP-550X**:

- Remotely, by RS-232 serial commands transmitted by a touch screen system, PC, or other serial controller.
- Using the embedded webpages via the Ethernet
- Remotely, using the IR remote control transmitter.
- Via the front panel buttons.

RS-232 Control / Protocol 3000			
Baud Rate:	115,200	Parity:	None
Data Bits:	8	Command Format:	ASCII
Stop Bits:	1		
Example: (route input HDMI 2 to the outputs): **#ROUTE␣1,1,2<CR>**			
Default Ethernet Parameters			
IP Address:	192.168.1.39	UDP Port #:	50000
Subnet mask:	255.255.0.0	TCP Port #:	5000
Gateway:	192.168.0.1		
Authentication			
User/Password	Admin/Admin		

- Via the OSD menu buttons using the front panel navigation buttons.

OSD Menu Item	Function
Picture	Set the Contrast brightness and color. For VGA: adjust the phase, clock horizontal and vertical position. For video: adjust the hue, sharpness, and noise reduction.
Input	Select the input.
Output	Define image size. Enable or disable bypass mode. Select the output resolution.
Audio	Set the input volume for each input individually. Set the output volume. Set delay time. Enable or disable DRC and loudness. Mute/unmute the output audio. Set the audio source for each input to analog or embedded, or select automatically. Define microphone settings: mic mode, depth, trigger, attack time, hold time, and release time. Adjust mic volume. Adjust equalizer level per bandwidth. Enable/bypass DSP.
OSD	Define OSD position, timeout timer, transparency, and display.
EDID Manage	For each input, acquire the EDID from a selected output or use a default EDID value.
Advanced	Define Ethernet parameters. Set HDCP modes. AUTO sync off option. Define auto switch mode. Set Lock mode behavior. Enable/disable daily reset. View device lifetime.
Info.	View the input and output information, and firmware version.
Factory	Perform full factory reset. Perform soft reset, excluding Ethernet parameters.

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