



kramer VP-558 Presentation Switcher Scaler User Guide

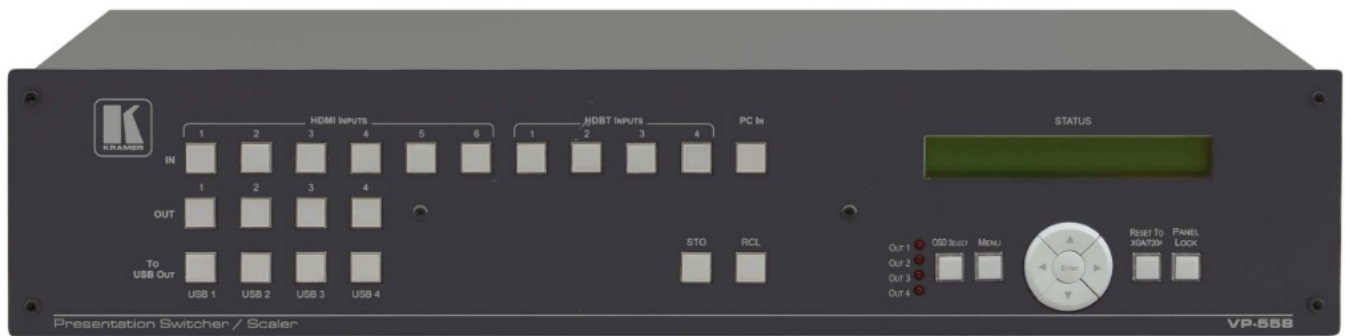
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kramer VP-558 Presentation Switcher Scaler



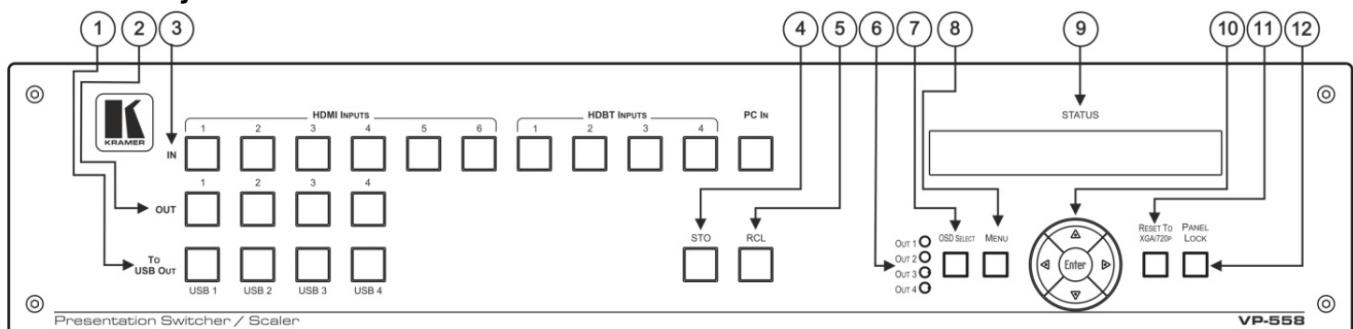
This guide helps you INSTALL and use your VP-558 for the first time.

Go to www.kramerav.com/downloads/VP-558 to download the latest user manual and check if firmware upgrades are available.

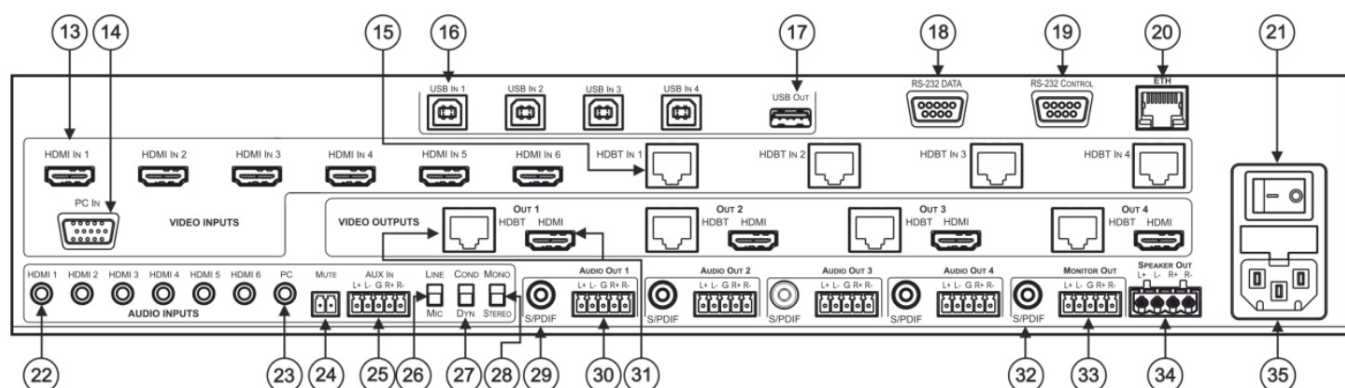
Check what's in the box

- VP-558 Presentation Switcher Scaler
- 1 Set of rack ears
- 1 Quick start guide
- 1 Power cord
- 4 Rubber feet

Get to know your VP-558



#	Feature		Function
1	TO USB OUT Buttons		Press a button to switch a USB input to the output (USB 1 – USB 4).
2	OUT Buttons		Press a button to switch an input to up to 4 outputs.
3	IN Buttons		Press a button to switch an input to the output (HDMI inputs 1 – 6, HDBT inputs 1 – 4, and PC In).
4	STO Button		Press to store a configuration.
5	RCL Button		Press to recall a configuration.
6	OSD OUT LEDs		Indicate where the OSD is displayed.
7	OSD SELECT Button		Press to select the output on which the OSD will be displayed (OUT 1 – OUT 4).
8	MENU Button		Press to display the OSD menu.
9	STATUS LCD Display		Displays the selected inputs switched to the outputs as well as front panel lock up indication.
10	Navigation Buttons	◀	Press to decrease numerical values or select from several definitions. When not in the OSD menu mode, press to reduce the output volume.
		▲	Press to move up the menu list values.
		▶	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.
11	RESET TO XGA/720p Button		Press and hold for about 2 seconds to reset to XGA. Press and hold for about 5 seconds to reset to 720p.
12	PANEL LOCK Button		Press and hold for about 3 seconds to lock/unlock the front panel buttons.



#	Feature		Function
13	VIDEO INPUTS	HDMI IN	Connect to the HDMI source (1 – 6).

14	Connectors	PC IN 15-pin HD	Connect to the computer graphics source.	
15		HDBT IN	Connect to an HDBT Transmitter (for example, the Kramer TP-580Txr) to pass audio and video signals as well as serial commands (1 – 4).	
16	USB IN (type-B) Connectors		Connect to a USB host (1 – 4).	
17	USB OUT (type-A) Connector		Connect to a USB client.	
18	RS-232 DATA 9-pin D-sub Port		Connect to the PC or the remote controller and pass data between this RS-232 port and the HDBT OUT port or one of the HDBT IN ports.	
19	RS-232 CONTROL 9-pin D-sub Port		Connect to the PC or the remote controller.	
20	ETH Connector		Connects to the PC or other Serial Controller through computer networking.	
21	Power Switch		Switch for turning the unit ON or OFF.	
22	AUDIO INPUTS	HDMI 3.5mm Mini Jack	Connect to the analog audio HDMI source (HDMI 1 – HDMI 6).	
23		PC 3.5mm Mini Jack	Connect to the analog audio computer graphics source.	
24		MUTE Terminal Block Connector	Remote switch to mute the analog and embedded audio signal. Allows easy integration of the audio system with a public announcement audio system, usually used in cases of alarms or other audio messages.	
25		AUX IN	Terminal Block Connector	Connect to an auxiliary stereo balanced audio source or microphone.
26			LINE/MIC Selector	Select either a line or a microphone input.
27			COND/DYN Selector	Select between a condenser and a dynamic type microphone.
28			MONO/STEREO	Select between a stereo or mono input.
29		S/PDIF RCA Connector	Connect to an S/PDIF digital audio acceptor (for example, active speakers or an audio power amplifier).	
30	AUDIO OUTPUT 1 – AUDIO OUTPUT 4	Terminal Block Connector	Connect to a stereo balanced audio acceptor (for example, active speakers or an audio power amplifier).	
	VIDEO OUTPUTS	OUT 1 – OUT	HDBT RJ-45	Connect to an HDBT Receiver (for example, the Kramer TP-580Rxr).

31	Connectors	4	HDMI	Connect to an HDMI acceptor.
32	MONITOR OUT Connector	S/PDIF RCA Connector	Connect to an S/PDIF digital audio acceptor (for example, active speakers or an audio power amplifier)	
33	Connectors	Terminal Block Connectors	Connect to a balanced, stereo audio acceptor (for example, active speakers or an audio power amplifier).	
34	Speaker OUT Terminal Block Connector		Connect to a pair of loudspeakers.	
35	Power Connector with Fuse		Connect to power cord and to main electricity.	

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

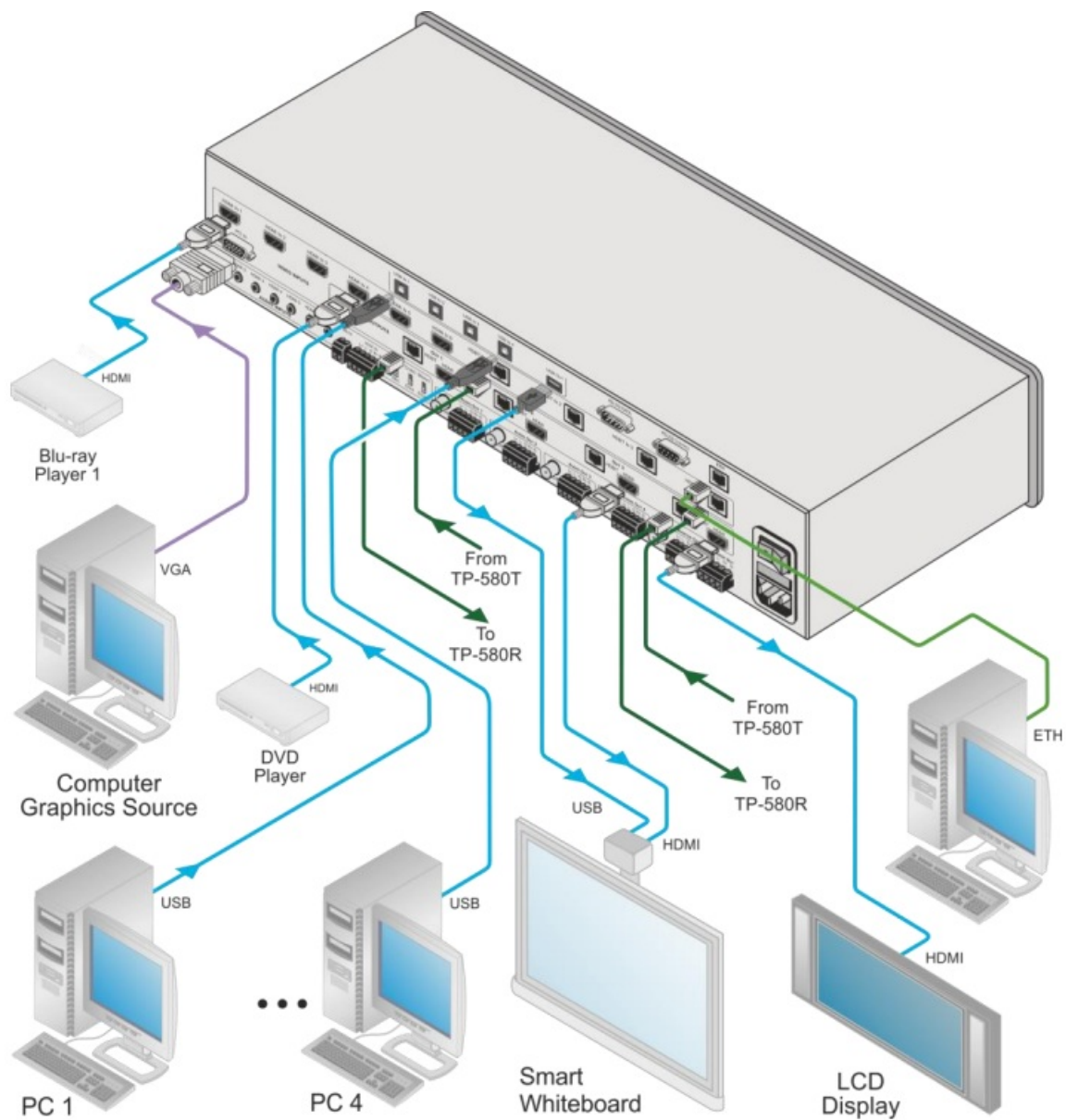
Mount VP-558

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.

Connect inputs and outputs

Always switch OFF the power on each device before connecting it to your VP-558.



To achieve specified extension distances, use the recommended Kramer cables available at www.kramerav.com/product/VP-558.
Using third-party cables may cause damage!

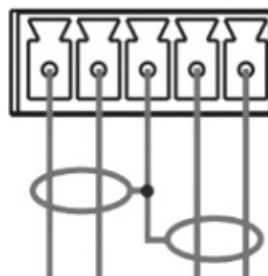
Wiring the RJ-45 Connectors

This section defines the TP pinout, using a straight pin-to-pin cable with RJ-45 connectors.

For HDBT cables, it is recommended that the cable ground shielding be connected/soldered to the connector shield.

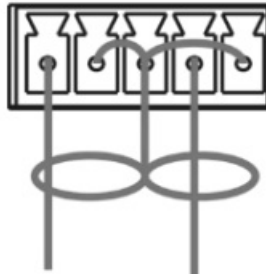
- Balanced stereo audio connection:

L+ L- G R+ R-



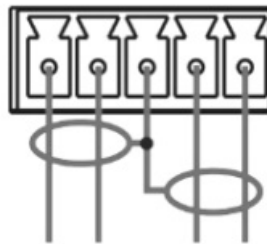
- Unbalanced stereo audio output connection:

L+ L- G R+ R-



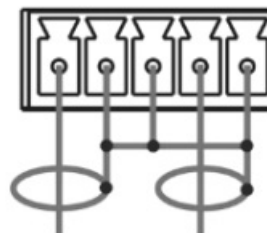
- Balanced Stereo Audio Input Connection

AUX IN
L+ L- G R+ R-



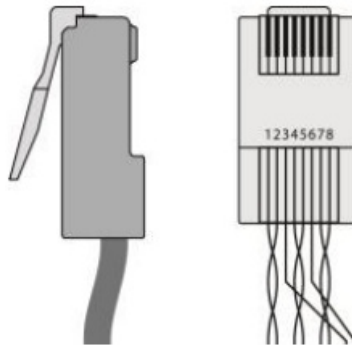
- Unbalanced Stereo Audio Input Connection

AUX IN
L+ L- G R+ R-



PIN Wire Color

1. Orange / White
2. Orange
3. Green / White
4. Blue
5. Blue / White
6. Green
7. Brown / White
8. Brown



Connect power

Connect the power cord to VP-558 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.
- 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
- Suitable for installation in Information Technology Rooms in accordance with Article 645 of the National Electrical Code and NFPA 75.

Operate VP-558

Via OSD Menu

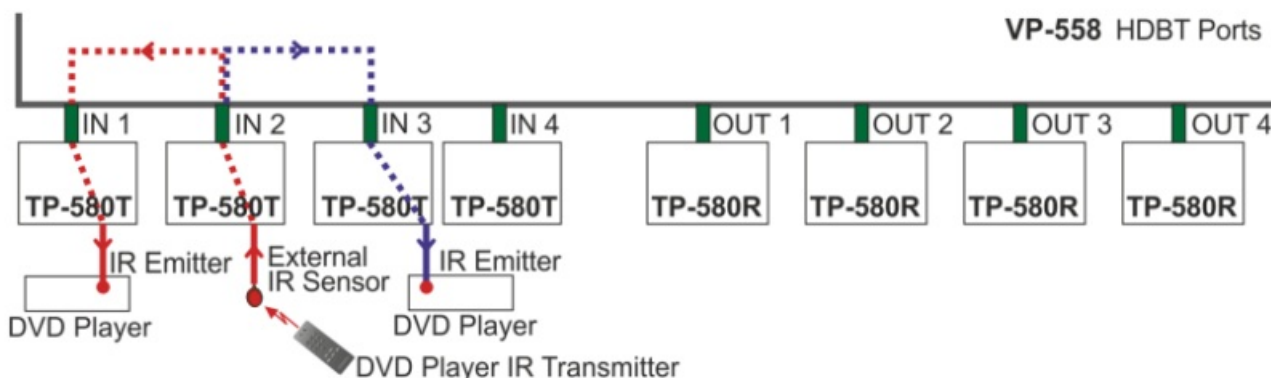
Enter the OSD menu via the MENU button on the front panel. Select a menu item and set parameters as required.

Menu item	Function		
Picture	Set the contrast, brightness red, green and blue shades and offsets. Set the hue, saturation, sharpness, and noise reduction. When PC is the selected input, fine tune the image.		
Size	Select the size of the image.	Output HDCP	Select FOLLOW INPUT or FOLLOW OUTPUT to define whether the HDCP will follow the input or the output.
Resolution	Select the resolution.		
Timing Shift	Set to on.		
Auto Sync Off	Turn the auto sync ON/OFF. When ON, this deactivates the output after a few minutes if no input is present.		
Audio	Adjust Output 1 audio parameters: Source, embedded audio, embedded audio bypass, output volume, mute, delay, MIC mixer settings and audio EQ.		
No Signal Color	Select a BLUE or BLACK window color if no signal is detected.		
OSD	Set the OSD parameters.	Factory	Reset the scaler parameters.
Audio Out	Set the parameters of the MONITOR OUT and SPEAKER OUT parameters: source, embedded audio setup and bypass, output volume, mute, delay, MIC settings, and more.		
Audio Set	Set the input volume and microphone settings.		
USB	Set the USB switcher parameters.		
Ether	Set the Ethernet parameters.		
Misc	Set IR routing and HDCP input.		
Info	Displays the VP-558 source and input resolutions, HDCP status, MIC settings and more.		

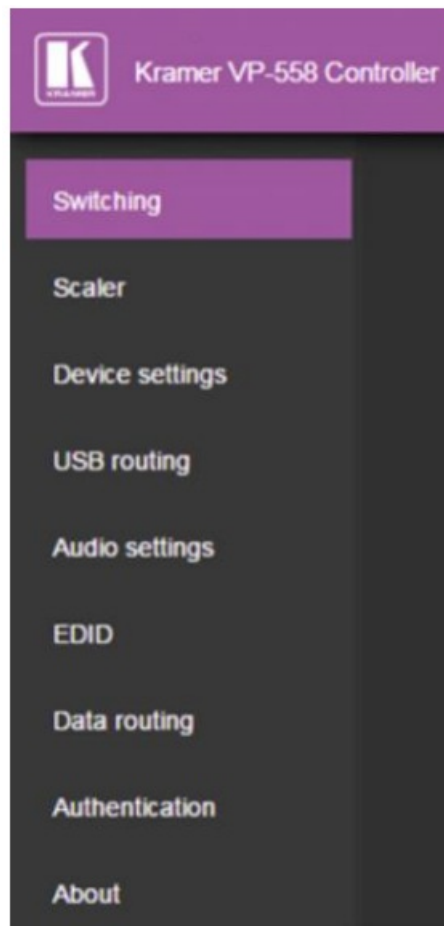
Note: If you don't see an image, verify that the display, TV, or projector is in good working order, is connected to the VP-558, and that the VP-558 is selected as its source. If you still don't see an image, press and hold the RESET TO XGA/720P for 3 seconds to reset the output to XGA or 720p resolution.

Control peripherals via IR remote control

You can use a remote control transmitter (that is used for controlling a peripheral device, for example, a DVD player) to send commands (to the A/V equipment) from/to any of the transmitters /receivers connected to the HDBT.



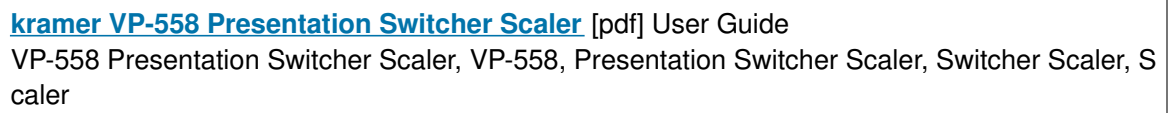
Via the front panel buttons and via:



	RS-232 Control / Protocol 3000			
	Baud Rate:	115,200	Parity:	None
	Data Bits:	8	Command Format:	ASCII
	Stop Bits:	1		
	Example (Route the video from the HDMI3 input to the HDMI1 output port):		#ROUTE 1,1,3<cr>	
	Default Ethernet Parameters			
	IP Address:	192.168.1.39	TCP Port #:	5000
	Subnet mask :	255.255.255.0	Default UDP Port #:	50000
	Default gate way:	192.168.1.254	Maximum UDP/TCP Ports:	4
	Default User name:	admin	Default Password:	admin

kramerav.com

Documents / Resources



- [!\[\]\(8be7dbed0cdcd9134bb63b78488f98f4_img.jpg\) Kramer | Audio Visual Solutions - Kramer](#)
- [!\[\]\(3840e24290716b574c7cf3c9ceee621d_img.jpg\) Kramer | Audio Visual Solutions - Kramer](#)
- [!\[\]\(f87cb3f089c630df68d94725a22a10c0_img.jpg\) Application Diagrams - Kramer Electronics](#)
- [!\[\]\(d1750e18d2f9ce406535dec4c224b3c8_img.jpg\) Kramer Pro AV manufacturer - Product Categories](#)
- [!\[\]\(67e9c61d94b986214b2736d11b9327f0_img.jpg\) kramerav.com/product/VP-558](#)