



Scan for full manual

VP-427X Quick Start Guide

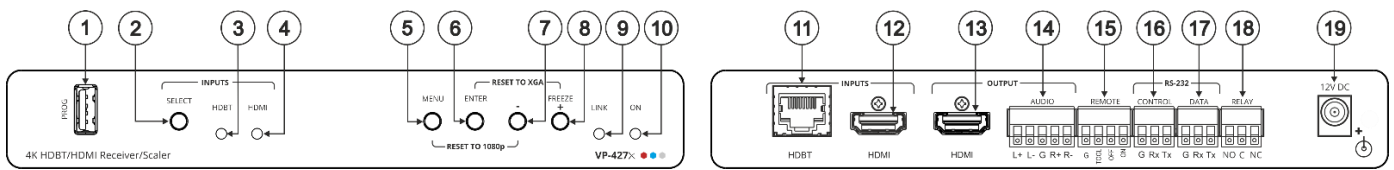
This guide helps you install and use your VP-427X for the first time.

Go to www.kramerav.com/downloads/VP-427X to download the latest user manual and check if firmware upgrades are available.

Step 1: Check what's in the box

- ✓ VP-427X 4K HDBT/HDMI Receiver/Scaler
- ✓ 1 Power adapter and cord
- ✓ 1 Quick start guide
- ✓ 1 Bracket set
- ✓ 4 Rubber feet

Step 2: Get to know your VP-427X

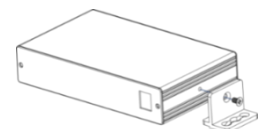


#	Feature	Function	
1	PROG USB Connector	Connect to a USB stick to perform firmware upgrades.	
2	INPUTS	SELECT Button	Press to select the input (HDBT or HDMI).
3		HDBT LED	Lights blue when the HDBT input is selected.
4		HDMI LED	Lights blue when the HDMI input is selected.
5	MENU Button	Press to enter/exit the on-screen display (OSD) menu. Press together with the – button to reset the output to 1080p resolution.	
6	ENTER Button	In OSD, press to choose the highlighted menu item. Press together with the FREEZE/+ button to reset the output to XGA resolution (1024x768).	
7	–	In OSD, press to move back through menus or decrement parameter values.	
8	FREEZE/+ Button	In OSD, press to move forward through menus or increment parameter values. When not in OSD, press to freeze the display.	
9	LINK LED	Lights blue when a link is established with the transmitter.	
10	ON LED	Lights green when device is powered.	
11	INPUTS	HDBT RJ-45 Connector	Connect to a transmitter (for example, the Kramer TP-580T).
12		HDMI Connector	Connect to an HDMI source.
13	OUTPUT	HDMI Connector	Connect to an HDMI acceptor.
14		AUDIO 5-pin Terminal Block Connector	Connect to a balanced stereo audio acceptor.
15	REMOTE Contact-Closure 4-pin Terminal Block Connector	Connect to contact closure switches, an occupancy sensor and/or toggle switches (contact between the desired pin and GND pin), to turn display on or off. See Step 6: Operate VP-427X .	
16	RS-232	CONTROL 3-pin Terminal Block Connector	Connect to a serial controller or PC.
17		DATA 3-pin Terminal Block Connector	Connect to a serial data SOURCE or acceptor.
18	RELAY 3-pin Terminal Block Connector	Relay contact pins: normally open (NO), normally closed NC and common (C). Connect to a device to be controlled by a relay (for example, a motorized projection screen).	
19	12V DC Connector	Connect to the supplied power adapter.	

Step 3: Mount VP-427X

Install VP-427X using one of the following methods:

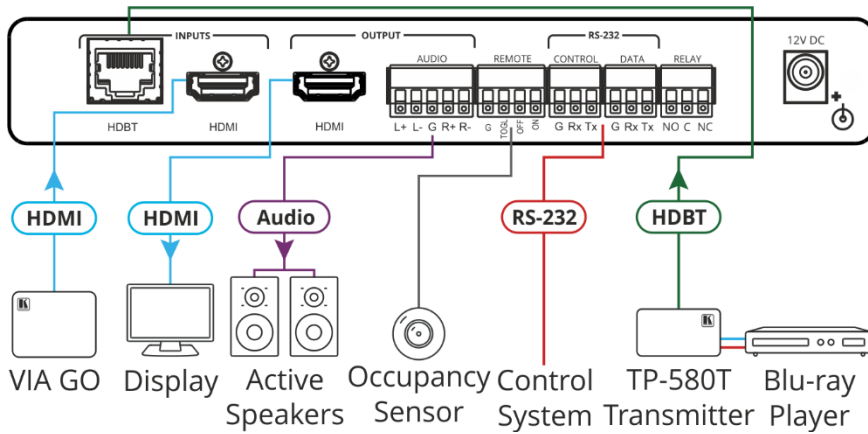
- Attach the rubber feet and place the unit on a flat surface.
- Fasten a bracket (included) on each side of the unit and attach it to a flat surface (see www.kramerav.com/downloads/VP-427X).
- Mount the unit in a rack using the recommended rack adapter (see www.kramerav.com/product/VP-427X).



- 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 VP-427X.

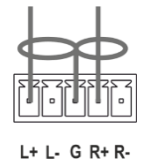


Connecting the audio output

To a balanced stereo audio acceptor:



To an unbalanced stereo audio acceptor:

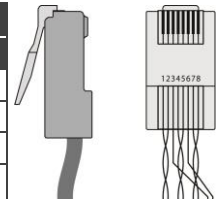


Wiring the RJ-45 connectors

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

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

EIA / TIA 568B			
PIN	Wire Color	PIN	Wire Color
1	Orange / White	5	Blue / White
2	Orange	6	Green
3	Green / White	7	Brown / White
4	Blue	8	Brown



i To achieve specified extension distances, use the recommended Kramer cables available at www.kramerav.com/product/VP-427X. Using third-party cables may cause damage!

Step 5: Connect power

Connect the power adapter to the VP-427X and plug it to 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: Operate VP-427X

Operate VP-427X via:

- Front panel buttons
- Remotely, by RS-232 serial commands transmitted by a touch screen system, PC, or other serial controller
- OSD menu.
- Remote control switches.

RS-232 Control / Protocol 3000			
Baud Rate:	115,200	Parity:	None
Data Bits:	8	Command Format:	ASCII
Stop Bits:	1		

Operating via the remote control switches

Momentarily connect the desired pin to the GND pin to select an input:

Pin Name	Function
TOGL	One button toggles between display on and display off (instead of using two separate buttons for on and off). Alternatively, using the VP-427X OSD, configure turning the display on and off according to whether a switch is open or closed, for example, using an occupancy sensor.
OFF	Turn off the display.
ON	Turn on the display.



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