KRAMER

VP-427H2 Quick Start Guide
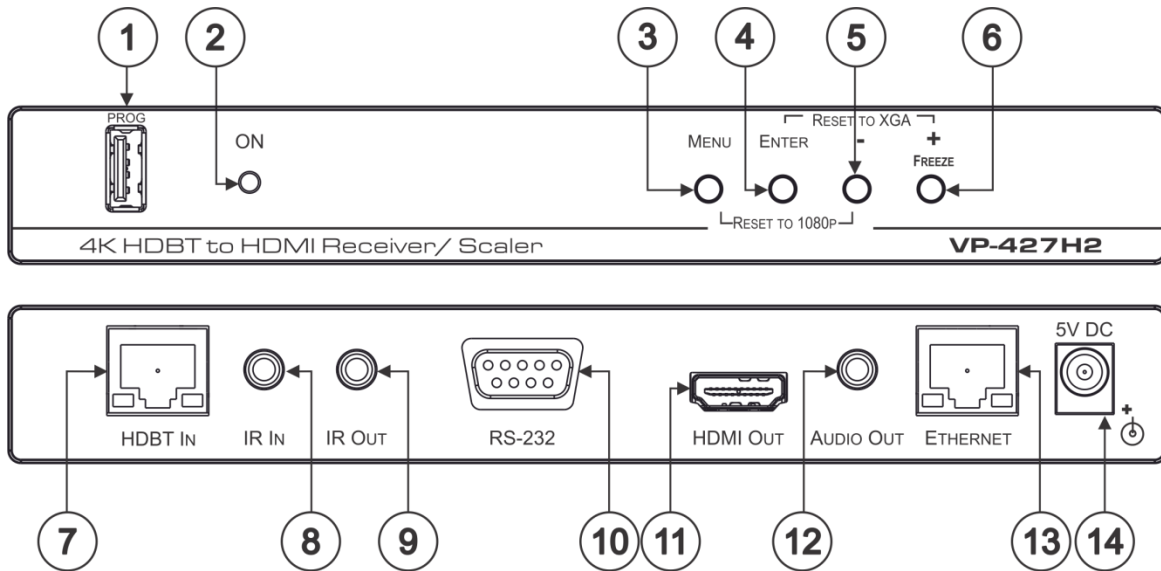
This guide helps you install and use your **VP-427H2** for the first time.

Go to www.kramerav.com/downloads/VP-427H2 to download the latest user manual and check if firmware upgrades are available.

Step 1: Check what's in the box

☑ **VP-427H2** 4K HDBT to HDMI Receiver/Scaler   ☑ 1 Bracket set   ☑ 1 Quick start guide

☑ 1 Power adapter and cord   ☑ 4 Rubber feet

Step 2: Get to know your VP-427H2
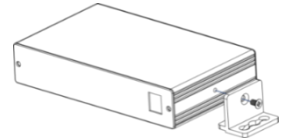

#	Feature	Function
1	PROG USB Connector	Connects to a USB memory stick for programming upgrade
2	ON LED	Lights green when the unit is powered on
3	MENU Button	Press to enter/exit the on-screen display (OSD) menu. Press together with the – button to reset to 1080p
4	ENTER Button	In OSD, press to choose the highlighted menu item. Press together with the +/FREEZE button to reset to XGA
5	–	In OSD, press to move back through the list or to decrement the parameter value
6	+/FREEZE Button	In OSD, press to move forward through the list or to increment the parameter value. When not in OSD, press to freeze the display
7	HDBT IN RJ-45 Connector	Connects to an HDBaseT transmitter
8	IR IN 3.5mm Mini Jack	Connects to an IR sensor
9	IR OUT 3.5mm Mini Jack	Connects to an IR emitter
10	RS-232 9-pin D-sub Connector	Connects to an acceptor to embed/de-embed control commands in the HDBaseT data stream
11	HDMI™ OUT Connector	Connects to an HDMI acceptor
12	AUDIO OUT 3.5mm Mini Jack	Connects to an unbalanced stereo audio acceptor
13	ETHERNET RJ-45 Connector	Connect to a PC via a LAN
14	5V DC	+5V DC connector for powering the unit

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

Step 3: Mount VP-427H2

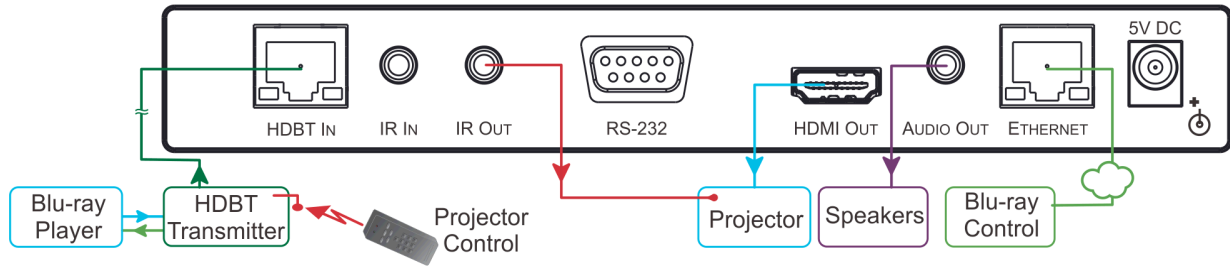Install **VP-427H2** using one of the following methods:

- 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-427H2).
- Mount the unit in a rack using the recommended rack adapter (see www.kramerav.com/product/VP-427H2).

⚠️
- 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-427H2**. For best results, we recommend that you always use Kramer high-performance cables to connect AV equipment to the **VP-427H2**.

ℹ️ To achieve specified extension distances, use the recommended Kramer cables available at www.kramerav.com/product/VP-427H2.

Using third-party cables may cause damage!

Step 5: Connect power

Connect the power cord to **VP-427H2** 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.

Step 6: Technical Specifications

Inputs:	1 HDBaseT twisted pair on an RJ-45 connector, 1 IR on a 3.5mm mini jack
Outputs:	1 HDMI connector, 1 IR on a 3.5mm mini jack, 1 unbalanced stereo audio (1.2Vrms nominal, 100Ω) on a 3.5mm mini jack
Ports:	1 bidirectional RS-232 port on a 9-pin D-sub connector, 1 Ethernet on an RJ-45 connector, 1 USB (A) for upgrading
Compliance with HDMI Standard:	Supports up to HDMI 2.0, and HDCP 2.2
Output Resolutions:	640x480@60Hz, 800x600@60Hz 1024x768@60Hz, 1280x768@60Hz, 1360x768@60Hz, 1280x800@60Hz, 1280x1024@60Hz, 1440x900@60Hz, 1400x1050@60Hz, 1680x1050@60Hz, 1600x1200@60Hz, 1920x1200@60Hz 480P@60Hz, 576P@50Hz, 720P@50/60Hz, 1080P@24/25/30Hz, 4k2k@24/25/30Hz, 4k2k (4:2:0)@50/60Hz, 4k2k (4:4:4)@50/60Hz, Native
Output Refresh Rate:	60Hz for computer graphics resolutions, 50/60Hz for HDTV resolutions
Audio Sampling Rate:	48kHz for analog audio output
Video Latency:	Progressive input: 30ms (approx.); interlaced input: 50ms (approx.)
Embedded Audio:	HDMI and HDBT support multi-channel audio
RS-232 Baud Rate:	115200bps max.
Controls:	Front panel buttons, OSD menu
Indicators:	ON LED (green)

Power Consumption:	5V DC, 2.5A	Power Source:	5.2V/4A
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 11.4cm x 2.5cm (7.4" x 4.5" x 1.0") W, D, H		
Shipping Dimensions:	35.1cm x 21.2cm x 7.2cm (13.8" x 8.35" x 2.8") W, D, H		
Weight:	0.56kg (1.2lb)	Shipping Weight:	1.1kg (2.42lb)
Included Accessories:	Power supply	Options:	RK-T2B 19" rack adapter

Specifications are subject to change without notice at www.kramerav.com

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