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PT-871xr Quick Start Guide

This guide helps you install and use your PT-871xr for the first time.

Go to www.kramerav.com/downloads/PT-871xr to download the latest user manual and check if firmware upgrades are available.

Step 1: Check what's in the box

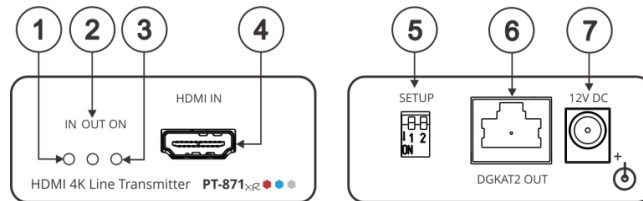
- ✓ PT-871xr HDMI 4K Line Transmitter
- ✓ 1 Power adapter and cord
- ✓ 4 Rubber feet
- ✓ 1 Quick start guide
- ✓ 1 Bracket set

IMPORTANT NOTICE!



We highly recommend using only Kramer UNIKAT cables with these products. If using 3rd party shielded CAT-6A cables, both ends of the shield must be soldered to the connectors for the products to function properly. Do not use any jumpers, unshielded wall plates or mid-span cable connections. These extenders are not compatible with HDBaseT technologies. Prior to signal extension, ensure that the extension line cable is lying straight and not coiled.

Step 2: Get to know your PT-871xr



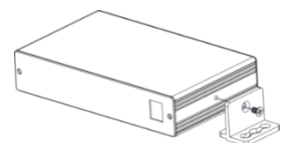
The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

#	Feature	Function
1	LED Indicators	IN Lights when an active source is connected to HDMI IN.
2		OUT Lights when an active acceptor is connected to HDMI OUT on the receiver (for example, WP-872xr).
3		ON Lights when power is connected to the device.
4	HDMI™ IN Connector	Connect to an HDMI source.
5	SETUP DIP-switches	Set the operation DIP-switches. Both DIP-switches are set to OFF (up) by default. i Always set the DIP-switches identically on transmitter and receiver devices.
		DIP-switch 1: Compression Options OFF (up) – Standard compression level. ON (down) – High compression level for additional range extension.
		DIP-switch 2: Compression Setup OFF (up) – Enable compression (mandatory). ON (down) – For future use.
6	DGKat-2.0 OUT RJ-45 Connector	Connect to the DGKat-2.0 IN connector on the receiver (for example, WP-872xr) using twisted pair cable.
7	12V DC Connector	Connect the power adapter to one of the devices.

Step 3: Install the PT-871xr

Install PT-871xr using one of the following methods:

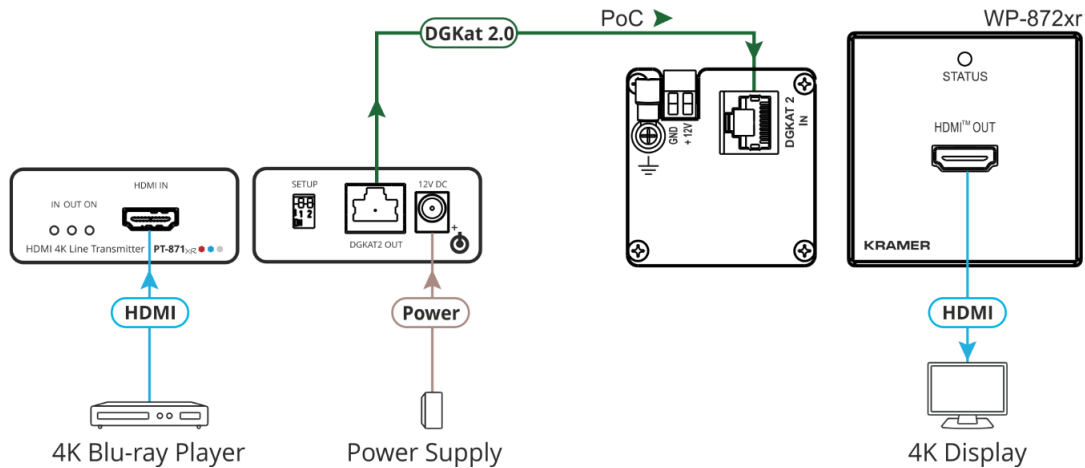
- Attach the rubber feet and place the unit on a flat surface.
- Fasten a bracket (included) on each side of the unit and attach it to a flat surface (see www.kramerav.com/downloads/PT-871xr).
- Mount the unit in a rack using the recommended rack adapter (see www.kramerav.com/product/PT-871xr).



- 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 the inputs and outputs

Always switch OFF the power on each device before connecting it to your PT-871xr.



To achieve specified extension distances, use the recommended Kramer cables to connect AV equipment to the PT-871xr (available at www.kramerav.com/product/PT-871xr).

Using third-party cables may cause damage!

Step 5: Connect the power

Connect the 12V power adapter to the PT-871xr and plug it into the mains electricity. This device provides power to its counterpart via DGKat 2.0. Each device can provide or accept power over cable (PoC) via DGKat 2.0.

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: Technical Specifications

Inputs	1 HDMI	On a female HDMI connector
Outputs	1 DGKAT 2.0	On a female RJ-45 connector
Video	Transmitted Data Bandwidth	Up to 18Gbps (6Gbps per graphic channel)
	Max Resolution	3840x2160@60Hz (4:4:4) 24bpp at high compression level 4096x2160@60Hz (4:4:4) 24bpp at standard compression level
	Compliance	HDMI 2.0, HDCP 2.2, HDR 10
Reach Extension	Standard Compression Level	Up to 40m (130ft) at 4K@60Hz (4:4:4) Up to 70m (230ft) at 4K@60Hz (4:2:0) or full HD (1080p @60Hz 36bpp)
	High Compression Level	Up to 60m (200ft) at 4K@60Hz (4:4:4) Up to 70m (230ft) at 4K@60Hz (4:2:0) or full HD (1080p @60Hz 36bpp)
Controls	Front Panel	IN, OUT and ON LEDs
	Rear Panel	DIP-switches
Power	Consumption	12V DC, 600mA
	Source	12V DC, 2A
Environmental Conditions	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
Regulatory Compliance	Safety	CE, UL
	Environmental	RoHs, WEEE
Enclosure	Size	Pico Tool
	Type	Aluminum
	Cooling	Convection Ventilation
Accessories	Included	1 Power adapter, 1 power cord

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