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PT-871/2xr-KIT Quick Start Guide

This guide helps you install and use your PT-871xr, PT-872xr 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

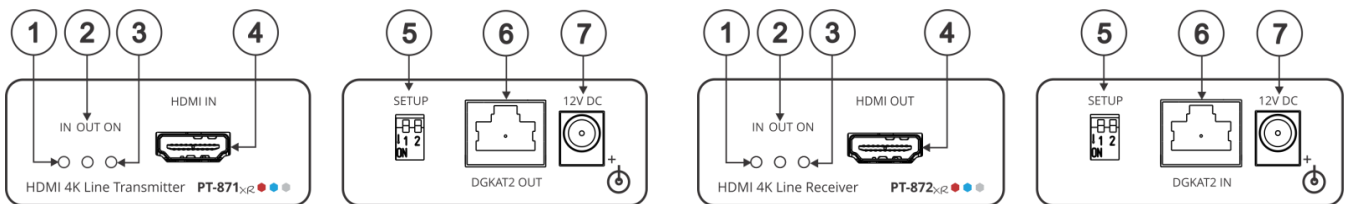
- ✓ PT-871xr, PT-872xr HDMI 4K Line Transmitter/Receiver
- ✓ 1 Power adapter and cord
- ✓ 4 Rubber feet (per device)
- ✓ 1 Bracket set (per device)
- ✓ 1 Quick start guide

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, PT-872xr

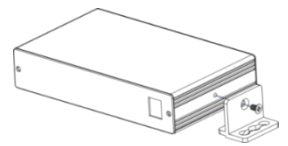


#	Feature	Function
1	LED Indicators	IN Lights when an active source is connected to HDMI IN on the PT-871xr .
2		OUT Lights when an active acceptor is connected to HDMI OUT on the PT-872xr .
3		ON Lights when power is connected to the device.
4	HDMI IN Connector (PT-871xr)	Connect to an HDMI source.
	HDMI OUT Connector (PT-872xr)	Connect to an HDMI acceptor.
5	SETUP DIP-switches	Set the operation DIP-switches. Both DIP-switches are set to OFF (up) by default. Always set the DIP-switches identically on both 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 RJ-45 Connector	PT-871xr OUT Connect to the DGKat-2.0 IN connector on the PT-872xr using twisted pair cable. PT-872xr IN Connect to the DGKat-2.0 OUT connector on the PT-871xr using twisted pair cable.
7	12V DC Connector	Connect the power adapter to one of the devices.

Step 3: Install the PT-871xr, PT-872xr

Install PT-871xr, PT-872xr using one of the following methods:

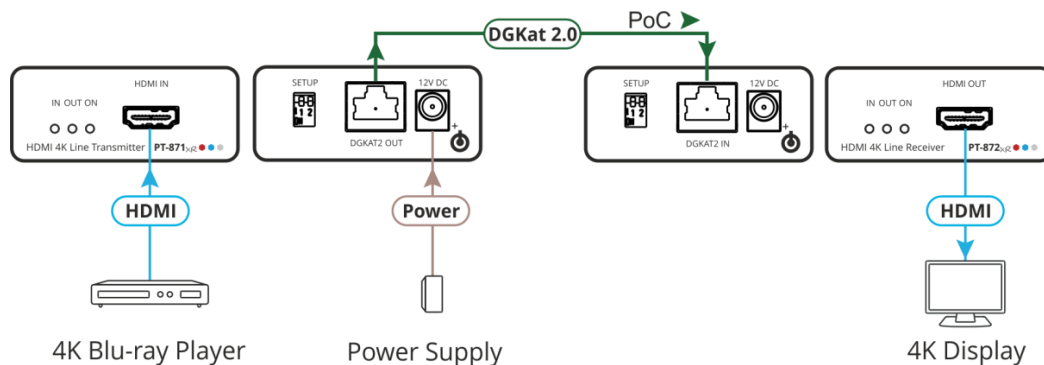
- Attach the rubber feet and place the unit on a flat surface.
- Fasten a bracket (included) on each side of the unit and attach it to a flat surface (see www.kramerav.com/downloads/PT-871xr).
- Mount the unit in a rack using the recommended rack adapter (see www.kramerav.com/product/PT-871xr).



- 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, PT-872xr.



To achieve specified extension distances, use the recommended Kramer cables to connect AV equipment to the PT-871xr, PT-872xr (available at www.kramerav.com/product/PT-871xr).

Using third-party cables may cause damage!

Step 5: Connect the power

Connect the power cord to PT-871xr, PT-872xr and plug it into the mains electricity.

Safety Instructions (See www.kramerav.com for updated safety information)

Caution:

- For products with relay terminals and GPIVO 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

PT-871xr		
Inputs	1 HDMI	On a female HDMI connector
Outputs	1 DGKAT 2.0	On a female RJ-45 connector
PT-872xr		
Inputs	1 DGKAT 2.0	On a female RJ-45 connector
Outputs	1 HDMI	On a female HDMI connector
General		
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		