

## PT-2H HDMI EXTENDER

Thanks for purchasing your Kramer **PT-2H**, an HDMI EXTENDER, which is ideal for multi-media and home cinema applications. It is a user-friendly, easy to install, small matchbox-sized box that extends the HDMI transmission length by regenerating the HDMI signal before it sends the output to the HDMI display or projector.



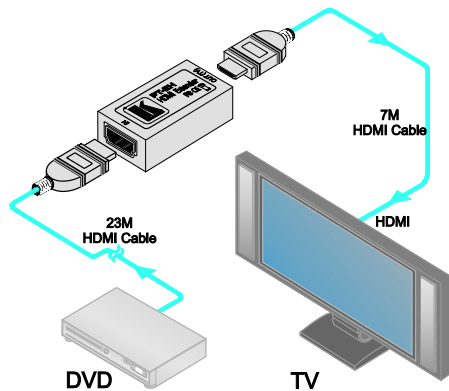
It lets you extend the HDMI cable distance between the HDMI player and HDMI TV set.

**Note, that the Kramer PT-2H is identical to the PT-2HDMI; just the name has changed replacing the suffix “HDMI” by “H” (according to the HDMI Guideline).** By placing your **PT-2H** near the display, it removes the digital noise (sparkles) in your picture that may result from using a long HDMI cable. In addition, the **PT-2H**:

- Provides a longer HDMI extension. The **PT-2H** can extend the maximum cable length to up to 30 meters (98 feet)
- Maintains an HDMI single link video resolution of 1080p
- Supports the DDWG standard for HDMI compliant displays
- Is HDCP Compliant

If a DVI device does not seem to function, verify that the device is HDCP compliant. A non-HDCP compliant DVI device will not work with a signal that is HDCP encoded.

## SET UP ILLUSTRATION



The **PT-2H** input is connected via a long male-to-male HDMI cable (not provided) to an HDMI source, such as a DVD player or a satellite set top box.

### PT-2H INPUT CONNECTOR:



The **PT-2H** output is connected via a second male-to-male HDMI cable (not provided) to an HDMI acceptor, such as a projector or plasma.

### PT-2H OUTPUT CONNECTOR:



## SPECIFICATIONS

INPUT VIDEO SIGNAL:	HDMI/DVI-TMDS.
MAXIMUM SINGLE LINK RANGE:	1920x1200, 1080p.
OUTPUT VIDEO:	HDMI, HDCP1.0/1.1.
HDMI INPUT/OUTPUT CONNECTOR:	Type A 19-pin.
PC VIDEO FORMAT:	All resolutions from VGA up to UXGA.
DTV/HDTV VIDEO FORMAT:	480i, 576i, 480p, 576p, 720p, 1080i, and 1080p.
HDMI COMPLIANCE:	HDMI.
VIDEO AMPLIFIER BANDWIDTH:	1.65Gbps.
OPERATING TEMPERATURE:	0°C to +70°C (32°F to 158°F).
OPERATING HUMIDITY:	10% to 85% RH (no condensation).
STORAGE TEMPERATURE:	-10°C to +80°C (14°F to 176°F).
STORAGE HUMIDITY:	5% to 90% RH (no condensation).
WEIGHT:	0.017kg (0.16lbs) approx.
DIMENSIONS:	2.7cm x 4.9cm x 1.5cm (1.1" x 2.0" x 0.6") W, D, H.

# WARRANTY

## LIMITED WARRANTY

Kramer Electronics (hereafter *Kramer*) warrants this product free from defects in material and workmanship under the following terms.

## HOW LONG IS THE WARRANTY

Labor and parts are warranted for three years from the date of the first customer purchase.

## WHO IS PROTECTED?

Only the first purchase customer may enforce this warranty.

## WHAT IS COVERED AND WHAT IS NOT COVERED

Except as below, this warranty covers all defects in material or workmanship in this product. The following are not covered by the warranty:

1. Any product which is not distributed by Kramer, or which is not purchased from an authorized Kramer dealer. If you are uncertain as to whether a dealer is authorized, please contact Kramer at one of the agents listed in the Web site [www.kramerelectronics.com](http://www.kramerelectronics.com).
2. Any product, on which the serial number has been defaced, modified or removed, or on which the WARRANTY VOID IF TAMPERED sticker has been torn, reattached, removed or otherwise interfered with.
3. Damage, deterioration or malfunction resulting from:
  - i) Accident, misuse, abuse, neglect, fire, water, lightning or other acts of nature
  - ii) Product modification, or failure to follow instructions supplied with the product
  - iii) Repair or attempted repair by anyone not authorized by Kramer
  - iv) Any shipment of the product (claims must be presented to the carrier)
  - v) Removal or installation of the product
  - vi) Any other cause, which does not relate to a product defect
  - vii) Cartons, equipment enclosures, cables or accessories used in conjunction with the product

## WHAT WE WILL PAY FOR AND WHAT WE WILL NOT PAY FOR

We will pay labor and material expenses for covered items. We will not pay for the following:

1. Removal or installations charges.
2. Costs of initial technical adjustments (set-up), including adjustment of user controls or programming. These costs are the responsibility of the Kramer dealer from whom the product was purchased.
3. Shipping charges.

## HOW YOU CAN GET WARRANTY SERVICE

1. To obtain service on your product, you must take or ship it prepaid to any authorized Kramer service center.
2. Whenever warranty service is required, the original dated invoice (or a copy) must be presented as proof of warranty coverage, and should be included in any shipment of the product. Please also include in any mailing a contact name, company, address, and a description of the problem(s).
3. For the name of the nearest Kramer authorized service center, consult your authorized dealer.

## LIMITATION OF IMPLIED WARRANTIES

All implied warranties, including warranties of merchantability and fitness for a particular purpose, are limited in duration to the length of this warranty.

## EXCLUSION OF DAMAGES

The liability of Kramer for any effective products is limited to the repair or replacement of the product at our option. Kramer shall not be liable for:

1. Damage to other property caused by defects in this product, damages based upon inconvenience, loss of use of the product, loss of time, commercial loss; or:
2. Any other damages, whether incidental, consequential or otherwise. Some countries may not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights, which vary from place to place.

**NOTE:** All products returned to Kramer for service must have prior approval. This may be obtained from your dealer.

This equipment has been tested to determine compliance with the requirements of:

- EN-50081: "Electromagnetic compatibility (EMC); generic emission standard.  
Part 1: Residential, commercial and light industry"
- EN-50082: "Electromagnetic compatibility (EMC) generic immunity standard.  
Part 1: Residential, commercial and light industry environment".
- CFR-47: FCC\* Rules and Regulations:  
Part 15: "Radio frequency devices  
Subpart B Unintentional radiators"

## CAUTION!

- ⊗ Servicing the machines can only be done by an authorized Kramer technician. Any user who makes changes or modifications to the unit without the expressed approval of the manufacturer will void user authority to operate the equipment.
- ⊗ Use the supplied DC power supply to feed power to the machine.
- ⊗ Please use recommended interconnection cables to connect the machine to other components.  
\* FCC and CE approved using STP cable (for twisted pair products)



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For the latest information on our products and a list of Kramer distributors,  
visit our Web site: [www.kramerelectronics.com](http://www.kramerelectronics.com)

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