

KanexPro™

SP-HD1X24K

1x2 HDMI Splitter with 4K Cinema resolutions & EDID



Table of Contents

- 1. Introduction..... 1
 - 1.1. Introduction to SP-HD1X24K..... 1
 - 1.2. Features 1
 - 1.3. Package Contents 1
 - 1.4. Specifications 2
 - 1.5. Operation controls and functions..... 3
 - 1.6. Application Example..... 4
- 2. Warranty..... 5

1. Introduction

1.1. Introduction to SP-HD1X24K

The KanexPro 1x2 HDMI Splitter is a 4K@30Hz compliant distribution amplifier lets you duplicate one HDMI source to 2 displays without losing signal integrity and resolution.

The Ultra HD 4K format on the HDMI splitter ensures astounding picture quality, four times the resolution of high-definition 1080p at 30 Hz. This HDCP compliant splitter is also backward compatible with previous HDMI revisions, supporting 1080p / 720p HDMI video resolution devices. Even if you don't require 4K video today, it ensures you'll be ready to take advantage of tomorrow's display technology.

1.2. Features

- Distribute high-resolution HDMI signals with audio to 2 Ultra HD displays
- EDID selector for various signal formats
- Supports full 3D and 4Kx2K resolution
- Supports full HD 1080p (1920 x 1080@60Hz)
- Computer resolution up to WUXGA (1920 x1200@60Hz)
- Supports 5.1, 7.1 Digital Audio and uncompressed LPCM
- HDCP & CEC compliant Supports
- Supports latest HDMI High Speed Specifications
- 12-bit per channel (36-bit all channel) Deep color
- Compact metal enclosure

1.3. Package Contents

- HDMI splitter
- 5V USB to DC Power Supply
- Operation Manual

1.4. Specifications

Signal Inputs/Output:

- Input DDC Signal: 5 volts p-p (TTL)
- Maximum Single Link Range: 4K x 2K
- Output Video: HDMI 1.4 with full 3D and 4Kx2K@30Hz + HDCP
- CEC - Pass through enabled

Operating Frequency:

- Vertical Frequency Range: 50/60Hz
- Video Amplifier Bandwidth: 2.97 Gbps

Resolutions (HDTV):

- Interlaced (50&60Hz): 480i, 576i, and 1080i
- Progressive (50&60Hz): 480p, 576p, 720p, 1080p, and 4Kx2K

Power Requirements:

- External Power Supply: 5V DC@ 1A
- Power consumption (Max): 5W

Dimensions: (L-W-H): 2.51"x 2.36"x0.78"

Weight: 0.66 lbs. (300g)

Environment:

- Operating Temperature: 0°C ~ 40°C / 32°F ~ 104°F
- Storage Temperature: -20°C ~ 60°C / -4°F ~ 140°F

Limited Warranty: 1-Year Parts & Labor

1.5. Operation Controls and Functions

Front Panel:

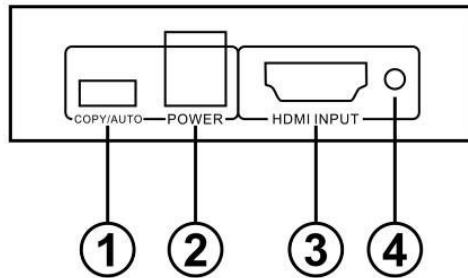
① EDID Mode:

- **Copy Mode:** copy output 2's EDID to the input port
- **Auto Mode:** compare EDID for output ports 1 and 2

② DC 5V: Plug the 5V DC power supply into the unit and connect the adapter to an AC wall outlet.

③ HDMI Input: This slot is where you will connect a HDMI device like a Blu-Ray Player, Cable Box, PS4, Laptop, or Xbox One.

④ Input LED: This red LED will illuminate when the HDMI signal is plugged in.



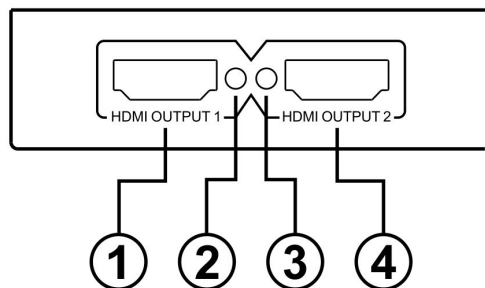
Rear Panel:

① Output 1: This slot is where you will connect a 4KHDTV or monitor with a HDMI cable

② Output 1 LED: This red LED will illuminate when the 4KTV is plugged into HDMI output port 1

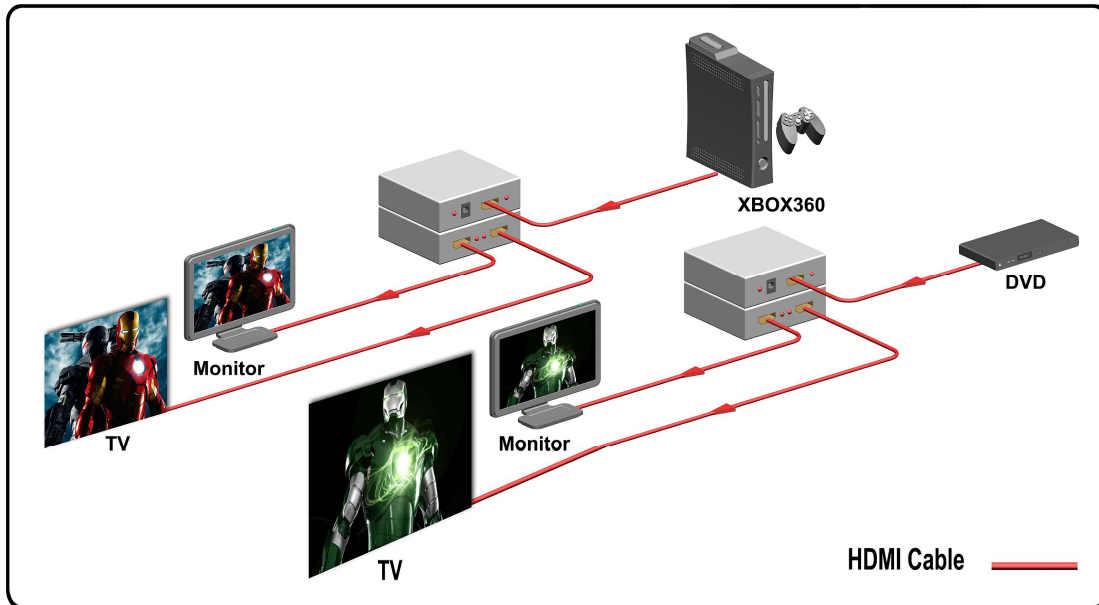
③ Output 2 LED: This red LED will illuminate when the 4KTV is plugged into HDMI output port 2

④ Output 2: This slot is where you will connect a 4KHDTV or monitor with a HDMI cable



1.6. Application Example

Application Example



2. Warranty

KanexPro™ warrants that (a) its products (the “Product”) will perform greatly in agreement with the accompanying written materials for a period of 1 year from the date of receipt and (b) that the product will be free from defects in materials and workmanship under normal use and service for a period of 1 year.

B. CUSTOMER REMEDIES

KanexPro’s entire liability and Customer’s exclusive remedy shall be, at KanexPro option, either return of the price paid for the product, or repair or replacement of the Product that does not meet this Limited Warranty and which is returned to KanexPro with a copy of customers’ receipt. This Limited Warranty is void if failure of the Product has resulted from accident, abuse, or misapplication. Any replacement Product will be warranted for the remainder of the original warranty period or 90 days whichever is longer.

C. NO OTHER WARRANTIES

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TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL KANEX BE LIABLE FOR ANY DAMAGES WHATSOEVER (INCLUDING WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR INDIRECT DAMAGES FOR PERSONAL INJURY, LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION, OR ANY OTHER PECUNIARY LOSS) ARISING OUT OF THE USE OF OR INABILITY TO USE THIS PRODUCT, EVEN IF KANEX HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

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MPN: SP-HD1X24K

