

# KanexPro™

## SP-HD1X44K

1x4 HDMI Splitter with 4K Cinema resolutions & EDID Selector



# Table of Contents

- 1. Introduction..... 1
  - 1.1. Introduction to SP-HD1X44K..... 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-HD1X44K

The KanexPro 1x4 HDMI Splitter is a 4K@30Hz compliant distribution amplifier lets you duplicate one HDMI source to four 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 four Ultra HD displays
- Supports full 3D and 4Kx2K resolution
- Supports full HD 1080p (1920 x 1080@60Hz)
- Computer resolution up to WUXGA (1920 x 1200@60Hz)
- EDID mode for copying the same resolution to input port
- Supports 5.1, 7.1 Digital Audio and uncompressed LPCM
- HDCP & CEC compliant
- Supports latest HDMI High Speed Specifications
- Supports 12-bit per channel (36-bit all channel) Deep color
- Front USB ports for firmware update
- Compact metal enclosure

### 1.3. Package Contents

- HDMI Splitter
- 5V, 1A DC power supply
- Manual

## 1.4. Specifications

### Signal Inputs/Output:

- Input DDC Signal: 5 volts p-p (TTL)
- Maximum Single Link Range: 4K x 2K@30Hz
- Output Video: HDMI 1.4 with full HD 1080p, 1920x1200, 720p, 3D and 4Kx2K + 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@30Hz

### Power Requirements:

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

### Mechanical:

- Size (L-W-H): 5.7"x2.7"x0.98"
- Weight: 0.27 lbs. (25g)

### Environment:

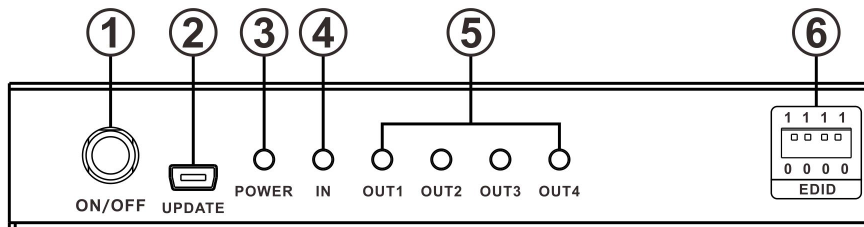
- Operating Temperature: 0°C ~ 40°C / 32°F ~ 104°F
- Storage Temperature: -20°C ~ 60°C / -4°F ~ 140°F

**Limited Warranty:** 1-Year Parts & Labor

### 1.5. Operation Controls and Functions

#### Front Panel:

- ① On/Off: Power on/off switch
- ② Update: System software update
- ③ Power LED: This red LED will illuminate when the device is connected with power supply
- ④ Input LED: This red LED will illuminate when the HDMI Input port is connected to a device
- ⑤ Output LED: These red LEDs illuminate when a 4KTV/Display is connected to its corresponding HDMI Output Port



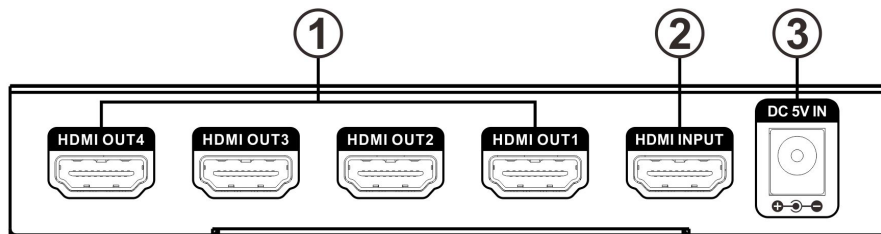
- ⑥ EDID Selector: Select HDMI output signal format via EDID Selector

Position	EDID Description
0000	Copy EDID from HDMI OUT1
0001	1080p, 2CH AUDIO
0010	1080p, DOLBY/DTS 5.1
0011	1080p, HD AUDIO
0100	1080i, 2CH AUDIO
0101	1080i, DOLBY/DTS 5.1
0110	1080i, HD AUDIO
0111	3D, 1080p, 2CH AUDIO
1000	3D, 1080p, DOLBY/DTS 5.1
1001	3D, 1080p, HD AUDIO
1010	4Kx2K, 2CH AUDIO
1011	4Kx2K, DOLBY/DTS 5.1
1100	4Kx2K, HD AUDIO

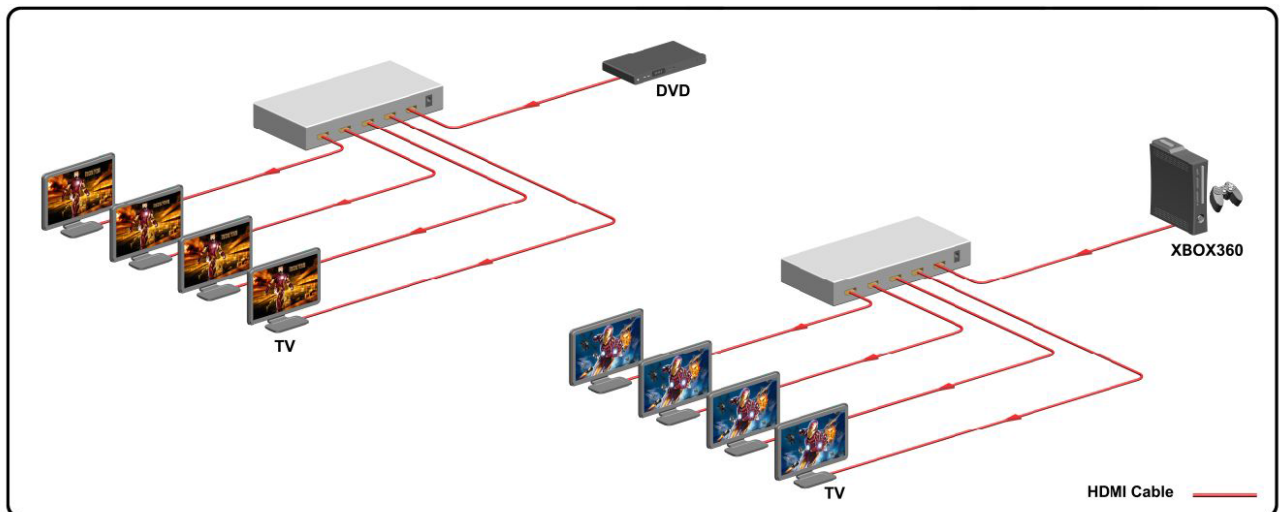
1101	1080p, 2CH AUDIO
1110	1080p, 2CH AUDIO
1111	Auto Compare HDMI OUT EDID

### Rear Panel:

- ① HDMI OUTPUT: These slots are where you connect the 4KHDTVs or monitors with HDMI cables
- ② HDMI INPUT: This slot is where you will connect a HDMI device like a Blu-Ray Player, PS4, Cable Box, Laptop, or Xbox One
- ③ DC 5V: Plug the 5V DC power supply into the unit and connect the adapter to an AC wall outlet



### 1.6. 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**

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, KANEX DISCLAIMS ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WITH REGARD TO THE PRODUCT AND ANY RELATED WRITTEN MATERIALS. THIS LIMITED WARRANTY GIVES CUSTOMERS SPECIFIC LEGAL RIGHTS. CUSTOMERS MAY HAVE OTHER RIGHTS DEPENDING ON THE JURISDICTION.

### **D. NO LIABILITY FOR DAMAGES**

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.

The logo for KanexPro, featuring the brand name in a bold, sans-serif font with a trademark symbol.

Brea, California  
KanexPro.com

MPN: SP-HD1X44K