

KanexPro™

HAECOAX

Setup Guide

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Notice

KanexPro™ reserves the right to make changes in the hardware, packaging and any accompanying documentation without prior written notice.

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Introduction

The KanexPro Audio De-Embedder with 3D support is a simple device, designed to extract HDMI audio from HDMI signals. It outputs to analog 2-channel stereo and digital S/PDIF simultaneously providing uncompressed multichannel audio up to 5.1 channel surround sound. Supports data rates up to 6.75 Gbps to all channels with HDMI 1.3 Deep Color. Fully HDCP compliant with any HDTV displaying resolutions to 1080p/60 and PC resolutions to 1920x1200.

Input cable equalization on the audio de-embedder compensates for weak source signals or signal loss when using long input cable assemblies. Supports wide variety of audio formats from two-channel PCM or encoded bit stream audio for Dolby® Digital to 5.1 DTS® Digital Surround.

Features

- Extracts HDMI digital audio output simultaneously to Stereo and S/PDIF
- HDCP compliant
- Supports 3D & CEC pass-through
- Supports selectable audio through switching
- Audio: 2.0CH/5.1CH selection through
- HD resolution to full 1080p
- Supports data rates up to 6.75Gbps
- Automatic cable input equalization
- Supports Color Depth up to 12-bit per channel (36-bit all channels)
- Supports uncompressed audio such as LPCM
- Supports compressed audio such as DTS Digital, Dolby Digital

Specifications

Inputs/Output Connector

Input Connector: HDMI Female

Output Connector: HDMI Female, Toslink, Coaxial, 3.5mm Stereo

Operating Frequency

Vertical Frequency Range: 50/60Hz

Video Amplifier Bandwidth: 2.25Gbps / 225MHz

Resolutions (HDTV)

Interlaced (50/60Hz): 480i, 576i, and 1080i

Progressive (50/60Hz): 480p, 576p, 720p, and 1080p

Power Requirements

External Power Supply: 5V DC @ 2A

Power Consumption (Max.): 2.5W

Environment

Operating Temperature: 0°C to +70°C

Operating Humidity: 10% to 80% RH (no condensation)

Storage Temperature: -10°C to +80°C

Storage Humidity: 5% to 90% RH (no condensation)

Warranty

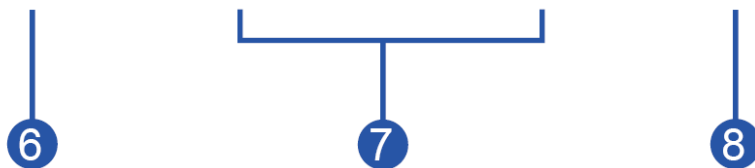
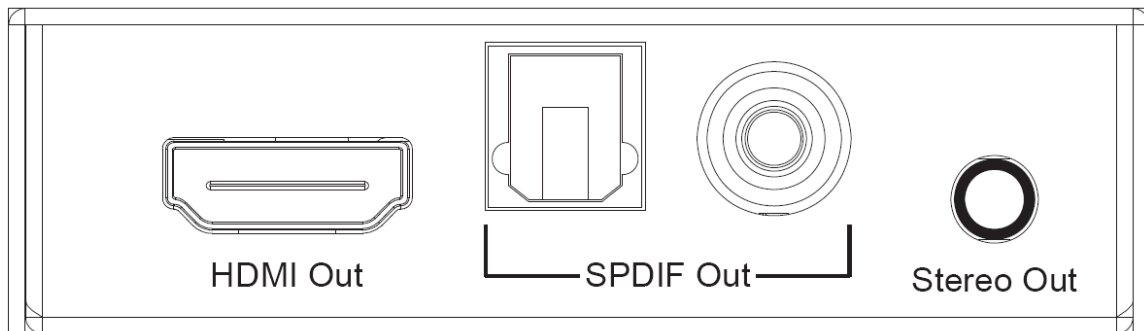
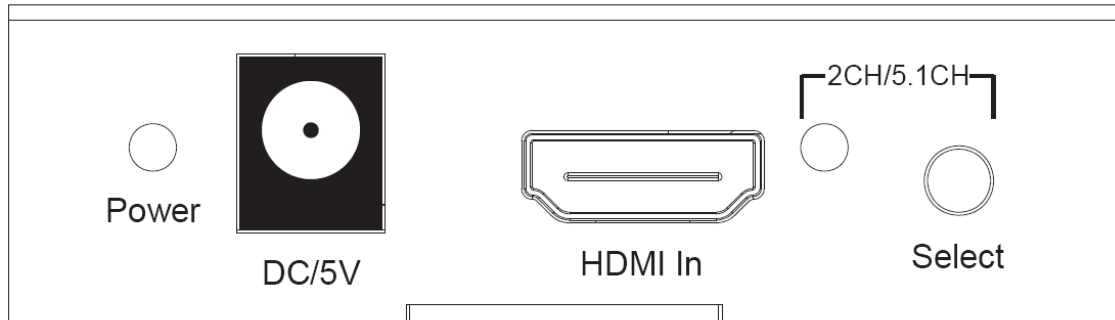
Limited Warranty: 1-Year Parts & Labor

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Package Contents

- 1) Main Unit
- 2) 5V DC Power Supply
- 3) User's Manual

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Panel Description

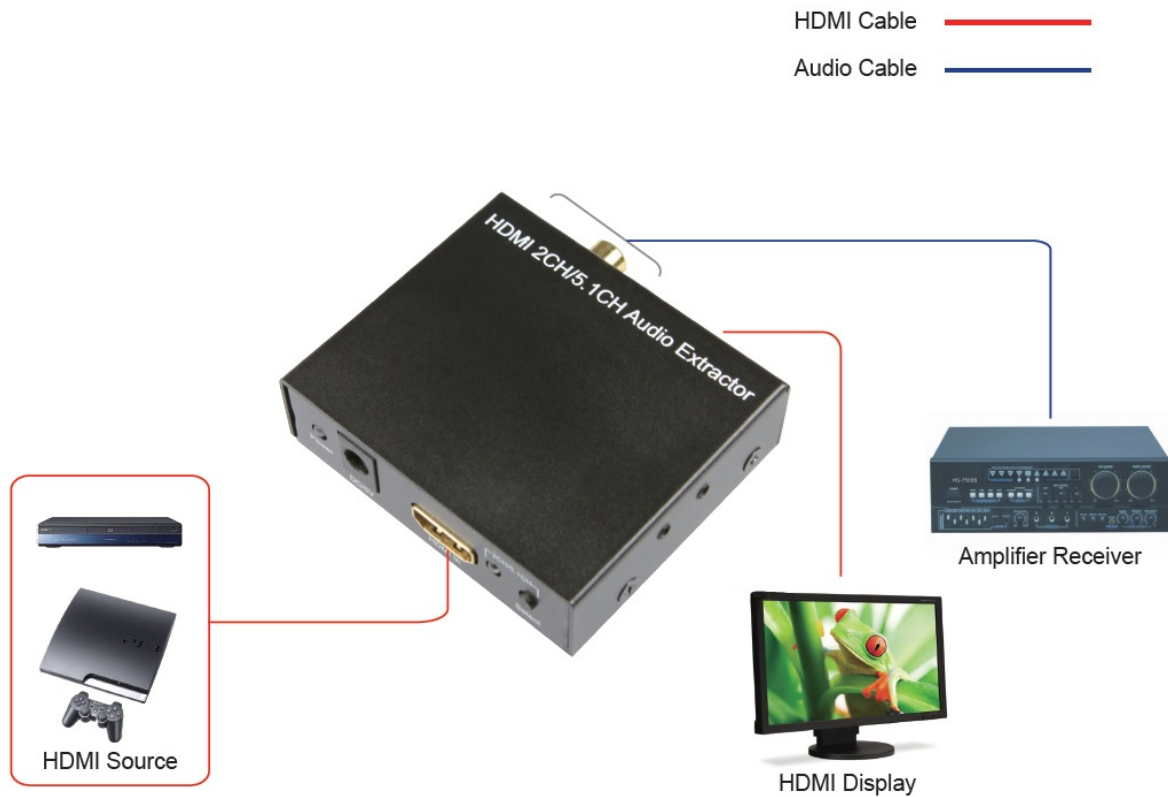


1. Power & Active LED
 - This unit has a double color LED. Red LED indicates that the unit is getting sufficient power; Purple LED indicates that the unit is functioning normally. (Red & Blue Mixed)
2. DC/5V
 - Connect this port to the power adapter
3. HDMI in
 - Connect this port to an HDMI equipped source
4. 2.0 CH / 5.1 CH LED
 - When 2.0 CH is being selected it is off; When 5.1 CH is being selected it is on.
5. 2.0 CH / 5.1 CH Button
 - Pressing this button will switch between 2.0 / 5.1 CH manually
6. HDMI Out
 - Connect this port to an HDMI equipped display
7. SPDIF Out
 - Connect Toslink or Coaxial port to an Amplifier Receiver
8. Stereo Out
 - Connect this port to an Amplifier Receiver

Note: Only when the source supports 5.1CH output (including CD), this function is effective and it realizes through the 2.1CH/5.1CH buttons. The product default output is 5.1CH, and LED turns on at the time. Press the button again, the product outputs 2CH audio and the LED turns off. If the source can only supports 2CH audio output, the “2CH/5.1CH” button will become invalid, that is, although you press “2CH/5.1CH” button, the product will still output 2CH audio and the LED will stay on.

Connection & Operation

1. Connect the input of this unit to an HDMI equipped source.
2. Connect the output of this unit to an HDMI equipped display.
3. Connect the SPDIF or Stereo port to an Amplifier Receiver.
4. Insert the DC side of the 5V power supply into the unit and then into an available wall outlet.
5. Select the Audio output in which you want the audio to pass-through by pressing the "2CH / 5.1CH" button.



Warranty

Warranty:

A. Limited Warranty

- KanexPro™ warrants that (a) its products (the “Product”) will perform greatly in agreement with the accompanying written materials for a period of 12 months (1 full 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 of 1 year, 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.