HD-1X4-4K User Manual

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

SURGE PROTECTION DEVICE RECOMMENDED

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.
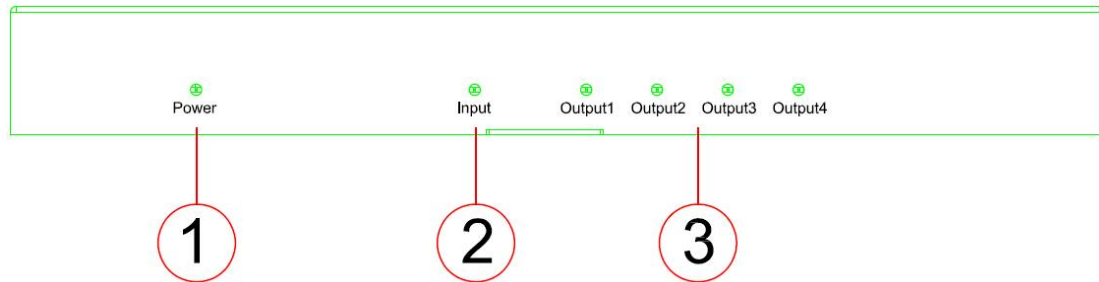
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Introduction:

The DA0104-AUI HDMI 1×4 distribution amplifier splits a single DVI or HDMI audio/video source for display on four identical outputs, supporting 1080p Full HD up to 4K@30Hz UHD plus all 3D formats, along with multichannel digital audio formats such as Dolby® True HD and DTS-HD® Master Audio™. Embedded audio extractors can extract the audio and output via L/R and Coaxial.

Features:

- Supports resolutions up to 1080p@60Hz, 4K@30Hz, 36-bit deep color
- Splits a HDMI source to 4 outputs without loss
- Extract the audio from HDMI source via analog and digital outputs.
- Dolby TrueHD and DTS-HD master audio pass through HDMI output
- Advanced EDID management for rapid integration of sources and displays
- LEDs for power-on and outputs indication.
- Easy installation with rack-mounting ears
- Small compact size
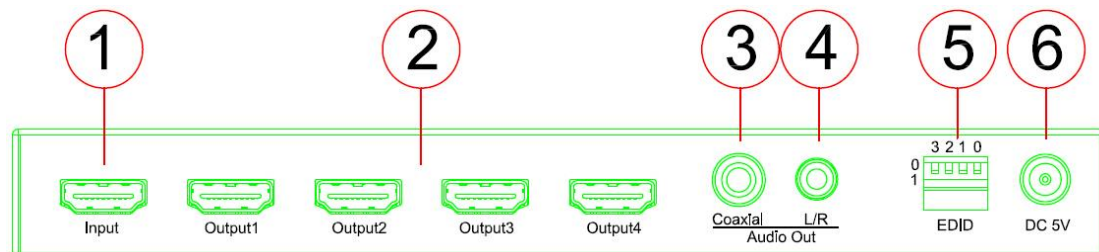- Full 3D pass- through.
- HDCP compliant

Panel Descriptions

Front Panel

1. Power LED indicator---Indicate the status of the power for the unit.

2. Input LED indicator ---Indicate the status of the input for the unit.

3. Output LED indicator --- Indicate the status of the output for the unit.

Back Panel

1. HDMI input--- Connect to HDMI source.

2. HDMI outputs 1 to 4---Connect to displays.

3. Coaxial audio out--- RCA connector, extract audio from HDMI input.

4. L/R audio out ---3.5mm stereo phone-jack, extract audio from HDMI input, will mute if

multichannel audio

5. DIP switcher--- EDID management.

6. Power port--- Use included 5V/2A DC adaptor to power the unit.

DIP switcher EDID setting:

[DIP]=0000: Copy EDID From Output1, i.e., EDID pass through

[DIP]=0001: HDMI 1080p@60Hz, Audio 2CH PCM
[DIP]=0010: HDMI 1080p@60Hz, Audio 5.1CH PCM/DTS/DOLBY
[DIP]=0011: HDMI 1080p@60Hz, Audio 7.1CH PCM/DTS/DOLBY/HD

[DIP]=0100: HDMI 1080i@60Hz, Audio 2CH PCM
[DIP]=0101: HDMI 1080i@60Hz, Audio 5.1CH PCM/DTS/DOLBY
[DIP]=0110: HDMI 1080i@60Hz, Audio 7.1CH PCM/DTS/DOLBY/HD

[DIP]=0111: HDMI 1080p@60Hz/3D, Audio 2CH PCM
[DIP]=1000: HDMI 1080p@60Hz/3D, Audio 5.1CH PCM/DTS/DOLBY
[DIP]=1001: HDMI 1080p@60Hz/3D, Audio 7.1CH PCM/DTS/DOLBY/HD

[DIP]=1010: HDMI 4K2K, Audio 2CH PCM
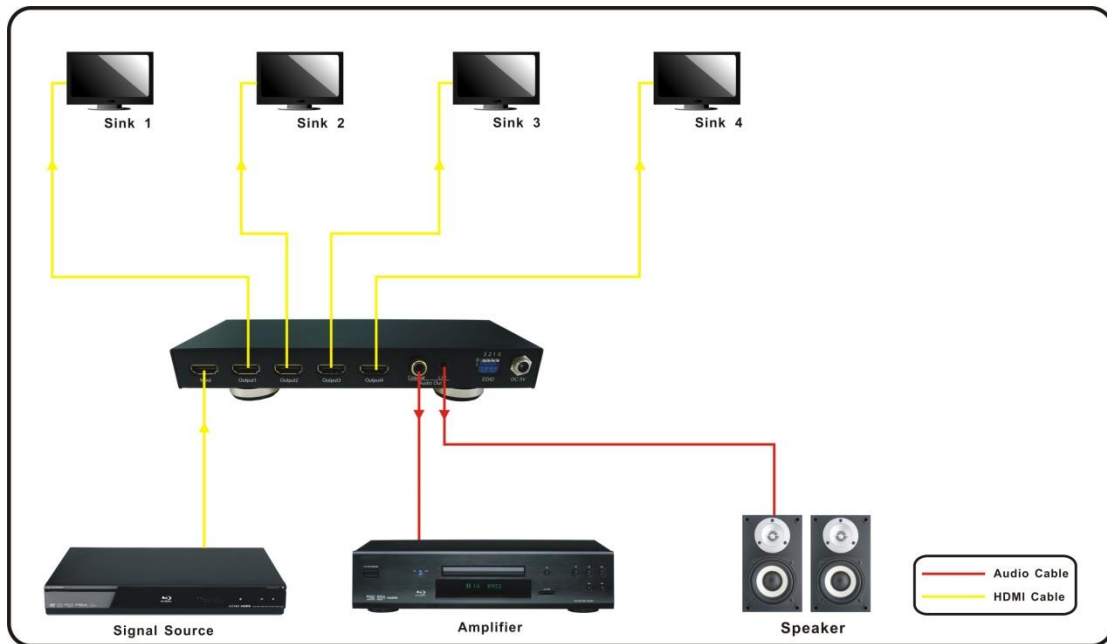[DIP]=1011: HDMI 4K2K, Audio 5.1CH PCM/DTS/DOLBY
[DIP]=1100: HDMI 4K2K, Audio 7.1CH PCM/DTS/DOLBY/HD

[DIP]=1101: DVI 1280x1024@60Hz, Audio None
[DIP]=1110: DVI 1920x1080@60Hz, Audio None
[DIP]=1111: DVI 1920x1200@60Hz, Audio None

Application Diagram

Specifications:

Bandwidth:	2.97Gbps per color
Video Input Connectors:	1x HDMI Type A, 19-pin, female
Video Output Connectors:	4x HDMI Type A, 19-pin, female
Audio Output Connectors	1x RCA (SPDIF), 1x 3.5mm stereo jack (L/R)
EDID:	4-PIN DIP switch
Rack-Mountable:	Rack ears included
Dimensions (W x H x D):	196mm x 80mm x 22mm , without feet
Shipping Weight:	0.4kg
Operating Temperature:	32°F to 104°F (0°C to 40°C)
Storage Temperature :	-4°F to 140°F (-20°C to 60°C)
Power Supply:	5V/2A DC

Package Contents:

1. 1x HD-1X4-4K
2. 1x 5V/2A DC power supply
3. 1x mounting kit.

Maintenance

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner or benzene to clean this unit.

Warranty Policy

Factor Electronics products are warranted against defects in material and workmanship for two years from the date of shipment. During the warranty period, Factor Electronics will, at its option, repair or replace products that prove to be defective. Repairs are warranted for the remainder of the original warranty or a 90 day extended warranty, whichever is longer.

For equipment under warranty, the owner is responsible for freight to Factor Electronics and all related customs, taxes, tariffs, insurance, etc. Factor Electronics is responsible for the freight charges only for return of the equipment from the factory to the owner. Factor Electronics will return the equipment by the same method (i.e., Air, Express, Surface) as the equipment was sent to Factor Electronics.

All equipment returned for warranty repair must have a valid RMA number issued prior to return and be marked clearly on the return packaging. Factor Electronics strongly recommends all equipment be returned in its original packaging.

Factor Electronics′ obligations under this warranty are limited to repair or replacement of failed parts, and the return shipment to the buyer of the repaired or replaced parts.

Limitations of Warranty

The warranty does not apply to any part of a product that has been installed, altered, repaired, or misused in any way that, in the opinion of Factor Electronics, would affect the reliability or detracts from the performance of any part of the product, or is damaged as the result of use in a way or with equipment that had not been previously approved by Factor Electronics.

The warranty does not apply to any product or parts thereof where the serial number or the serial number of any of its parts has been altered, defaced, or removed.

The warranty does not cover damage or loss incurred in transportation of the product.

The warranty does not cover replacement or repair necessitated by loss or damage from any cause beyond the control of Factor Electronics, such as lightning or other natural and weather related events or wartime environments.

The warranty does not cover any labor involved in the removal and or reinstallation of warranted equipment or parts on site, or any labor required to diagnose the necessity for repair or replacement.

The warranty excludes any responsibility by Factor Electronics for incidental or consequential damages arising from the use of the equipment or products, or for any inability to use them either separate from or in combination with any other equipment or products.

A fixed charge established for each product will be imposed for all equipment returned for warranty repair where Factor Electronics cannot identify the cause of the reported failure.

Exclusive Remedies

Factor Electronics's warranty, as stated is in lieu of all other warranties, expressed, implied, or statutory, including those of merchantability and fitness for a particular purpose. The buyer shall pass on to any purchaser, lessee, or other user of Factor Electronics' products, the aforementioned warranty, and shall indemnify and hold harmless Factor Electronics from any claims or liability of such purchaser, lessee, or user based upon allegations that the buyer, its agents, or employees have made additional warranties or representations as to product preference or use.

The remedies provided herein are the buyer's sole and exclusive remedies.   Factor Electronics shall not be liable for any direct, indirect, special, incidental, or consequential damages, whether based on contract, tort, or any other legal theory.

RMA Policy

When returning product to Factor Electronics for any reason, the customer should fill out the official RMA form to obtain a RMA number. Without the permission or approval, Factor Electronics will be no responsible for any return.

This can be initiated by emailing or calling your related sales.

All requests are processed within 48 hours.

Standard Replacement

For customers that agree to return defective product to Factor Electronics first, a Standard Replacement option is available.

An RMA number must first be issued by sales. This RMA number will need to be referenced on the outside of the return shipment.

Upon receipt of the defective product, Factor Electronics will, at its discretion, either repair or replace the product and ship it out in the most expeditious manner possible. Subject to availability, the replacement product will be shipped on the business day following receipt of the defective product.

In the event the product returned to Factor Electronics has been discontinued (i.e. the product is no longer being manufactured by Factor Electronics but is still under warranty), Factor Electronics will, at its discretion, either repair or replace with recertified product.

Once you have obtained an RMA number

After obtaining an RMA number from Factor Electronics, you must send the product - freight prepaid - to Factor Electronics Technology Co., Ltd. The Factor Electronics RMA number must be prominently displayed on the outside of your package. If you send your product to Factor Electronics without the RMA number prominently displayed on the outside of the package, it will be returned to you unopened.

Please use a shipping company that can demonstrate proof of delivery. Factor Electronics does not accept responsibility for any lost shipments unless proof of delivery to Factor Electronics is provided.

Please note:

Product shipped to Factor Electronics must be properly packaged to prevent loss or damage in transit.

Shipping your RMA to Factor Electronics using regular mailing envelopes is not acceptable, as they do not protect the product from damage during shipping.

Factor Electronics will not repair or replace a module that is shipped in such a way that the product is not properly protected.

Factor Electronics will not accept any product that has been damaged as a result of accident, abuse, misuse, natural or personal disaster, or any unauthorized disassemble, repair or modification.