

▶ HDCP11AB

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

Our HDCP11AB is designed to resolve HDCP 2.2 incompatibility issues.

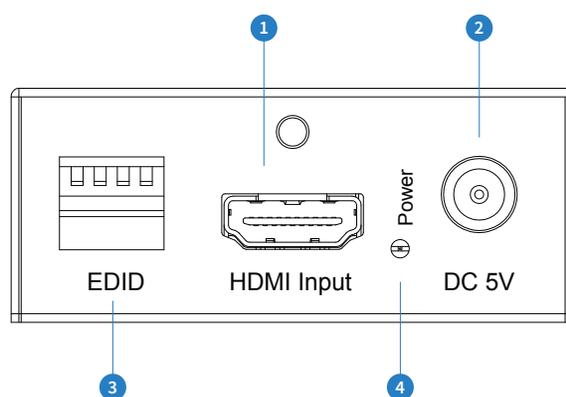
The HDCP11AB converts the HDCP 2.2 input to a lower HDCP format allowing integration of HDCP 2.2 source products to non-HDCP 2.2 compatible products (displays, AV receivers, soundbars etc). The HDCP11AB also features in-built EDID management and has HDMI de-embedding to extract audio from the HDMI input onto both analogue and Coaxial digital outputs concurrently.

This solution prevents the need to upgrade all of your HDMI video components when a HDCP 2.2 device is added to the system.

FEATURES:

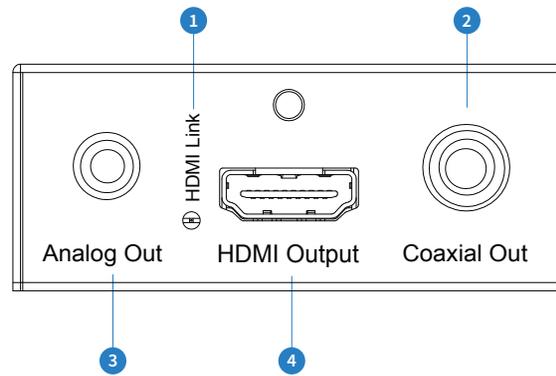
- Conversion of HDCP 2.2 to all lower HDCP formats.
- HDMI audio de-embedded to both analogue L/R audio and Coaxial digital outputs concurrently.
- Supports all industry standard video resolutions including VGA-WUXGA and 480i-4K.
- Support pass-through of all known HDMI audio formats including Dolby TrueHD, Dolby Atmos, Dolby Digital Plus and DTS-HD Master audio transmission.
- Advanced EDID management.
- Small compact size.

Front Panel



- ① HDMI Input - Connect to the HDMI source device.
- ② DC 5V - Connect to supplied 5V/1A power supply.
- ③ EDID DIP Switches - EDID management (see page 4).
- ④ Power LED indicator - Lit when unit is powered.

Rear Panel



- 1 HDMI LED indicator - Lit when detecting a HDMI connection to a display/end point.
- 2 Digital Coaxial Out—Extracted audio from the HDMI input.
- 3 L/R Out Analogue Audio Out - Extracted audio from HDMI input (Compatible with 2ch PCM only).
- 4 HDMI Output - Connect to the HDMI display.



EDID Control

EDID (Extended Display Identification Data) is a data structure that is used between a display and a source. This data is used by the source to find out what audio and video resolutions are supported by the display then from this information the source will determine what the best resolution is to output.

While the objective of EDID is to make connecting a digital display to a source a simple plug and play procedure issues do arise when multiple displays or video matrix switching is introduced because of the increased number of variables.

By pre-determining the video resolution and audio format of the source and display device you can potentially work around compatibility issues associated with some display and source combinations.

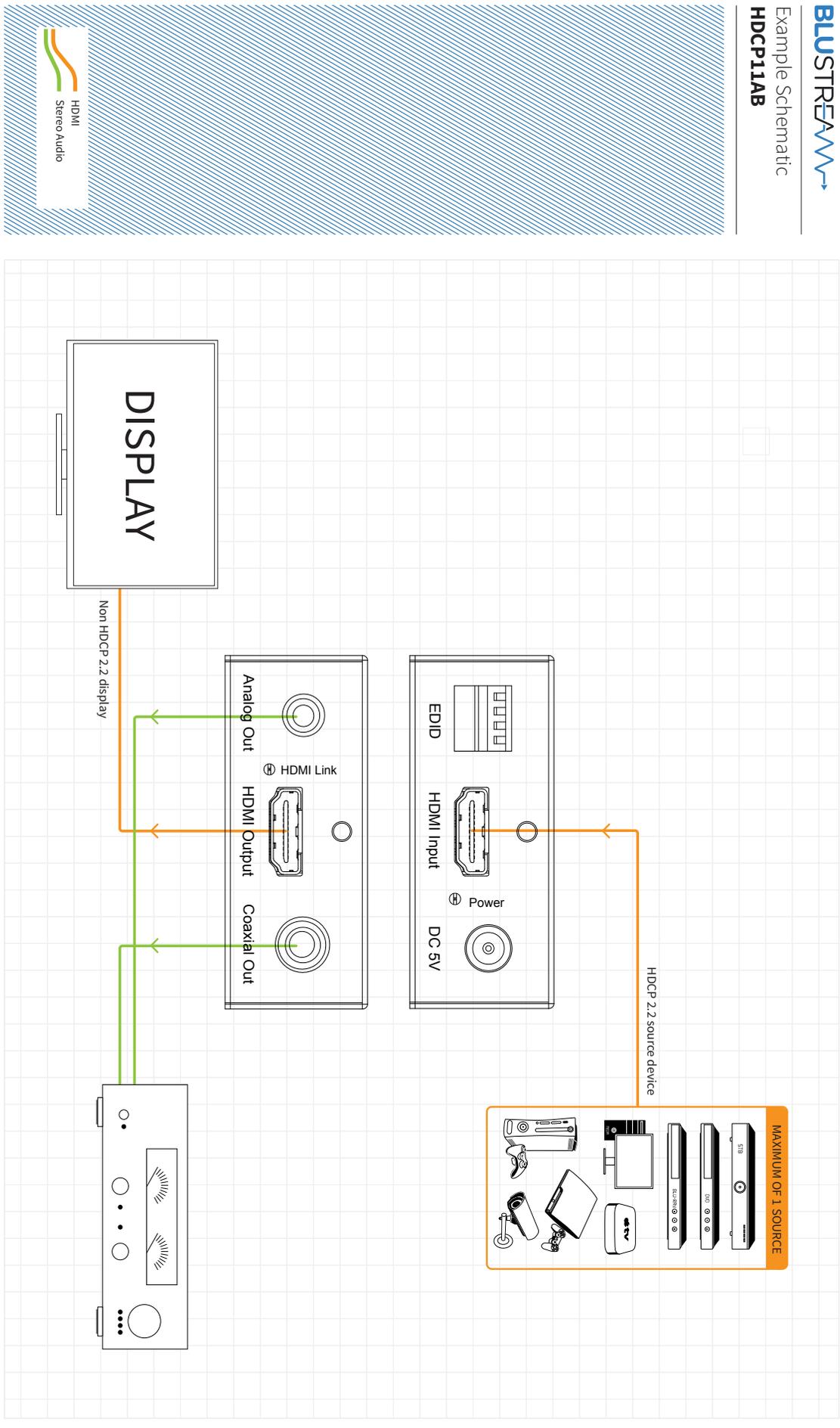
To change the EDID settings move the EDID dip-switches as required on the front panel of the unit. Please see adjacent table for settings.

Note: You must power-cycle the HDCP11AB after changes have been made in order for the EDID settings to update.

3	2	1	0	EDID Type
Combination of DIP positions				
0	0	0	0	Copy EDID from output
0	0	0	1	1080P 2.0CH
0	0	1	0	1080P 5.1CH
0	0	1	1	1080P 7.1CH
0	1	0	0	1080i 2.0CH
0	1	0	1	1080i 5.1CH
0	1	1	0	1080i 7.1CH
0	1	1	1	3D 2.0CH
1	0	0	0	3D 5.1CH
1	0	0	1	3D 7.1CH
1	0	1	0	4K 2.0CH
1	0	1	1	4K 5.1CH
1	1	0	0	4K 7.1CH
1	1	0	1	DVI 1280x1024
1	1	1	0	DVI 1920x1080
1	1	1	1	DVI 1920x1200

BLUSTREAM

Example Schematic
HDCP11AB



Specifications

Video Input Connectors: 1x HDMI Type A, 19-pin, female

Video Output Connectors: 1x HDMI Type A, 19-pin, female

Audio Output Connectors: 1x SPDIF Coaxial digital, 1x 3.5mm stereo analogue audio (L/R)

EDID: 4-PIN DIP Switch

Dimensions (W x D x H): 55mm x 60mm x 23mm, without feet

Shipping Weight: 0.5 KG

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/1A DC

Package Contents:

- 1x HDCP11AB
- 1x 5V/1A DC power supply
- 1x Mounting kit

Maintenance

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



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