▶ HSP14AB
User Manual

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Introduction

Our HSP14AB 4K UHD HDBaseT™ splitter distributes a single HDMI source to four simultaneous HDBaseT™ outputs. It transmits HDMI, Bi-directional IR and PoH (PoE) up to lengths of 70m over a single CAT cable. The 4-way splitter also features audio breakout and EDID management.

FEATURES:

- Features 1x HDMI input that is replicated to 4x HDBaseT™ outputs

- Extends HDMI up to distance of 70m over single CAT cable

- Supports 4K UHD video (3840 x 2160 @30Hz 4:4:4, 4096 x 2160 @24Hz 4:4:4, and 4K @60Hz 4:2:0)

- Supports all industry standard video resolutions including VGA-WUXGA and 480i-4K

- Supports 3D signal display

- Supports all known HDMI audio formats including Dolby TrueHD, Dolby Atmos, Dolby Digital Plus and DTS-HD Master Audio transmission

- HDMI audio input de-embedded to both analogue L/R audio and Coaxial digital outputs concurrently

- Supports PoH (Power over HDBaseT™) to power compatible HDBaseT™ receivers

- HDCP compliant

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.
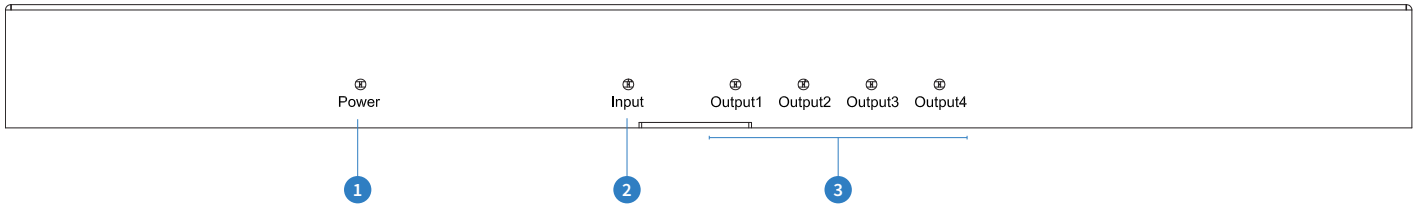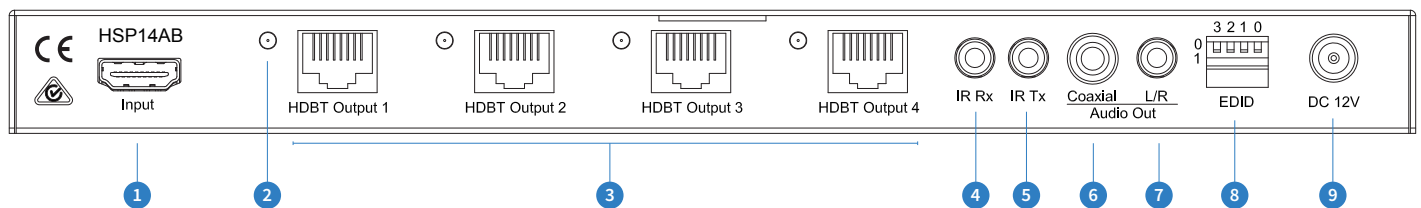
Surge protection device recommended

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.

Front Panel

Power   Input   Output1 Output2 Output3 Output4

① ② ③

① Power LED indicator –Indicates the status of the power for the unit.

② Input LED indicator –Indicates if a source is attached and is active.

③ Output LED indicator – Indicates if a HDBT receiver is attached and an active link is available on the output.

Back Panel

CE HSP14AB Input HDBT Output 1 HDBT Output 2 HDBT Output 3 HDBT Output 4 IR Rx IR Tx Coaxial L/R Audio Out EDID DC 12V

3 2 1 0

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

① HDMI input – Connect HDMI source.

② HDBT output LED indicator – Indicate the status of the HDBT output.

③ HDBT outputs 1 to 4 – Connect to HDBT receivers for display output.

④ IR RX – 3.5mm stereo phone-jack, connect to IR sensor cable.

⑤ IR TX – 3.5mm mono phone-jack, connect to IR transmitter cable to output IR from remote areas.

⑥ Coaxial audio out – RCA connector, extracted audio from HDMI input (PCM only).

⑦ L/R audio out – 3.5mm stereo phone-jack, extracted audio from HDMI input, will mute if multichannel audio is being used. (PCM stereo only)

⑧ DIP switcher – EDID management.

⑨ Power port – Use included 12V/5A DC adaptor to power the unit.

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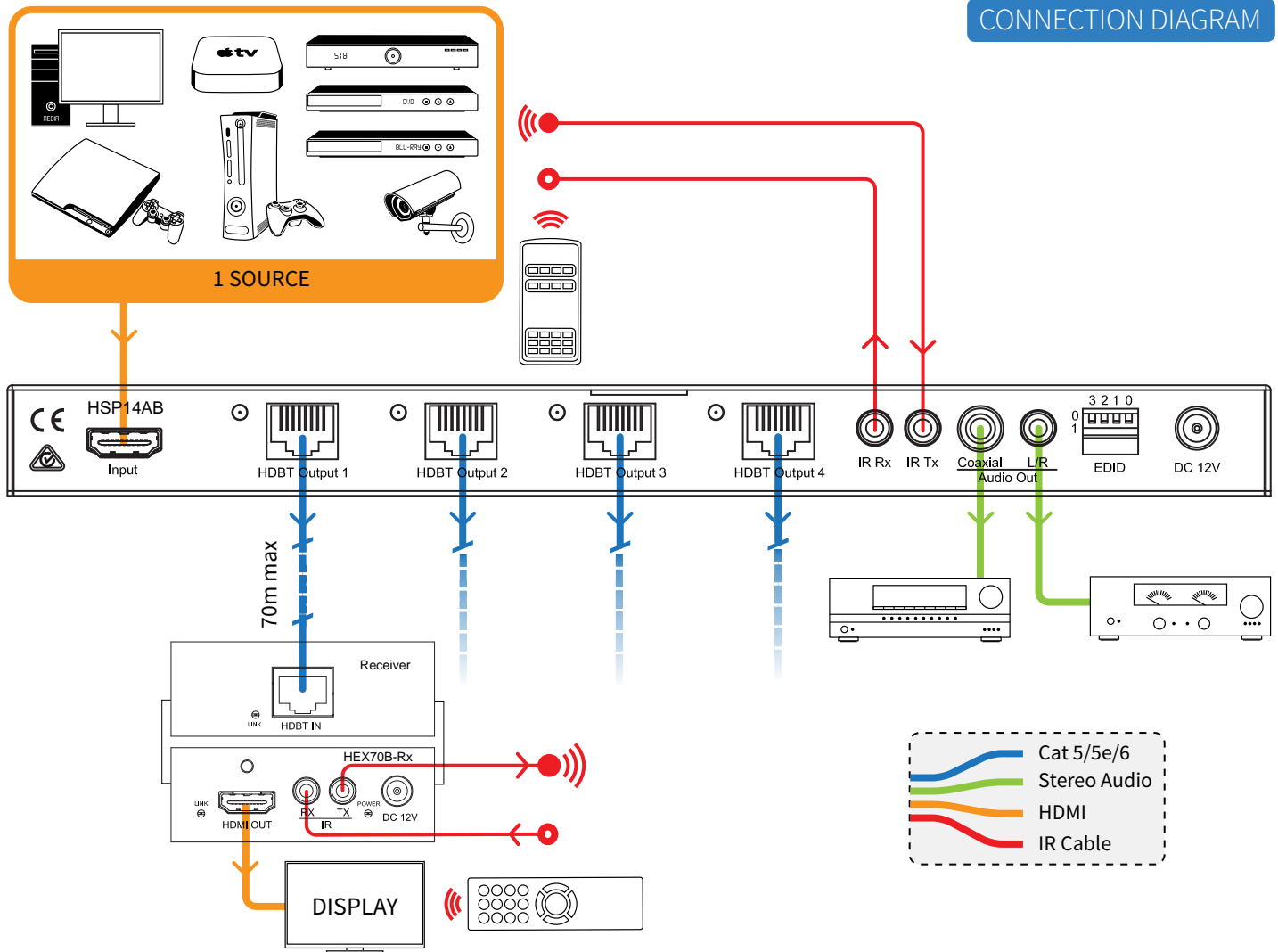
While the objective of EDID is to make connecting a digital display to a source a simple plug and play procedure issues do arise when multiple displays or video matrix switching is introduced because of the increased number of variables.

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.

3	2	1	0	
Combination of DIP positions				EDID TYPE
0	0	0	0	Copy EDID from output1
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

Specifications

- Video Input Connectors: 1x HDMI Type A, 19-pin, female
- Video Output Connectors: 4x HDBaseT™ RJ45
- Audio Output Connectors: 1x RCA (SPDIF), 1x 3.5mm stereo jack (L/R)
- EDID: 4-pin DIP switch
- IR Input Ports: 1x 3.5mm stereo jack
- IR Output Ports: 1x 3.5mm mono jack
- Mounting kit included
- Dimensions (WxDxH): 262x145x22mm, without feet
- Shipping Weight: 0.8kg
- 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: 12V/5A DC, locking type connector
- Compatible with (HDBaseT™ receivers): HEX70B-RX, or RX70AMP

NOTE: *Specifications are subject to change without notice.*

Weight and dimensions are approximate.

Package Contents:

- 1 x HSP14AB
- 1 x 12V/5A DC power supply
- 1 x IR emitter
- 1 x IR receiver
- 1 x Mounting kit
- 1 x User manual

Maintenance

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