Power   Input   Output1 Output2 Output3 Output4

HDP14AB
User Manual

BLUSTREAM

Introduction

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.
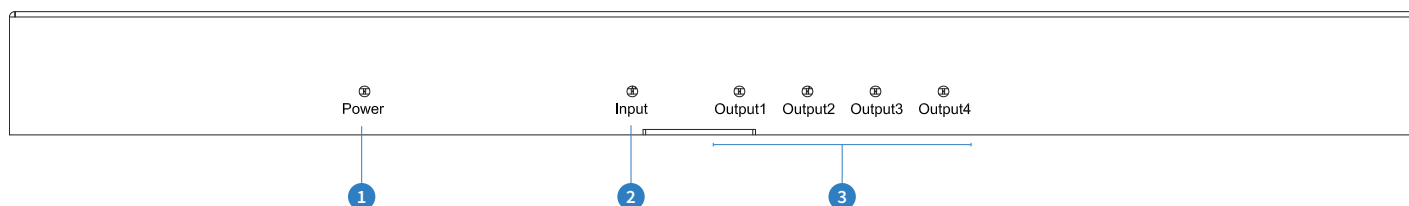
The HDP14AB HDBaseT (HDBT) 1×4 distribution amplifier is designed to split and distribute a single DVI or HDMI audio/video source to up to four displays located up to 70 metres away from the source. The HDP14AB also supports 1080p Full HD and 4K@30Hz UHD as well as all 3D formats. In conjunction with the video it also supports multi-channel digital audio formats such as Dolby® True HD and DTS-HD® Master Audio™ pass through. The embedded audio extractor can also extract the audio from the HDMI input and output it via L/R analogue audio and Coaxial digital (PCM only). Based on HDBT Lite chipset inside, the output distance can reach up to 70m via Cat5e/Cat6 at 1080P or less at 4K 30Hz.

FEATURES:

- Supports resolutions up to 1080p@60Hz, 4K@30Hz, 36-bit deep colour
- Splits an HDMI source to 4 outputs without loss
- HDBT Lite chipset inside for the output distance up to 70m for 1080P, 40m for 4K
- Power the remote receivers from the HDP14AB with POH, no power supply needed for the receivers
- Extract the audio from HDMI source via analog and digital outputs (PCM only)
- Dolby TrueHD and DTS-HD master audio pass through
- Advanced EDID management for rapid integration of sources and displays
- Panel display for status feedback
- LEDs for power-on and outputs indication
- Easy installation with rack-mounting ears
- Bi-directional IR supported
- Small compact size
- Full 3D pass- through
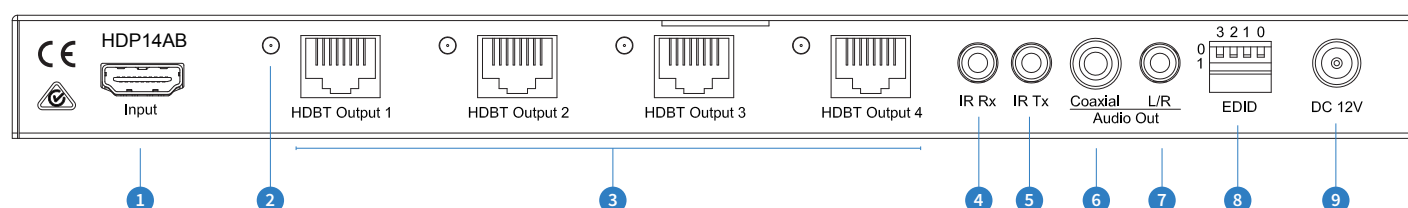- HDCP compliant

Front Panel

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

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.

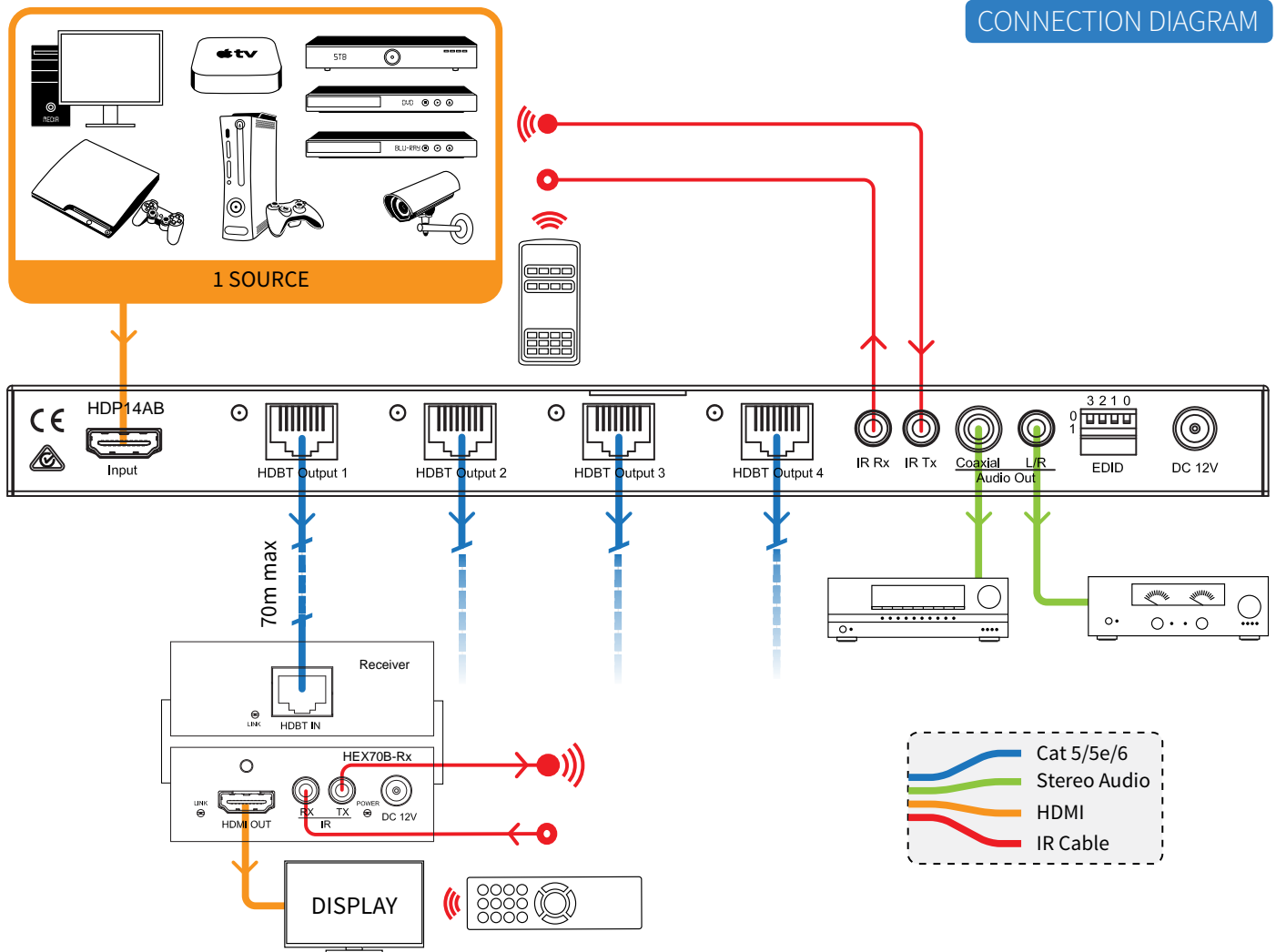⑨ Power port – Use included 12V/5A DC adaptor to power the unit.

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 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

Rack-Mountable: Rack ears included

Dimensions (W x D x H): 262mm x 145mm x 22mm , 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

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

Weight and dimensions are approximate.

contact support@blustream.co.uk / support@blustream.com.au

Package Contents:

- 1x HDP14AB
- 1x 12V/5A DC power supply
- 1x IR Transmitter cable
- 1x IR Receiver cable
- 1x mounting kit
- 1x manual

Maintenance

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