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Audio Accessories

VIDEO OVER IP

CUTTING EDGE AV OVER IP TECHNOLOGY





With our OneIP Transceiver, you get a true dual functionality device.

Unlike other transceivers on the market, OneIP can receive and transmit HDMI® sources at the same time, whilst still utilising a more cost effective, simpler to install, IGbE infrastructure. Unlock the full potential of your setup with support for the latest HDMI 2.0 18Gbps specification. Enjoy pristine 4K@60Hz 4:4:4, ensuring every detail is displayed with breath-taking clarity whilst maximising interoperability with video scaling for seamless integration with any display.



18GBPS HDMI® 2.0



IGBE NETWORKING



FULL DUPLEX TRANSCEIVER



5 YEAR WARRANTY



VIDEO OVER IP



VIDEO OVER IP REDEFINED





VIDEO OVER IP TRANSCEIVER

P8-ONEIP-1G-4K-TZ

Our full-duplex transceiver enables both transmit and receive functions simultaneously. Coupled with the PurePlay receiver and transmitter products, the integrator has ultimate choice in system design.

KEY FEATURES

- Full duplex transceiver
- HDMI 2.0 18Gbps specification
- Utilises 1Gb managed ethernet network
- Supports 10 & 12-bit HDR sources
- Visually lossless compression
- Ultra-low latency
- Source video scaling (up or down scaling)
- Supports all digital HDMI audio formats

HDBaseT

18Gbps MATRIX SOLUTIONS



DESIGNED TO
MEET ALL YOUR
VIDEO AND
AUDIO NEEDS

The neo:X+ and neo:XSR represent the flagship of Pulse-Eight video distribution product. Each matrix supports 18Gbps HDMI® 2.0 resolutions up to and including 4K@60Hz 4:4:4 and we use HDBaseT's officially supported DSC technology to achieve remarkable picture quality.

With support for Dolby audio downmixing and ARC (audio return channel) amongst a host of other audio manipulation features. It all comes together to make the neo:X range a truly flexible and powerful partner in AV projects.





4K@60HZ 4:4:4



HDBaseT DIAGNOSTICS



CLOUD MONITORING



5 YEAR WARRANTY



4K MATRIX SOLUTIONS

NEO:X+ 4K VIDEO MATRIX & PROAMP8

CONCEPT WIRING GUIDE

8X10 VIDEO MATRIX

P8-HDBT-L-FFMN810A







2 HDMI®

OUTPUTS





10 AUDIO

OUT ZONES



EXTEND 4K

UP TO 100M

neox

8X10 VIDEO & AUDIO MATRIX

P8-HDBT2-U-FFMJ1210

Our 18Gbps, 4K@60Hz 4:4:4, 8x10 Video Matrix with a full, integrated audio matrix.

The neo:X+ goes the distance, extend video up to 100 meters (330 feet). With audio breakout, Dolby Digital compliance and multiple video control methods.



- Supports 4K@60Hz 4:4:4 UHD video

CHOBT

- Extend full 4K up to 100m
- Full, integrated audio matrix control
- HDBaseT diagnostics built-in
- CEC, IR or Web Remote Control
- Cloud monitoring

- ARC (audio return channel)

6X6 VIDEO & AUDIO MATRIX

The neo:XSR Video & Audio Matrix has it all - with multiple video inputs and both video and audio outputs. Featuring 6 HDMI® inputs, 4 HDBaseT outputs and 2 HDMI® outputs alongside 6 audio output

zones (with the options of Optical and

- DSC visually lossless compression
- 5 Year warranty

P8-HDBT2-L-FFMJ66

Digital Coax).







- Supports 4K@60Hz 4:4:4 UHD video

















KEY FEATURES

- 6 audio breakouts



- Extend full 4K up to 100m







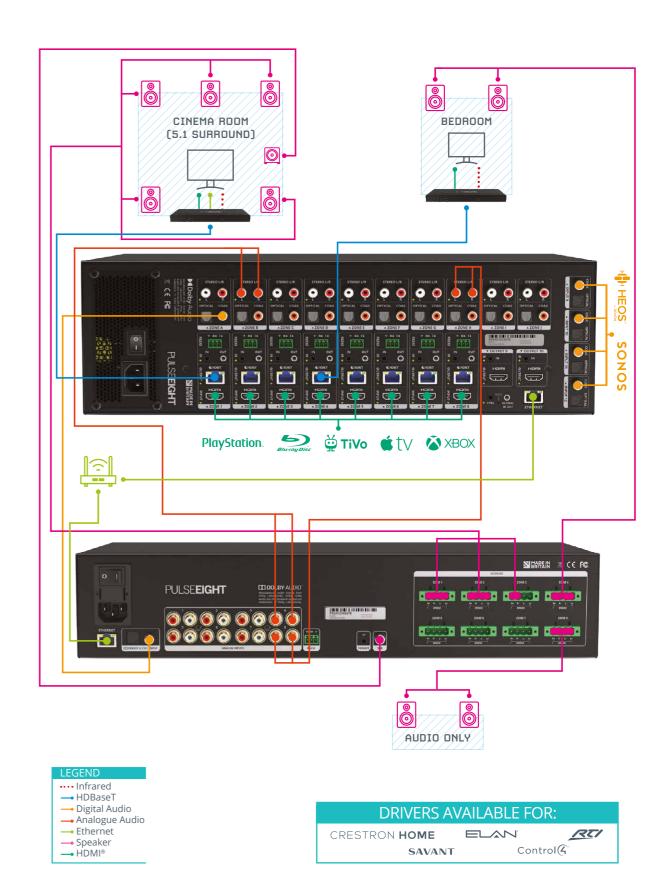








- CEC, IR or Web Remote Control - Cloud monitoring
- ARC (audio return channel)
- DSC visually lossless compression
- 5 Year warranty



H D B a s e T

MATRIX SOLUTIONS



SIMPLE YET
SOPHISTICATED
VIDEO MATRIX
SOLUTIONS

The award winning neo HDBaseT matrix range is the perfect blend of simplicity and sophistication, created by our passionate in-house engineering and production team for the sole purpose of seamlessly distributing video.

Designed with a core set of features to cover the majority of projects, the neo range represents unprecedented value. We recognise what's important to integrators, therefore we made sure our HDBaseT diagnostics and cloud monitoring are still included as standard.

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4K@60HZ 4:2:0



HDBaseT DIAGNOSTICS



CLOUD MONITORING



5 YEAR WARRANTY



MATRIX SOLUTIONS





INPUTS



OUTPUTS



BREAKOUTS







EXTEND 4K



UP TO 40M

KEY FEATURES

- Supports 4K@60Hz 4:2:0 video
- Extend 4K up to 40m
- Extend 1080p up to 70m
- Source Audio Breakouts
- HDBaseT diagnostics built-in
- CEC, IR or Web Remote Control

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8X10 VIDEO MATRIX

P8-HDBT-L-FFMN810A

The neo:8a is our flagship 4K 4:2:0 fixed format 8x10 HDBaseT matrix with added audio breakout.

The neo:8a can extend 4K up to 40 metres and 1080p up to 70 metres.

- Cloud monitoring
- 5 Year warranty







BREAKOUTS





- Source Audio Breakouts

- HDBaseT diagnostics built-in

- CEC, IR or Web Remote Control

UP TO 70M



EXTEND 4K UP TO 40M

KEY FEATURES

- Supports 4K@60Hz 4:2:0 video
- Extend 4K up to 40m
- Extend 1080p up to 70m

UGO:

6X8 VIDEO MATRIX

P8-HDBT-L-FFMN68A

The neo:6a is our 6x8 matrix supporting 4K 4:2:0 with added HDMI audio breakout

The neo:8a can extend 4K up to 40 metres and 1080p up to 70 metres.

- Cloud monitoring
- 5 Year warranty





4 HDMI®

INPUTS

KEY FEATURES

- Extend 4K up to 40m

- Extend 1080p up to 70m





2 HDMI®

OUTPUTS





- Mirror HDMI outputs

- HDBaseT diagnostics built-in

- CEC, IR or Web Remote Control



EXTEND 4K UP TO 70M UP TO 40M

4X4 VIDEO MATRIX

UG0

P8-HDBT-L-FFMS44-22

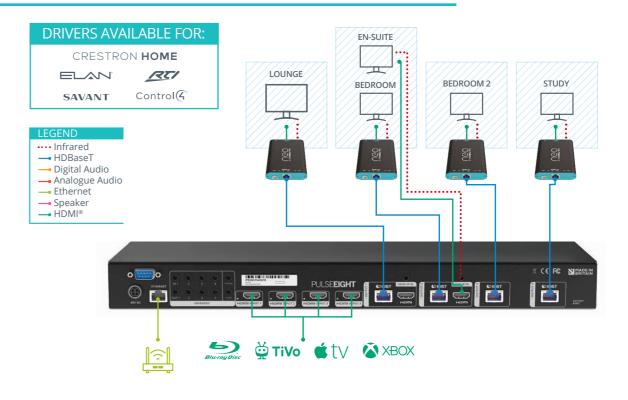
The neo:4 is our flagship 4x4 HDBaseT matrix with additional 2 mirrored HDMI ports.

- Cloud monitoring
- 5 Year warranty

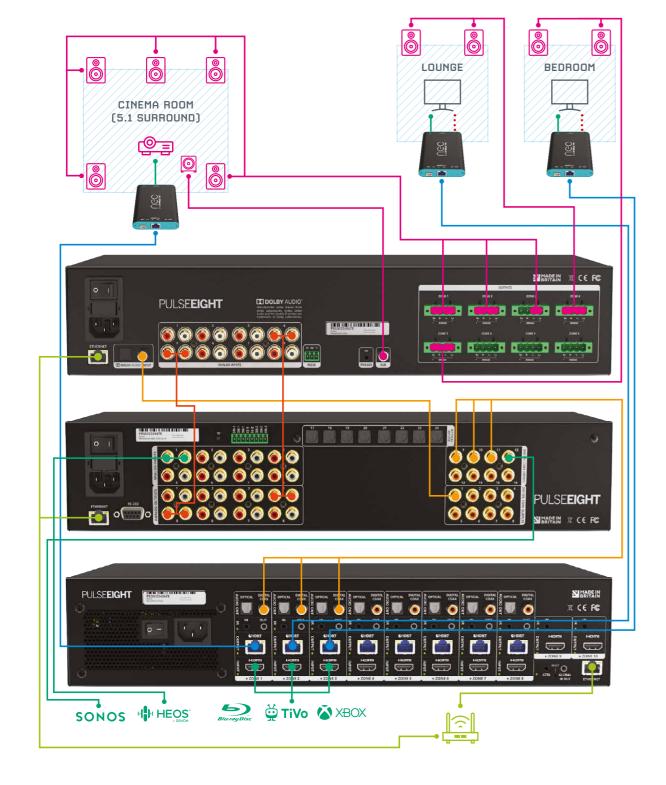
NEO:4 VIDEO MATRIX

- Supports 4K@60Hz 4:2:0 video

CONCEPT WIRING GUIDE



CONCEPT WIRING GUIDE



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LEGEND ... Infrared → HDBaseT → Digital Audio → Analogue Audio → Ethernet → Speaker

— HDMI®

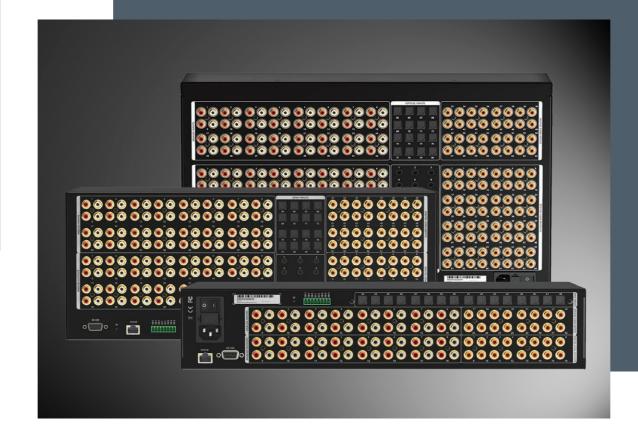
DRIVERS AVAILABLE FOR:						
CRESTRON HOME		RTI				
SAVANT	Control (4	ı e				

COMPARISON CHART

Product		neoX+	neo:XSR	neo:8a	neo:6a	neo:4			
SKU		P8-HDBT2-U-FFMJ1210	P8-HDBT2-U-FFMJ66	P8-HDBT-L-FFMN810	P8-HDBT-L-FFMN68	P8-HDBT-L-FFMS44-22			
Port Con	nections								
HDMI Inp	outs	8	6	8	6	4			
Audio Inputs		4	-	-	-	-			
HDBaseT	Outputs	8	4	8	6	4			
HDMI Outputs		2	2	2	2	2 (mirrored)			
Audio Ou	itputs	10	6	8	6	-			
Video Re	solutions	*D	enotes products that use	e Display Stream Compre	ession (DSC) to compress	5 4K@60Hz 4:4:4 signals			
4K@60Hz	z 4:4:4	•*	•*						
4K@60Hz 4:2:2		•*	•*						
4K@60Hz 4:2:0		•	•	•	•	•			
4K/HDR 10@60Hz		•*	•*						
4K/HDR 10@24Hz		•	•	•	•	•			
1080p		•	•	•	•	•			
720p		•	•	•	•	•			
HDBaseT	Video Distances								
4K	100 metres	•							
411	40 metres	•	•	•	•	•			
1080p	100 metres	•							
1080þ	70 metres	•	•	•	•	•			
Features									
Ethernet	Pass-through	10/100	-	-	-	-			
IR Control		Bi-directional	Bi-directional	Bi-directional	Bi-directional	Bi-directional			
HDMI-CEC Control		Yes	Yes	Yes	Yes	Yes			
Web Interface		Yes	Yes	Yes	Yes	Yes			
Cloud Monitoring		Yes	Yes	Yes	Yes	Yes			
Automatic EDID		Yes	Yes	Yes	Yes	Yes			
Third Party Control		Yes	Yes	Yes	Yes	Yes			
HDMI ARC (Audio Return Channel)		Yes	Yes	-	-	-			
PoH (Power over HDBaseT)		Yes	Yes	Yes	Yes	Yes			
Maximum Pixel Clock		600Mhz	600Mhz	340Mhz	340Mhz	340Mhz			
Maximum Bandwidth		18Gbps	18Gbps	10.2Gbps	10.2Gbps	10.2Gbps			
Max Power Consumption		2Amps @ 240V							
Power Rating			100-240V 4.0/2.0A 50/60Hz						
Product \	Weight & Dimensio	ns							
Product Weight		4.83kg	3.9kg	3.78kg	3.78kg	1.15kg			
Height		13cm (3U)	8.9cm (2U)	9cm (2U)	9cm (2U)	4.3cm (1U)			
Width		44cm	44cm	44cm	44cm	44cm			
Depth		32cm	32cm	30.5cm	30.5cm	14cm			

DSP AUDIO MATRIX SOLUTIONS







Packed with features such as lip sync delay, 5 band DSP per zone, adjustable gain, zone locking, automatic audio conversion and third party control, our ProAudio range is unrivalled.

ProAudio has been designed for the custom install AV market, in many cases the need for an audio receiver can be eliminated by using the audio features of the ProAudio Series.



FULL DSP



LIP SYNC CONTROL



THIRD PARTY CONTROL



5 YEAR WARRANTY



DSP AUDIO MATRIX



Pro**Audio**3264

DSP AUDIO MATRIX P8-PROAUDIO3264



80 AUDIO

INPUTS





64 AUDIO 24 12V OUTPUTS TRIGGERS

KEY FEATURES

- 32 Stereo L/R Inputs
- 32 Digital Coax Inputs
- 16 Optical Inputs

- 64 Stereo L/R Outputs
- 64 Digital Coax Outputs
- 24 12V Triggers

- 1 Ethernet
- 1 RS232 Serial
- 5 Year warranty



Pro**Audio**3248

DSP AUDIO MATRIX P8-PROAUDIO3248





OUTPUTS



INPUTS

18 12V TRIGGERS

KEY FEATURES

- 32 Stereo L/R Inputs
- 32 Digital Coax Inputs
- 16 Optical Inputs

- 48 Stereo L/R Outputs
- 48 Digital Coax Outputs

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- 18 12V Triggers

- 1 Ethernet
- 1 RS232 Serial
- 5 Year warranty

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KEY FEATURES

- 32 Stereo I /R Inputs
- 32 Digital Coax Inputs
- 16 Optical Inputs

KEY FEATURES

- 8 Optical Inputs

KEY FEATURES

- 8 Optical Inputs

- 16 Stereo L/R Inputs

- 16 Digital Coax Inputs

- 16 Stereo L/R Inputs

- 16 Digital Coax Inputs

- 32 Stereo L/R Outputs

- 32 Stereo L/R Outputs

- 32 Digital Coax Outputs

- 12 12V Triggers

- 32 Digital Coax Outputs
- 12 12V Triggers

Pro**Audio**32

DSP AUDIO MATRIX P8-PROAUDIO32



80 AUDIO

INPUTS





TRIGGERS

32 AUDIO

- 1 Ethernet
- 1 RS232 Serial
- 5 Year warranty



Pro**Audio**1632

DSP AUDIO MATRIX P8-PROAUDIO1632







40 AUDIO

32 AUDIO

TRIGGERS

- -1 Ethernet - 1 RS232 Serial
- 5 Year warranty

Pro**Audio**16RS

DSP AUDIO MATRIX P8-PROAUDIO16RS









48 AUDIO INPUTS

32 AUDIO OUTPUTS

8 REMOTE SOURCE INPUTS

- 1 Ethernet

- -1 RS232 Serial
- 5 Year warranty

- 8 CAT5e (Remote Source) Inputs

- 32 Stereo L/R Outputs

- 32 Digital Coax Outputs

DSP AUDIO MATRIX



Pro**Audio**16

DSP AUDIO MATRIX P8-PROAUDIO16







48 AUDIO INPUTS

16 AUDIO OUTPUTS

THIRD PARTY CONTROL

KEY FEATURES

- 16 Stereo L/R Inputs
- 16 Digital Coax Inputs
- 16 Optical Inputs

- 16 Stereo L/R Outputs
- 16 Digital Coax Outputs
- 1 Ethernet

- 1 RS232 Serial
- 5 Year warranty

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DSP AUDIO MATRIX

Pro**Audio**8



24 AUDIO INPUTS

P8-PROAUDIO8

THIRD PARTY CONTROL

KEY FEATURES

- 8 Stereo L/R Inputs
- 8 Digital Coax Inputs
- 8 Optical Inputs

- 8 Stereo L/R Outputs
- 8 Digital Coax Outputs

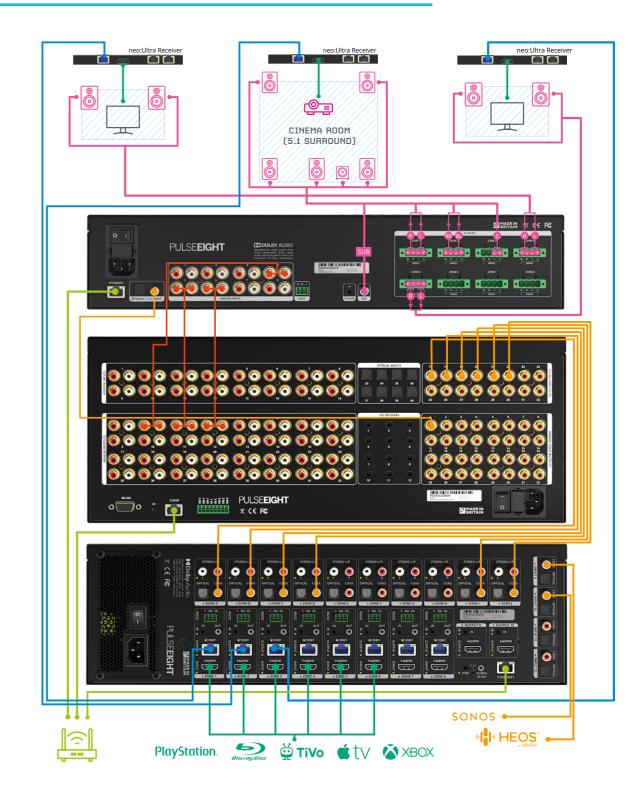
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- 1 Ethernet

- 1 RS232 Serial
- 5 Year warranty

PROAMP8, PROAUDIO1632 & NEO:X+ VIDEO MATRIX

CONCEPT WIRING GUIDE



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- ···· Infrared
- → HDBaseT → Digital Audio
- → Analogue Audio
- Ethernet → Speaker
- HDMI®

DRIVERS AVAILABLE FOR: @ CRESTRON. REI Control (4) SAVANT

PROAMP AMPLIFIER



ALL IN ONE SOLUTION FOR **AMPLIFICATION**



P8-PROAMP8

















Pulse-Eight's ProAmp8 is a powerful and versatile 8-Zone Power Amplifier that offers a wide range of features, such as; full audio DSP and EQ settings, Multi-Zone Mode and Dolby Digital Surround Sound Modes. The ProAmp8 is the perfect partner to Pulse-Eight's ProAudio range and our latest neo:X matrices.

KEY FEATURES

- 100 watts per channel
- 8 Stereo (L/R) analogue inputs
- 1 digital input with Dolby support
- 8 Stereo phoenix connector outputs
- Bridgeable output zones

- Full Dolby Zone DSP and Equaliser (EQ) control
- Fault detection and system reset
- Low-energy consumption
- "Automatic sensing" and 12V Trigger options
- User-friendly WebUI control

HDMI® EXTENDERS





PoH AS STANDARD



LOW PROFILE



3 YEAR WARRANTY

HDMI **EXTENSION** WITH A **DIFFERENCE**

Our neo range of HDMI® over HDBaseT™ extender sets offer the very best in performance and flexibility.

With the aim to keep our HDMI® extension solutions simple, instead of hundreds of variants, we've created simple tiers, each more capable than the last. Features include bi-directional IR, PoH, DSC, CEC, RS232 and ARC, depending on model.

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neo:Ultra

HDMI® EXTENDER SET P8-HDBT2-U-EXSET









EXTEND 1080P UP TO 100M

KEY FEATURES

- Supports 4K@60Hz 4:4:4
- Extend 4K and 1080p up to 100m
- An ultra thin 13mm depth enclosure
- Wall Mountable
- ARC (Audio Return Channel)
- Bi-Directional Infra-Red
- Ethernet 10/100 Connection
- Serial RS232 via 3.5mm
- HDCP 2.2 Compliant



neo:Pro

HDMI® EXTENDER SET













KEY FEATURES

- Supports 4K@60Hz 4:2:0
- Extend 4K to 70m and 1080p to 100m
- An ultra thin 13mm depth enclosure
- Wall Mountable
- ARC (Audio Return Channel)
- Bi-Directional Infra-Red
- Ethernet 10/100 Connection
- Serial RS232 via 3.5mm
- HDCP 2.2 Compliant



∩eo:lite

HDMI® EXTENDER SET P8-HDBT-L-EXSET









EXTEND 1080P UP TO 70M

KEY FEATURES

- Supports 4K@60Hz 4:2:0
- Extend 4K to 40m
- Extend 1080p to 70m

- Wall Mountable
- Low Power
- Bi-Directional Infra-Red

- PoH Receiver
- HDCP Compliant

HDMI®

SPLITTER SOLUTIONS



PoH AS **STANDARD**



LOW PROFILE



3 YEAR WARRANTY*



Whether you need to split a source device over long distances with HDBaseT, or more locally with HDMI®, Pulse-Eight has a compact range to help.

Our TechTools 1x2 HDMI® splitter with inbuilt downscaler also acts as a HDMI® troubleshooter. Something every integrator should have one of on the van for those occasions HDMI® needs a little bit of help.

*The neo:1x4 Splitters come with 3 year warranty and the Tech Tools has a 1 year warranty.





INPUT



OUTPUTS







UP TO 40M



MONITORING

00· 1-4 HDBaseT™ SPLITTER P8-HDBT-L-SP4

Our neo HDBaseT™ splitter can extend 4K up to 40 meters and 1080p up to 70 metres, with CEC control and IR control.

- PoH (Power over HDBaseT)

- **KEY FEATURES**
- Supports 4K@60Hz 4:2:0
- Extend 4K up to 40m
- Extend 1080p up to 70m
- HDBaseT diagnostics built-in
- Responsive Web Interface

- Cloud monitoring

- Rack mountable

 - 3 Year warranty

1-4 HDMI® SPLITTER

P8-HDMI2-SP4





INPUT

4 HDMI®

OUTPUTS



4:4:4





With one HDMI® source, you can easily distribute to four simultaneous HDMI® outputs plus access to our exclusive Cloud Monitoring Portal.

KEY FEATURES

- Supports 4K@60Hz 4:4:4
- Responsive Web Interface
- Cloud monitoring

- Return IR Control
- CEC Control
- Automatic EDID Management
- Rack mountable

- 3 Year warranty

TECH TOOLS

Our 1-2 Splitter with built-in downscaler

1-2 HDMI® SPLITTER

P8-HDMI2-SP2-DS

simultaneously.





INPUT









that enables the distribution of a single 4K source signal to 2 HDMI® display devices

- Automatic EDID Management

- 1 Year warranty



- Supports 4K@60Hz 4:4:4
- 4K>1080p Downscaler function
- Return IR Control
- Audio Extraction

AUDIO SOLUTIONS

AUDIO SOLUTIONS FOR EVERY REQUIREMENT



Modern day installations require innovative solutions and can often push the envelope of what consumer audio and video devices were designed to do. Working closely with installers, we've developed a range of products that provide simple fixes for better integration of complex audio and video distribution systems.

All our accessories come with 3 years warranty and are designed to work seamlessly alongside our matrices and extenders, but also work standalone if required.

DIGITAL AUDIO OVER CAT5E/6 EXTENDER

P8-AE-CAT-EXSET

Digital audio over extreme distances can be tricky in isolation, our audio extender uses a standard CAT cable to seamlessly transmit S/PDIF (Toslink) audio over 200m.





KEY FEATURES

- Extends audio via a single CAT cable
- Supports coaxial or S/PDIF signals
- Stereo and Multichannel digital audio
- Supports 2ch PCM audio inputs
- 5.1 Compressed audio supported
- Extension length up to 200m
- Compact design
- 3 Year warranty

AUDIO DELAY DEVICE

P8-AD340

The perfect solution to lip sync problem with ~20 millisecond increments from its 16-way selector you can delay the audio from 20-340ms. Delay stereo audio with a simple L/R phono input and output connection.



KEY FEATURES

- The perfect solution to lip sync issues
- 20 millisecond increments from the 16-way selector
- Simple L/R phono input and output connections
- Delay the audio from 20-340ms
- Compact design
- 3 Year warranty

DOLBY® DIGITAL DOWNMIXER DAC (DIGITAL TO ANALOGUE CONVERTER)

P8-DDAC

With our digital to analogue audio converter, audio setups are capable of decoding connected S/PDIF coaxial or TOSLINK optical digital audio sources to standard analogue stereo (L/R) audio.



KEY FEATURES

- Inputs for coaxial and optical
- Ensures a reliable transition from modern digital sources
- Analogue stereo (L/R) output
- Decodes connected S/PDIF coaxial or TOSLINK optical digital audio sources
- Compact design
- 3 Year warranty

HDMI® DOWNMIXER DAC (DIGITAL TO ANALOGUE CONVERTER)

P8-HDMIDAC

The HDMI® DAC video scaler and digital to audio converter (DAC) is designed to be placed between a display and a source device. It adjusts resolution and audio from an incoming HDMI source and scales the output to a level compatible with its display capabilities.



KEY FEATURES

- Supports 4K and 1080p
- In line downmix of Dolby Digital to stereo PCM over HDMI®
- 3.5mm audio breakout
- Downscale 4K/30p > 1080/24p

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- Upscale 1080/24p > 4K/30p,
- Compact design
- 3 Year warranty



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