



AUDIO & VIDEO DISTRIBUTION SOLUTIONS

PRODUCT PORTFOLIO
SPRING/SUMMER 2024



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WHO ARE WE?

We are Pulse-Eight. For over a decade, our goal has been simple: to enhance our customer's experience by creating well designed, well manufactured and reliable products that use the latest innovative technology.

Our team of passionate engineering and manufacturing staff are experts in the technology we choose to work with. Specialists in HDMI®, HDBaseT and AVoverIP, they ensure that all our products have been designed, built and tested to the very best standards.

THE PULSE-EIGHT DIFFERENCE



Made in Britain

We're proud to say that we can not only manufacture the majority of our product in Britain, we can also design it, test it, assemble it and package it. Our hardware and software design teams work on everything from physical electronic design, to the look and feel of our web interface. We even have skill sets in cardboard engineering to make sure our packaging is of the highest quality.



Unique HDBaseT Diagnostics

We believe that our onboard HDBaseT diagnostics are unique to Pulse-Eight. Understanding the infrastructure cabling that is so crucial to HDBaseT product performance can be difficult at times and can require an expensive dedicated test tool.

Where a Pulse-Eight neo or neo:X matrix is equipped with onboard diagnostics, installers can quickly and easily see if there are issues with HDBaseT links and whether those links are performing well. It's saves countless hours of troubleshooting and guess work for Pulse-Eight customers.



Cloud Monitoring Portal

Monitoring.pulse-eight.com

A wide range of Pulse-Eight product connects to our cloud monitoring portal. The portal provides integrators with a one-stop location to find all the information about their installed systems without needing to visit site.

Accessible remotely, a system can be updated, rebooted or have its health checked. Our tech support team have access to even more detailed information, enabling faster and more effective troubleshooting.



Up to 5 years warranty

We back all of our products with a guarantee of up to 5 years that covers all parts and labour should anything go wrong. This warranty gives you the confidence that, should the product develop a fault, we are here to back you up.



CUTTING EDGE AVoverIP TECHNOLOGY

Introducing OnelP from Pulse-Eight. Developed in-house from the ground up, Pulse-Eight has created the next generation of AVoverIP platforms

With OnelP, you get a true dual functionality device. Unlike other transceivers on the market, OnelP can receive and transmit HDMI® sources at the same time. Though still utilising a more cost effective, simpler to install, 1GbE infrastructure. Making use of the award winning intoPIX TicoXS codec, OnelP delivers resolutions up to 4K 60Hz 4:4:4 at ultra-low latency in stunning image quality.



18GBPS
HDMI® 2.0



1GBE
NETWORKING



TRUE
TRANSCEIVER



REMOTE
MONITORING



POE+
POWERED



one IP
BY PULSEEIGHT



TECHNICAL SPECIFICATIONS

SKU: P8-ONEIP-1GBE-4K-TZ

HDMI® Inputs: 1x HDMI® 2.0

Network Connectivity: 2x 1GbE RJ45 (1x PoE+ Capable)

HDMI® Outputs: 1x HDMI® 2.0

Audio Outputs: 1x Digital Optical Audio Extraction

Recommended Cable: Cat5e or higher

IR Control: Bidirectional

Web Interface: Yes

Monitoring: Remote Monitoring Portal

Third Party Control: Yes – Drivers available

Compression Method: IntoPix TicoXS (Jpeg XS)

PoE: Yes – PoE+

Encryption: HDCP 1.4, HDCP 2.2 and HDCP 2.3

Maximum Pixel Clock: 600Mhz

Maximum Bandwidth: 18Gbps

Maximum Video Resolution: 4K@60Hz 4:4:4 8Bit

Power Consumption: Max 30W @ 48vDC on PoE+

Power Input: PoE+ or optional DC power supply

Material: Powder Coated Aluminium

Product Dimensions: 25 x 15.5 x 3 cm (inc. mounting wings)

Product Weight: 0.55Kg

Operating Temp Range: 0 to +35°C (32 to +95°F)

Storage Temp Range: -20°C to 60°C (-4°F to 140°F)

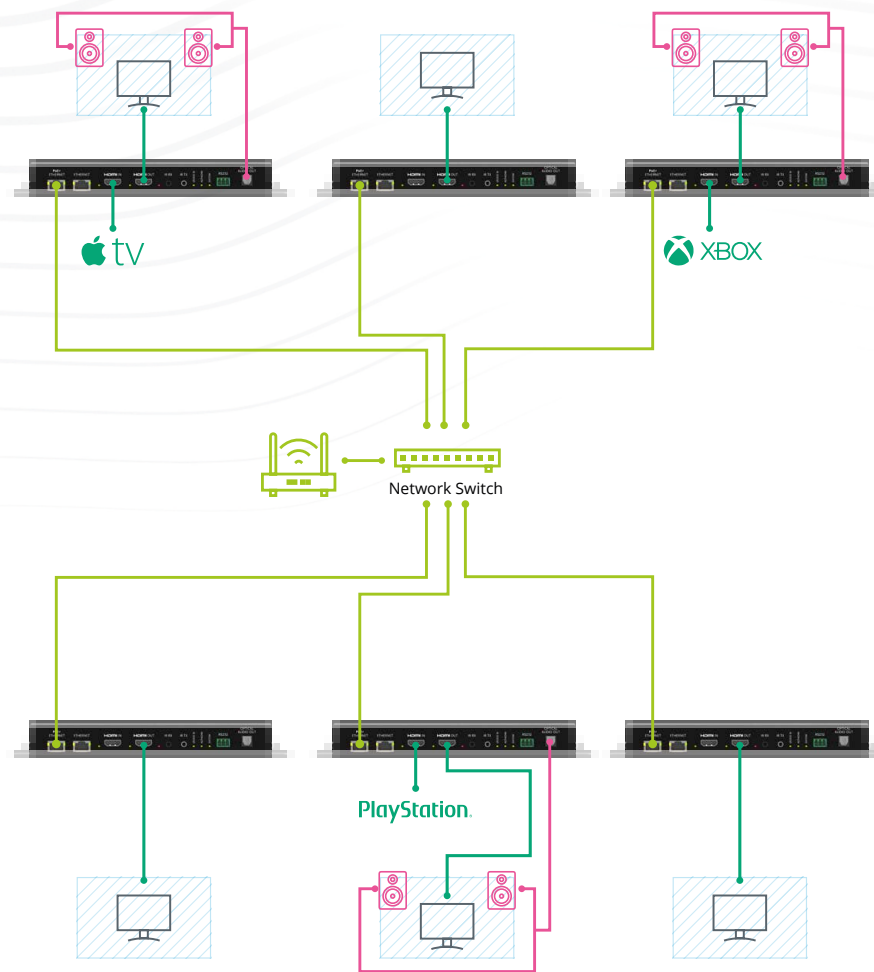
Humidity Range: 5 to 90% RH (No condensation)

Safety & Emissions: UKCA, CE, FCC, RoHS

Manufactured In: Great Britain by Pulse-Eight



CONCEPT WIRING DIAGRAM: OneIP



LEGEND

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



FEATURE RICH VIDEO & AUDIO MATRIX SOLUTIONS

The neo:X range offers premium features at a value price point. Designed to make sure we meet all your video and audio needs.

The neo:X+, neo:XSR and neo:XMR 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.

Support for Dolby audio downmixing is available on the neo:X+ and all the models in the range feature 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



neoX+

8X8+2 VIDEO & AUDIO MATRIX



4K 60Hz
4:4:4



EXTEND 4K
UP TO 100M



HDBASET
DIAGNOSTICS



CLOUD
MONITORING



8 HDMI®
INPUTS



8 HDBASET
OUTPUTS



2 HDMI®
OUTPUTS



10 AUDIO
OUT ZONES

TECHNICAL SPECIFICATIONS

SKU: P8-HDBT2-U-FFMJ1210-KIT

HDMI® Inputs: 8x HDMI® 2.0

Dedicated Audio Inputs: 4

HDBaseT Outputs: 8x HDBaseT Class C+DSC (Ultra)

HDMI® Outputs: 2x HDMI® 2.0

Audio Output Zones: 10 with Dolby Digital Downmix

HDBaseT Recommended Cable: Cat5e or higher

Ethernet Passthrough: Yes - 10/100

IR Control: Bidirectional

HDMI-CEC Control: Yes - Full

Voice Control: Yes - Alexa Skill

Web Interface: Yes + Android App available

Monitoring: Remote Monitoring Portal

Automatic EDID Management: Yes

Third Party Control: Yes - Drivers available

HDMI® ARC (Audio Return Channel): Yes

DSC (Display Stream Compression): Yes

PoH: Yes

Encryption: HDCP 1.4, HDCP 2.2 and HDCP 2.3

Maximum Pixel Clock: 600Mhz

Maximum Bandwidth: 18Gbps

Maximum Video Resolution: 4K@60Hz 4:4:4 8bit

Power Consumption: Max 2Amps @ 240V

Power Input: IEC C14 Socket

Power Rating: 100-240V 4.0/2.0A 50/60Hz

Material: Brushed Aluminium (Anodised)

Product Dimensions: 44 x 13 x 32 cm - 3U (Matrix)

Product Weight: 4.83 kg (Matrix)

Operating Temp Range: 0 to +35°C (32 to +95°F)

Storage Temp Range: -20°C to 60°C (-4°F to 140°F)

Humidity Range: 5 to 90% RH (No condensation)

Safety & Emissions: UKCA, CE, FCC, RoHS

Manufactured In: Great Britain by Pulse-Eight

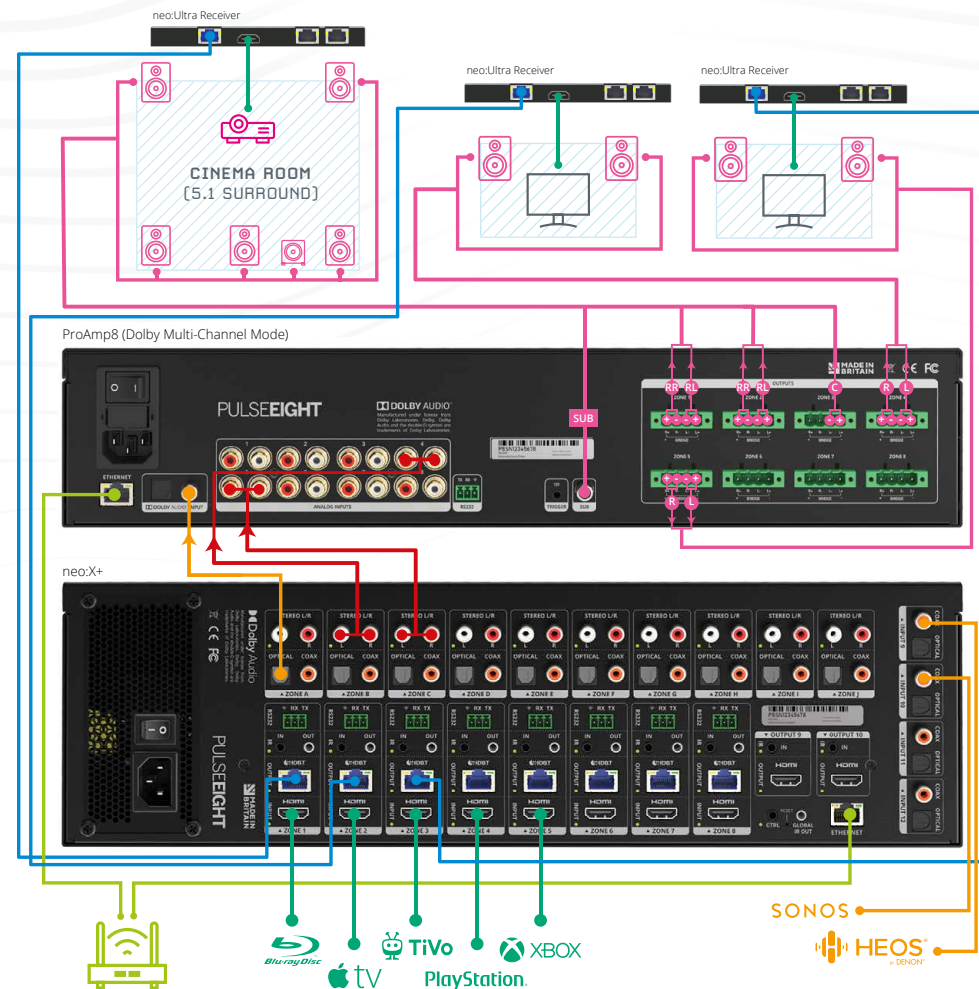
KIT INCLUDES

neoX+ Chassis | Rack Ears | 8x neoUltra PoH Receivers
8x Receiver Wall Brackets | 1x Infrared Blaster Cable Pack
1x 8 Button IR Remote | 8x Phoenix Connector
Country Specific Power Cord | Quick Start Guide

Dolby HDMI HDBaseT² HDCP²³ HLG



CONCEPT WIRING DIAGRAM: neoX+ and ProAmp8



LEGEND

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



DRIVERS AVAILABLE FOR:

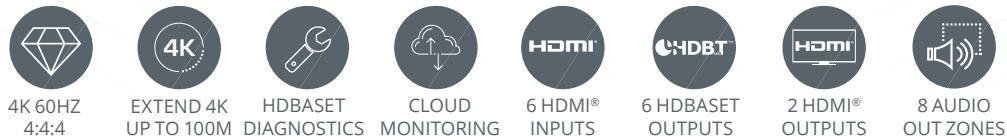
CRESTRON HOME
SAVANT

ELAN
Control4



neoX^{MR}

6X6+2 VIDEO & AUDIO MATRIX KIT



TECHNICAL SPECIFICATIONS

SKU: P8-HDBT2-U-FFMJ108
HDMI® Inputs: 6x HDMI® 2.0
Dedicated Audio Inputs: 4
HDBaseT Outputs: 6x HDBaseT 2.0+DSC (Max Range)
HDMI® Outputs: 2x HDMI® 2.0
Audio Output Zones: 8x Audio Breakout
HDBaseT Recommended Cable: Cat5e or higher
Ethernet Passthrough: No
IR Control: Bidirectional
HDMI-CEC Control: Yes - Full
Voice Control: Yes - Alexa Skill
Web Interface: Yes + Android App available
Monitoring: Remote Monitoring Portal
Automatic EDID Management: Yes
Third Party Control: Yes - Drivers available
HDMI® ARC (Audio Return Channel): Yes
DSC (Display Stream Compression): Yes
PoH: Yes
Encryption: HDCP 1.4, HDCP 2.2 and HDCP 2.3
Maximum Pixel Clock: 600Mhz

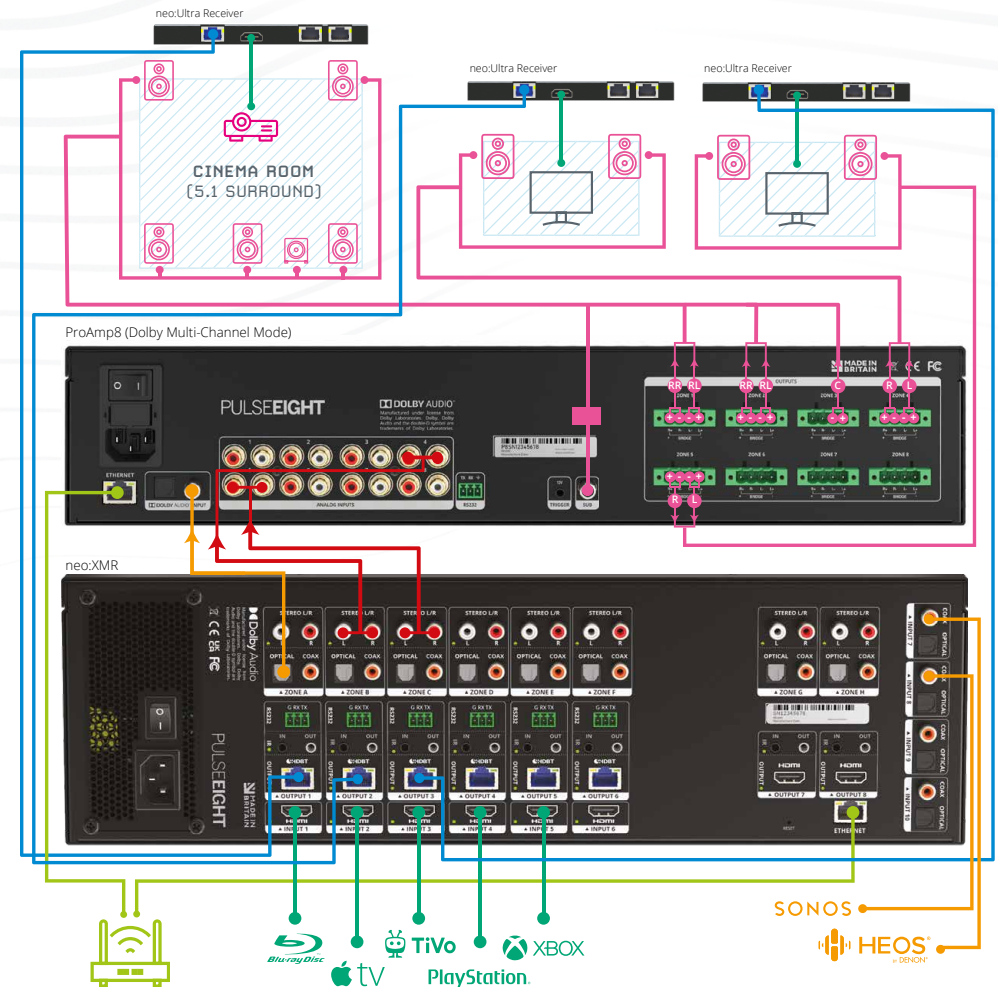
Maximum Bandwidth: 18Gbps
Maximum Video Resolution: 4K@60Hz 4:4:4 8bit
Power Consumption: Max 2Amps @ 240V
Power Input: IEC C14 Socket
Power Rating: 100-240V 4.0/2.0A 50/60Hz
Material: Brushed Aluminium (Anodised)
Product Dimensions: 44 x 8.9 x 32 cm - 2U (Matrix)
Product Weight: 4.75 kg (Matrix)
Operating Temp Range: 0 to +35°C (32 to +95°F)
Storage Temp Range: -20°C to 60°C (-4°F to 140°F)
Humidity Range: 5 to 90% RH (No condensation)
Safety & Emissions: UKCA, CE, FCC, RoHS
Manufactured In: Great Britain by Pulse-Eight

KIT INCLUDES

neo:XMR Chassis | Rack Ears
 6x neo:Ultra PoH Receivers
 4x Receiver Wall Brackets | 1x Infrared Blaster Cable Pack
 Country Specific Power Cord | Quick Start Guide



CONCEPT WIRING DIAGRAM: neo:XMR and ProAmp8



LEGEND

- ... Infrared
- HDBaseT
- Digital Audio
- Analogue Audio
- Ethernet
- Speaker
- HDMI®



DRIVERS AVAILABLE FOR:

CRESTRON HOME
SAVANT

ELAN
Control4



neoX^{SR}

6X4+2 VIDEO & AUDIO MATRIX KIT



4K 60Hz
4:4:4



EXTEND 4K
UP TO 100M



HDBASET
DIAGNOSTICS



CLOUD
MONITORING



6 HDMI®
INPUTS



4 HDBASET
OUTPUTS



2 HDMI®
OUTPUTS



6 AUDIO
OUT ZONES

TECHNICAL SPECIFICATIONS

SKU: P8-HDBT2-U-FFMJ66-KIT

HDMI® Inputs: 6x HDMI® 2.0

HDBaseT Outputs: 4x HDBaseT 2.0+DSC (Short Range)

HDMI® Outputs: 2x HDMI® 2.0

Audio Output Zones: 6x Audio Breakout

HDBaseT Recommended Cable: Cat5e or higher

Ethernet Passthrough: No

IR Control: Bidirectional

HDMI-CEC Control: Yes - Full

Voice Control: Yes - Alexa Skill

Web Interface: Yes + Android App available

Monitoring: Remote Monitoring Portal

Automatic EDID Management: Yes

Third Party Control: Yes - Drivers available

HDMI® ARC (Audio Return Channel): Yes

DSC (Display Stream Compression): Yes

PoH: Yes

Encryption: HDCP 1.4, HDCP 2.2 and HDCP 2.3

Maximum Pixel Clock: 600Mhz

Maximum Bandwidth: 18Gbps

Maximum Video Resolution: 4K@60Hz 4:4:4 8bit

Power Consumption: Max 2Amps @ 240V

Power Input: IEC C14 Socket

Power Rating: 100-240V 4.0/2.0A 50/60Hz

Material: Brushed Aluminium (Anodised)

Product Dimensions: 44 x 8.9 x 32 cm - 2U (Matrix)

Product Weight: 3.9 kg (Matrix)

Operating Temp Range: 0 to +35°C (32 to +95°F)

Storage Temp Range: -20°C to 60°C (-4°F to 140°F)

Humidity Range: 5 to 90% RH (No condensation)

Safety & Emissions: UKCA, CE, FCC, RoHS

Manufactured In: Great Britain by Pulse-Eight

KIT INCLUDES

neo:XSR Chassis | Rack Ears

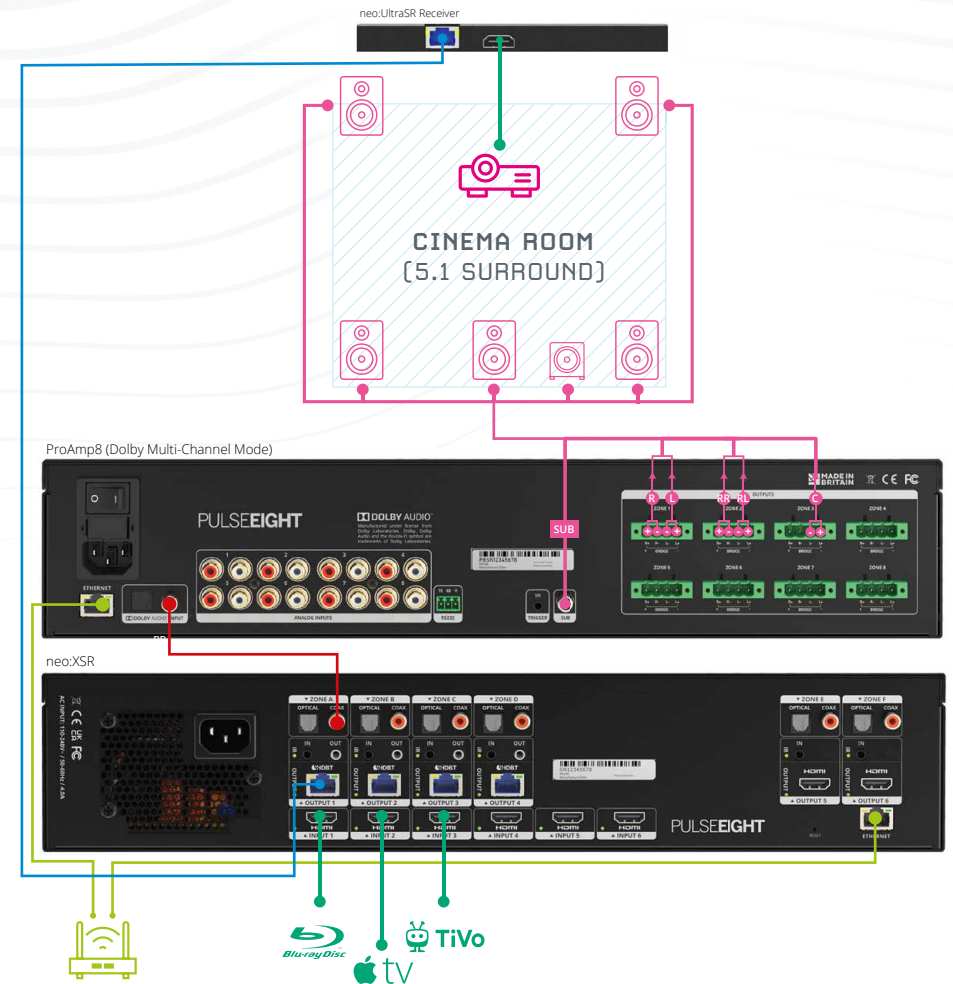
4x neo:UltraSR PoH Receivers

4x Receiver Wall Brackets | 1x Infrared Blaster Cable Pack

Country Specific Power Cord | Quick Start Guide



CONCEPT WIRING DIAGRAM: neo:XSR and ProAmp8



LEGEND

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



DRIVERS AVAILABLE FOR:

CRESTRON HOME
SAVANT

ELAN
Control4



neo

HDBaseT 1.0 VIDEO MATRIX RANGE

SIMPLE YET SOPHISTICATED VIDEO SOLUTIONS

The award winning neo HDBaseT matrix range is the perfect blend of simplicity and sophistication, created by our passionate in-house engineering 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.



4K 60HZ
4:4:0



HDBASET
DIAGNOSTICS



CLOUD
MONITORING



5 YEAR
WARRANTY



neo

8X8+2 VIDEO MATRIX KIT



4K 60Hz
4:2:0



EXTEND 4K
UP TO 40M



HDBASET
DIAGNOSTICS



CLOUD
MONITORING



8 HDMI®
INPUTS



8 HDBASET
OUTPUTS



2 HDMI®
OUTPUTS



8 AUDIO
OUT ZONES

TECHNICAL SPECIFICATIONS

SKU: P8-HDBT-L-FFMN810-KIT

HDMI® Inputs: 8x HDMI®

Audio Outputs: 8x Audio Breakouts

HDBaseT Outputs: 8x HDBaseT Class B (lite)

HDMI® Outputs: 2x HDMI®

HDBaseT Recommended Cable: Cat5e or greater

IR Control: Bidirectional

HDMI-CEC Control: Yes - Full

Voice Control: Yes - Alexa Skill

Web Interface: Yes + Android App available

Monitoring: Remote Monitoring Portal

Automatic EDID Management: Yes

Third Party Control: Yes - Drivers available

PoH: Yes

Encryption: HDCP 1.4, HDCP 2.2 and HDCP 2.3

Maximum Pixel Clock: 340Mhz

Maximum Bandwidth: 10.2Gbps

Maximum Video Resolution: 4K@60Hz 4:2:0 8bit

Colour Supported: 4K: 8bit, 1080p: 12bit

Power Consumption: Max 2Amps @ 240V

Power Input: IEC C14 Socket

Power Rating: 100-240V 4.0/2.0A 50/60Hz

Material: Brushed Aluminium (Anodised)

Product Dimensions: 44 x 9 x 30.5 cm - 2U (Matrix)

Product Weight: 3.78 kg (Matrix)

Operating Temp Range: 0 to +35°C (32 to +95°F)

Storage Temp Range: -20°C to 60°C (-4°F to 140°F)

Humidity Range: 5 to 90% RH (no condensation)

Safety & Emissions: UKCA, CE, FCC, RoHS

Manufactured In: Great Britain by Pulse-Eight

KIT INCLUDES

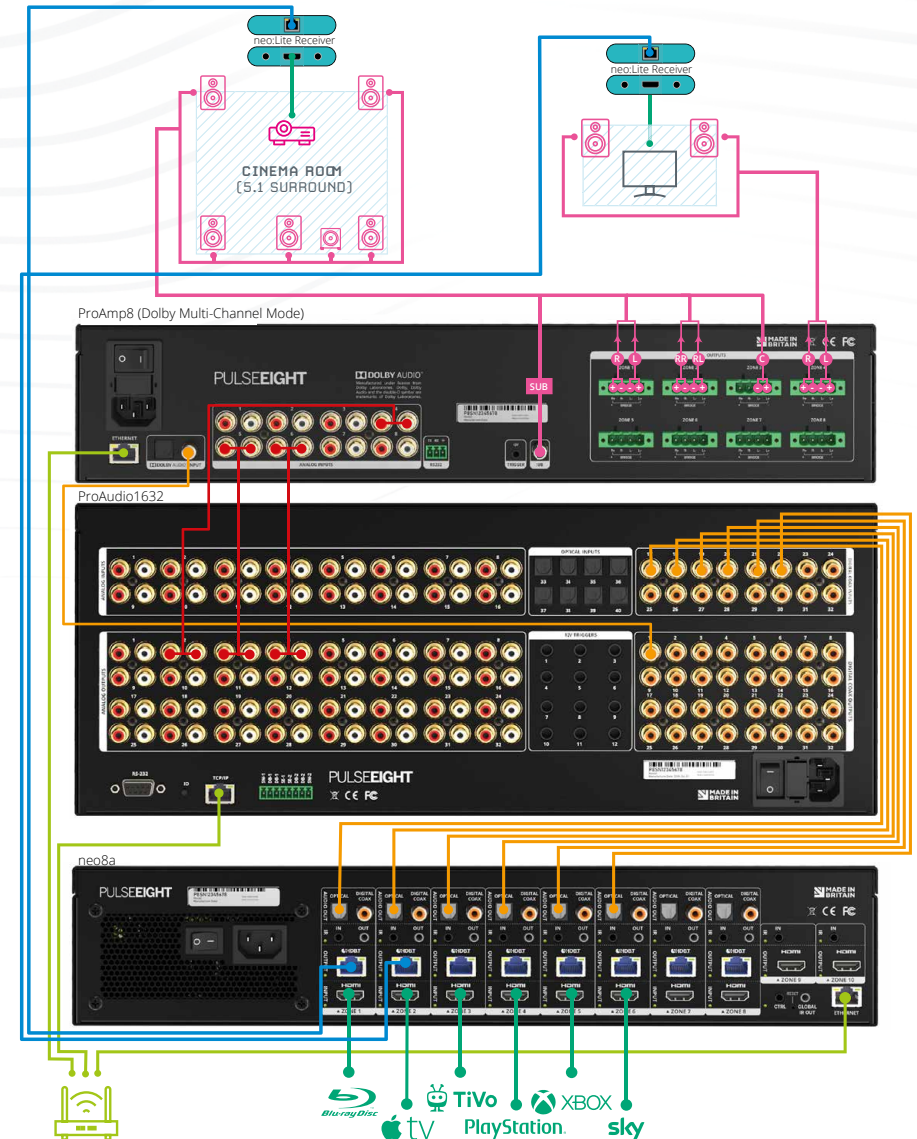
1 x neo:8a Chassis | 8x neo:Lite PoH Receivers

1 x Rack Mounting Kit | 1 x Power Cord

1 x Infrared Blaster Cable Pack | 1 x Quick Start Guide



CONCEPT WIRING DIAGRAM: neo:8a, ProAudio1632, and ProAmp8



LEGEND

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



DRIVERS AVAILABLE FOR:

CRESTRON HOME
SAVANT

ELAN
Control4



HDMI HDBaseT HDCP 2.3



SKU: P8-HDBT-L-FFMN68-KIT

HDMI® Inputs: 6x HDMI®

Audio Outputs: 6x Audio Breakouts

HDBaseT Outputs: 6x HDBaseT Class B (lite)

HDMI® Outputs: 2x HDMI®

HDBaseT Recommended Cable: Cat5e or greater

IR Control: Bidirectional

HDMI-CEC Control: Yes - Full

Voice Control: Yes - Alexa Skill

Web Interface: Yes + Android App available

Monitoring: Remote Monitoring Portal

Automatic EDID Management: Yes

Third Party Control: Yes - Drivers available

PoH: Yes

Encryption: HDCP 1.4, HDCP 2.2 and HDCP 2.3

Maximum Pixel Clock: 340Mhz

Maximum Bandwidth: 10.2Gbps

Maximum Video Resolution: 4K@60Hz 4:2:0 8bit

Colour Supported: 4K: 8bit, 1080p: 12bit
Power Consumption: Max 2Amps @ 240V
Power Input: IEC C14 Socket
Power Rating: 100-240V 4.0/2.0A 50/60Hz
Material: Brushed Aluminium (Anodised)
Product Dimensions: 44 x 9 x 30.5 cm - 2U (Matrix)
Product Weight: 3.78 kg (Matrix)
Operating Temp Range: 0 to +35°C (32 to +95°F)
Storage Temp Range: -20°C to 60°C (-4°F to 140°F)
Humidity Range: 5 to 90% RH (no condensation)
Safety & Emissions: UKCA, CE, FCC, RoHS
Manufactured In: Great Britain by Pulse-Eight

1 x neo:6a Chassis | 6x neo:Lite PoH Receivers
1 x Rack Mounting Kit | 1 x Power Cord
1 x Infrared Blaster Cable Pack | 1 x Quick Start Guide

The diagram illustrates the connection of a PULSE EIGHT receiver to various audio and video components. The receiver is connected to a neoLite Receiver, a ProAudio8 (Dolby Multi-Channel Mode), a ProAudio1632, and a neo6a. The receiver is also connected to a Blu-ray Disc player, an Apple TV, a TiVo, and a PlayStation.

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

CRESTRON **HOME**
SAVANT

ELAN
Control(4)



neo: 4X4 VIDEO MATRIX KIT



4K 60HZ
4:2:0



EXTEND 4K
UP TO 40M



HDBASET
DIAGNOSTICS



CLOUD
MONITORING



4 HDMI®
INPUTS



4 HDBASET
OUTPUTS



2 HDMI®
MIRROR PORTS

TECHNICAL SPECIFICATIONS

SKU: P8-HDBT-L-FFMS44-22-KIT

HDMI® Inputs: 4x HDMI®

HDBaseT Outputs: 4x HDBaseT Class B (lite)

HDMI® Outputs: 2 (Mirror) HDMI®

HDBaseT Recommended Cable: Cat5e or greater

IR Control: Bidirectional

HDMI-CEC Control: Yes - Full

Voice Control: Yes - Alexa Skill

Web Interface: Yes + Android App available

Monitoring: Remote Monitoring Portal

Automatic EDID Management: Yes

Third Party Control: Yes - Drivers available

PoH: Yes

Encryption: HDCP 1.4, HDCP 2.2 and HDCP 2.3

Maximum Pixel Clock: 340Mhz

Maximum Bandwidth: 10.2Gbps

Maximum Video Resolution: 4K@60Hz 4:2:0 8bit

Power Consumption: Max 2.5Amps

Power Input: 48V DC - 4pin DIN connector

Power Rating: 100-240V 4.0/2.0A 50/60Hz

Material: Brushed Aluminium (Anodised)

Product Dimensions: 44 x 4.3 x 14 cm - 1U (Matrix)

Product Weight: 1.15 kg (Matrix)

Operating Temp Range: 0 to +35°C (32 to +95°F)

Storage Temp Range: -20°C to 60°C (-4°F to 140°F)

Humidity Range: 5 to 90% RH (no condensation)

Safety & Emissions: UKCA, CE, FCC, RoHS

Manufactured In: Great Britain by Pulse-Eight

KIT INCLUDES

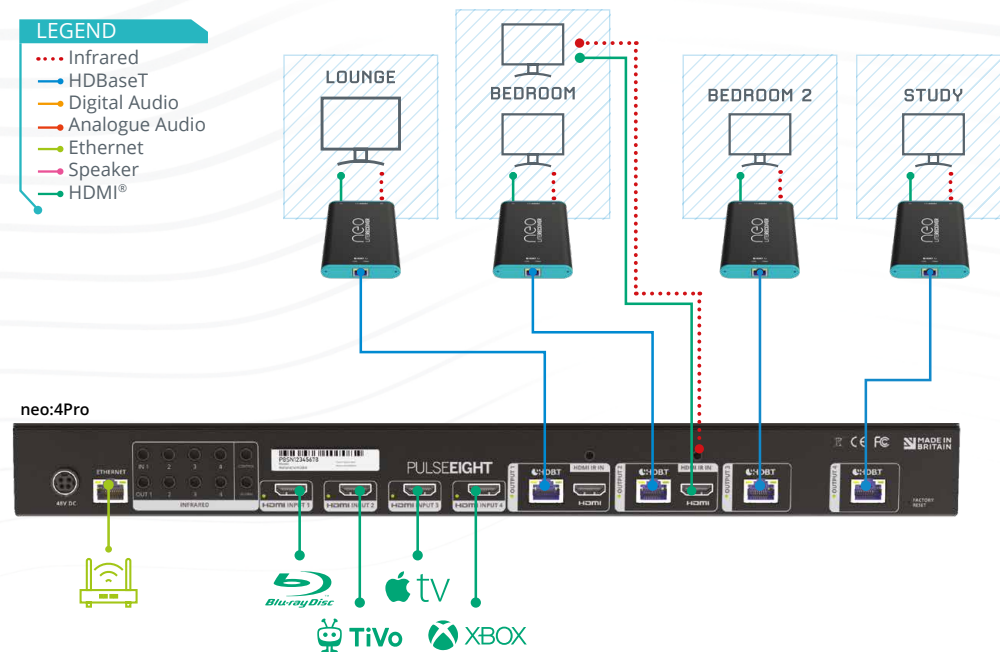
1 x neo:4 Chassis | 4 x neo:Lite PoH Receivers
1 x Rack Mounting Kit | 1 x 4 Button IR Remote
1 x Power Cord | 1 x Quick Start Guide
1 x Infrared Blaster Cable Pack



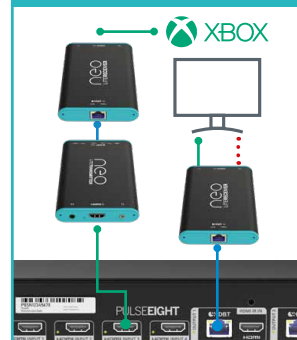
CONCEPT WIRING DIAGRAM: neo:4

LEGEND

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



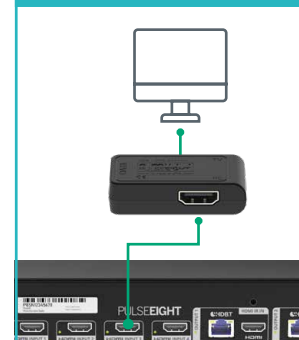
SOLUTION 1



SOURCE IN A ROOM

Use an additional neo:Lite HDMI® Extender set to loop back to the matrix.

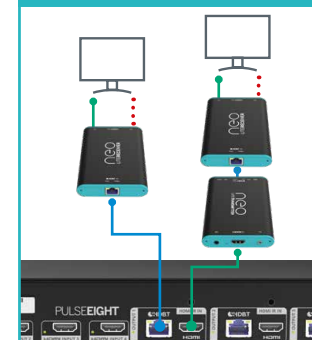
SOLUTION 2



HOME THEATRE PC

Add a USB-CEC Adapter between the matrix and the PC via a HDMI® input.

SOLUTION 3



EXTRA ZONE

Use a HDMI® mirror output with a neo:Lite Extender set (mirrored from the HDBaseT output).



DRIVERS AVAILABLE FOR:

CRESTRON HOME
SAVANT

ELAN
Control4



ProAudio

AUDIO DISTRIBUTION MADE SIMPLE

Pulse-Eight's ProAudio range of DSP capable pre-amp matrices offer innovative features and unmatched capabilities.

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



FULL
DSP



INPUT/OUTPUT
CONVERSION



LIP SYNC
CONTROL



C4
SDDP



5 YEAR
WARRANTY



THIRD PARTY
CONTROL



ProAudio8



24 AUDIO
INPUTS



8 AUDIO
OUTPUT ZONES



LIP SYNC
DELAY



THIRD PARTY
CONTROL



C4
SDDP



FULL
DSP

TECHNICAL SPECIFICATIONS

SKU: P8-PROAUDIO8

Audio Inputs: 24

Stereo L/R Audio Inputs: 8

Optical Audio Inputs: 8

Digital Coax Audio Inputs: 8

Audio Outputs: 8

Stereo L/R Audio Outputs: 8

Digital Coax Audio Outputs: 8

Serial Control: Yes - RS232

TCP/IP Control: Yes

Third Party Control: Yes - Drivers available

Lip Sync Delay: Up to 170ms per zone

Volume Adjustments: 20db to +20db 0.5db steps

Subwoofer Control: Yes

Treble: -20db to +20db 0.5db steps

Equalizer: 5 band EQ per zone

Input Gain Control: 24db to +24db

Output Gain Control: -24db to +24db

Doorbell/Paging Inputs: 2

Supported Formats: PCM, Dolby Digital 5.1, DTS

Coax Input Levels: 200mV-7.0V (PC card compatible)

Coax Output Level: 500mV nominal into 75 ohms

Freq. Response: 5Hz-20KHz @ +/-0.1dB S.N

Signal to Noise Ratio: > 85dB, 5Hz-20KHz

Input Impedance: 10K ohms

Analog Input Voltage: 2.0 Vrms

Analog Output Voltage: 2.0 Vrms

Power Input: IEC C14 socket

Power Rating: 110 - 240V, 1.0A, 50/60 Hz

Material: Brushed Aluminium (Anodised)

Product Dimensions: 44 x 8 x 22 cm - 5U

Product Weight: 2 kg

Operating Temp Range: 0 to +35°C (32 to +95°F)

Storage Temp Range: -20°C to 60°C (-4°F to 140°F)

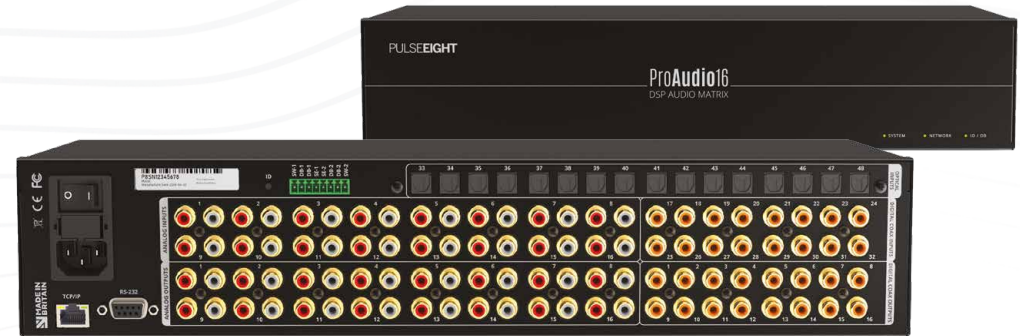
Humidity Range: 5 to 90% RH (no condensation)

Safety & Emissions: UKCA, CE, FCC, RoHS

Manufactured In: Great Britain by Pulse-Eight



ProAudio16



48 AUDIO
INPUTS



16 AUDIO
OUTPUT ZONES



LIP SYNC
DELAY



THIRD PARTY
CONTROL



C4
SDDP



FULL
DSP

TECHNICAL SPECIFICATIONS

SKU: P8-PROAUDIO16

Audio Inputs: 48

Stereo L/R Audio Inputs: 16

Optical Audio Inputs: 16

Digital Coax Audio Inputs: 16

Audio Outputs: 16

Stereo L/R Audio Outputs: 16

Digital Coax Audio Outputs: 16

12V Triggers: 0

Serial Control: Yes - RS232

TCP/IP Control: Yes

Third Party Control: Yes - Drivers available

Lip Sync Delay: Up to 170ms per zone

Volume Adjustments: 20db to +20db 0.5db steps

Subwoofer Control: Yes

Treble: -20db to +20db 0.5db steps

Equalizer: 5 band EQ per zone

Input Gain Control: 24db to +24db

Output Gain Control: -24db to +24db

Doorbell/Paging Inputs: 2

Supported Formats: PCM, Dolby Digital 5.1, DTS

Coax Input Levels: 200mV-7.0V (PC card compatible)

Coax Output Level: 500mV nominal into 75 ohms

Freq. Response: 5Hz-20KHz @ +/-0.1dB S.N

Signal to Noise Ratio: > 85dB, 5Hz-20KHz

Input Impedance: 10K ohms

Analog Input Voltage: 2.0 Vrms

Analog Output Voltage: 2.0 Vrms

Power Input: IEC C14 socket

Power Rating: 110 - 240V, 1.0A, 50/60 Hz

Material: Brushed Aluminium (Anodised)

Product Dimensions: 44 x 8 x 22 cm - 2U

Product Weight: 2 kg

Operating Temp Range: 0 to +35°C (32 to +95°F)

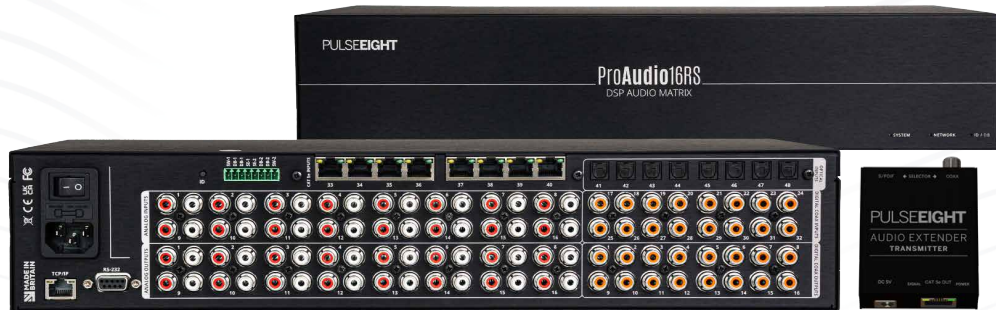
Storage Temp Range: -20°C to 60°C (-4°F to 140°F)

Humidity Range: 5 to 90% RH (no condensation)

Safety & Emissions: UKCA, CE, FCC, RoHS

Manufactured In: Great Britain by Pulse-Eight

ProAudio16RS



48 AUDIO
INPUTS



16 AUDIO
OUTPUT ZONES



REMOTE SOURCE
INPUTS



INCLUDES AUDIO
TRANSMITTERS



C4
SDDP



FULL
DSP

TECHNICAL SPECIFICATIONS

SKU: P8-PROAUDIO16RS-KIT

Audio Inputs: 48

Stereo L/R Audio Inputs: 16

Optical Audio Inputs: 8

CAT5e (Remote Source) Inputs: 8

Digital Coax Audio Inputs: 8

Audio Outputs: 32

Stereo L/R Audio Outputs: 32

Digital Coax Audio Outputs: 32

12V Triggers: 12

Audio Transmitters Included: 8

Serial Control: Yes - RS232

TCP/IP Control: Yes

Third Party Control: Yes - Drivers available

Lip Sync Delay: Up to 170ms per zone

Volume Adjustments: 20db to +20db 0.5db steps

Subwoofer Control: Yes

Treble: -20db to +20db 0.5db steps

Equalizer: 5 band EQ per zone

Input Gain Control: 24db to +24db

Output Gain Control: -24db to +24db

Doorbell/Paging Inputs: 2

Supported Formats: PCM, Dolby Digital 5.1, DTS

Coax Input Levels: 200mV-7.0V (PC card compatible)

Coax Output Level: 500mV nominal into 75 ohms

Freq. Response: 5Hz-20KHz @ +/-0.1dB S.N

Signal to Noise Ratio: > 85dB, 5Hz-20KHz

Input Impedance: 10K ohms

Analog Input Voltage: 2.0 Vrms

Analog Output Voltage: 2.0 Vrms

Power Input: IEC C14 socket

Power Rating: 110 - 240V, 1.0A, 50/60 Hz

Material: Brushed Aluminium (Anodised)

Product Dimensions: 44 x 8 x 22 cm - 2U

Product Weight: 2 kg

Operating Temp Range: 0 to +35°C (32 to +95°F)

Storage Temp Range: -20°C to 60°C (-4°F to 140°F)

Humidity Range: 5 to 90% RH (no condensation)

Safety & Emissions: UKCA, CE, FCC, RoHS

Manufactured In: Great Britain by Pulse-Eight

ProAudio1632



40 AUDIO
INPUTS



32 AUDIO
OUTPUT ZONES



LIP SYNC
DELAY



THIRD PARTY
CONTROL



C4
SDDP



FULL
DSP

TECHNICAL SPECIFICATIONS

SKU: P8-PROAUDIO1632

Audio Inputs: 40

Stereo L/R Audio Inputs: 16

Optical Audio Inputs: 8

Digital Coax Audio Inputs: 16

Audio Outputs: 32

Stereo L/R Audio Outputs: 32

Digital Coax Audio Outputs: 32

12V Triggers: 12

Serial Control: Yes - RS232

TCP/IP Control: Yes

Third Party Control: Yes - Drivers available

Lip Sync Delay: Up to 170ms per zone

Volume Adjustments: 20db to +20db 0.5db steps

Subwoofer Control: Yes

Treble: -20db to +20db 0.5db steps

Equalizer: 5 band EQ per zone

Input Gain Control: 24db to +24db

Output Gain Control: -24db to +24db

Doorbell/Paging Inputs: 2

Supported Formats: PCM, Dolby Digital 5.1, DTS

Coax Input Levels: 200mV-7.0V (PC card compatible)

Coax Output Level: 500mV nominal into 75 ohms

Freq. Response: 5Hz-20KHz @ +/-0.1dB S.N

Signal to Noise Ratio: > 85dB, 5Hz-20KHz

Input Impedance: 10K ohms

Analog Input Voltage: 2.0 Vrms

Analog Output Voltage: 2.0 Vrms

Power Input: IEC C14 socket

Power Rating: 110 - 240V, 1.0A, 50/60 Hz

Material: Brushed Aluminium (Anodised)

Product Dimensions: 44 x 22 x 25 cm - 5U

Product Weight: 3.7 kg

Operating Temp Range: 0 to +35°C (32 to +95°F)

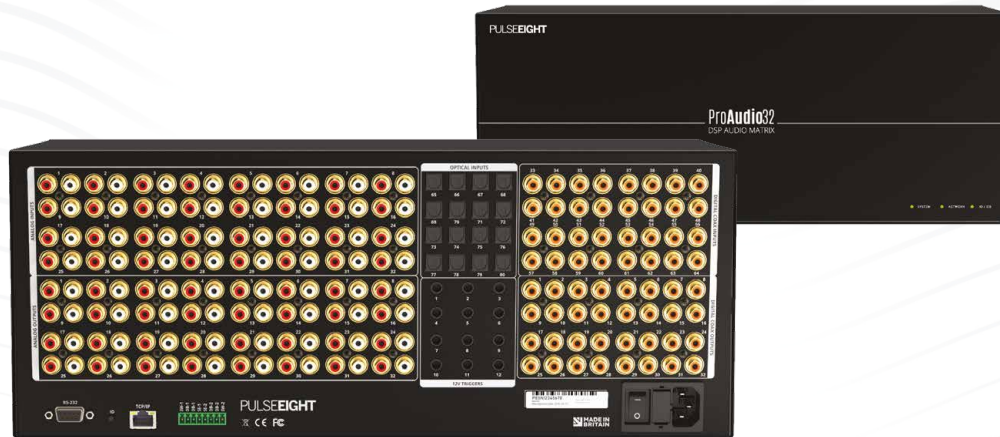
Storage Temp Range: -20°C to 60°C (-4°F to 140°F)

Humidity Range: 5 to 90% RH (no condensation)

Safety & Emissions: UKCA, CE, FCC, RoHS

Manufactured In: Great Britain by Pulse-Eight

ProAudio32



80 AUDIO INPUTS



32 AUDIO OUTPUT ZONES



LIP SYNC DELAY



THIRD PARTY CONTROL



C4 SDDP



FULL DSP

TECHNICAL SPECIFICATIONS

SKU: P8-PROAUDIO32

Audio Inputs: 80

Stereo L/R Audio Inputs: 32

Optical Audio Inputs: 16

Digital Coax Audio Inputs: 32

Audio Outputs: 32

Stereo L/R Audio Outputs: 32

Digital Coax Audio Outputs: 32

12V Triggers: 12

Serial Control: Yes - RS232

TCP/IP Control: Yes

Third Party Control: Yes - Drivers available

Lip Sync Delay: Up to 170ms per zone

Volume Adjustments: 20db to +20db 0.5db steps

Subwoofer Control: Yes

Treble: -20db to +20db 0.5db steps

Equalizer: 5 band EQ per zone

Input Gain Control: 24db to +24db

Output Gain Control: -24db to +24db

Doorbell/Paging Inputs: 2

Supported Formats: PCM, Dolby Digital 5.1, DTS

Coax Input Levels: 200mV-7.0V (PC card compatible)

Coax Output Level: 500mV nominal into 75 ohms

Freq. Response: 5Hz-20KHz @ +/-0.1dB S.N

Signal to Noise Ratio: > 85dB, 5Hz-20KHz

Input Impedance: 10K ohms

Analog Input Voltage: 2.0 Vrms

Analog Output Voltage: 2.0 Vrms

Power Input: IEC C14 socket

Power Rating: 110 - 240V, 1.0A, 50/60 Hz

Material: Brushed Aluminium (Anodised)

Product Dimensions: 44 x 22 x 25 cm - 5U

Product Weight: 4 kg

Operating Temp Range: 0 to +35°C (32 to +95°F)

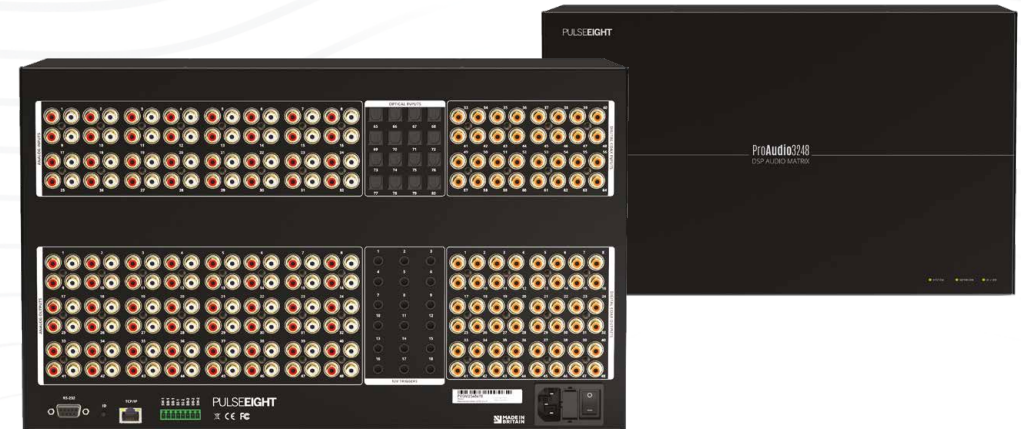
Storage Temp Range: -20°C to 60°C (-4°F to 140°F)

Humidity Range: 5 to 90% RH (no condensation)

Safety & Emissions: UKCA, CE, FCC, RoHS

Manufactured In: Great Britain by Pulse-Eight

ProAudio3248



80 AUDIO INPUTS



48 AUDIO OUTPUT ZONES



LIP SYNC DELAY



THIRD PARTY CONTROL



C4 SDDP



FULL DSP

TECHNICAL SPECIFICATIONS

SKU: P8-PROAUDIO3248

Audio Inputs: 80

Stereo L/R Audio Inputs: 32

Optical Audio Inputs: 16

Digital Coax Audio Inputs: 32

Audio Outputs: 48

Stereo L/R Audio Outputs: 48

Digital Coax Audio Outputs: 48

12V Triggers: 18

Serial Control: Yes - RS232

TCP/IP Control: Yes

Third Party Control: Yes - Drivers available

Lip Sync Delay: Up to 170ms per zone

Volume Adjustments: 20db to +20db 0.5db steps

Subwoofer Control: Yes

Treble: -20db to +20db 0.5db steps

Equalizer: 5 band EQ per zone

Input Gain Control: 24db to +24db

Output Gain Control: -24db to +24db

Doorbell/Paging Inputs: 2

Supported Formats: PCM, Dolby Digital 5.1, DTS

Coax Input Levels: 200mV-7.0V (PC card compatible)

Coax Output Level: 500mV nominal into 75 ohms

Freq. Response: 5Hz-20KHz @ +/-0.1dB S.N

Signal to Noise Ratio: > 85dB, 5Hz-20KHz

Input Impedance: 10K ohms

Analog Input Voltage: 2.0 Vrms

Analog Output Voltage: 2.0 Vrms

Power Input: IEC C14 socket

Power Rating: 110 - 240V, 1.0A, 50/60 Hz

Material: Brushed Aluminium (Anodised)

Product Dimensions: 44 x 26 x 25 cm - 6U

Product Weight: 5 kg

Operating Temp Range: 0 to +35°C (32 to +95°F)

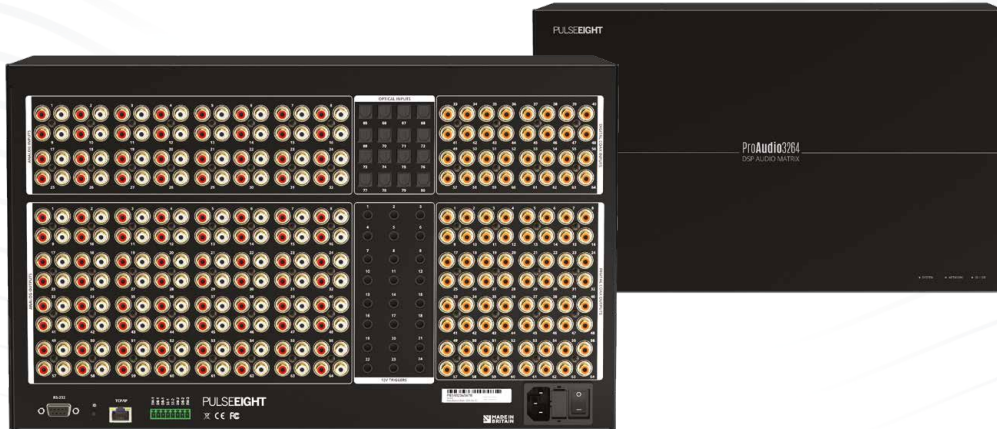
Storage Temp Range: -20°C to 60°C (-4°F to 140°F)

Humidity Range: 5 to 90% RH (no condensation)

Safety & Emissions: UKCA, CE, FCC, RoHS

Manufactured In: Great Britain by Pulse-Eight

ProAudio3264



80 AUDIO INPUTS



64 AUDIO OUTPUT ZONES



LIP SYNC DELAY



THIRD PARTY CONTROL



C4 SDDP



FULL DSP

TECHNICAL SPECIFICATIONS

SKU: P8-PROAUDIO3264

Audio Inputs: 80

Stereo L/R Audio Inputs: 32

Optical Audio Inputs: 16

Digital Coax Audio Inputs: 32

Audio Outputs: 64

Stereo L/R Audio Outputs: 64

Digital Coax Audio Outputs: 64

12V Triggers: 24

Serial Control: Yes - RS232

TCP/IP Control: Yes

Third Party Control: Yes - Drivers available

Lip Sync Delay: Up to 170ms per zone

Volume Adjustments: 20db to +20db 0.5db steps

Subwoofer Control: Yes

Treble: -20db to +20db 0.5db steps

Equalizer: 5 band EQ per zone

Input Gain Control: 24db to +24db

Output Gain Control: -24db to +24db

Doorbell/Paging Inputs: 2

Supported Formats: PCM, Dolby Digital 5.1, DTS

Coax Input Levels: 200mV-7.0V (PC card compatible)

Coax Output Level: 500mV nominal into 75 ohms

Freq. Response: 5Hz-20KHz @ +/-0.1dB S.N

Signal to Noise Ratio: > 85dB, 5Hz-20KHz

Input Impedance: 10K ohms

Analog Input Voltage: 2.0 Vrms

Analog Output Voltage: 2.0 Vrms

Power Input: IEC C14 socket

Power Rating: 110 - 240V, 1.0A, 50/60 Hz

Material: Brushed Aluminium (Anodised)

Product Dimensions: 44 x 26 x 25 cm - 6U

Product Weight: 5 kg

Operating Temp Range: 0 to +35°C (32 to +95°F)

Storage Temp Range: -20°C to 60°C (-4°F to 140°F)

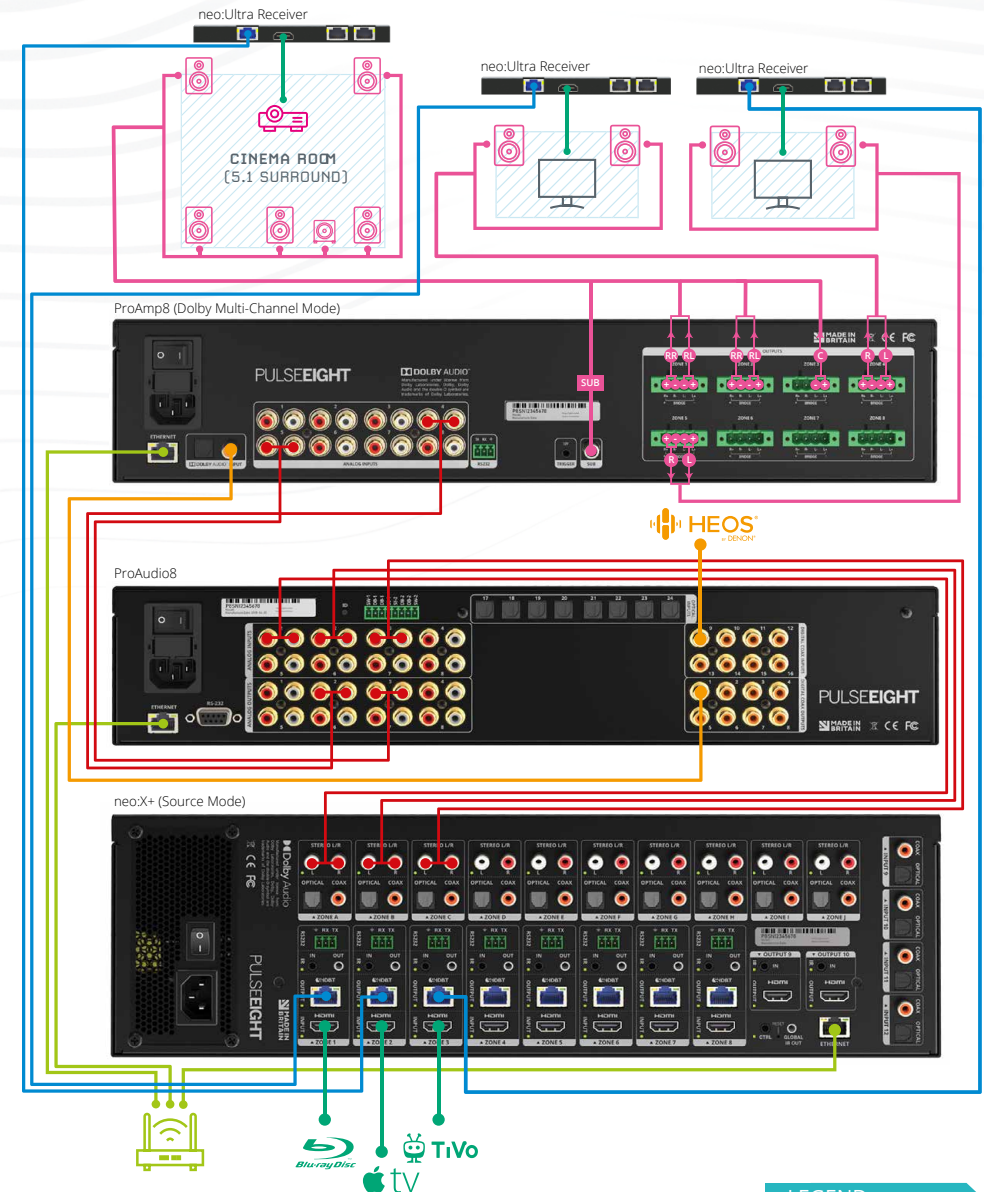
Humidity Range: 5 to 90% RH (no condensation)

Safety & Emissions: UKCA, CE, FCC, RoHS

Manufactured In: Great Britain by Pulse-Eight



CONCEPT WIRING DIAGRAM: neo:X+, ProAudio8 and ProAmp8



DRIVERS AVAILABLE FOR:

CRESTRON HOME
SAVANT

ELAN
Control4



LEGEND

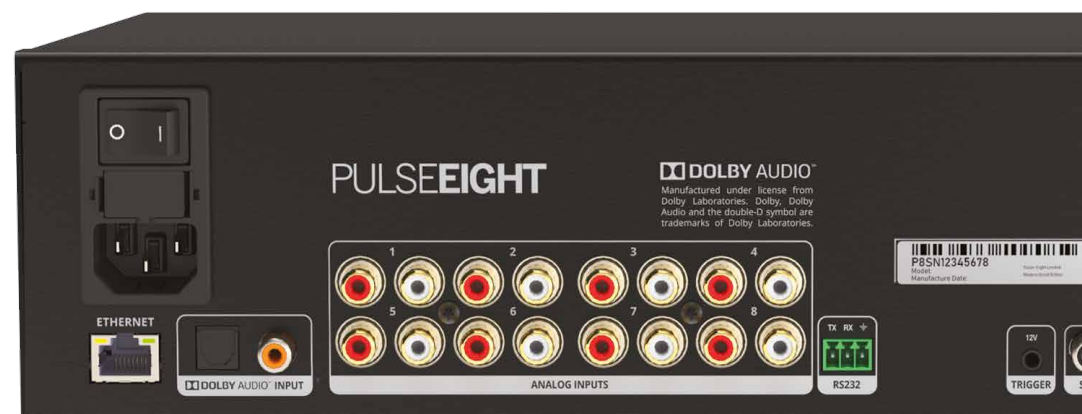
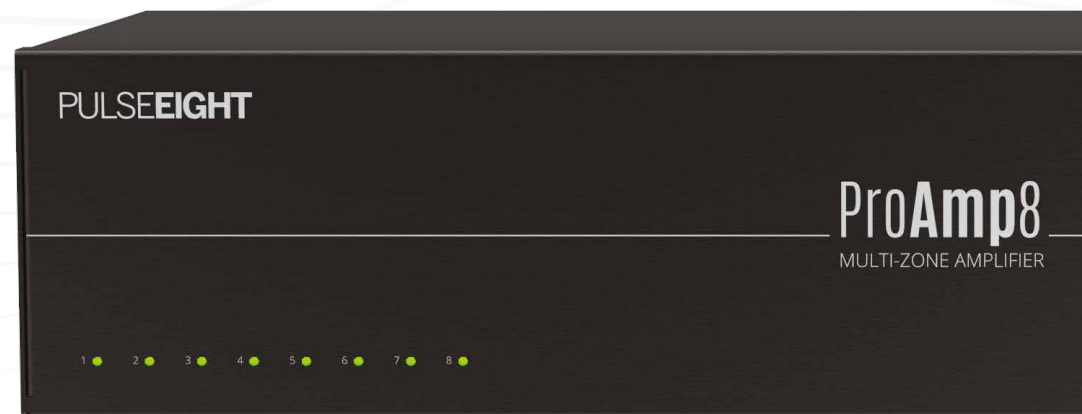
- ... Infrared
- HDBaseT
- Digital Audio
- Analogue Audio
- Ethernet
- Speaker
- HDMI®

ProAmp

ALL IN ONE SOLUTION FOR AMPLIFICATION

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 5.1/3.1/2.1 Surround Sound Modes.

This level of flexibility allows for a home theatre, alongside a multi-room whole-house distributed audio system, all in one box. The ProAmp8 is the perfect partner to Pulse-Eight's ProAudio range and our latest neo:X matrices



DOLBY 5.1
SUPPORT



DRIVEN BY
ICE POWER



FLEXIBLE
CONFIGURATION



CLOUD
MONITORING



3 YEAR
WARRANTY



THIRD PARTY
CONTROL



ProAmp8

8 ZONE POWER AMPLIFIER



8 ANALOGUE INPUTS



1 DOLBY INPUT



8 AUDIO OUTPUT ZONES



200W @4Ω BRIDGE MODE



100W @4Ω 50W @8Ω



THIRD PARTY CONTROL



CLOUD MONITORING

TECHNICAL SPECIFICATIONS

SKU: P8-PROAMP8

Audio Inputs: 9

Stereo L/R Audio Inputs: 8

Digital Audio Inputs: 1 (Dolby 5.1 Supported)

Audio Outputs Zones: 8

Active Subwoofer: 1x Line-Level Active Output

12V Triggers: 1

Serial Control: Yes - RS232 Phoenix

TCP/IP Control: Yes

Auto-Sense Wake-Up: <1 second (from standby)

Third Party Control: Yes - Drivers available

Rated Power @4Ω load: 100 watts per channel @1% THD+N / 80 watts per channel @0.1% THD+N

Rated Power @8Ω load: 50 watts per channel @1% THD+N

Rated Bridged Power @8Ω load: 200 watts @1% THD+N / 160 watts @0.1% THD+N

Configuration Modes: Stereo Multi-Zone Mode or Dolby Multi-Channel Mode

Material: Brushed Aluminium (Anodised)

Product Dimensions: 44 x 8 x 22 cm - 2U

Operating Temp Range: 0 to +45°C (32 to 113°F)

Storage Temp Range: -20°C to 70°C (-4°F to 158°F)

Humidity Range: 5 to 90% RH (no condensation)

Safety & Emissions: UKCA, CE, FCC, RoHS

Manufactured In: Great Britain by Pulse-Eight

DOLBY AUDIO MODE:

Audio Delay: Up to 50ms per zone

Volume Adjustments: -99.5dB to +24dB

Equalizer: +/- 12dB

Bass & Treble: +/- 12dB

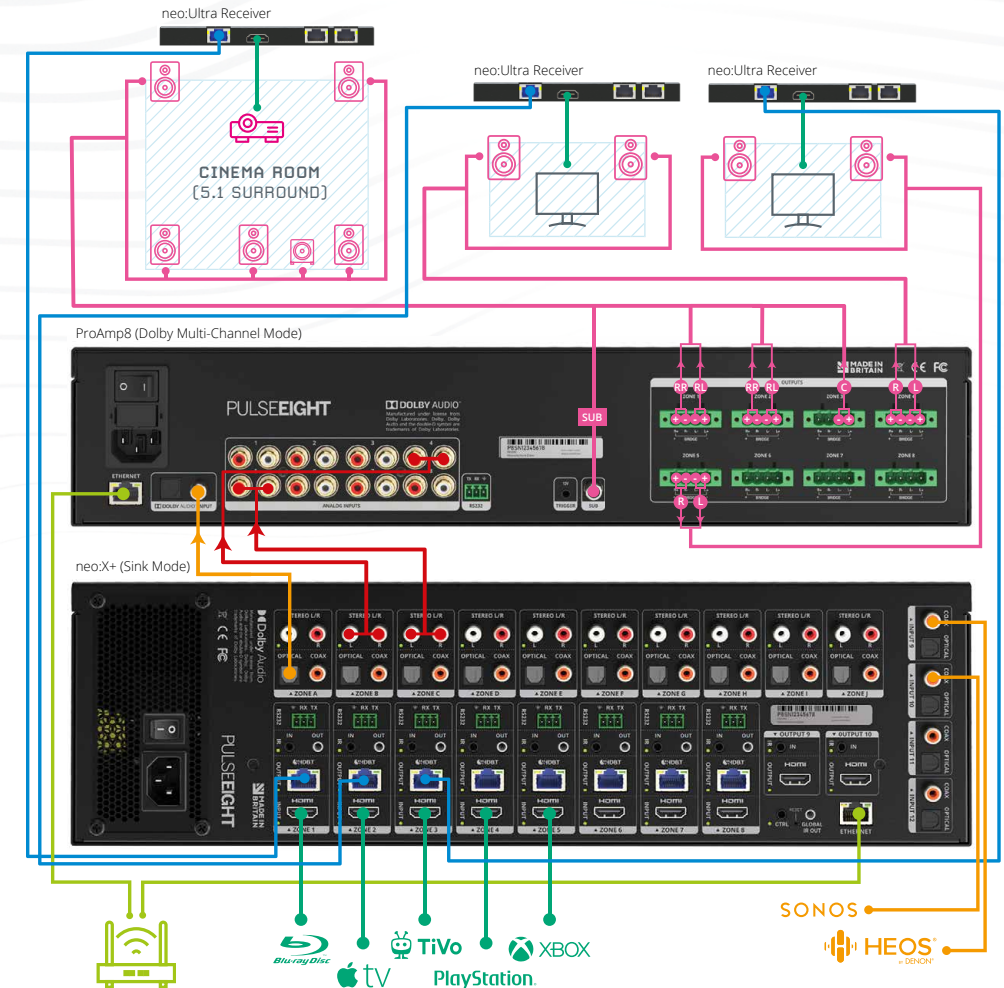
Line Level Output: Line level subwoofer

Volume Range: 0 - 100. Adjustable

Mute: On / Off

Bass & Treble: +/- 12dB

Stereo Channel Up-mix: Auto up-mixing of stereo digital audio



LEGEND

- ... Infrared
- HDBaseT
- Digital Audio
- Analogue Audio
- Ethernet
- Speaker
- HDMI®



DRIVERS AVAILABLE FOR:

ELAN

Control4

RTI

neo

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.



POH AS
STANDARD



LOW
PROFILE



3 YEAR
WARRANTY

neo:Ultra

HDBaseT™ HDMI® EXTENDER SET



TECHNICAL SPECIFICATIONS

SKU: P8-HDBT2-U-EXSET	Maximum Pixel Clock: 600Mhz
Transmitter Inputs: 1x HDMI® 2.0	Maximum Bandwidth: 18Gbps
Transmitter Outputs: 1x HDBaseT Class C + DSC	Maximum Video Resolution: 4K@60Hz 4:4:4 8bit
Receiver Inputs: 1x HDBaseT Class C + DSC	Power Consumption: Transmitter: 7.3W / Receiver: 8W
Receiver Outputs: 1x HDMI® 2.0	Power Supply: 1 x 48V @ 0.5A (Transmitter only)
HDBaseT Recommended Cable: Cat5e or higher	Wall Mountable: Yes - Bracket Included
Ethernet Passthrough: Yes 10/100	Material: Aluminium
Serial Control: RS232 via 3.5mm (adapter required)	Product Dimensions: 14.8 x 1.3 x 10.5 cm each
IR Control: Bidirectional	Product Weight: 0.16 kg each
HDMI-CEC Control: Yes - Full	Operating Temp Range: 0 to +35°C (32 to +95°F)
ARC (Audio Return Channel): Yes	Storage Temp Range: -20°C to 60°C (-4°F to 140°F)
DSC (Display Stream Compression): Yes	Humidity Range: 5 to 90% RH (no condensation)
PoH: Yes	Safety & Emissions: UKCA, CE, FCC, RoHS
LED Indicators: Yes	Manufactured In: Great Britain by Pulse-Eight
Encryption: HDCP 1.4, HDCP 2.2 and HDCP 2.3	

neo:Pro

HDBaseT™ HDMI® EXTENDER SET



TECHNICAL SPECIFICATIONS

SKU: P8-HDBT2-P-EXSET	Maximum Pixel Clock: 340Mhz
Transmitter Inputs: 1x HDMI® 2.0	Maximum Bandwidth: 10.2Gbps
Transmitter Outputs: 1x HDBaseT Class C	Maximum Video Resolution: 4K@60Hz 4:2:0 8bit
Receiver Inputs: 1x HDBaseT Class C	Power Consumption: Transmitter: 7.3W / Receiver: 8W
Receiver Outputs: 1x HDMI® 2.0	Power Supply: 1 x 48V @ 0.5A (Transmitter only)
HDBaseT Recommended Cable: Cat5e or higher	Wall Mountable: Yes - Bracket Included
Ethernet Passthrough: Yes 10/100	Material: Aluminium
Serial Control: RS232 via 3.5mm (adapter required)	Product Dimensions: 14.8 x 1.3 x 10.5 cm each
IR Control: Bidirectional	Product Weight: 0.16 kg each
HDMI-CEC Control: Yes - Full	Operating Temp Range: 0 to +35°C (32 to +95°F)
ARC (Audio Return Channel): Yes	Storage Temp Range: -20°C to 60°C (-4°F to 140°F)
DSC (Display Stream Compression): No	Humidity Range: 5 to 90% RH (no condensation)
PoH: Yes	Safety & Emissions: UKCA, CE, FCC, RoHS
LED Indicators: Yes	Manufactured In: Great Britain by Pulse-Eight
Encryption: HDCP 1.4, HDCP 2.2 and HDCP 2.3	

neo:Lite

HDBaseT™ HDMI® EXTENDER SET



EXTEND 1080P
UP TO 70M



EXTEND 4K
UP TO 40M



BIDIRECTIONAL
IR



POH
RECEIVER



3 YEAR
WARRANTY

TECHNICAL SPECIFICATIONS

SKU: P8-HDBT-L-EXSET

Transmitter Inputs: 1x HDMI®

Transmitter Outputs: 1x HDBaseT Class B

Receiver Inputs: 1x HDBaseT Class B

Receiver Outputs: 1x HDMI®

HDBaseT Recommended Cable: Cat5e or higher

Ethernet Passthrough: No

Serial Control: No

IR Control: Bidirectional

HDMI-CEC Control: Yes - Full

ARC (Audio Return Channel): No

DSC (Display Stream Compression): No

PoH: Yes

LED Indicators: Yes

Encryption: HDCP 1.4, HDCP 2.2 and HDCP 2.3

Maximum Pixel Clock: 340Mhz

Maximum Bandwidth: 10.2Gbps

Maximum Video Resolution: 4K@60Hz 4:2:0 8bit

Power Consumption: Transmitter: 3W / Receiver: 5.5W

Power Supply: 1 x 48V @ 0.5A (Transmitter only)

Wall Mountable: Yes - bracket sold separately

Material: Extruded Aluminium

Product Dimensions: 11.5 x 1.8 x 8.2 cm each

Product Weight: 0.17 kg each

Operating Temp Range: 0 to +40°C (32 to +104°F)

Storage Temp Range: -20°C to 60°C (-4°F to 140°F)

Humidity Range: 5 to 90% RH (no condensation)

Safety & Emissions: UKCA, CE, FCC, RoHS

Manufactured In: Great Britain by Pulse-Eight

neo:ultra³

HDBaseT™ 3.0 HDMI® END POINT



HDBASET
3.0



UNCOMPRESSED



POWER OVER
HDBASET™



3 YEAR
WARRANTY

Simple. Effortless. Uncompressed.

Introducing our first HDBaseT 3.0 product. Embracing the evolution.

The neo:ultra3 is our new, cutting edge HDBaseT extender. Where a pixel perfect image is required, just the same as from a direct HDMI® cable, the neo:ultra3 is here. HDBaseT 3.0 allows for uncompressed 4K@60Hz 4:4:4 to be transmitted over Cat6 and Cat6A cable. The result is, what you transmit, is preserved intact. For key viewing areas or where there is no room to compromise, the neo:ultra3 is the perfect product.

PULSE-EIGHT SPLITTER SOLUTIONS

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 tech tools 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.

neo 1-4 HDBaseT™ SPLITTER



4K 60HZ
4:2:0



EXTEND 4K
UP TO 40M



HDBASET
DIAGNOSTICS



CLOUD
MONITORING



1 HDMI®
INPUT



4 HDBASET
OUTPUTS



3 YEAR
WARRANTY

TECHNICAL SPECIFICATIONS

SKU: P8-HDBT-L-SP4

Inputs: 1x HDMI®

Outputs: 4x HDBaseT Class B

HDBaseT Recommended Cable: Cat5e or higher

Ethernet Passthrough: No

Serial Control: No

IR Control: Return IR

HDMI-CEC Control: Yes - Full

Voice Control: Yes - Alexa Skill

IP Control: Yes

Web Interface: Yes + Android App available

Monitoring: Remote Monitoring Portal

ARC (Audio Return Channel): No

PoH: Requires neo:Lite PoH Receivers (sold separately)

Encryption: HDCP 1.4, HDCP 2.2 and HDCP 2.3

Maximum Pixel Clock: 340Mhz

Maximum Bandwidth: 10.2Gbps

Maximum Video Resolution: 4K@60Hz 4:2:0 8bit

Power Consumption: 48V @ 0.5A

Power Supply: 1 x 48V @ 0.5A (Transmitter only)

Material: Anodized Aluminium

Product Dimensions: 18.6 x 4.3 x 22 cm

Product Weight: 0.6 kg

Operating Temp Range: 0 to +35°C (32 to +95°F)

Storage Temp Range: -20°C to 60°C (-4°F to 140°F)

Humidity Range: 5 to 90% RH (no condensation)

Safety & Emissions: UKCA, CE, FCC, RoHS

Manufactured In: Great Britain by Pulse-Eight

neo

1-4 HDMI® SPLITTER



4K 60Hz
4:4:4



CLOUD
MONITORING



1 HDMI®
INPUT



4 HDMI®
OUTPUTS



3 YEAR
WARRANTY

TECHNICAL SPECIFICATIONS

SKU: P8-HDMI2-SP4

Inputs: 1x HDMI® 2.0

Outputs: 4x HDMI® 2.0

Ethernet Passthrough: No

Serial Control: No

IR Control: Return IR

HDMI-CEC Control: Yes - Full

Voice Control: Yes

IP Control: No

Web Interface: Yes

Monitoring: Yes

ARC (Audio Return Channel): No

Encryption: HDCP 1.4, HDCP 2.2 and HDCP 2.3

Maximum Pixel Clock: 600Mhz

Maximum Bandwidth: 18Gbps

Maximum Video Resolution: 4K@60Hz 4:4:4 8bit

Power Consumption: 5V @ 2Amps

Power Supply: 5V DC Barrel Jack 2.1mm

Material: Anodized Aluminium

Product Dimensions: 43 x 4.3 x 14 cm

Product Weight: 0.7 kg

Operating Temp Range: 0 to +35°C (32 to +95°F)

Storage Temp Range: -20°C to 60°C (-4°F to 140°F)

Humidity Range: 5 to 90% RH (no condensation)

Safety & Emissions: UKCA, CE, FCC, RoHS

Manufactured In: Great Britain by Pulse-Eight

HDMI® HDCP 2.3

TECH TOOLS

1-2 HDMI® SPLITTER & DOWNSCALER



4K 60Hz
4:4:4



1 HDMI®
INPUT



2 HDMI®
OUTPUTS



DOWNSCALING



3 YEAR
WARRANTY

TECHNICAL SPECIFICATIONS

SKU: P8-HDMI2-SP2-DS

Video Inputs: 1x HDMI® 2.0

Video Outputs: 2x HDMI® 2.0

Audio Outputs: 1 x 3.5mm Jack Analogue and

1 x Optical Audio Breakout

HDMI-CEC Control: Passthrough (Output 1 only)

ARC: Passthrough (Output 1 only)

Downscaling: 4K>1080p

Encryption: HDCP 1.4, HDCP 2.2 and HDCP 2.3

Maximum Pixel Clock: 600Mhz

Maximum Bandwidth: 18Gbps

Maximum Video Resolution: 4K@60Hz 4:4:4 8bit

Power Consumption: 2.8W Max

Power Supply: 5V DC

Material: Anodized Aluminium

Product Dimensions: 12.8 x 1.4 x 6.2 cm

Product Weight: 0.10 kg

Operating Temp Range: 0 to +35°C (32 to +95°F)

Storage Temp Range: -20°C to 60°C (-4°F to 140°F)

Humidity Range: 5 to 90% RH (no condensation)

Safety & Emissions: UKCA, CE, FCC, RoHS

Assembled In: Great Britain by Pulse-Eight

HDMI® HDCP 2.3

PULSE-EIGHT AUDIO ACCESSORIES

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 are designed to work seamlessly alongside our matrices and extenders, but also work standalone if required.

DIGITAL AUDIO OVER CAT5E/6 EXTENDER



TECHNICAL SPECIFICATIONS

SKU: P8-AE-CAT-EXSET

Transmitter Inputs: Digital Coax or Optical (S/PDIF)

Transmitter Outputs: Cat5e/Cat6

Receiver Inputs: Cat5e/Cat6

Receiver Outputs: Digital Coax or Optical (S/PDIF)

Recommended Cable: Cat5e or higher

Maximum Cable Length: 200 metres

Audio Format Input: 5.1 Dolby Digital / 2ch Stereo PCM

Audio Format Output: 5.1 Dolby Digital / 2ch Stereo PCM

Power Consumption: Max 5W

Power Supply: 5V DC

Material: Anodized Aluminium

Product Dimensions: 6.3 x 2.2 x 6.2 cm each

Product Weight: 0.10 kg each

Operating Temp Range: 0 to +35°C (32 to +95°F)

Operating Humidity Range: 5 to 90% RH

Safety & Emissions: UKCA, CE, FCC, RoHS

Manufactured In: Great Britain by Pulse-Eight

Digital audio over extreme distances can be tricky in isolation. Our audio extender uses a standard Cat5e/6 cable to seamlessly transmit S/PDIF (Toslink) audio—the perfect solution to extending audio signals up to distances of 200m over a single cable.

KEY FEATURES:

- Supports coaxial or S/PDIF digital audio signals
- Supports Stereo and Multichannel digital audio
- Supports 2ch PCM audio inputs
- 5.1 Compressed audio supported
- Extension length up to 200m
- Extends via a single CAT5e or CAT6 cable



AUDIO DELAY DEVICE



TECHNICAL SPECIFICATIONS

SKU: P8-AD340

Inputs: Stereo L/R (Phono)

Outputs: Stereo L/R (Phono)

Audio Input Format: 2ch Stereo / Analogue line level

Audio Output Format: 2ch Stereo / Analogue line level

Lip Sync Delay: Up to 340ms

Power Consumption: Max 5W

Power Supply: 5V DC

Material: Anodized Aluminium

Product Dimensions: 6.2 x 2.3 x 7.7 cm

Product Weight: 0.10 kg

Operating Temp Range: 0 to +35°C (32 to +95°F)

Storage Temp Range: -20°C to 60°C (-4°F to 140°F)

Operating Humidity Range: 5 to 90% RH

Safety & Emissions: UKCA, CE, FCC, RoHS

Manufactured In: Great Britain by Pulse-Eight

The P8-AD340 is a perfect solution to lip sync problems. With 20~ millisecond increments options 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 problems
- 20~ millisecond increments from its 16-way selector
- Delay the audio from 20-340ms
- Simple L/R phono input and output connection
- Compact design



INPUT SIDE



OUTPUT SIDE

DOLBY DIGITAL DOWNMIXER DAC



TECHNICAL SPECIFICATIONS

SKU: P8-DDAC

Inputs: Digital Coax or Optical (S/PDIF)

Outputs: Stereo L+R (Phono)

Distortion: <0.001% @ 1kHz at 2V RMS

Signal to Noise Ratio: > 90dB (20Hz - 20kHz)

Output Impedance: 500Ω

Frequency Response: < +/-0.5dB"

Encryption: HDCP 1.4 and HDCP 2.2

Power Consumption: Max 5W

Power Supply: 5V DC

Material: Anodized Aluminium

Product Dimensions: 6.4 x 2.4 x 6.4 cm

Product Weight: 0.1 kg

Operating Temp Range: 0 to +35°C (32 to +95°F)

Storage Temp Range: -20°C to 60°C (-4°F to 140°F)

Humidity Range: 5 to 90% RH (no condensation)

Manufactured In: Great Britain by Pulse-Eight

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. Stereo output signals can then be fed to external devices.

KEY FEATURES:

- Both inputs and outputs for coaxial and optical connections
- Ensures a reliable transition from modern digital source devices
- Decodes connected digital S/PDIF coaxial or TOSLINK optical digital audio sources to standard analogue stereo L/R audio



INPUT SIDE



OUTPUT SIDE

HDMI® DOWNMIXER DAC



WE'RE HERE FOR YOU

TECHNICAL SPECIFICATIONS

SKU: P8-HDMIDAC

Input: 1x HDMI®

Output: 1x HDMI®

Scale Video Up from: 1920x1080p @ 24/25/30Hz to 3840x2160p @ 24/25/30Hz

Scale Video Down from: 3840x2160p @ 24/25/30Hz to 1920x1080p @ 24/25/30Hz

Audio Output Format: Passthrough / 2ch PCM with Downmix selected

Audio Input Format: 5.1 Dolby Digital / 2ch Stereo PCM

Power Consumption: Max 5W

Power Supply: 5V DC

Material: Anodized Aluminium

Product Dimensions: 6.5 x 2.3 x 7.7 cm

Product Weight: 0.105 kg

Operating Temp Range: 0 to +35°C (32 to +95°F)

Storage Temp Range: -20°C to 60°C (-4°F to 140°F)

Humidity Range: 5 to 90% RH (no condensation)

Manufactured In: Great Britain by Pulse-Eight

The P8-HDMIDAC video scaler and digital audio converter (DAC) are 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:

- In line downmix of incoming Dolby Digital to stereo PCM audio over HDMI
- 3.5mm audio breakout
- Downscale 4K/30p > 1080/24p, to enable 1080p screens to view 4K sources through a video matrix
- Upscale 1080/24p > 4K/30p, for 4K screens



INPUT SIDE



OUTPUT SIDE

WARRANTY INFORMATION

We back all of our products with a guarantee of up to 5 years that covers all parts and labour should anything go wrong. This warranty gives you the confidence that should the product develop a fault, we are here to back you up.

GOLD

5 Year Warranty

3 Years Advance Replacement
2 Years Return to Base

Included with all Video
and Audio Matrix Systems

SILVER

3 Year Warranty

1 Year Advance Replacement
2 Years Return to Base

Included with Amps, Extender
Sets and Pulse-Eight Accessories

BRONZE

1 Year Warranty

1 Year Advance Replacement

Included with IR Buds,
Cables, Brackets and
Tech Tools Accessories



COMPARISON CHARTS

		Inputs & Outputs					Video Resolutions							HDBaseT Video Distance				
		HDMI® Inputs	HDBaseT Outputs	HDMI® Outputs	Audio Input	Audio Outputs	4K@60Hz 4:4:4	4K@60Hz 4:2:2	4K@60Hz 4:2:0	4K/HDR 10@60Hz	4K/HDR 10@24Hz	1080p	720p	4K			1080p	
														100 metres	70 metres	40 metres	100 metres	70 metres
Video Matrix	neo:X+	8	8	2	4	8	•	•	•	•	•	•	•	•	•	•	•	•
	neo:XMR	6	6	2	4	8	•	•	•	•	•	•	•	•	•	•	•	•
	neo:XSR	6	4	2	0	6	•	•	•	•	•	•	•	•	•	•	•	•
	neo:8a	8	8	2	0	8		•		•	•	•	•		•			•
	neo:6a	6	6	2	0	6		•		•	•	•	•		•			•
	neo:4	4	4	2	0	0		•		•	•	•	•		•			•
Extender Set	neo:Ultra Extender	1	1	1	0	0	•	•	•	•	•	•	•	•	•	•	•	•
	neo:Pro Extender	1	1	1	0	0		•		•	•	•	•	•	•	•	•	•
	neo:Lite Extender	1	1	1	0	0		•		•	•	•	•		•			•
Video Splitter	neo:1-4 HDBT Splitter	1	4	0	0	0		•		•	•	•	•		•			•
	neo:1-4 HDMI® Splitter	1	0	4	0	0	•	•	•	•	•	•	•	-	-	-	-	-
	Tech Tools 1-2 Splitter	1	0	2	0	2	•	•	•	•	•	•	•	-	-	-	-	-

*Denotes products that use Display Stream Compression (DSC) to compress 4K@60Hz 4:4:4 signals

		Audio Inputs	Stereo L/R Inputs	Optical Inputs	Digital Coax Inputs	Remote Source Inputs	Audio Output Zones	Stereo L/R Outputs	Digital Coax Outputs	12V Triggers	Lip Sync Delay	Third Party Control	C4 SDDP	Full DSP	Doorbell/Paging Outputs
ProAudio DSP Audio Matrix	ProAudio3264	80	32	16	32	0	64	64	64	24	•	•	•	•	•
	ProAudio3248	80	32	16	32	0	48	48	48	18	•	•	•	•	•
	ProAudio32	80	32	16	32	0	32	32	32	12	•	•	•	•	•
	ProAudio1632	40	16	8	16	0	32	32	32	12	•	•	•	•	•
	ProAudio16RS	48	16	8	8	8	16	16	16	0	•	•	•	•	•
	ProAudio16	48	16	16	16	0	16	16	16	0	•	•	•	•	•
	ProAudio8	24	8	8	8	0	8	8	8	0	•	•	•	•	•



SUPPORTED AUDIO FORMATS

All neo products support the following

LPCM 2.0, LPCM 5.1
LPCM 6.1, LPCM 7.1
Dolby Digital 2.0
Dolby Digital 5.1
Dolby Digital EX 6.1
Dolby Digital Plus 7.1

Dolby TrueHD 5.1
Dolby TrueHD 7.1
Dolby Atmos 5.1.2
Dolby Atmos 5.1.4
Dolby Atmos 7.1.2
Dolby Atmos 7.1.4

Dolby Atmos 9.1.2
DTS 5.1, DTS-HD Master 5.1
DTS-HD Master 7.1
DTS 96/24 5.1
DTS-ES Discrete 6.1
DTS-ES Matrix 6.1

PROUD SPONSORS OF

HITECH^{GP}
PULSEEIGHT
RACING



This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There is no text or other markings on the paper.This image shows a full page of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. On the left side, there is a vertical margin line, creating a narrow left margin. The top of the page has some faint, illegible markings that appear to be from a previous page or a header. The overall appearance is that of a clean, unused sheet of notebook paper.



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