



20  
23

PRODUCT  
PORTFOLIO

## WHO ARE WE?

We are Pulse-Eight. Founded in 2010, our vision is quite simple: to enhance our customer's AV experience by creating products that "just work", using the latest, innovative technology.

By utilising a carefully selected team of passionate engineering and manufacturing staff, we ensure that all our products have been designed and built to the very best standard.



**PROUDLY**  
BUILT IN BRITAIN



# neo:X<sup>3</sup>

## 8X10 VIDEO & AUDIO MATRIX KIT

[Matrix also available as chassis only, allowing you to customise your kit]



CLOUD  
MONITORING



BIT PERFECT  
4K@60



10 AUDIO  
OUT ZONES



4 DEDICATED  
AUDIO INPUTS



5 YEAR  
WARRANTY

### TECHNICAL SPECIFICATIONS

**SKU:** P8-HDBT3-FFMJ1210-KIT

**HDMI Inputs:** 8

**Audio Inputs:** 4

**HDBaseT Outputs:** 8x HDBaseT3

**HDMI Outputs:** 2 Switchable

**Audio Output Zones:** 10 with Dolby Downmix

**HDBaseT3 Recommended Cable:** Cat6A or greater

**Ethernet Passthrough:** Yes - 10/100

**IR Control:** Bi-Directional

**HDMI-CEC Control:** Full

**Voice Control:** Yes - Alexa Skill

**Web Interface:** Yes + Android App available

**Monitoring:** Real Time Remote Monitoring Portal

**Automatic EDID Management:** Yes

**Third Party Control:** Yes - Drivers available

**HDMI ARC (Audio Return Channel):** Yes

**Compression:** None

**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

**Power Consumption:** Max 2Amps @ 240V

**Power Supply:** IEC C14 Inlet - 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

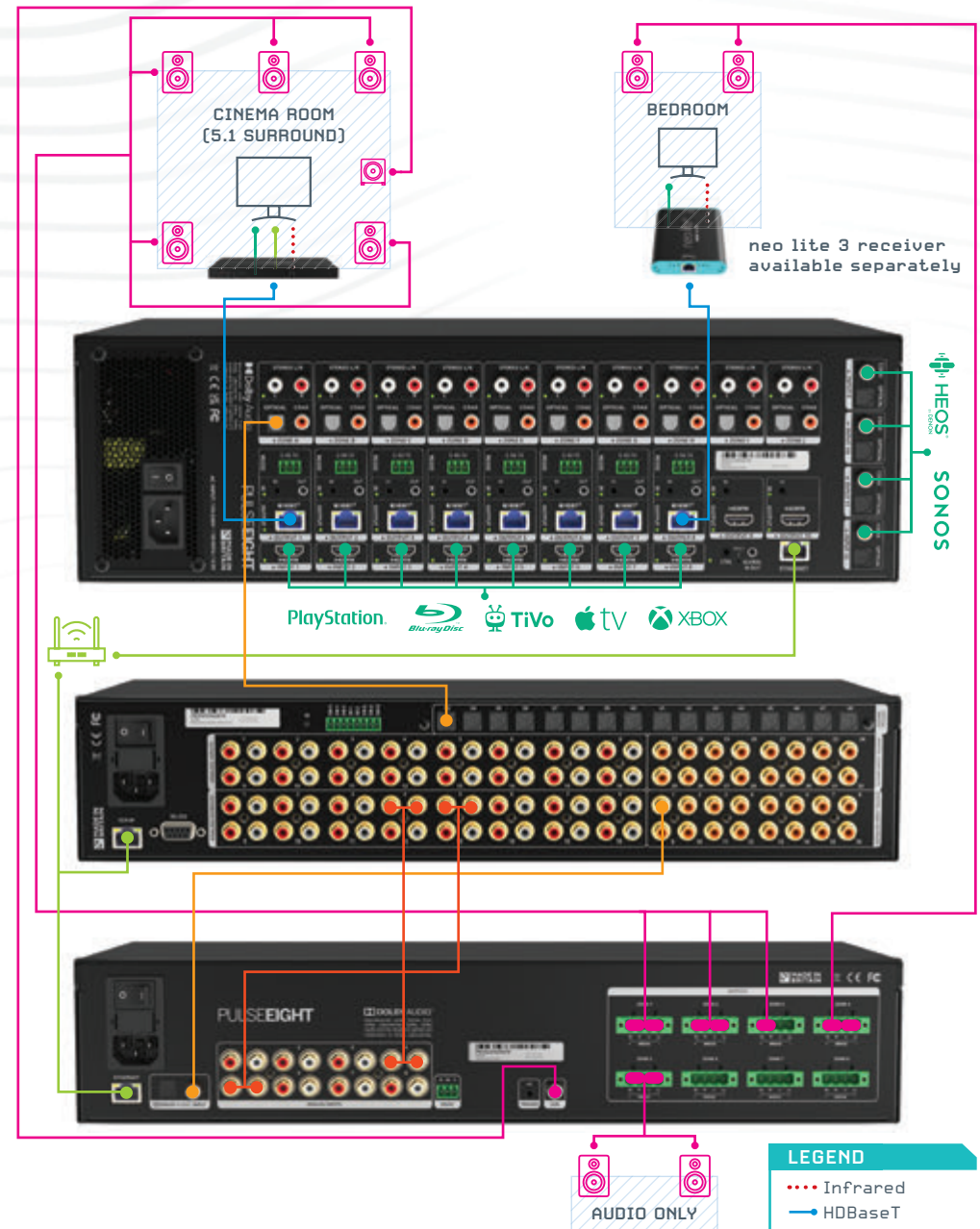
### KIT INCLUDES

neo:X3 Chassis | Rack Ears | 8x Ultra3 PoH  
Receivers 8x Receiver Wall Brackets | 1x Infrared  
Blaster Cable Pack Country Specific Power Cord |  
Quick Start Guide

Dolby Audio Dolby Vision HDMI CHDBT<sup>3</sup> HDCP 2.3 HLG



### CONCEPT WIRING DIAGRAM: neo:X3, ProAudio16 and ProAmp8



### COMPATIBLE CONTROL SYSTEMS

CRESTRON  
SAVANT

CRESTRON HOME  
Control4

ELAN  
RTI

### LEGEND

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

# neo:XSR<sup>3</sup>

## 6X6 VIDEO & AUDIO MATRIX KIT

[Matrix also available as chassis only]



CLOUD  
MONITORING



6 VIDEO  
OUTPUTS



6 AUDIO  
OUTPUTS



BIT PERFECT  
4K@60



5 YEAR  
WARRANTY

### TECHNICAL SPECIFICATIONS

**SKU:** P8-HDBT3-L-66-KIT

**HDMI Inputs:** 6

**Audio Inputs:** 4

**HDBaseT Outputs:** 4x HDBaseT3 Short Range

**HDMI Outputs:** 2 Switchable

**Audio Output Zones:** 6

**HDBaseT Recommended Cable:** Cat6A or greater

**Ethernet Passthrough:** Yes - 10/100

**IR Control:** Bi-Directional

**HDMI-CEC Control:** Full

**Voice Control:** Yes - Alexa Skill

**Web Interface:** Yes + Android App available

**Monitoring:** Real Time 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

**Power Consumption:** Max 2Amps @ 240V

**Power Supply:** IEC C14 Inlet - 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

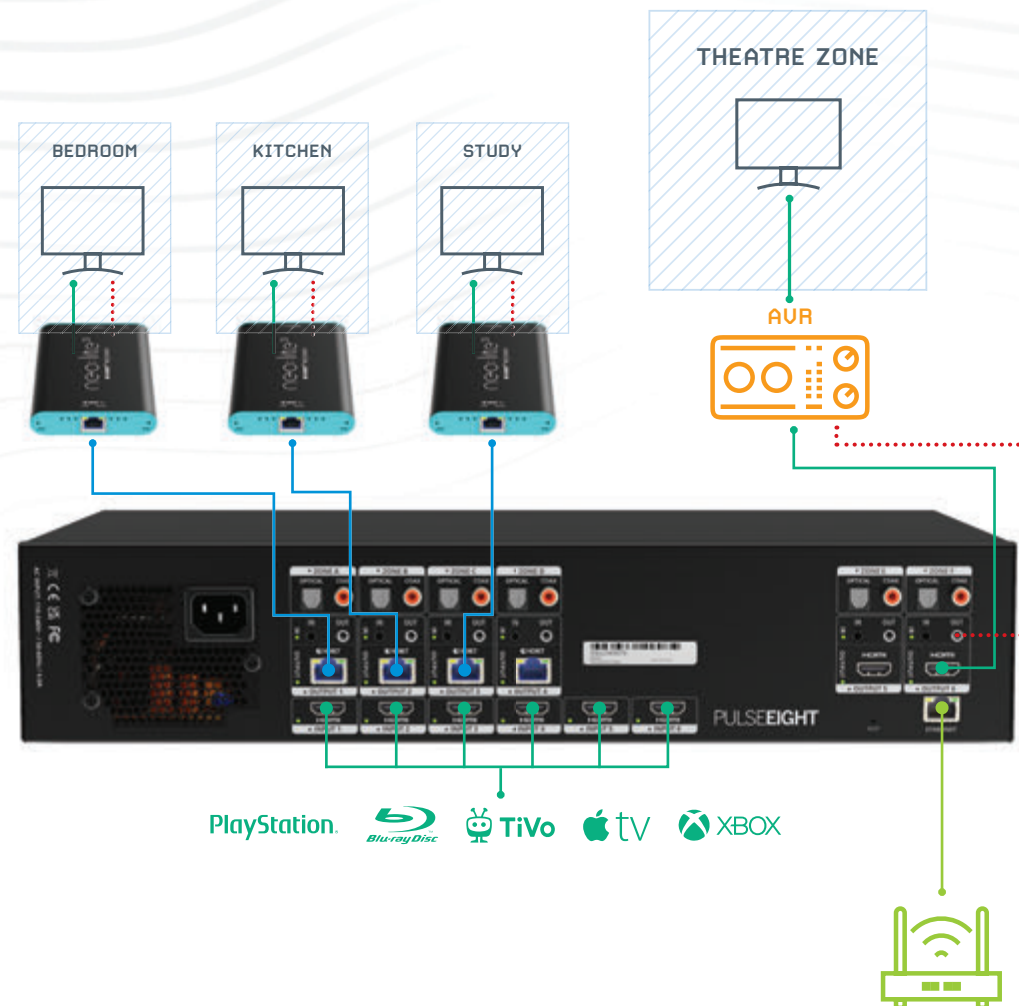
### KIT INCLUDES

neo:XSR3 Chassis | Rack Ears | 4x neo:Ultra3SR PoH  
Receivers | 4x Receiver Wall Brackets | 1x Infrared  
Blaster | Cable Pack | Country Specific Power Cord  
Quick Start Guide

Dolby Vision HDMI HDBT<sup>3</sup> HDCP<sup>2.3</sup> HLG



### CONCEPT WIRING DIAGRAM: neo:XSR3



### LEGEND

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



### COMPATIBLE CONTROL SYSTEMS

CRESTRON  
SAVANT

CRESTRON HOME  
Control4

ELAN  
RTI



# neo

## 8X10 VIDEO MATRIX KIT



EXTEND 1080P  
UP TO 70M



EXTEND 4K  
UP TO 40M



CLOUD  
MONITORING



10 VIDEO  
OUTPUTS



8 AUDIO  
OUTPUTS



5 YEAR  
WARRANTY

### TECHNICAL SPECIFICATIONS

**SKU:** P8-HDBT-L-FFMNB810A-KIT

**HDMI Inputs:** 8

**Audio Outputs:** 8x HDMI Source Audio Breakouts

**HDBaseT Outputs:** 8x HDBaseT Class B (lite)

**HDMI Outputs:** 2 Switchable

**HDBaseT Recommended Cable:** Cat5e or greater

**Ethernet Passthrough:** No

**IR Control:** Bi-Directional

**HDMI-CEC Control:** Full

**Voice Control:** Yes - Alexa Skill

**Web Interface:** Yes + Android App available

**Monitoring:** Real Time Remote Monitoring Portal

**Automatic EDID Management:** Yes

**Third Party Control:** Yes - Drivers available

**ARC (Audio Return Channel):** No

(Source Audio Breakout only)

**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

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

**Power Consumption:** Max 2Amps @ 240V

**Power Inlet:** IEC C14 Inlet - 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

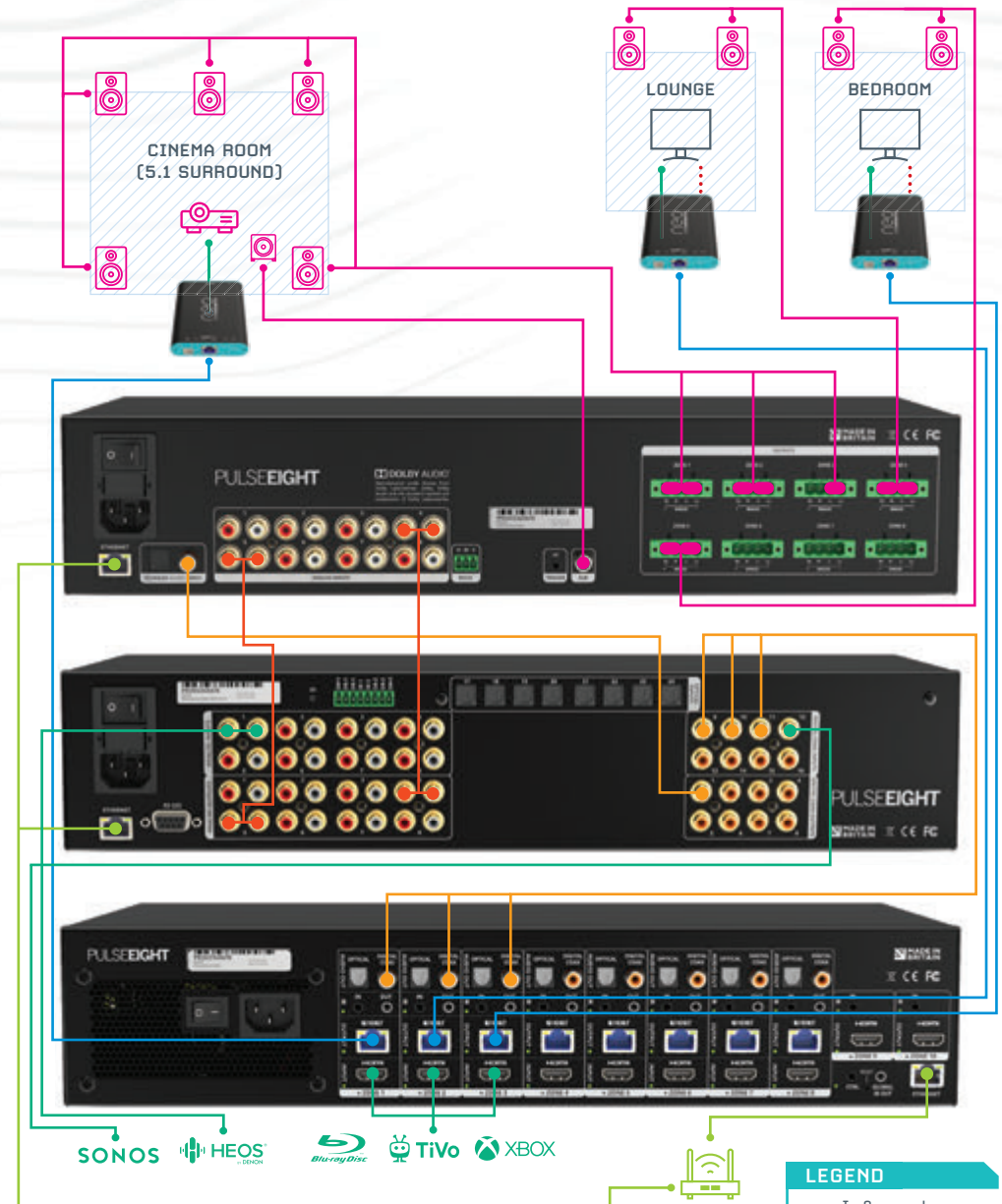
neo:8a Chassis | 8x neo:Lite PoH Receivers

1x Infrared Blaster Cable Pack | Rack Ears

Country Specific Power Cord | Quick Start Guide



### CONCEPT WIRING DIAGRAM: neo:8A, ProAudio8 and ProAmp8



### COMPATIBLE CONTROL SYSTEMS

**CRESTRON**  
SAVANT

CRESTRON HOME  
Control4

ELAN  
RTI

### LEGEND

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

# neo:6A

## 6X8 VIDEO MATRIX KIT



EXTEND 1080P  
UP TO 70M



EXTEND 4K  
UP TO 40M



CLOUD  
MONITORING



8 VIDEO  
OUTPUTS



6 AUDIO  
OUTPUTS



5 YEAR  
WARRANTY

### TECHNICAL SPECIFICATIONS

**SKU:** P8-HDBT-L-FFMN68-KIT

**HDMI Inputs:** 6

**Audio Outputs:** 6x HDMI Source Audio Breakouts

**HDBaseT Outputs:** 6x HDBaseT Class B (lite)

**HDMI Outputs:** 2 Switchable

**HDBaseT Recommended Cable:** Cat5e or greater

**Ethernet Passthrough:** No

**IR Control:** Bi-Directional

**HDMI-CEC Control:** Full

**Voice Control:** Yes - Alexa Skill

**Web Interface:** Yes + Android App available

**Monitoring:** Real Time Remote Monitoring Portal

**Automatic EDID Management:** Yes

**Third Party Control:** Yes - Drivers available

**ARC (Audio Return Channel):** No  
(Source Audio Breakout only)

**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

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

**Power Consumption:** Max 2Amps @ 240V

**Power Inlet:** IEC C14 Inlet - 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)

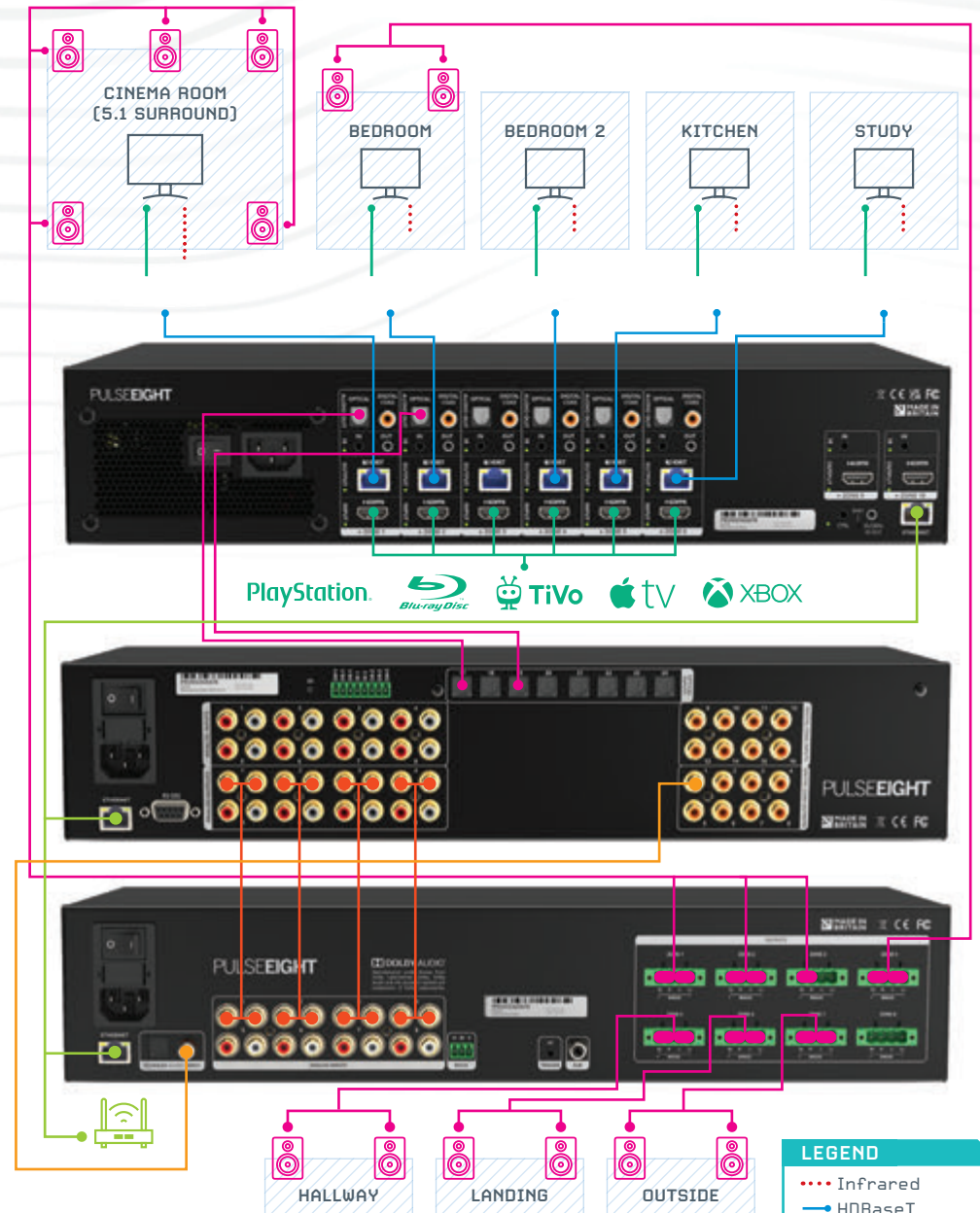
**Safety & Emissions:** UKCA, CE, FCC, RoHS

**Manufactured In:** Great Britain by Pulse-Eight

### KIT INCLUDES

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

### CONCEPT WIRING DIAGRAM: neo:6A, ProAudio8 and ProAmp8



### COMPATIBLE CONTROL SYSTEMS

CRESTRON  
SAVANT

CRESTRON HOME  
Control4

ELAN  
RTI

### LEGEND

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

# neo: 4X4 VIDEO MATRIX KIT



## TECHNICAL SPECIFICATIONS

**SKU:** P8-HDBT-L-FFMS44-22-KIT  
**HDMI Inputs:** 4  
**Audio Outputs:** 0  
**HDBaseT Outputs:** 4x HDBaseT Class B (lite)  
**HDMI Outputs:** 2 (Mirror)  
**HDBaseT Recommended Cable:** Cat5e or greater  
**Ethernet Passthrough:** No  
**IR Control:** Bi-Directional  
**HDMI-CEC Control:** Full  
**Voice Control:** Yes - Alexa Skill  
**Web Interface:** Yes + Android App available  
**Monitoring:** Real Time Remote Monitoring Portal  
**Automatic EDID Management:** Yes  
**Third Party Control:** Yes - Drivers available  
**ARC (Audio Return Channel):** No  
**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  
**Colour Supported:** 4K: 8bit, 1080p: 12bit  
**Power Consumption:** 120W  
**Power Supply:** 48V @ 2.5Amps  
**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

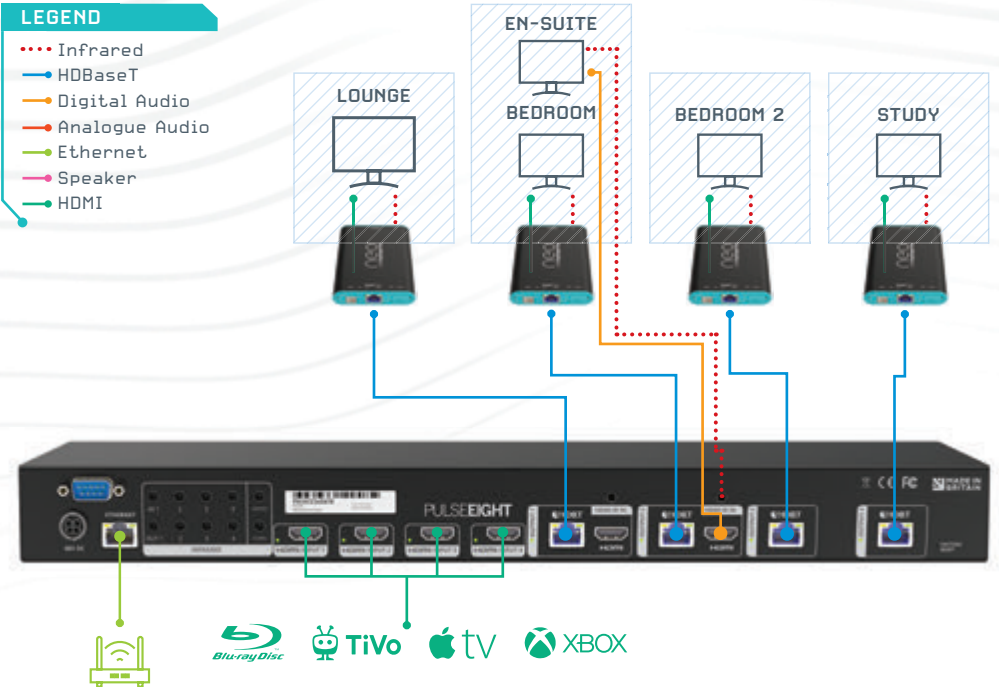
neo:4 Chassis | 4x neo:Lite PoH Receivers  
 1x Infrared Blaster Cable Pack | Quick Start Guide  
 Country Specific Power Supply and Cord | Rack Ears



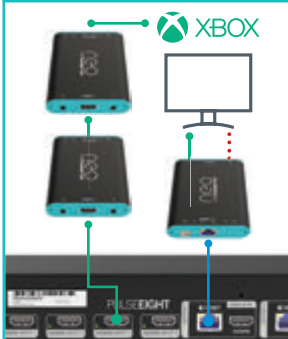
## CONCEPT WIRING DIAGRAM: neo:4

### LEGEND

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



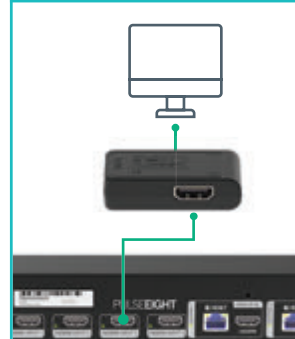
### SOLUTION 1



#### SOURCE IN A ROOM

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

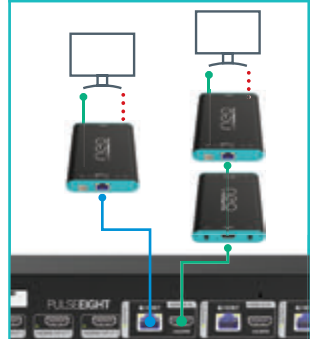
### SOLUTION 2



#### 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).



## COMPATIBLE CONTROL SYSTEMS

**CRESTRON**  
SAVANT

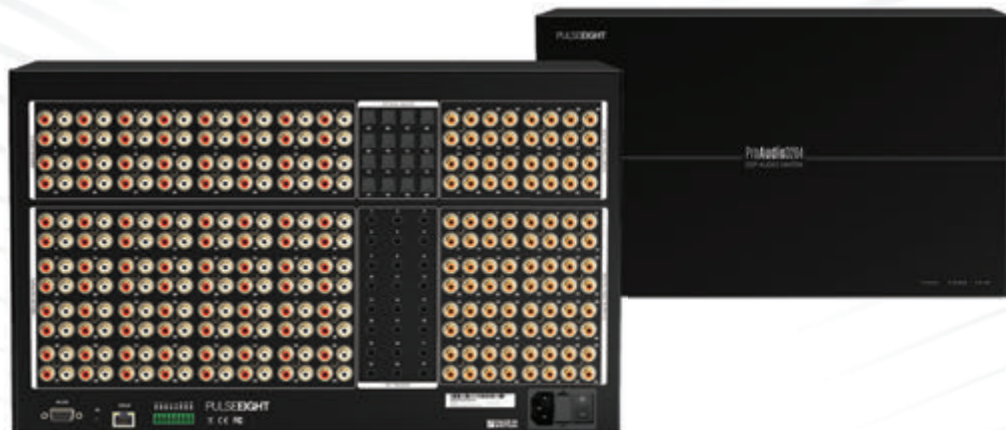
CRESTRON HOME  
Control4

**ELAN**  
RTI



**DSP**  
PRO AUDIO

# 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

**Optical Audio Outputs:** 64

**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

**Equalizer:** 5 band EQ per zone

**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

**Ratio:** > 85dB, 5Hz-20KHz

**Input Impedance:** 10K ohms

**Power Supply:** IEC C14 input - 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:** -10 to +70°C (14 to +158°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

**DSP**  
PRO AUDIO

# 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

**Optical 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

**Equalizer:** 5 band EQ per zone

**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

**Ratio:** > 85dB, 5Hz-20KHz

**Input Impedance:** 10K ohms

**Power Supply:** IEC C14 input - 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:** -10 to +70°C (14 to +158°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



**DSP**  
PRO AUDIO

# 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

**Optical 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

**Equalizer:** 5 band EQ per zone

**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

**Ratio:** > 85dB, 5Hz-20KHz

**Input Impedance:** 10K ohms

**Power Supply:** IEC C14 input - 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:** -10 to +70°C (14 to +158°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

**DSP**  
PRO AUDIO

# 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

**Optical 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

**Equalizer:** 5 band EQ per zone

**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

**Ratio:** > 85dB, 5Hz-20KHz

**Input Impedance:** 10K ohms

**Power Supply:** IEC C14 input - 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:** -10 to +70°C (14 to +158°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



# ProAudio8



48 AUDIO  
INPUTS



16 AUDIO  
OUTPUT ZONES



LIP SYNC  
DELAY



THIRD PARTY  
CONTROL



C4  
SDDP



FULL  
DSP



24 AUDIO  
INPUTS



8 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

**Optical 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

**Equalizer:** 5 band EQ per zone

**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

**Ratio:** > 85dB, 5Hz-20KHz

**Input Impedance:** 10K ohms

**Power Supply:** IEC C14 input - 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:** -10 to +70°C (14 to +158°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

## 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

**Optical Audio Outputs:** 8

**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

**Equalizer:** 5 band EQ per zone

**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

**Ratio:** > 85dB, 5Hz-20KHz

**Input Impedance:** 10K ohms

**Power Supply:** IEC C14 input - 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:** -10 to +70°C (14 to +158°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

# ProAmp8

## 8 ZONE POWER AMPLIFIER



### 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

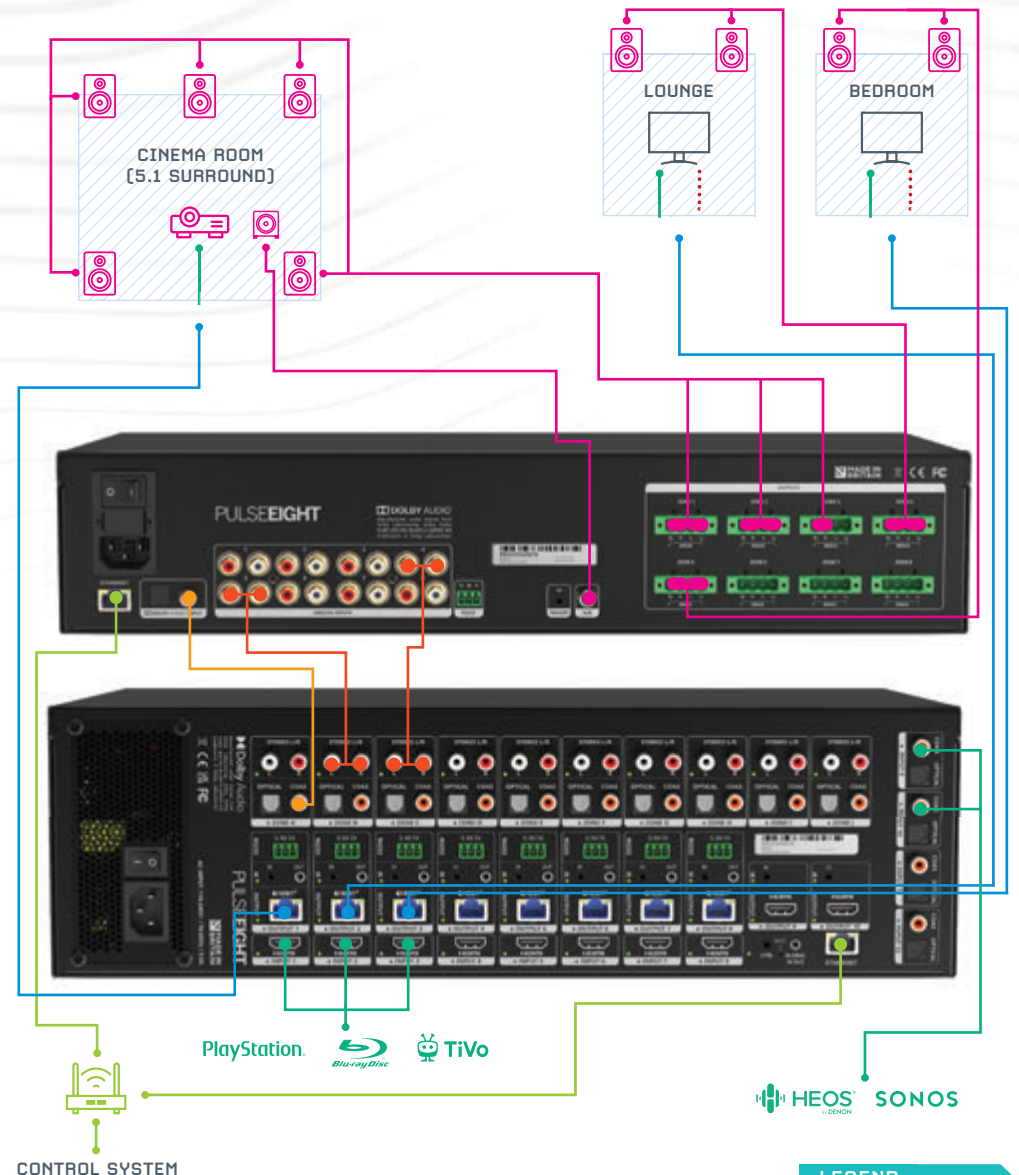
**Mute:** On / Off

**Bass & Treble:** +/- 12dB

**Stereo Channel Up-mix:** Auto of stereo digital audio



### CONCEPT WIRING DIAGRAM: ProAmp8 and neo:X+



#### LEGEND

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



### COMPATIBLE CONTROL SYSTEMS





# neo:ultra<sup>3</sup>

## HDBaseT3 END POINT



### TECHNICAL SPECIFICATIONS

<b>SKU:</b> P8-HDBT3-U-ENDPOINT	<b>Maximum Pixel Clock:</b> 600Mhz
<b>HDMI:</b> 1x Input, 1x Output	<b>Maximum Bandwidth:</b> 18Gbps
<b>HDBaseT3 Ports:</b> 1 (Bi-directional)	<b>Maximum Video Resolution:</b> 4K@60Hz 4:4:4
<b>HDBaseT3 Recommended Cable:</b> Cat6A or greater	<b>Colour Supported:</b> 4K: 12bit, 1080p: 12bit
<b>Ethernet Passthrough:</b> Yes 10/100	<b>Power Supply:</b> 1 x 48V @ 0.5A
<b>Ethernet Ports:</b> 2	<b>Wall Mountable:</b> Yes
<b>Serial Control:</b> RS232 Phoenix Connector	<b>Material:</b> Aluminium
<b>IR Control:</b> Bi-Directional	<b>Product Dimensions:</b> 14.8 x 10.6 x 1.47
<b>HDMI-CEC Control:</b> Full	<b>Product Weight:</b> 0.2 kg each
<b>ARC (Audio Return Channel):</b> HDMI	<b>Operating Temp Range:</b> 0 to +35°C (32 to +95°F)
<b>Compression:</b> None	<b>Storage Temp Range:</b> -20°C to 60°C (-4°F to 140°F)
<b>PoH:</b> Yes	<b>Humidity Range:</b> 5 to 90% RH (no condensation)
<b>LED Indicators:</b> Yes	<b>Safety &amp; Emissions:</b> UKCA, CE, FCC, RoHS
<b>Encryption:</b> HDCP 1.4, HDCP 2.2 and HDCP 2.3	<b>Manufactured In:</b> Great Britain by Pulse-Eight

# neo:Ultra

## HDMI EXTENDER SET



### TECHNICAL SPECIFICATIONS

<b>SKU:</b> P8-HDBT2-U-EXSET	<b>Maximum Pixel Clock:</b> 600Mhz
<b>Transmitter Inputs:</b> 1x HDMI	<b>Maximum Bandwidth:</b> 18Gbps
<b>Transmitter Outputs:</b> 1x HDBaseT Class C + DSC	<b>Maximum Video Resolution:</b> 4K@60Hz 4:4:4
<b>Receiver Inputs:</b> 1x HDBaseT Class C + DSC	<b>Colour Supported:</b> 4K: 12bit, 1080p: 12bit
<b>Receiver Outputs:</b> 1x HDMI	<b>Power Consumption:</b> Transmitter: 7.3W / Receiver: 8W
<b>HDBaseT Recommended Cable:</b> Cat5e or greater	<b>Power Supply:</b> 1 x 48V @ 0.5A (Transmitter only)
<b>Ethernet Passthrough:</b> Yes 10/100	<b>Wall Mountable:</b> Yes - Bracket Included
<b>Serial Control:</b> RS232 via 3.5mm (adapter required)	<b>Material:</b> Aluminium
<b>IR Control:</b> Bi-Directional	<b>Product Dimensions:</b> 14.8 x 1.3 x 10.5 cm each
<b>HDMI-CEC Control:</b> Full	<b>Product Weight:</b> 0.16 kg each
<b>ARC (Audio Return Channel):</b> HDMI	<b>Operating Temp Range:</b> 0 to +35°C (32 to +95°F)
<b>DSC (Display Stream Compression):</b> Yes	<b>Storage Temp Range:</b> -20°C to 60°C (-4°F to 140°F)
<b>PoH:</b> Yes	<b>Humidity Range:</b> 5 to 90% RH (no condensation)
<b>LED Indicators:</b> Yes	<b>Safety &amp; Emissions:</b> UKCA, CE, FCC, RoHS
<b>Encryption:</b> HDCP 1.4, HDCP 2.2 and HDCP 2.3	<b>Manufactured In:</b> Great Britain by Pulse-Eight



# neo:Pro

## HDBaseT™ HDMI EXTENDER SET



EXTEND 1080P  
UP TO 100M



EXTEND 4K  
UP TO 70M



BI-DIRECTIONAL  
IR



POH  
RECEIVER



5 YEAR  
WARRANTY

### TECHNICAL SPECIFICATIONS

**SKU:** P8-HDBT2-P-EXSET

**Transmitter Inputs:** 1x HDMI

**Transmitter Outputs:** 1x HDBaseT Class C

**Receiver Inputs:** 1x HDBaseT Class C

**Receiver Outputs:** 1x HDMI

**HDBaseT Recommended Cable:** Cat5e or greater

**Ethernet Passthrough:** Yes 10/100

**Serial Control:** RS232 via 3.5mm (adapter required)

**IR Control:** Bi-Directional

**HDMI-CEC Control:** Full

**ARC (Audio Return Channel):** HDMI

**DSC (Display Stream Compression):** None

**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

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

**Power Consumption:** Transmitter: 7.3W / Receiver: 8W

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

**Wall Mountable:** Yes - Bracket Included

**Material:** Aluminium

**Product Dimensions:** 14.8 x 1.3 x 10.5 cm each

**Product Weight:** 0.16 kg each

**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:Lite

## HDBaseT™ HDMI EXTENDER SET



EXTEND 1080P  
UP TO 70M



EXTEND 4K  
UP TO 40M



BI-DIRECTIONAL  
IR



POH  
RECEIVER



5 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 greater

**Ethernet Passthrough:** No

**Serial Control:** No

**IR Control:** Bi-Directional

**HDMI-CEC Control:** Full

**ARC (Audio Return Channel):** No

**DSC (Display Stream Compression):** None

**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

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

**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

## 1-4 HDBaseT™ SPLITTER

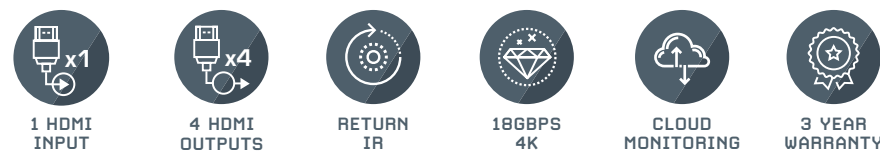


### TECHNICAL SPECIFICATIONS

**SKU:** P8-HDBT-L-SP4  
**Inputs:** 1x HDMI  
**Outputs:** 4x HDBaseT Class B  
**HDBaseT Recommended Cable:** Cat5e or greater  
**Ethernet Passthrough:** No  
**Serial Control:** No  
**IR Control:** Return IR  
**HDMI-CEC Control:** Full  
**Voice Control:** Yes - Alexa Skill  
**IP Control:** Yes  
**Web Interface:** Yes + Android App available  
**Monitoring:** Real Time 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  
**Colour Supported:** 4K: 8bit, 1080p: 12bit  
**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



### TECHNICAL SPECIFICATIONS

**SKU:** P8-HDMI2-SP4  
**Inputs:** 1x HDMI  
**Outputs:** 4x HDMI  
**Ethernet Passthrough:** No  
**Serial Control:** No  
**IR Control:** Return IR  
**HDMI-CEC Control:** 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  
**Colour Supported:** 4K: 12bit, 1080p: 12bit  
**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

# TECH TOOLS

## 1-2 HDMI SPLITTER & DOWNSCALER



## DIGITAL AUDIO OVER CAT5E/6 EXTENDER



### THE TECH TOOLS ETHOS

Unlike other solutions from Pulse-Eight, Tech Tools is not made in-house. Products are sourced from trusted manufacturers around the world to offer a vast array of solutions. This portfolio has been tested and analysed from our British Factory ensuring the best experience for the end user.

### TECHNICAL SPECIFICATIONS

**SKU:** P8-HDMI2-SP2-DS

**Video Inputs:** 1x HDMI

**Video Outputs:** 2x HDMI

**Audio Outputs:** 2

**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

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

**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

**Manufactured In:** Taiwan

HDMI HDCP2.3

### 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 greater

**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:** 7.8 x 2.4 x 6.2 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



### 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:** 6.8 x 2.1 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



Dolby Audio HDMI

## OPTO-COUPLING IR CABLES



### TECHNICAL SPECIFICATIONS

**SKU:** P8-IR-OPTOCABLE

**Total Length:** 1m (other lengths available)

**Input:** IR Output from Control System/B&O TV

**Output:** IR Input to Matrix

**Max Input Voltage on Mono Jack:** 13V

**Max Frequency:** 100kHz

**Supported Control Systems:** Control4, RTI, Elan

**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

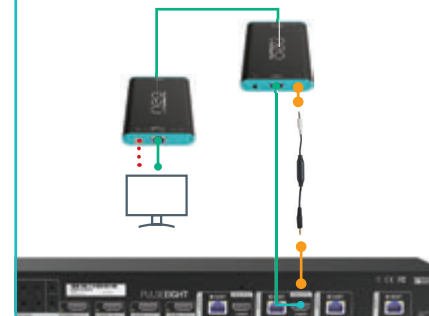
Avoid manually coupling IR transmitter and receiver buds together and provide a secure direct connection between IR control systems, such as Control4 and our neo series of matrices. Our generic Mono to Stereo solution will convert any IR signals between a mono transmitter and a stereo receiver.

#### KEY FEATURES:

- Avoids the requirement to manually couple IR transmitter and receiver buds together
- Provides a secure direct connection between IR control systems, such as Control4 or Elan and our neo series of matrices.
- Converts IR signals between a stereo transmitter and a mono receiver.

### CONCEPT WIRING GUIDES

#### LINK EXTENDER TO HDMI OUTPUT (Stereo > Stereo Variation)



#### LINK MATRIX AND CONTROL SYSTEM (Stereo > Mono Variation)



# CONTROL YOUR WAY



## A WORLD OF CONTROL

We believe the installer and client should be able to select the most appropriate control method to suit their needs. That's why the neo matrix range offers unrivalled video control options.



### CEC

Imagine being able to control of your devices from your original TV remote. Well, CEC control does just that. Forget about the days where you needed 5 remote controls, all you need to do now is use your TV remote and press the "Source" key.



### ALEXA VOICE CONTROL

Want to switch seamlessly from one room to another with just one command? By enabling the neo Alexa skill on your Amazon Echo or Dot you can do just that. Simply say 'Alexa turn off the lounge' followed by 'Alexa turn on the bedroom TV and without lifting a finger, you've switched devices.



### SET TOP BOX IP CONTROL

We've implemented IP control with dynamic forwarding. This means that you can now control set top boxes via CEC. Compatible with Sky HD, Sky Q, Virgin TiVo, Dish Hopper and Kodi, this type of IP based control is the first of its kind and removes the need for any IR control.



### WEB INTERFACE

Our interface is a free function for all neo matrix systems - simply download the Android app or visit [www.gotomymatrix.com](http://www.gotomymatrix.com) to access. With drag and drop source switching plus a virtual remote displaying all the most important functions of a TV remote, the interface controls it all!



### 3RD PARTY CONTROL SYSTEM

Today's most common third party control systems are catered for with free drivers that are free to download from our monitoring portal.

# MONITOR AND TEST



## TOOLS FOR ON AND OFF SITE

We work closely alongside installers to ensure everything runs smoothly and as planned. From time-to-time there may be issues at setup. Therefore, we've refined tests and data listings to help you solve problems whenever they occur.



### WEB INTERFACE

[WWW.GOTOMYMATRIX.COM](http://WWW.GOTOMYMATRIX.COM)

While on-site, our web interface is the one-stop location for the entire setup. Alongside the settings, our interface features intuitive diagnostic tools to not only help during install but also for final testing to give you peace of mind that everything is in order before leaving site.

The interface options and tests include cable link noise test, HDBaseT link test, control setup settings, hardware and network settings and much more.



### CLOUD MONITORING PORTAL

[MONITORING.PULSE-EIGHT.COM](http://MONITORING.PULSE-EIGHT.COM)

Our cloud monitoring portal is the one-stop location to find all the information about your installed systems without needing to visit the site - check up on your installs from anywhere at any time!

From the monitoring portal you can reboot or update the matrix, view temperature history, check system health and current inputs and outputs, download drivers and much more.





neo  
BY PULSEEIGHT

***WELCOME TO  
A NEW WORLD  
OF CONTROL***





A person is shown in profile, working at a computer. The image has a teal color overlay. In the foreground, there is a complex piece of electronic equipment with many ports and cables. The person's hands are on a keyboard. The background shows another computer monitor.

**MADE IN  
BRITAIN**





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