

neo

BY PULSEEIGHT

P8-HDBT-L-FFMB810-KIT TECHNICAL SPECIFICATION

VIDEO DISTRIBUTION WITH BUILT IN CONTROL

Gone are the days of a video matrix just switching video, Pulse-Eight systems are the heart and soul of the modern automated home, providing video instantly where it is needed and contextual feedback to the rest of the home automation system on what the user is doing.

Pulse-Eight's flagship control technology – CEC, allows any TV supporting HDMI-CEC (of which pretty much all TVs now do) to send key presses from the original TV remote through the HDBaseT™ link and the neo:8 will route these messages to the connected source devices (i.e. your Satellite Box or Blu-Ray player).



DESIGNED
BUILT
SUPPORTED
IN THE UK



8X10 HDBaseT MATRIX WITH 2 HDMI OUTPUTS



REMOTE
MONITORING



WEB
INTERFACE



HDBaseT™
DIAGNOSTICS



libCEC



SATELLITE TV
IP CONTROL



WORKS WITH
ALEXA



3 YEAR
WARRANTY

KEY FEATURES

- Ultra HD 4K Video Transmission (upto 340Mhz), 1080p, 3D
- 8 x HDMI Inputs
- 8 x HDBaseT Outputs
- 2 x HDMI Outputs
- Amazon Alexa Voice Control
- HDMI-CEC Bi-Directional Control
- Bi-Directional IR Control
- Responsive Web Interface
- Automatic EDID Management
- Three Year Standard Warranty
- Control System Support



WORKS WITH ALEXA

With the neo Alexa skill enabled on your Amazon Echo or Amazon Dot you can use voice commands to control devices connected to a neo:8 matrix. Fully certified by Amazon, this integration is native to Alexa and requires no configuration.



REMOTE MONITORING

Keep in contact with the matrix at any time, from anywhere with our cloud management service. Simply log into our cloud portal and see helpful diagnosis information to help fix any problems remotely or tell you where issues may have occurred during installation. All of this is free of charge with every matrix! If neo has a problem, we are alerted too and, if required, can contact you to arrange step by step support to get you up and running again.



WEB INTERFACE

Accessing the web interface couldn't be easier, simply enter **www.gotomymatrix.com** in your browser, or download the Android app on any device connected to the same network - this will automatically send you to the web interface and display the right version for your device. It's that straight forward! Through this interface you can switch source devices via the drag and drop interface as well as gaining access the virtual remote control. The web interface enables any user to control the matrix without any technical knowledge needed.



libCEC

Most TVs now support CEC and we are world experts in CEC technology - meaning you can now use your normal TV remote to control and select source devices, even if the source does not support CEC itself as neo will automatically relay the necessary messages to your source device.



DTV/DISH IP CONTROL NEW FOR 2017 Q3

If you are in the know then you might be thinking that DTV/Dish doesn't support CEC? And you would be correct. However we have implemented IP control with dynamic forwarding. This means that you can now control DTV/Dish via CEC! IP Based Dish/DTV Controls is a first for a matrix switch and removes the need for any IR control in your system, removing that annoying weak link in your setup*



BUILT IN BRITAIN

Everything that we design, we manufacture and support ourselves, all from our 12,000 sq ft facility in Poole, Dorset in the UK. Our production team is passionate about perfection and each system goes through an extensive series of quality tests before it's hand packed and shipped to you ensuring what you receive is ready for prime time.



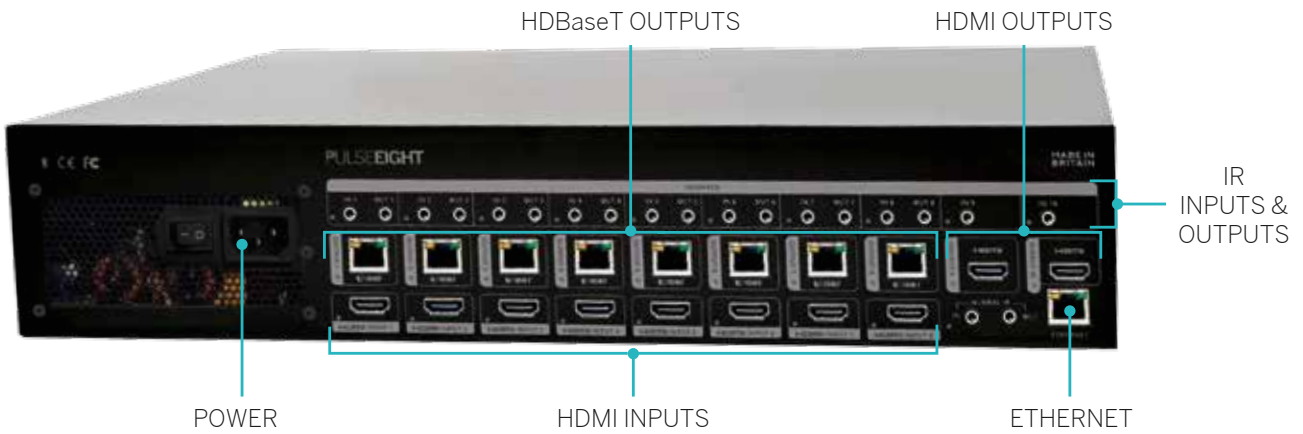
CONTEXTUAL IR

You can easily program the matrix to respond to different IR codes, it's simple to do via our built in web interface. Just point the remote at an IR receiver and press the key. Each key is memorized for you to assign to an account, be it routing video to your display or sending a control message to a connected device. What's more, bi-colour LEDs for each zone indicates the flow of IR signals and the direction of flow.



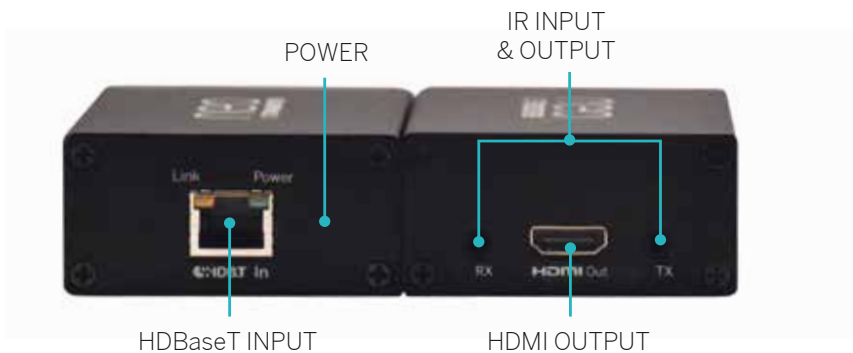
3 YEAR WARRANTY

All of our matrixes come with a free standard 3 year warranty as standard, whereby if at any point during the warranty the unit becomes faulty you can return it back to us for repair. However, you may wish to take advantage of our advanced 3 year warranty or extended 5 year warranty.



neo:8 MATRIX

| | | | |
|--------|--|------------|--------------------------------------|
| Input | 8x HDMI 2.0a 8x IR Receiver | Dimensions | (W) 43 cm / (H) 8.9 cm / (D) 29.5 cm |
| Output | 8x HDBase™ Class B (Lite) 2x HDMI 2.0a 8x IR Emitter | Control | 1x Ethernet (IP Control Port) |



neo:LITE HDBase™ RECEIVERS

| | | | |
|--------|---|------------|-------------------------------------|
| Input | 1x HDBase™ Class B (Lite) 1x IR Receiver | Dimensions | (W) 10 cm / (H) 3.3 cm / (D) 6.5 cm |
| Output | 1x HDMI 2.0a 1x IR Emitter | Weight | 177g |

IN THE BOX

- | | |
|-------------------------------------|---|
| neo:8 Matrix Chassis | Country Specific Power Cord |
| P8-HDBT-L-RX-S 8x neo:Lite Receiver | P8-IRPACK 8x Infrared Blaster Cable Pack |
| Rack Mounting Kit | Installation Guide |
| Power Supply | P8-8REMOTE Context Sensitive 8 Button IR Remote |

TECHNICAL DATA

| | |
|-------------------------------------|--|
| Dimensions (WxHxD): | 43 cm / 8.9 cm / 29.5 cm |
| Material: | Smooth textured powder coated steel |
| Operating Temperature Range: | 0 to +35°C (32 to +95°F) |
| Operating Humidity Range: | 5 to 90 % RH (no condensation) |
| Power Supply: | 1 x IEC C14 Inlet - 100-240V 4.0/2.0A 50/60Hz |
| Power Consumption: | Max 2Amps @ 240V |
| Video Input: | 8x HDMI |
| Clock Speed: | Input: 340Mhz, Output: 340Mhz |
| Video Output: | 2x HDMI and 8x HDBaseT™ Class B (Lite) |
| Colour Supported: | 4K/24bit, 1080p/36bit |
| 3D Supported: | Up to 1080/24p - Frame packing/sequential (Blu-ray), Interlaced stereoscopic (Satellite/cable broadcasts) |
| Additional: | HDMI 2.0a 3840 x 2160p 60Hz YCC 4:2:0 format pass-through |
| Encryption: | HDCP and HDCP 2.2 |
| Supported Video Resolutions: | 720p, 1080i, 1080p (+3D), 4k (30Hz) 4:4:4, 4k (50/60Hz) 4:2:0 |
| Supported Audio Formats: | PCM 2.0, 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 |
| ESD Protection: | ± 8kV (Air-gap discharge) ± 4 kV (Contact discharge) |
| Surge Protection: | IEC 61000-4-4 (EFT Burst) Level 2, IEC 61000-4-5 (Surge) Level 2 |
| Certification: | CE, FCC, RoHS |

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