

## QUICK SETUP GUIDE



## TECHNICAL OVERVIEW

- A System Health LED** Indicates whether matrix is turned on and healthy (green) or if there is an issue present (red).
- B Network LED** Indicates the matrix is connected to the internet through its network link (green) or if there is an issue (red).
- C Cloud LED** Indicates the matrix is able to connect to the Pulse-Eight Remote Monitoring Portal (green) or if there is an issue (red).
- D Power Connector** Power connector with OFF/ON switch. Use supplied power cord to connect the power.
- E IR Receiver and Flasher Ports** Connect as required. The IR Flasher port is to be used to connect input devices to compatible Episode IR Flashers.
- F Audio Outputs** Optical and Digital Coax options for Audio Breakouts.
- G HDBaseT Outputs** Connect an appropriate Cat5e or higher grade cable to each output. These cables should then be connected to a neo Receiver at each device. (TV/Amplifier etc).
- H HDMI Inputs** Connect an appropriate high speed HDMI cable to each input. These cables should then be connected to the Source device. (Bluray player etc).
- I HDMI Outputs** Connect an appropriate high speed HDMI cable to each output. These cables should then be directly connected to each Sink device (TV/Amplifier etc).
- J Reset** Factory reset - please only use when instructed by our customer service team.
- K Ethernet** Connect to network - required for connection to Web Interface, Third Party Control and Cloud Remote Monitoring Portal.

# SETUP GUIDE

## INSTALLING IN A RACK

1. Attach the rack ears to the front sides of the matrix using the provided screws.
2. Install into rack and connect cabling according to mode of operation – as described below.

**WARNING:** To prevent damage, it is important to ensure adequate ventilation space on the sides of the matrix, especially around the ventilation openings on the side of the product enclosure.

## CONNECTING THE VIDEO INPUTS

3. Connect HDMI cables from your video sources (e.g. Blu-ray player) to the HDMI inputs of the matrix.

*Note: It is recommended, for ease of setup, to connect devices from in order from Input 1 to Input 6.*



4. If required, connect a compatible IR Flasher over the source device's IR window and attach to the 'IR Flasher' port.

*Note: Ensure that the IR Flasher is connected to the same zone as the source device's HDMI input (i.e. HDMI input 3 and IR 3)*



## CONNECTING THE HDBaseT VIDEO OUTPUTS

5. Connect an appropriate Cat5e or higher grade cable to each HDBaseT output port you require.

*Note: It is recommended, for ease of setup, to connect devices from Output 1 to Output 4, although this is not necessary.*



6. Complete the connection by attaching the other end of the Cat cable to a supplied neo:UltraSR Receiver's 'HDBaseT In' port. The receiver should be situated at the output end (ie. TV).



7. Attached a compatible Episode IR receiver into the neo:UltraSR Receiver's IR RX port and attach the bud to the sink device.



8. Finish the connection using an appropriate high speed HDMI cable from the output device and connect to the Receiver's 'HDMI Out' port.

## CONNECTING THE HDMI VIDEO OUTPUTS

9. For Output ports 5 and 6, connect sink devices directly via high speed HDMI cables.

*Note: Can also be used in conjunction with a neo HDMI Extender Set (sold separately) for reaching extended distances.*



## CONNECTING THE AUDIO OUTPUTS

10. If you wish to use the Audio outputs, please connect cables to the relevant output - each output zone features Optical and Digital Coax options.

*Note: The audio outputs allow matrixing, please refer to the full manual to find out more.*



## CONNECTING TO NETWORK

11. Connect a standard Ethernet cable (Category 5e/6/7) from the matrix's 'Ethernet' port to your router or a network switch.

*Note: Network connection is required for supporting full control/remote monitoring features of the product.*



## TURNING ON THE MATRIX

12. Insert the supplied power cord and plug into the AC mains.
13. Turn ON the power switch.
14. As it powers ON, the front panel LEDs (System Health, Network, Cloud) will illuminate momentarily before it begins its initialisation sequence.

*Note: The initialisation process takes between 20 seconds and 2 minutes. However, it is possible that a firmware update may be available the first time the unit is powered ON - in this instance the matrix may take longer to initialise. If both the System Health and Network LEDs flash (orange/green) quickly together then a firmware update is being applied. Please wait and do not disconnect the power until this update has completed.*

15. Once initialisation has been completed, the System Health, Network and Cloud LEDs should all appear ON (green).
16. You are now ready to setup the matrix using the web interface. Please follow the steps in the 'Connecting to Admin Web Interface' section.

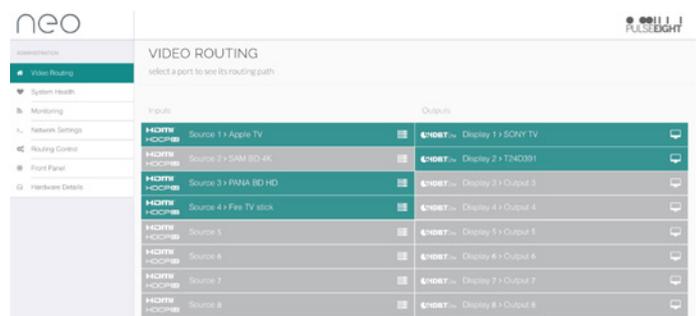


## CONNECTING TO ADMIN WEB INTERFACE

17. Using a computer connected to same router/network, access and login to the Web Interface by visiting [www.gotomymatrix.com](http://www.gotomymatrix.com) in your web browser.
18. Activate the administrative rights by clicking on the **Cloud Connection** tab on the left hand nav, then click on the **[Admin]** link at the foot of the page. The default password is **'admin'**.



19. Whilst on the **Cloud Connection** page, insert your Installer ID into the box and save changes - this will enable the matrix to be linked to your monitoring account.



20. Within this interface are many setup options - please refer to the full installation guide for further details.

Please download the full Installation Guide for further details and a comprehensive web interface guide, available at: [www.pulse-eight.com/manuals](http://www.pulse-eight.com/manuals)

## MONITORING PORTAL

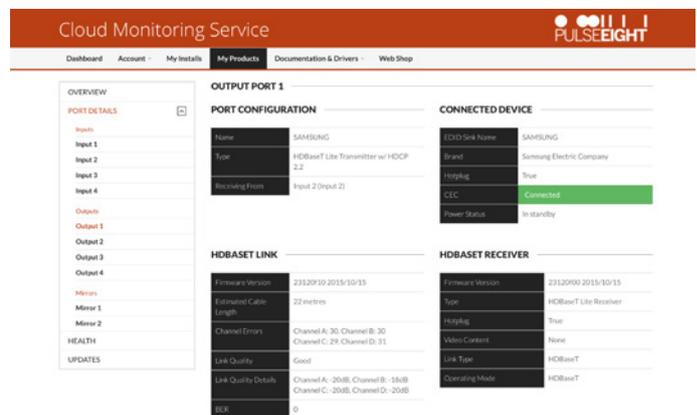
The Pulse-Eight Cloud Monitoring Portal is designed to enable you (the installer) to check and diagnose minor issues without requiring a site visit.

Once a matrix is linked to an Installer ID, the matrix will be visible on the monitoring portal.

- The Monitoring Portal also features:
- Latest documentation
  - Further technical resources
  - 3rd party control drivers

Please visit <http://monitoring.pulse-eight.com> and login.

If you do not have a login or Installer ID, then please contact your Pulse-Eight sales representative who will be able to help.



## SAFETY PRECAUTIONS

**Please read instructions before attempting to install or operate this equipment.**

**Please keep the following in mind as you unpack and install this equipment:**

- This video matrix uses a 12V board for use with 12V IR transmitter/receiver. These are not compatible with 5V video matrices. Mixing/matching them could cause irreparable damage. Please see the IR RECEIVER & TRANSMITTER section of the full manual for more information and Product Description of compatible transmitters/receivers.
- Always follow basic safety precautions to reduce the risk of fire, electrical shock, and injury.
- To prevent fire or shock hazard do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Where possible, install the matrix towards the top of the rack to avoid the unit overheating.
- Only use the supplied IEC cable.
- Never push any objects into this product through any openings or empty slots in the unit as you may damage parts inside.
- Do not allow anything to rest on the power cabling and avoid putting weight of any kind on it.
- To protect the unit from overheating do not block any vents or openings in the unit housing that provides ventilation. Allow sufficient space for air to circulate around the unit.

## VENTILATION

It's important when installing a Pulse-Eight video or audio matrix to keep the products ventilated.

Video and audio matrices will generate heat. A well-ventilated area helps to disperse the heat. If placed in a poorly ventilated area, your equipment may heat up and cause minor irreparable damage to the circuitries. Allowing systems to run for prolonged periods under high temperatures will break down circuitry and chipset. This also applies if the device is left in the path of direct sunlight or near any heat source.

Dust tends to accumulate and this will disrupt the fan and electronics system. Dust particles contain various compositions such as water, oil and other minerals or chemicals. Having them in your electronic device can sometimes cause a signal error or degradation to various chips and circuitries. Because we cannot accurately predict how or when they can affect your device, we highly recommend that you keep Pulse-Eight products not only in a well-ventilated area but also as clean as possible.

In very rare cases, certain insects or reptiles can make nests near or inside the electronic casing. Whilst we design our products to maximise the protection of the internal circuitry please be aware that insects and reptiles are drawn to these types of habitats. . In the unlikely event this does happen, this will lead to poor ventilation inside the unit and it will be unable to disperse heat.

Finally, whenever possible, do not stack audio and video matrices together. Leave enough space in between each unit in order to provide good airflow.

**Please download the full Installation Guide for further details and a comprehensive web interface guide, available at: [www.pulse-eight.com/manuals](http://www.pulse-eight.com/manuals)**

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