Pulse-Eight Neo Matrix

The Most User Friendly Operating System on the Market





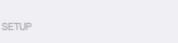
Neo Matrix Products are Made in the UK

neo

ONTROL

Video Routing

- System Health
- Monitoring



- >_ Network Settings
- Routing Control
- Front Panel
- Hardware Details

Help & Support





NEO is IP Based and WiFi Enabled

Type into your Browser *gotomymatrix.com*

← → C 🗋 192.168.0.100			☆ 🛆 🗈 ≡
NGO			PULSEEIGHT
CONTROL	VIDEO ROUTING		
# Video Routing			
SUPPORT	Inputs	Outputs	
S Monitoring	HDCP22 Source 1 > Sam Stargate	CHDBTUte Display 1 > SONY TV	
	Homi HCP22 Source 2 > Tosh Batman	CHDBT its Display 2 > Output 2	/ =
	For Source 3 > Input 3	CHDBT _{Lite} Display 3 > Output 3	
	Horea Source 4 > Input 4	CHDBT Uter Display 4 > Output 4	
	Here is an example of th	ne opening screen	
These are th	he attached sources	These are the attached di	splays

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With NEO, CEC is Compatible Across All Brands

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NGO			PULSE EIGHT
CONTROL	VIDEO ROUTING		
Video Routing			
SUPPORT	Inputs	Outputs	
Monitoring	HDCP22 Source 1 > Sam Stargate	CHDBT Lite Display 1 > SONY TV	
	Hon Source 2 > Tosh Batman	CHDBT Lite Display 2 > Output 2	
	HORP22 Source 3 > Input 3	CHDBT Lite Display 3 > Output 3	
	Home HDCP2 Source 4 > Input 4	CHDBTute Display 4 > Output 4	
	Here a Samsung DVD is showing Stargate and a Toshiba DVD is showing Batman	Displayed on a Sony TV	
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Source Changing – Simply Drag and Drop

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NGO			PULSEEIGHT
CONTROL	VIDEO ROUTING		
# Video Routing			
SUPPORT	Inputs	Outputs	
Monitoring	HDCP22 Source 1 > Sam Stargate	CHDBT Lite Display 1 > SONY TV	=
	Horea Source 27 Tosh Batman	CHDBTLite Display 2 > Output 2	
	HOMI Source 3 > Input 3	CHDBT⊔te Display 3 > Output 3	
	Hore 4> Input 4	CHDBTute Display 4 > Output 4	
		And drop it to here	
	To change the source all the customer		
	has to do is drag the source		
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Turn Any Smart Phone or Tablet Into a TV Remote

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NGO		PULSE EIGHT	
CONTROL	VIDEO ROUTING		
Video Routing			
SUPPORT	Inputs	Outputs	
Monitoring	HDCP22 Source 1 > Sam Stargate	CHDBTLite Display 1 > SONY TV	
	Horea Source 2 > Tosh Batman	CHDBT Display 2 > Output 2	
	HOMI Source 3 > Input 3	CHDBT⊔te Display 3 > Output 3	
	Homi Source 4 > Input 4	CHDBTute Display 4 > Output 4	
	© 2016 PULSE-EIGHT All rights reserved	Just Click Display/TV Icon to Open Neo's Remote	

← → C 🗋 192.168.0.100

Here is Your Remote Control for That TV

And you now have a Remote Control on your Smart Phone or Tablet

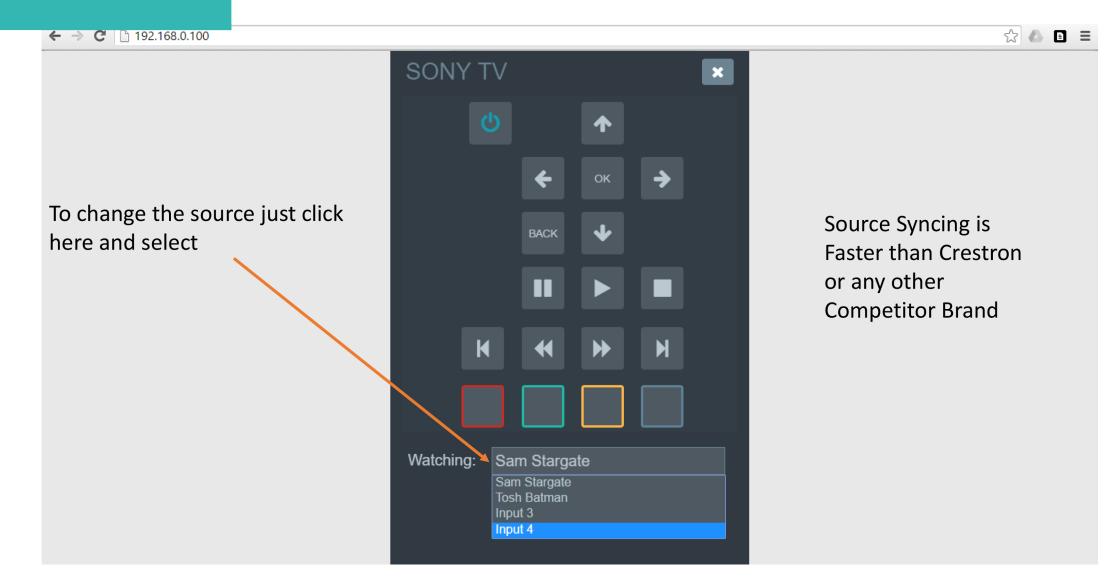
SONY TV				×
		1		
	←	ок	⇒	
	BACK	≁		
K	•	*	M	
Watching: Sa	m Starga	ate		

This scales perfectly to any hand held device. I-Phone, Tablet,... Both Apple and Android

☆ 🖉 🖻 😑

Great for Sports Bars and Large Volume TV Venues!!

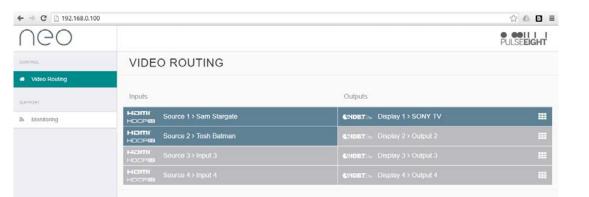
Source Image will Switch Immediately – No Delays



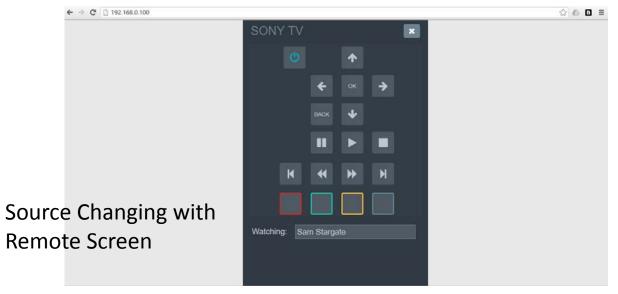
NEO's Remote Monitoring Interface

← → C 🗋 192.168.0.100/mon	it.htm		x 🛽 🗉 🗉
NGO			PULSE EIGHT
CONTROL		d act patified automatically if a problem	~
Video Routing	occurs	d get notified automatically if a problen	1
SUPPORT	Serial	P8SN1104798	
Monitoring	System Status Last Monitoring Pulse Sent	Healthy Thu Jun 02 2016 08:07:48 GMT+0100 (GM Send Monitoring Pulse Now	T Daylight Time)
	To check the health Simply, Click here	of your system	Neo will tell you if anything needs to be checked or if system is healthy.
	© 2016 PULSE-FIGHT All rights reserved [Admin	1	

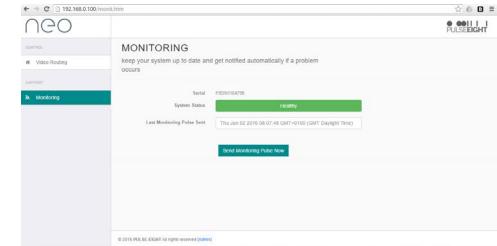
Recap of Neo's Customer/End User Interface



Input/Output Overview with Drag & Drop



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System Performance Monitoring

Installer/Integrator "Admin" Interface

← → C 🗋 192.168.0.100/mon	it.htm	☆ 🛆 🗈 ≡
NGO		PULSE EIGHT
CONTROL	MONITORING	
Video Routing	keep your system up to date and get notified automatically if a problem occurs	
SUPPORT		
Monitoring	Serial P8SN1104798 System Status Healthy	
	Last Monitoring Pulse Sent Thu Jun 02 2016 08:07:48 GMT+0100 (GMT Daylight Tin	ne)
	Send Monitoring Pulse Now	
		e Admin Interface, simply min button and insert your er code
	© 2016 PULSE-EIGHT All rights reserved [Admin]	

The Admin Interface Provides In-Depth Analysis

←	→ C 192.168.0.100/admin	n/index.htm			☆ 🛆 🗉 =
ſ	100			PL	ILSEEIGHT
0.076530	Video Routing	VIDEO ROUTING select a port to see its routing path			
ه ه	System Health Monitoring	Inputs		Outputs	
>_	Network Settings	Hocpea	=	CHDBT Display 1 > SONY TV	-
¢¢	Routing Control	Hore Source 2 > Tosh Batman		CHDBT Display 2 > Output 2	
•	Front Panel Hardware Details	Homi Source 3 > Input 3		CHDBT _{Dte} Display 3 > Output 3	Ţ.
~		Hore Source 4 > Input 4		CHDBT	
L	Help & Support			HDCP22 Mirror Display 1 > Mirror 1 (Mirroring Output	1) 📮
	The	Admin Menu Options		HDCP22 Mirror Display 2 > Mirror 2 (Mirroring Output	2) 📮
		© 2016 PULSE-EIGHT All rights reserved [User]			

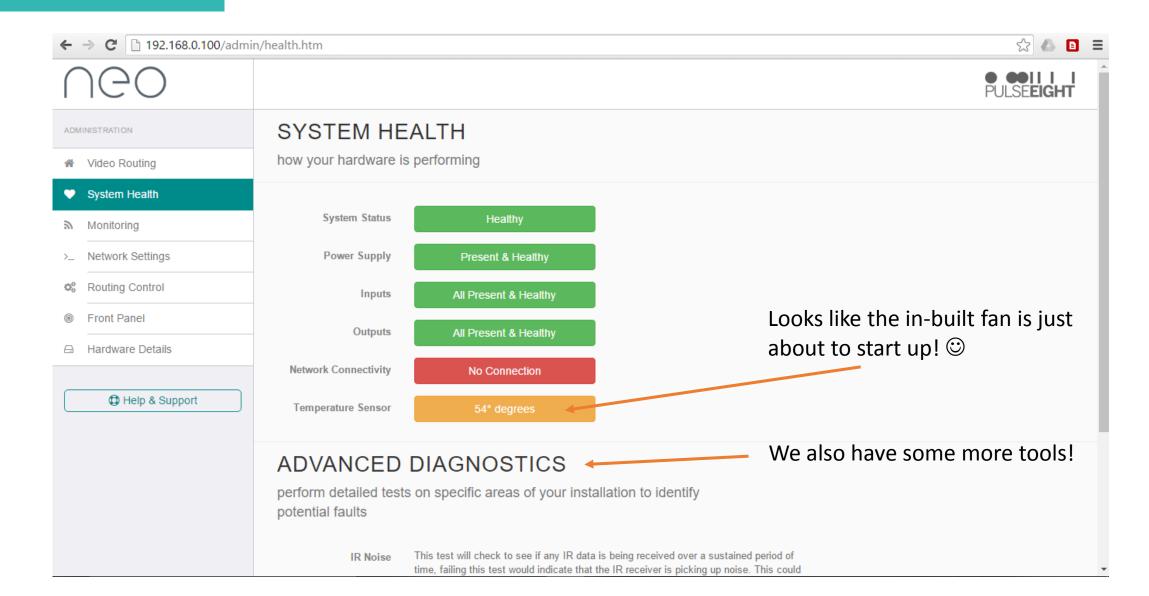
You can Change the CEC Device Labels/Names

NGO		Source 1		×	PULSI	DII I I Eeight
CONTROL	VIDEO ROU select a port to see it:	Name	Sam:Stargate	EDID Details		
System Health Monitoring	Inputs	Power Status EDID Profile	On Default (Lowest Common Denominator)	[Recommended]		
SETUP	Source 1 > 5				> SONY TV	
>_ Network Settings	Source 2>		Ci	ose Save changes	> Output 2	
© Routing Control	Source 3> In			Display		
Front Panel	Source 4 > In	put 4				
Hardware Details					Display 1 > SONY AVSYSTEM (Mirroring Output 1)	Ģ
Help & Support				Mirror D)isplay 2 > Mirror 2 (Mirroring Output 2)	
	© 2015 PULSE-EIGHT All rights res					

NEO Makes it Easy for Control System Programming

• → C 🗋 192.168.2.189/in	dex.htm			22
NGO				PULSE EIGHT
ONTROL	SOURCE 1 EDID DE	TAILS		X
Video Routing	Advanced EDID Information			÷ •
System Health	EDID V. I			
Monitoring	EDID Version Monitor Name	1.3 Video Matrix		
ETUP	Vendor Model	PUL 0		
_ Network Settings	Image Size Colour Formats	53 x 30 cm RGB 4:4:4, YCrCb 4:2:2, YCrCb 4:4:4		
Routing Control	Max TMDS Rate Max Video Quality	225Mhz		
Front Panel	Supported Resolutions	4:4:4, 30 bit colours, 36 bit colours, Al • 480p	• DMT0659	
Hardware Details		 720p 480i 1080p 576pH 	 480pH 1080i 480iH 576p 	
Help & Support .168.2.189/index.htm#		 1080i25 576i 1080p24 720p24 1360x768@85.50 1920x1080@148.50 1920x1080@60 	 720p50 576i 1080p50 1080p30 720p30 1280x720@74.25 1920x540@74.25(l) 1920x1080@60(l) 	
	IMG_8372.MOV			Show all downloads

NEO Provides Detailed Real-Time Monitoring of the System



Advanced Diagnostics

← → C 🗋 192.168.0.100/admin	n/health.htm		公 🛆 🗈 🗉
NGO			O OOIIII Pulse eight
 Front Panel Hardware Details Help & Support 	Outputs Network Connectivity Temperature Sensor	All Present & Healthy No Connection 54° degrees	Have you ever had an installation lock out due to too much I/R noise in the System? Here we can check that.
		DIAGNOSTICS s on specific areas of your installation	to identify Click Start Test
	IR Noise	This test will check to see if any IR data is being time, failing this test would indicate that the IR re be from a Plasma TV or a faulty right fitting Start Test	
	HDBaseT™ Link Quality	This test will check to see the HDBaseT link is st	able over a sustained period of time.
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Advanced Diagnostics

IR Test in Progress

← → C 🗋 192.168.0.100/adm	nin/health.htm			☆ 🙆 🔳 🚍
NGO		IR Noise	e Test	PULSE EIGHT
Front Panel Hardware Details	Network Cc	Test Time Output 1	Remaining: 00:02:36	This will now run a system wide test to check if everything is ok. If
Help & Support	Temperatu	Output 2 Output 3		it see's too much I/R on an output it will turn Red
	ADVAI perform de potential fa	Output 4	Cancel	This could mean that you may need to move the I/R Receiver
		IR Noise	This test will check to see if any IR data is being received over a sustained period of time, failing this test would indicate that the IR receiver is picking up noise. This could be from a Plasma TV or a faulty light fitting Start Test	in that zone
	HDBase	eT™ Link Quality	This test will check to see the HDBaseT link is stable over a sustained period of time.	
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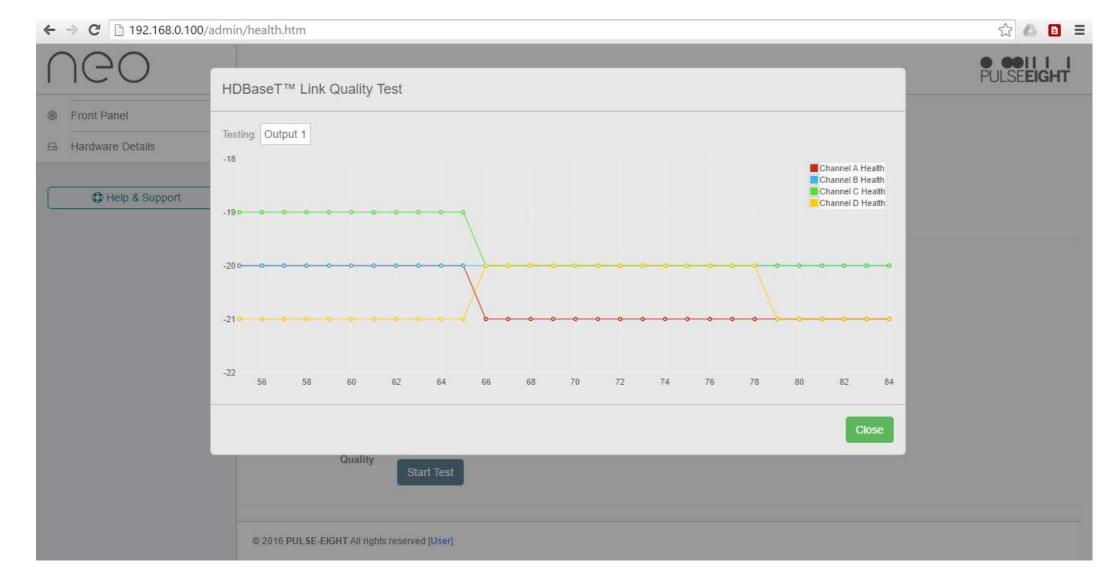
Advanced Diagnostics

HDBaseT Link Quality Test

← → C 🗋 192.168.0.100/admin/health.htm				
NGO				PULSE EIGHT
 Front Panel Hardware Details Help & Support 	Outputs Network Connectivity Temperature Sensor	All Present & Healthy No Connection 54° degrees		Would you like to check the status of your HDBaseT link over a
	ADVANCED DIAGNOSTICS perform detailed tests on specific areas of your installation to identify potential faults		period of time? Maybe the customer has reported an intermittent fault?	
	IR Noise		is being received over a sustained period of he IR receiver is picking up noise. This could ng If so click here	
	HDBaseT™ Link Quality	This test will check to see the HDBaseT kink is stable over a sustained period of time.		
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HDBaseT Link Quality Test

This will now run a signal to noise ratio test of the HDBaseT link over a sustained period of time. If there's a sudden power spike then you should see it.



NEO Drivers For Control Systems

Neo has open API which can be found on the Cloud Monitoring Website: <u>monitoring.pulse-eight.com</u>

NEO Matrix's Can Be Controlled By I/R, RS232 and IP You Can Download Our Free Drivers For The Following Brands







For Additional Drivers Just Contact Our Support Team



NEO's WARRANTY

All our Matrix Products Come with a 3 Year Warranty.





Should Something Go Wrong in This Time Then Just Return It To Your Point Of Purchase For Repair

Pulse-Eight Provides Live Tech Support from USA and UK