

GrandMA3 OSC Guide

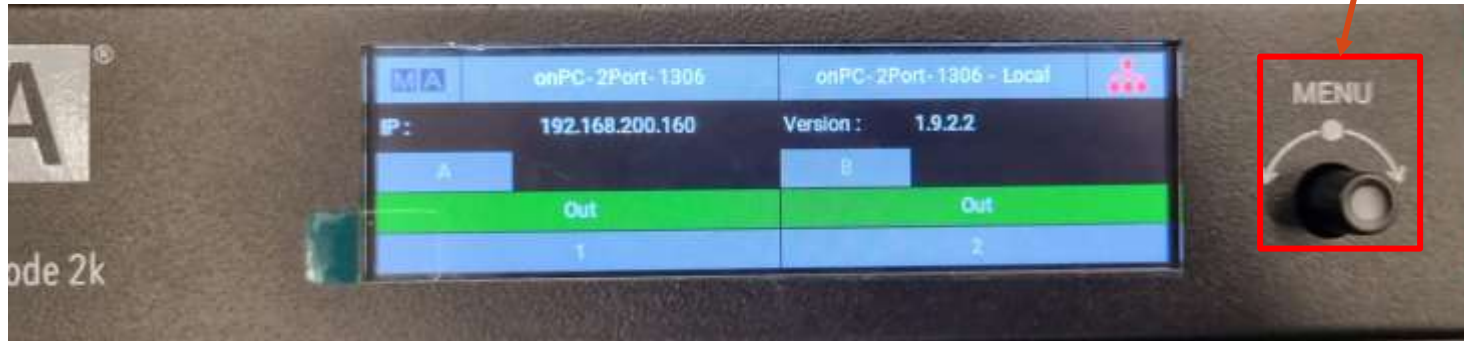
2 Port Node Configuration(MA3) Hardware Configuration

- If you're using GrandMA3 Command Wing, please skip to Pg. 17

Configuring 2 port node(MA3) - Setup Hardware

Step 1.1:

1) Press on the knob to select "Menu"



Configuring 2 port node(MA3) - Setup Hardware

Step 1.2:

2) Press on the knob to select "Network"

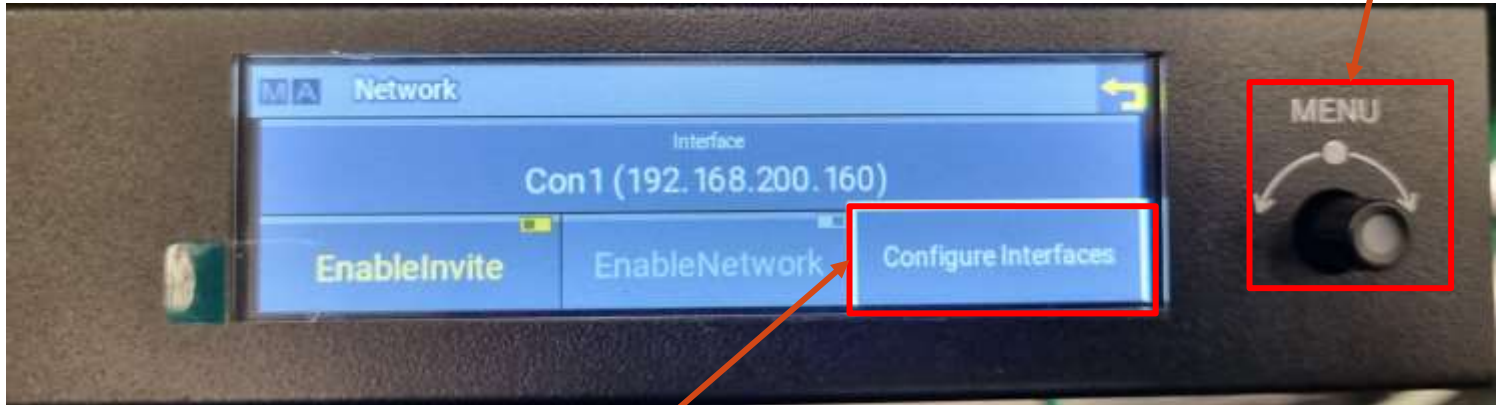
1) Use the knob and scroll to "Network"



Configuring 2 port node(MA3) - Setup Hardware

Step 1.3:

2) Press on the knob to select "Network"



1) Use the knob and scroll to "Configure Interfaces"

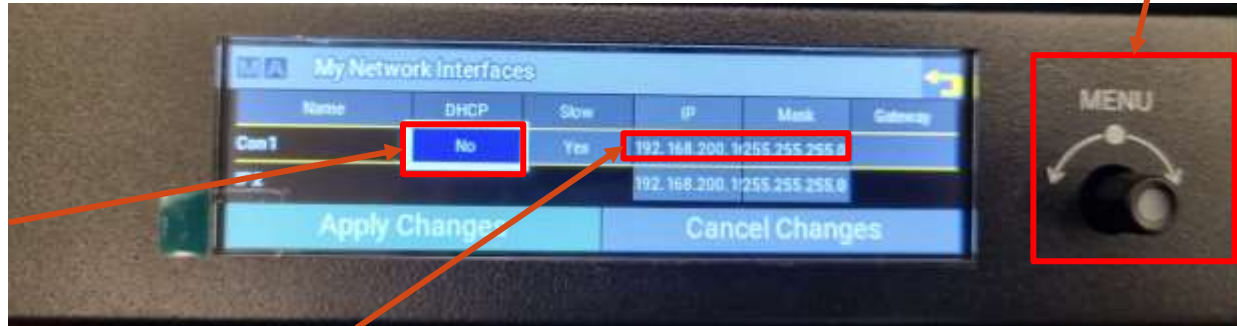
Configuring 2 port node(MA3) - Setup Hardware

Step 1.4:

- 2) Press on the knob to change 'Yes' to 'No'
- 4) Press on the knob to select "IP"

1) Use the knob and scroll to "DHCP"

3) Use the knob and scroll to "IP"



Configuring 2 port node(MA3) - Setup Hardware

Step 1.5:

2) Press on the knob to enter the number

1) Use the knob and scroll to the numbers



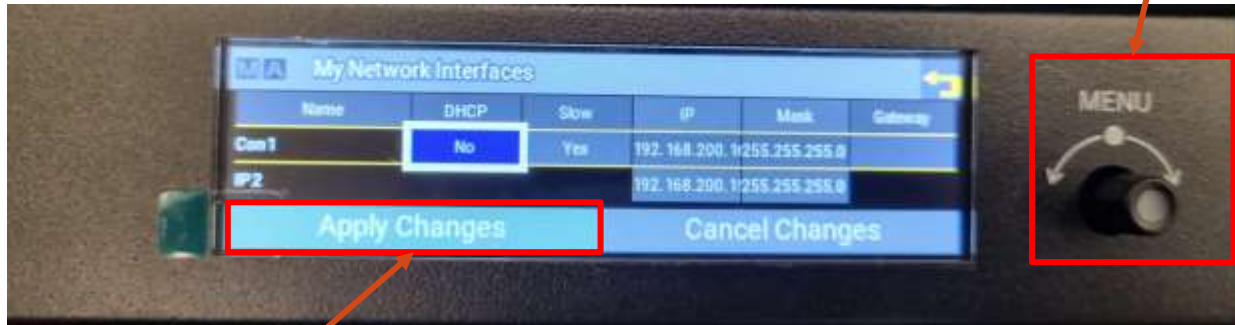
3) Repeat 1) & 2) until you have your ip address

4) Press 'Please' save the setting

Configuring 2 port node(MA3) - Setup Hardware

Step 1.6:

2) Press on the knob to select “Apply Changes”



1) If all the settings are satisfactory, scroll to “Apply Changes”

2 Port Node Configuration(MA3) Software Configuration

-Not needed if you're using the command wing

Configuring 2 port node(MA3) - open application

Step 2.1:

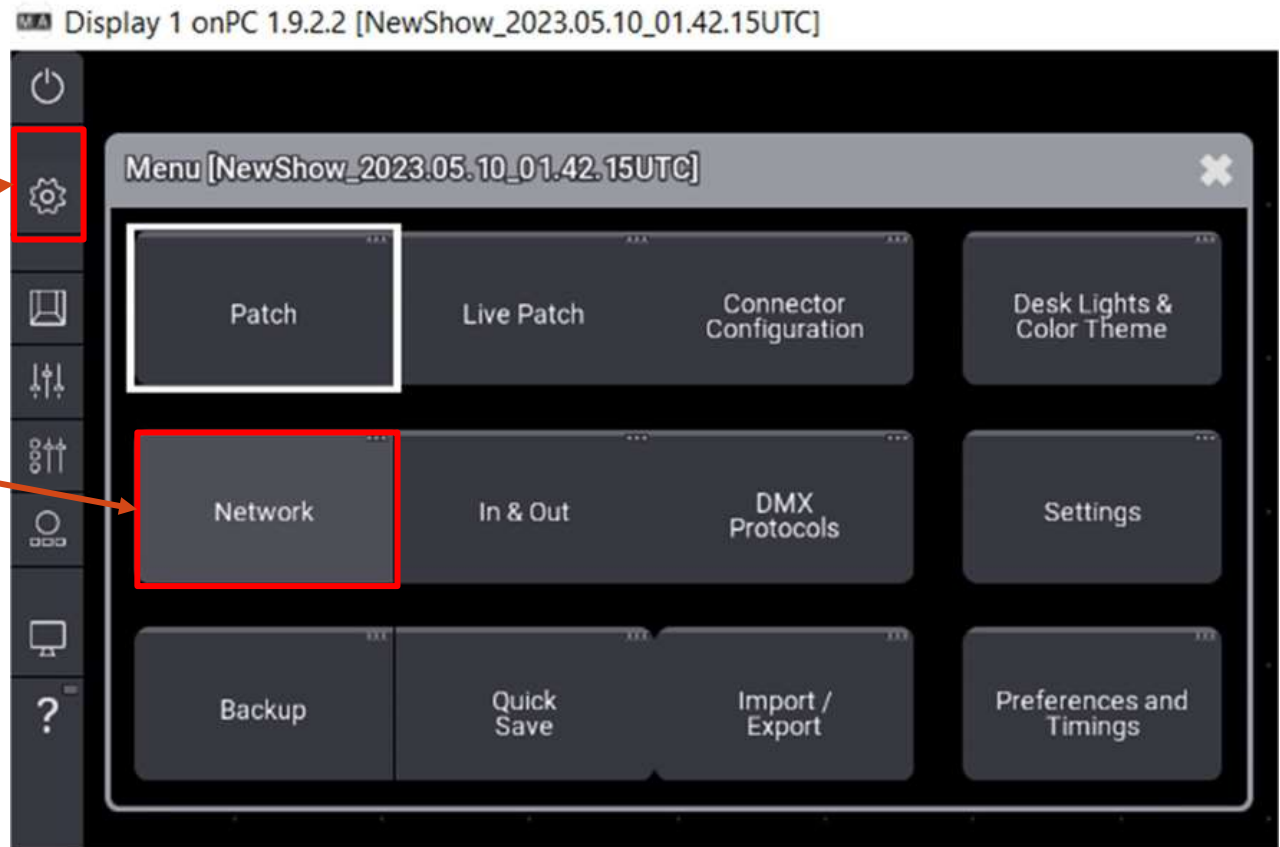


- 1) Select “grandMA3 onPC” on your windows

Configuring 2 port node(MA3) - Network Config

Step 2.2:

1)Select "Menu"



2)Select "Network"

Configuring 2 port node(MA3) - Network Config

Step 2.3:

Display 1 onPC 1.9.2.2 [NewShow_2023.05.10_01.42.15UTC]

Network

Stations	Lock	No	Name	Type	IP	Session	Location	Show File	Status	Prio
S 3 (1)			onPC							
S 1			Laptop-S536 - , Undefined		192.168.200.23	Laptop-S536-A1	Local	NewShow_2023.0	IdleMaster	Normal
S 5 (1)			NetworkNode							
S 1			onPC-2Port-1	onPC2Port	192.168.200.160	onPC-2Port-1306	Local	NewShow	Standalone	Never

1) Select the 2-port Node.
2) Right click on the IP Address to change

3) the 2 port column should turn green

S	1		onPC-2Port-1	onPC2Port	192.168.200.160	Laptop-S536-A1	Local			
---	---	--	--------------	-----------	-----------------	----------------	-------	--	--	--

2) Select "Invite Station"

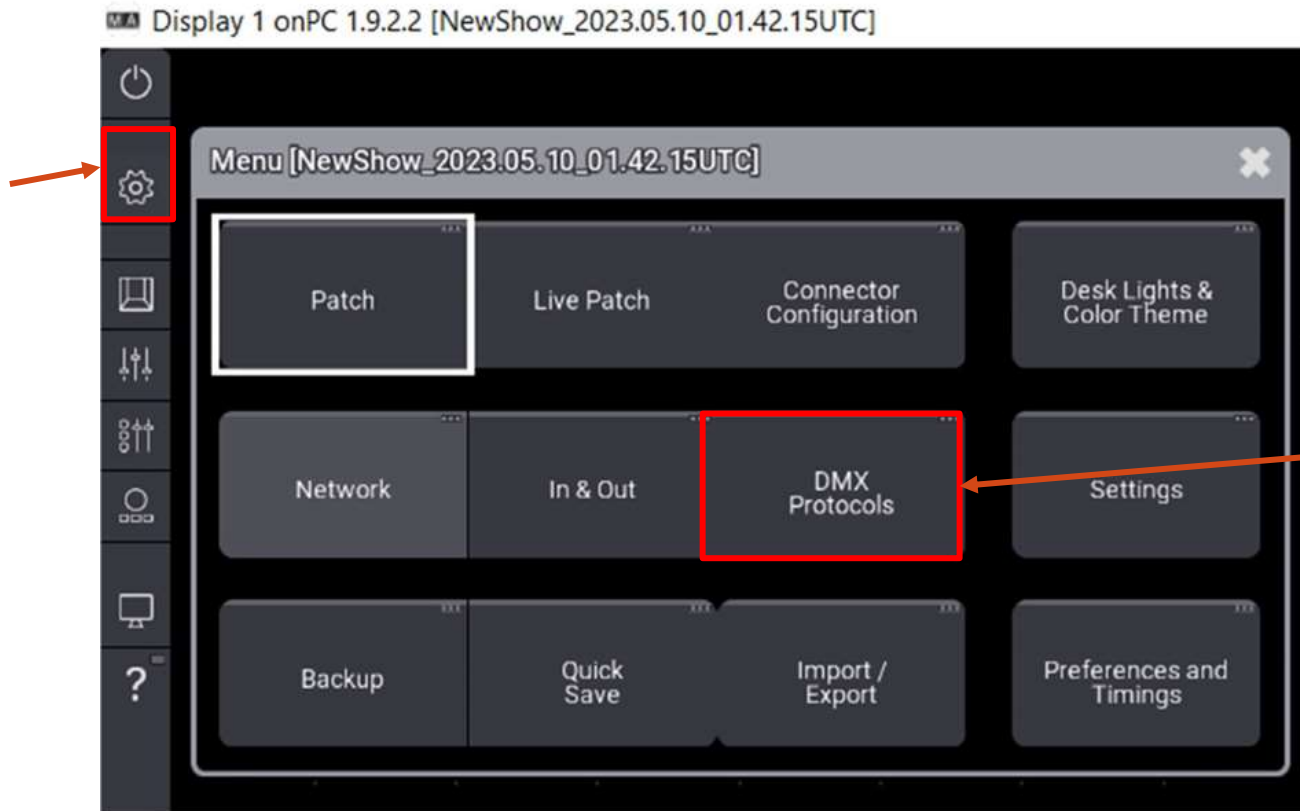
Invite Station

Dismiss Station

Configuring 2 port node(MA3) - DMX config

Step 3.1:

1)Select “Menu”



2)Select “DMX Protocols”

Configuring 2 port node(MA3) - DMX config

Step 3.2:

Display 1 onPC 1.9.2.2 [NewShow_2023.05.10_01.42.15UTC]

Art-Net

Preferred IP: 10.0.0.0/8

Interface: <None>

Enable Output

Enable Input

sACN

1) Select "sACN"

2) Select "Interface"

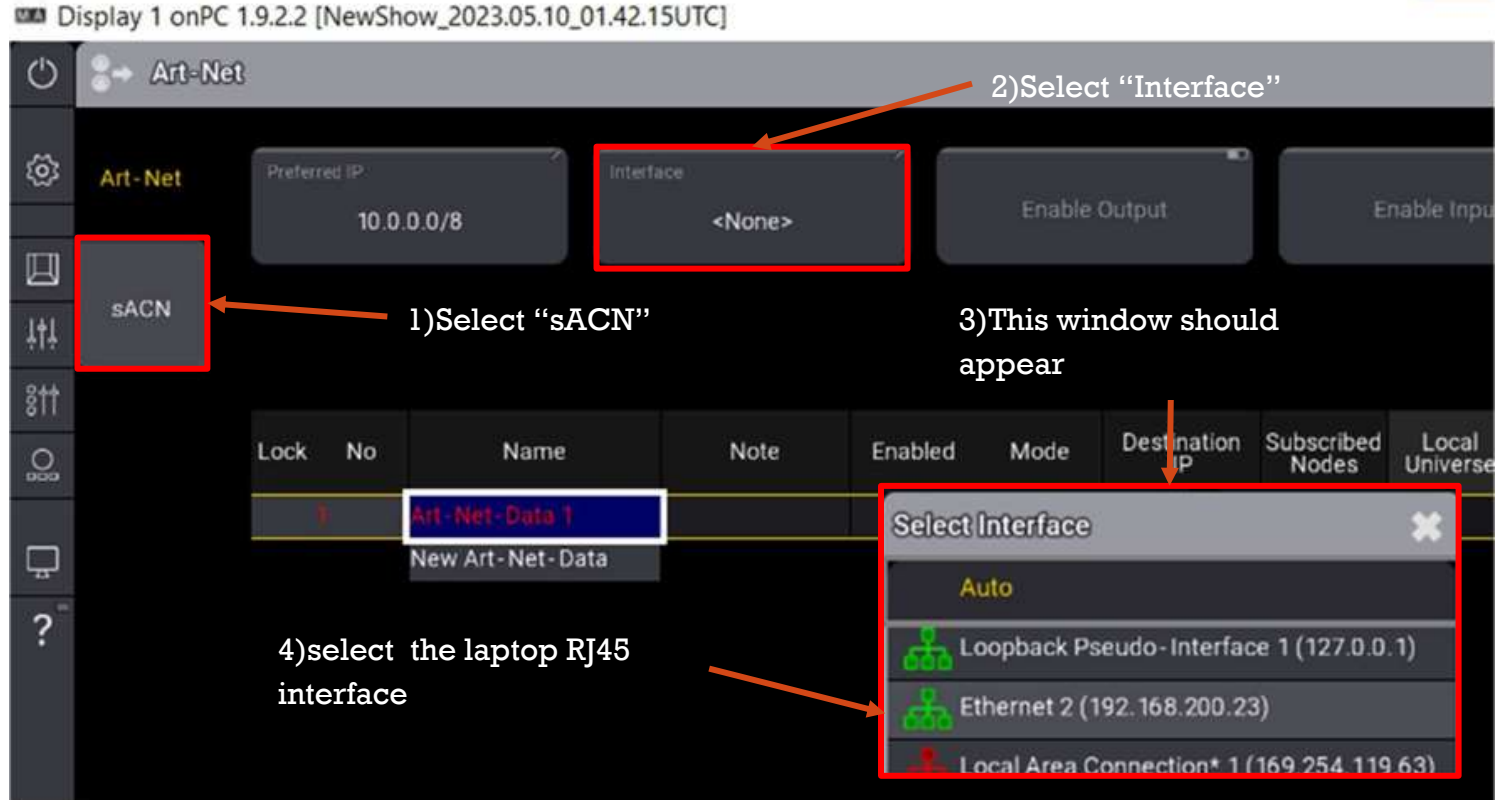
3) This window should appear

Lock	No	Name	Note	Enabled	Mode	Destination IP	Subscribed Nodes	Local Universe
		Art-Net-Data 1						
		New Art-Net-Data						

4) select the laptop RJ45 interface

Select Interface

- Auto
- Loopback Pseudo-Interface 1 (127.0.0.1)
- Ethernet 2 (192.168.200.23)
- Local Area Connection* 1 (169.254.119.63)

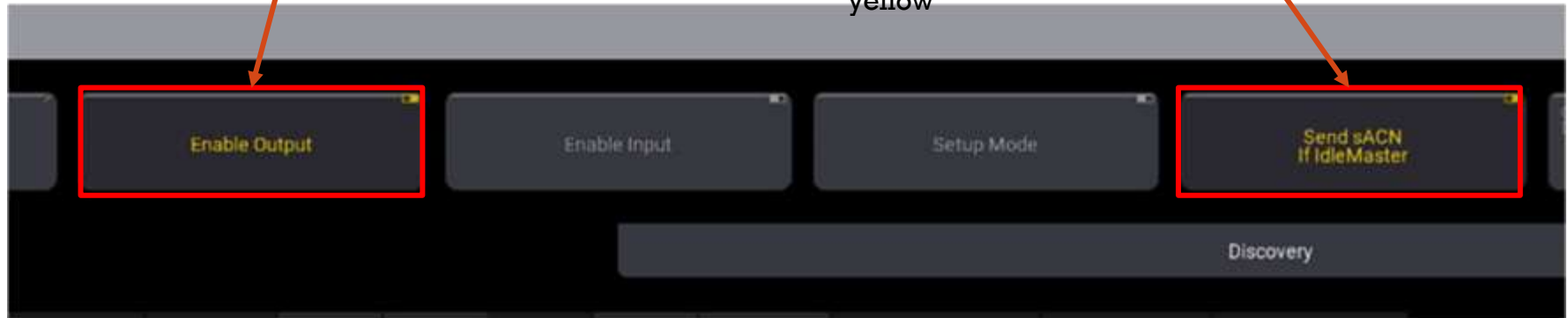
The screenshot shows the 'Art-Net' configuration window. On the left sidebar, the 'sACN' option is highlighted with a red box and labeled '1) Select "sACN"'. In the main area, the 'Interface' dropdown is set to '<None>' and is highlighted with a red box, labeled '2) Select "Interface"'. Below this, a table lists Art-Net data sources. The first entry, 'Art-Net-Data 1', is highlighted with a blue box. An arrow points from the text '4) select the laptop RJ45 interface' to the 'Ethernet 2' option in the 'Select Interface' dialog box. This dialog box is also highlighted with a red box and labeled '3) This window should appear'. The dialog box lists four options: 'Auto', 'Loopback Pseudo-Interface 1 (127.0.0.1)', 'Ethernet 2 (192.168.200.23)', and 'Local Area Connection* 1 (169.254.119.63)'. The 'Ethernet 2' option is the one indicated by the instruction.

Configuring 2 port node(MA3) - DMX config

Step 3.3:

1) Select "Enable Output"
should turn yellow

2) Select "Send sACN If
IdleMaster" should turn
yellow



Configuring 2 port node(MA3) - DMX config

Step 3.4:

1)Right click and set sACN universe to the Luminode universe

Lock	No	Name	Note	Enabled	Mode	Destination IP	Local Universe	Amount	sACN Universe	Priority
1		sACNData 1		Yes	Output Multicast		1	1	2	100
		New sACNData								

2)Set Local to the universe used in the patch list.

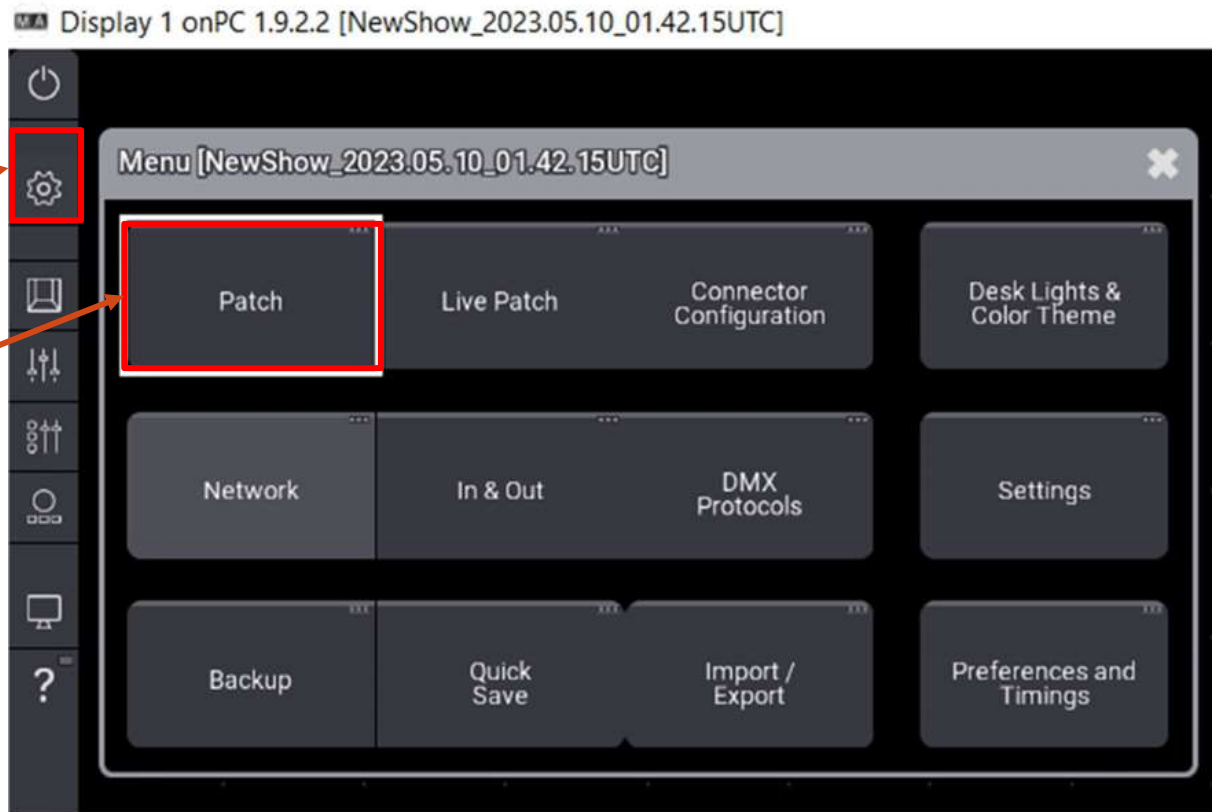
Patching Fixtures(MA3) Software Configuration

Patching Fixtures

Step 4.1:

1) Select "Menu"


2) Select
"Patch"



Patching Fixtures

Step 4.2:

1) Right click on "New Fixture"



	Patch	FID		Name	FixtureType	Mode	Patch	Pan DMX Invert	Tilt DMX Invert	Pan Enc Invert	Tilt Enc Invert
		None		Univ	Universal	1 Default					
Fixture Types		1		MistTCBa 1	2 Mistral TC	2 Extended	2.051				
		2		MistTCBa 2	2 Mistral TC	2 Extended	3.051				
Attribute Definitions		3	▶	MBFXBa 1	3 MagicBlade F2 Extended		3.090				
		4	▶	MiPFXBa 1	4 MiniPanel FX2 Extended		3.017				
Parameter List		5	▶	MBFXBa 2	3 MagicBlade F2 Extended		2.090				
		6		MistTCBa 3	2 Mistral TC	2 Extended	1.051				
DMX Universes		7		VL770 1	5 VL770	1 Mode 0	8.050				
		8		MiniMe 1	6 Robin MiniMe1 Mode 0		9.053				
		9		AB300Sh 1	7 Axcor Beam 32 Standard		9.017				
Stages		10	▶	MiPFXBa 2	4 MiniPanel FX2 Extended		2.017				
		11	▶	MBFXBa 3	3 MagicBlade F2 Extended		1.090				
DMX Curves				New Fixture							

Patching Fixtures

Step 4.3: Display 1 on PC 1.9.2.2 [EGL315 Fixturemanger Draft 1.backu]

2) Search for Fixture

1) Select "Library"

3) Select "Manufacturer"

4) Select "Fixture"

5) Select "Mode"

6) Click "Select"

Manufacturer	Fixture	Mode
Ayrton 3 Fixtures	2 Mistral TC 3 Modes	Basic Grid Footprint: 26, Used: 0
Clay Paky 3 Fixtures	3 MagicBlade FX 3 Modes	Standard Grid Footprint: 38, Used: 0
Robe 3 Fixtures	4 MiniPanel FX 3 Modes	Extended Grid Footprint: 38, Used: 3
Varilite 3 Fixtures		

Patching Fixtures

Step 4.4:

Display 1 on PC 1.8.2.2 (RGB115 Forming Draft 1.0.0.0)

Insert New Fixtures

Fixture Type	Mode	DMX Footprint	Name	Quantity	FID	Patch 1
Mistral TC	Extended	99	MistTCBa 4	1	12	1.001

Del	Backspace		Suggestions	
7	8	9	MistTCBa	MistTCBa 4
4	5	6	Mistral TC	Mistral TC 4
1	2	3	Aydon	Aydon 4
0	Clear		Aydon MistTCBa	Aydon MistTCBa 4

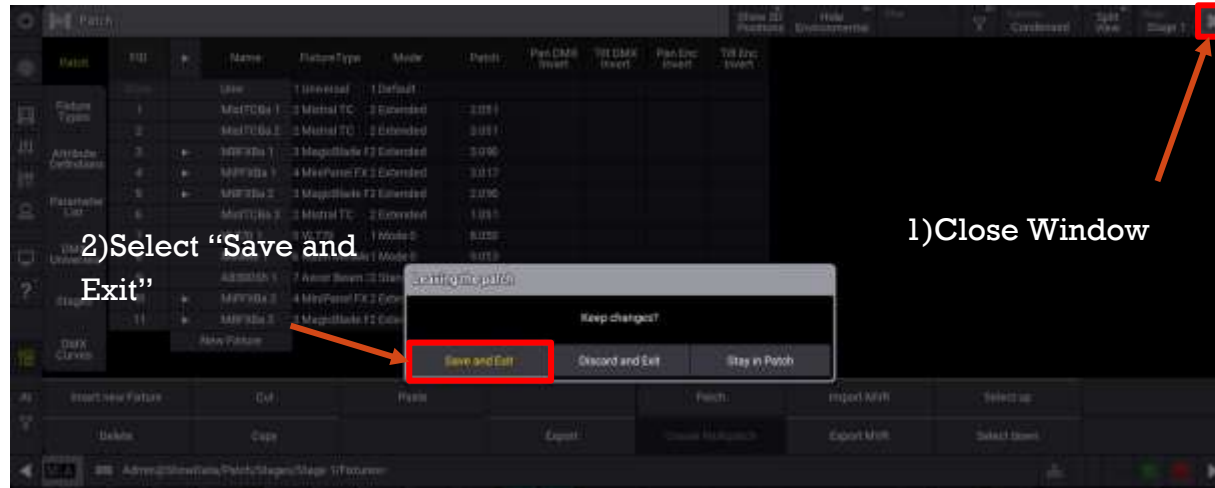
1) Set according to local universe and fixture address

2) Click "Create!"

Create!

Patching Fixtures

Step 4.5:



Creating Cues(MA3)

Creating Sequence and Cues

Step 5.1:



Creating Sequence and Cues

Step 5.2:



Creating Sequence and Cues

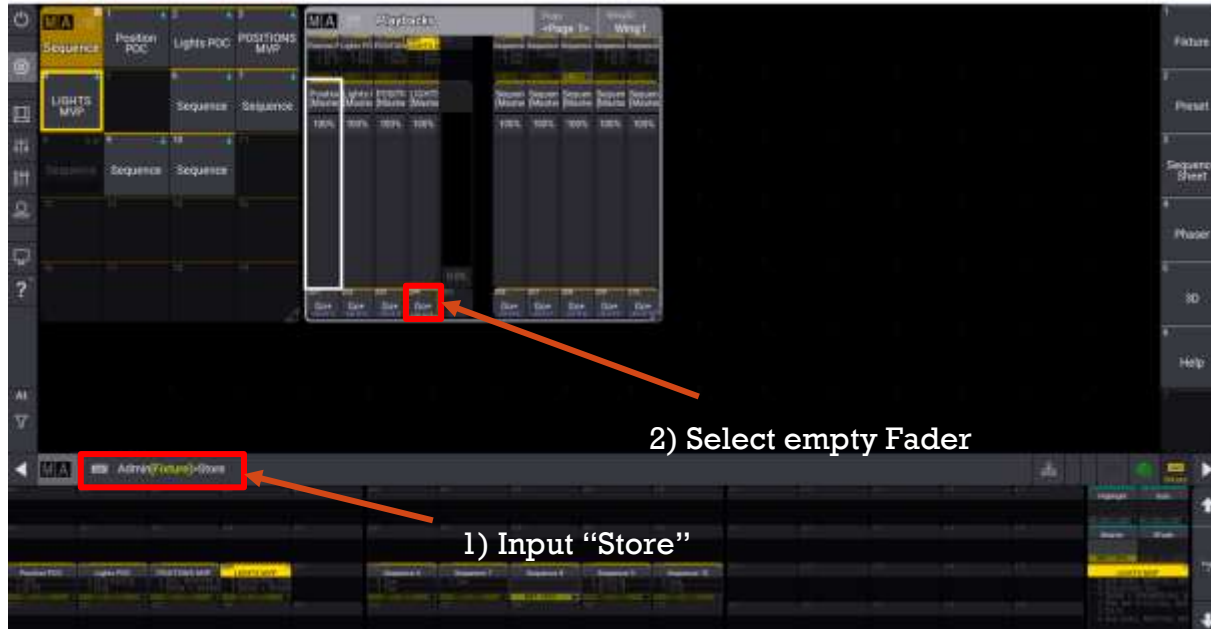
Step 5.3:

The screenshot shows the MTA software interface. The 'Playbacks' window is open, and the 'Playbacks Window Settings' dialog is displayed. The dialog has a 'Display' tab and several buttons: 'Row 400', 'Row 300', 'Row 200', 'Row 100', 'Labels', and 'Executors'. Arrows point from text labels to specific elements in the interface:

- An arrow points from the text '1) Select Playback Settings' to the 'Playbacks' window title bar.
- An arrow points from the text '2.1) Unselect "Row 400"' to the 'Row 400' button.
- An arrow points from the text '2.2) Unselect "Row 300"' to the 'Row 300' button.
- An arrow points from the text '2.3) Unselect "Row 100"' to the 'Row 100' button.

Creating Sequence and Cues

Step 5.4:



Creating Sequence and Cues

Step 5.5:

The screenshot shows a software interface with a top menu bar, a central workspace, and a right-hand sidebar. A dialog box titled "Store to Sequence 5" is open in the center, displaying the text "Please choose store mode". Below this text are four buttons: "Overwrite", "Merge", "Remove", and "Release". A fifth button, "Create second cue", is located to the right of the "Release" button. The "Overwrite" and "Create second cue" buttons are highlighted with red boxes. An orange arrow points from the "Overwrite" button to the text "3) Select 'Overwrite' to override default 1st cue". Another orange arrow points from the "Create second cue" button to the text "4) After creating cue 2, repeat 1) & 2), then select 'Create second cue' to move to next cue". A third orange arrow points from the bottom-left corner of the interface to the text "1) Input 'Store'". A fourth orange arrow points from the top-left corner of the interface to the text "2) Select Sequence". The bottom-left corner of the interface shows a button labeled "Store" and a text field containing "Adrian@Fortune-Store Sequence 5". The right-hand sidebar contains a table with columns "Lock", "No", "Part", "Name", and "Type". The table has five rows of data, including "0", "1", "2", "3", and "4".

2) Select Sequence

3) Select "Overwrite" to override default 1st cue

4) After creating cue 2, repeat 1) & 2), then select "Create second cue" to move to next cue

1) Input "Store"

Creating Sequence and Cues

Step 5.5:

The screenshot displays the MA lighting control software interface. On the left, a grid of buttons includes 'Sequence', 'Position POC', 'Lights POC', 'POSITIONS MVP', and 'LIGHTS MVP'. The 'LIGHTS MVP' button is highlighted with a red box. An orange arrow points from this button to the text '2) Select Sequence (To store cues from cue 3 onwards)'. On the right, a 'Cue List' table is visible, showing cues 0 through 5. Below the table, there are buttons for 'Auto', 'Absolute', 'Relative', 'Fade', and 'Delay'. At the bottom, a red box highlights the 'Admin[Fixture]' button, with an orange arrow pointing to the text '1) Input "Store"'. The bottom of the screen shows a row of buttons for 'Position POC', 'Lights POC', 'POSITIONS MVP', and 'LIGHTS MVP'.

2) Select Sequence (To store cues from cue 3 onwards)

1) Input "Store"

Lock	No	Part	Name	Type	Trig
	0		CueZero		
	1	0	[SIGN + SPEAKER/ALL	Go	0
	2	0	[FM MP C/4.21/ALL	Go	0
	3	0	[22.1]	Go	0
	4	0	[mb b/ALL MVP/ALL	Go	0
	5	0	[Circle/Pan Sin]	Go	0

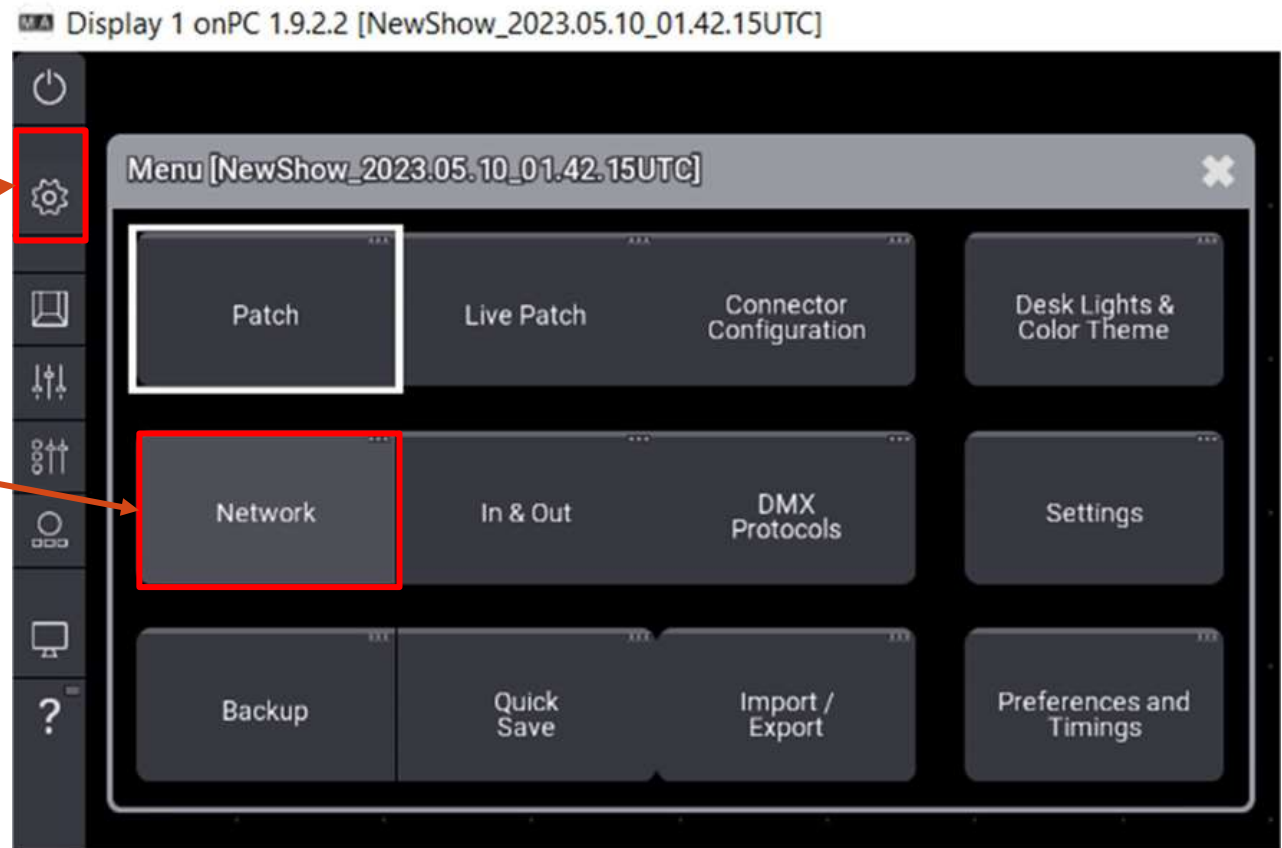
OSC Configuration(MA3)

OSC - Checking Network Connection

Step 6.1:

1) Select "Menu"

2) Select "Network"



OSC - Checking Network Connection

Step 6.2:

Display 1 onPC 1.9.2.2 [NewShow_2023.05.10_01.42.15UTC]

Network									
	Stations	Lock	No		Name	Type	IP	Session	Location
		S	3 (1)	▼	onPC				
	Keys	S	1		Laptop-S536 -, Undefined		192.168.200.23	Laptop-S536-A1	Local
		S	5 (1)	▼	NetworkNode				
	Web Remote	S	1		onPC-2Port-1	onPC2Port	192.168.200.160	Laptop-S536-A1	Local

2) Ensure both are highlighted green

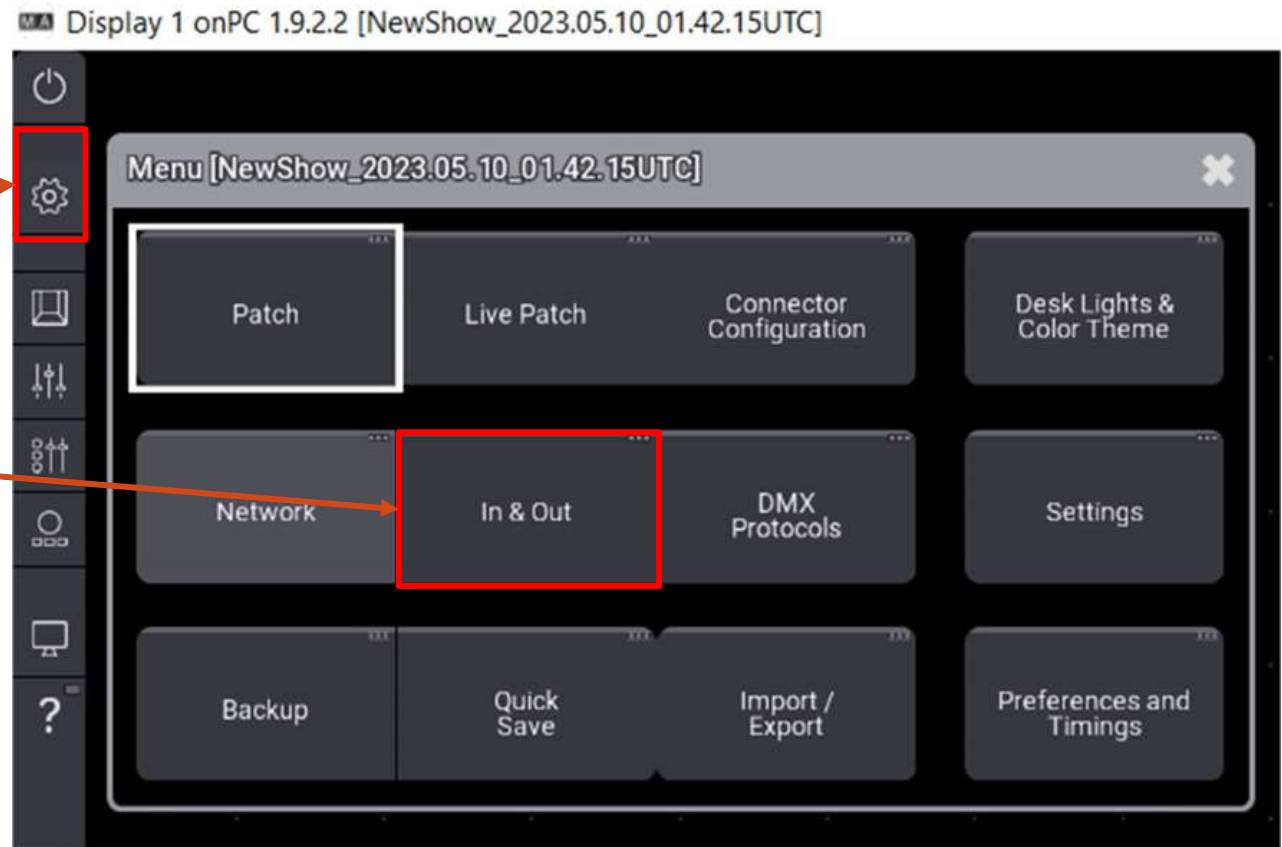
1) Ensure the 3rd octave in both IP address are the same

OSC - Checking “In & Out” settings

Step 6.3:

1) Select “Menu”

2) Select “In & Out”



OSC - Checking “In & Out” settings

Step 6.4:



2) Click “Enable Output” and “Enable Input” (text should be orange)

1) Select “OSC”

3) R-click “Destination IP” change IP to Ethernet IP address (connected)

4) R-click “Port” change an unused port

5) R-click “Prefix” change to gma3

6) R-click “Page” change to “Page1”

7) R-click “Receive” to change to “Yes”

8) R-click “Receive Command” to change to “Yes”

9) R-click “Echo Input” to change to “Yes”

OSC - Opening “System Monitor”

Step 6.5:

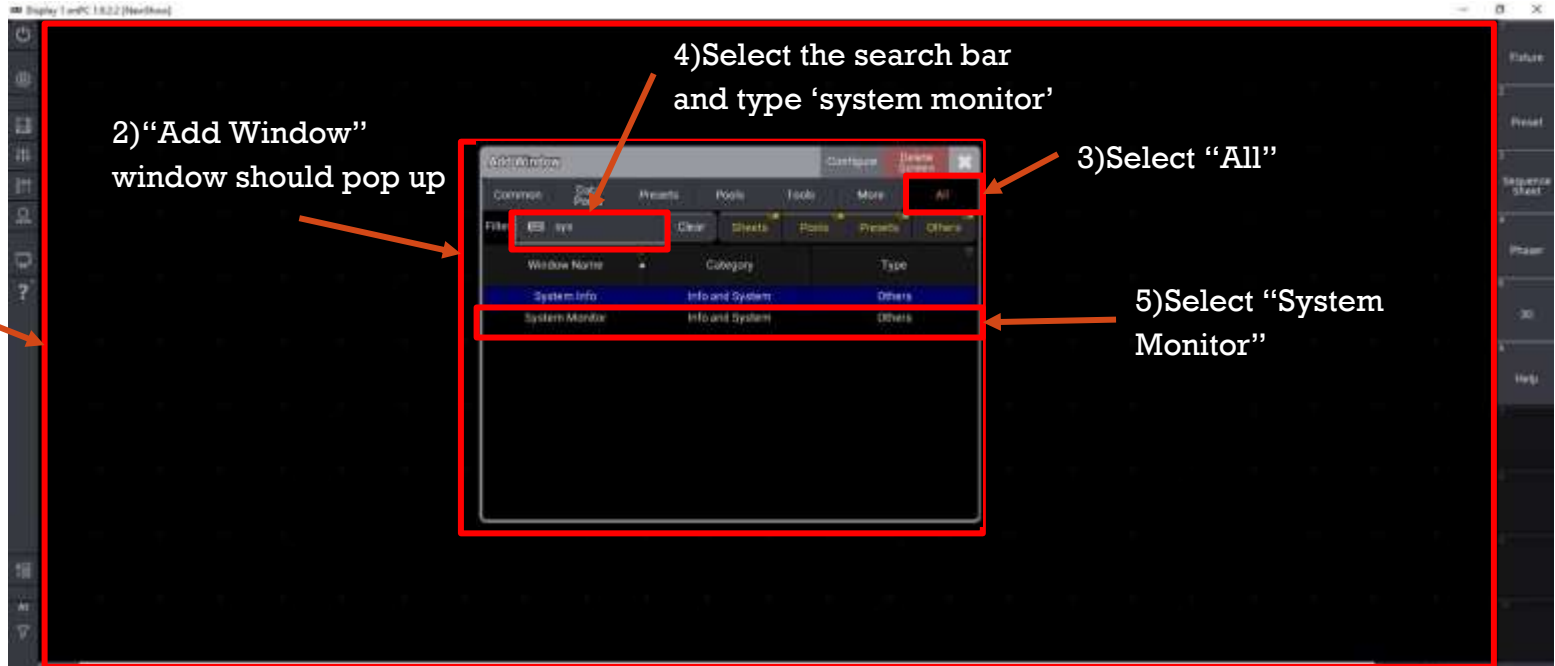
1)@ Main page, L-click anywhere in the blank space

2)“Add Window” window should pop up

4)Select the search bar and type ‘system monitor’

3)Select “All”

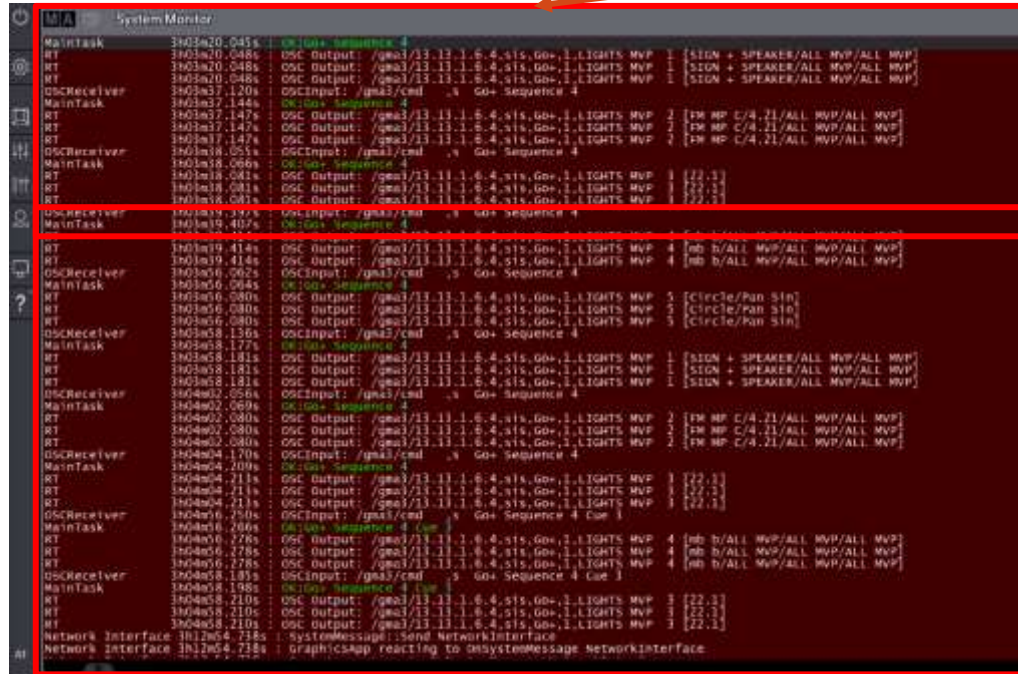
5)Select “System Monitor”



OSC - Opening “System Monitor”

1) Send your commands in Raspi and check whether it sent through here

Step 6.6:



```
System Monitor
MainTask 3403m20.045s OK:Go+ Sequence 4
RT 3403m20.048s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 1 [SIGN + SPEAKER/ALL MVP/ALL MVP]
RT 3403m20.048s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 1 [SIGN + SPEAKER/ALL MVP/ALL MVP]
RT 3403m20.048s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 1 [SIGN + SPEAKER/ALL MVP/ALL MVP]
OSCReceiver 3403m37.120s OSCInput: /gma3/cmd 4 Go+ Sequence 4
MainTask 3403m37.144s OSC Input: /gma3/cmd 4 Go+ Sequence 4
RT 3403m37.147s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 2 [FM HP C/4.21/ALL MVP/ALL MVP]
RT 3403m37.147s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 2 [FM HP C/4.21/ALL MVP/ALL MVP]
RT 3403m37.147s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 2 [FM HP C/4.21/ALL MVP/ALL MVP]
OSCReceiver 3403m38.051s OSCInput: /gma3/cmd 4 Go+ Sequence 4
MainTask 3403m38.059s OSC Input: /gma3/cmd 4 Go+ Sequence 4
RT 3403m38.061s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 1 [22.1]
RT 3403m38.061s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 1 [22.1]
RT 3403m38.061s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 1 [22.1]
OSCReceiver 3403m39.393s OSCInput: /gma3/cmd 4 Go+ Sequence 4
MainTask 3403m39.402s OK:Go+ Sequence 4
RT 3403m39.414s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 4 [mb b/ALL MVP/ALL MVP/ALL MVP]
RT 3403m39.414s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 4 [mb b/ALL MVP/ALL MVP/ALL MVP]
OSCReceiver 3403m40.062s OSCInput: /gma3/cmd 4 Go+ Sequence 4
MainTask 3403m40.064s OK:Go+ Sequence 4
RT 3403m40.066s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 5 [Circle/Pan Sin]
RT 3403m40.066s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 5 [Circle/Pan Sin]
RT 3403m40.066s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 5 [Circle/Pan Sin]
OSCReceiver 3403m40.136s OSCInput: /gma3/cmd 4 Go+ Sequence 4
MainTask 3403m40.177s OK:Go+ Sequence 4
RT 3403m40.181s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 1 [SIGN + SPEAKER/ALL MVP/ALL MVP]
RT 3403m40.181s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 1 [SIGN + SPEAKER/ALL MVP/ALL MVP]
RT 3403m40.181s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 1 [SIGN + SPEAKER/ALL MVP/ALL MVP]
OSCReceiver 3404m02.056s OSCInput: /gma3/cmd 4 Go+ Sequence 4
MainTask 3404m02.069s OSC Input: /gma3/cmd 4 Go+ Sequence 4
RT 3404m02.080s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 2 [FM HP C/4.21/ALL MVP/ALL MVP]
RT 3404m02.080s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 2 [FM HP C/4.21/ALL MVP/ALL MVP]
RT 3404m02.080s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 2 [FM HP C/4.21/ALL MVP/ALL MVP]
OSCReceiver 3404m02.080s OSCInput: /gma3/cmd 4 Go+ Sequence 4
MainTask 3404m04.170s OSC Input: /gma3/cmd 4 Go+ Sequence 4
RT 3404m04.209s OSC Input: /gma3/cmd 4 Go+ Sequence 4
RT 3404m04.211s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 1 [22.1]
RT 3404m04.211s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 1 [22.1]
RT 3404m04.211s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 1 [22.1]
OSCReceiver 3404m04.215s OSCInput: /gma3/cmd 4 Go+ Sequence 4 Cue 1
MainTask 3404m06.266s OK:Go+ Sequence 4 Cue 1
RT 3404m06.278s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 4 [mb b/ALL MVP/ALL MVP/ALL MVP]
RT 3404m06.278s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 4 [mb b/ALL MVP/ALL MVP/ALL MVP]
RT 3404m06.278s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 4 [mb b/ALL MVP/ALL MVP/ALL MVP]
OSCReceiver 3404m08.183s OSCInput: /gma3/cmd 4 Go+ Sequence 4 Cue 1
MainTask 3404m08.198s OK:Go+ Sequence 4 Cue 1
RT 3404m08.210s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 3 [22.1]
RT 3404m08.210s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 3 [22.1]
RT 3404m08.210s OSC Output: /gma3/13.11.1.6.4.s1s.Go+ 1.LIGHTS MVP 3 [22.1]
Network Interface 3412m54.718s SystemMessage:Send NetworkInterface
Network Interface 3412m54.718s graphicsapp reacting to OnSystemMessage NetworkInterface
```

2) For example, if Raspi sends “Go+ Sequence 4”, You should receive ‘OK: Go+ Sequence 4’