

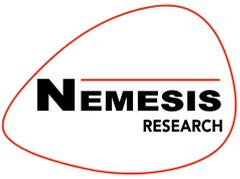
# PERFORMANCE INSURANCE

PRODUCTION TOOLS • SHOW CONTROL • BACKUP SOLUTIONS

## OSCA-18

### 8-Way OSC Programmable General Purpose Input

## USER GUIDE



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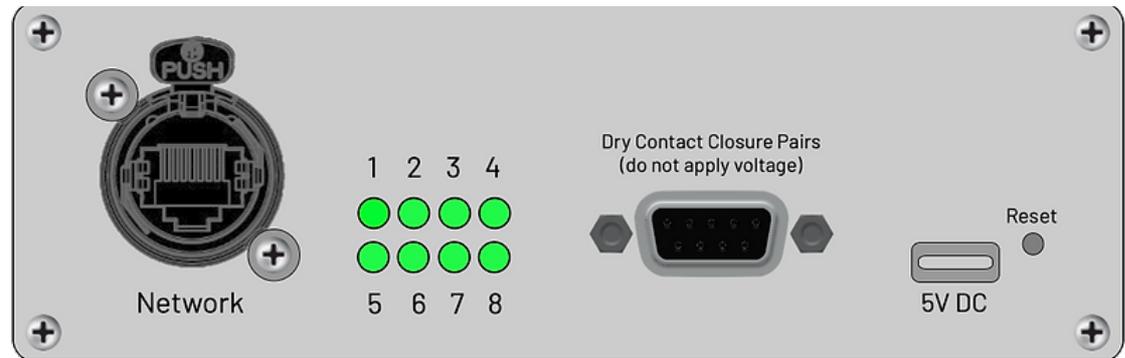
## Overview

The OSCA-I8 is a next generation multiple command destination show control solution featuring OSC Network input, POE IEEE 802.3 or 5v DC powering and eight isolated inputs.

## Front Panel



## Rear Panel Connections



**Power & Network** – OSCA can be powered by POE IEEE 802.3 or 5v DC via the USB C port

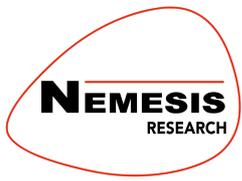
**4 Display LED's** – LED will illuminated to indicate input activated

**GPI DSUB** – 8 opto-isolated inputs and common ground. Can be activated by contact closure or open collector output

## Network Settings

Default IP settings

IP Address	192.168.1.253
Subnet Mask	255.255.255.0
Gateway	192.168.1.1
DNS Main	192.168.1.1
DNS Backup	192.168.1.1
Network Device Name	OSCA-I8



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OSC Listen Port	53500
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In order to change settings navigate to the device's IP address (default: 192.168.1.253) on the network using a web browser or use its network name (default: OSCA-l8) and navigate to the "Network page"

In order for changes to take effect press save and then restart (Please note if you have changed IP address or device name the page may not refresh, and you will need to open a new tab in your browser with the new user settings).

## Destination Settings

On the Destinations page, you can specify and name destinations (a maximum of 8 when in advanced mode and 2 when in a preset) which will be stored in the device's memory. Please specify the IP address and OSC listen to port of the receiving device(s).

## Input Settings

Each input can send up to two messages (Command), with each one sent to one of eight destinations. (to send the same command to both destinations send identical command to each location)

The device comes with three pre-sets built-in with predefined commands for CSC and Qlab and OSCA-04.

All commands in these pre-sets will be sent to Destination 1 and 2 (if specified on the destinations page)

### Qlab Preset

Button	Function	Command
1	Go	/go
2	Stop	/panic
3	Previous	/playhead/previous
4	Next	/playhead/next
5	Not used	

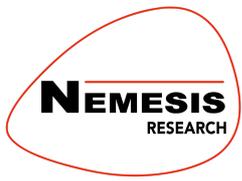
When using this pre-set it may be necessary to configure QLab to allow OSC connection access without a passcode.

### CSC Preset

Button	Function	Message (Command)
1	Go	/cuelist/go
2	Stop	/cuelist/stop
3	Previous	/cuelist/prev
4	Next	/cuelist/next
5	Not used	

### OSCA-04 Preset

Button	Function	Address	Integer Argument
1	Relay 1 ON	/relay/1	1
2	Relay 2 ON	/relay/2	1
3	Relay 3 ON	/relay/3	1



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4	Relay 4 ON	/relay/4	1
5	All relays OFF	/relay/?	0

## Advanced Mode – Inputs

By putting the device into advanced mode and navigating to the inputs menu the user can specify custom messages (Commands) for each of your inputs. The OSCA can send up to two arguments with each command. OSCA will automatically determine the format of the argument based on the value. For example, 1 will be sent as an integer, 1.00 as a float and one as a string. OSCA will also automatically read the entered OSC command (String) and determine what is the address and argument(s). For further information please see [www.nemesis-research.com/opensoundcontrol](http://www.nemesis-research.com/opensoundcontrol)

Specify the message(s) for each input and configure polarity and debounce. The status of each input can be seen on the tabs, and the configured messages can be sent by clicking the Test button.

A debounce time can be set per button in milliseconds. This is the time after the button is released before it can be pressed again. (the default is set to 250ms)

OSCA has a maximum length for the command which is 192 characters. You can then select which destination you would like this command to be sent to. Each input can send up to two commands, with each command being sent to one destination. (To send the same Command to 2 destinations send identical commands to each receiving device)

## Firmware Update

If connected to the internet you can use the Firmware update page to install the latest firmware from the Nemesis server.

## Additional Information

### Incoming OSC

OSCA will react to incoming OSC messages on the port specified.  
e.g., /input/1 Will send the commands specified by input 1 as if input 1 had been activated.

### Power

OSCA can be powered by POE or 5v DC via the USB C port

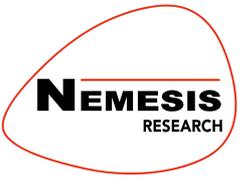
### Factory Reset

NM116 REV 1.2 running firmware 0.0.6.5 or higher.

Hold the reset button at power on for 3 seconds to reset the network settings to default, Network HALO will flash red/orange and LED 4 lights up through this process. Please then power cycle the unit for the changes to take effect.

NM116 REV 1.1 or firmware 0.0.6.4 or lower.

Connect Input 4 to GND for 3 seconds at power on. Network HALO will flash red/orange to enter reset mod. Connect input 3 to GND once to reset the network settings to default. Please then power cycle the unit for the changes to take effect.



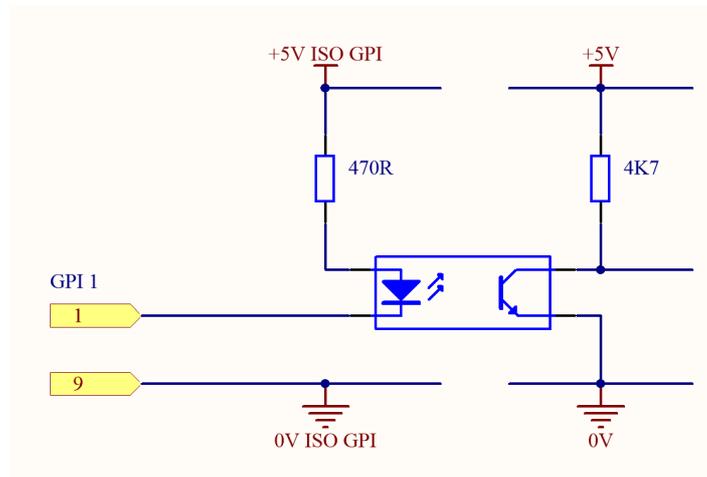
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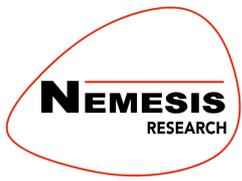
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## Pin Outs

GPI: 9 Pin Female D-Sub. Closed contact to GND, opto-isolated input.

Option	Function
1	Input 1
2	Input 2
3	Input 3
4	Input 4
5	Input 5
6	Input 6
7	Input 7
8	Input 8
9	GND





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## EU declaration of conformity (CE symbol)

This declaration applies to  
**- OSCA-I8 XX:XX:XX:XX:XX:XX**  
manufactured by Nemesis Audio



All products of type OSCA-I8 are included, provided they correspond to the original technical version and have not been subject to any later design or electromechanical modifications.

We herewith declare that said products are in conformity with the provisions of the respective EC directives including all applicable amendments.

A detailed declaration is available on request and can be ordered from Nemesis Audio.

## WEEE Declaration (Disposal)

Electrical and electronic equipment must be disposed of separately from normal waste at the end of its operational lifetime.

Please dispose of this product according to the respective national regulations or contractual agreements. If there are any further questions concerning the disposal of this product please contact Nemesis Audio.

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