



VLAN Colour Guide and IP address information for TSL Luminex-based Lighting Control Systems

To maintain uniformity across our shows and ensure familiarity to our Clients and Freelancers, Lighting Control Systems provided by TSL will adhere to the following standards listed below unless otherwise specified by the Crew Chief or Systems Technician for an event.

IP Addressing

The following IP address ranges are used with endings listed in the categories below:

- 192 . 168 . 0 . *XYZ*
 - Subnet Mask: 255 . 255 . 255 . 0 (/24)
 - Commonly used for addressing of switches and MA-Net2 based devices

- 2 . 0 . 0 . *XYZ*
 - Subnet Mask: 255 . 0 . 0 . 0 (/8)
 - Commonly used for addressing of nodes and other ArtNet compliant devices

- 172 . 31 . 0 . *XYZ*
 - Subnet Mask: 255 . 0 . 0 . 0 (/8)
 - Commonly used for HogNet based systems

001 - 009	Consoles	151 - 174	RoboSpot Devices
011 - 049	Switches	175 - 199	Media Servers
051 - 099	System Processing	201 - 254	Users on the Network
101 - 149	Nodes		



Luminex Groups

Luminex 'Groups', or VLANs, will be colour coded on each switch with each VLAN being reserved primarily for use by the following device or protocol:

Group	Protocol	Tape Colour on switch	VID
N/A	ISL	Grey	N/A
1	Management	Earth	1
2	MA-Net2	Red	200
3	sACN	Green	300
4	RoboSpot	Purple	400
5	HogNet / TitanNet	White	500
6			600
7	P3 Net	Yellow	700
8			800
9			900
10			1000
11	ArtNet	Blue	1100
12	Comms	Orange	1200
13			1300
14			1400
15			1500
16			1600
17			1700
18			1800
19			1900
20	Internet Access	Brown	2000

For any assistance, please contact HoD Phil Circou (phil.circou@tsllighting.com) or Control & Systems Technician Adam Davies (adam.davies@tsllighting.com). V8 01/09/2020



TSL Standard Network Addressing and Luminex VLAN Group Setup

IP Addressing

IP Address 192 . 168 . 0 . xyz range

001 - 009	Desks
011 - 049	Switches
051 - 099	System Processing
101 - 149	Nodes
151 - 174	Media Servers
175 - 199	RoboSpot Devices
200 - 254	Users On The Network
Subnet Mask	255 . 255 . 255 . 0 (/24)

IP Address 2 . 0 . 0 . xyz range or 172 . 31 . 0 . xyz range

001 - 009	Desks
011 - 049	Switches
051 - 099	System Processing
101 - 149	Nodes
151 - 174	Media Servers
175 - 199	RoboSpot Devices
200 - 254	Users On The Network
Subnet Mask	255 . 0 . 0 . 0 (/8)

Switch Login Info

Username: admin
 Password: n/a

Luminex Groups

<u>Group</u>	<u>Protocol</u>	<u>Tape Colour on Switch</u>	<u>VLAN VID</u>
n/a	ISL	Grey	n/a
1	Management	Earth	1
2	MA-Net2	Red	200
3	sACN	Green	300
4	RoboSpot	Purple	400
5	HogNet or TitanNet	White	500
6			600
7	P3 Net	Yellow	700
8			800
9			900
10			1000
11	ArtNet	Blue	1100
12	Comms	Orange	1200
13			1300
14			1400
15			1500
16			1600
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