

Cheltenham Playhouse Auditorium Networks

All lighting control is done across one of the three auditorium networks, mainly supporting ArtNET. DMX control is still in place if required.

Below is an explanation of these networks and their use:

Both the lighting and sound booths have a pair of screened Cat5e network points, along with a pair in the SM corner. These all run back to a patch panel up on the perch (stage right) and are patched into the network switch permanently. So the theatre's IonXE can be relocated to these different location without the need to change a patch (unless the basic DMX points are used)

Network one: (Main Control Network) Orange [Ion Xe Lan 1 port]

The right hand Cat5e sockets are coloured orange, along with the patch leads. This is a private network just for direct control of the in-house dimmers and house lights. The network switch directly feeds an eNODE that outputs DMX to the rest of the theatre's system.

The eNODE has 8 DMX outputs, output 1 is universe 1 and feeds the in-house dimmers and house lights and also a 4way buffer unit. Output's 2-4 are on universe 2, output's 5-7 are on universe 3, and output 8 is on universe 4 as default for the theatre.

There is no internet access on this network and is not accessible via the other networks.

Network two: (Show Control Network) Yellow [Ion Xe Lan 2 port]

The left hand Cat5e sockets are coloured yellow, along with the patch leads. This is an internal show control network for 3rd party Ion Xe control (such as QLab) The iFR App can also connect to this network via the auditorium WiFi (SSID & Password available in-House).

So this is the remote access Network to control the Ion Xe or to have the Ion Xe control 3rd party.

This network does have internet access.

Note: It is advisable to unplug the Show Control patch lead from the Lan 2 port on the rear of the Ion Xe desk when working on live shows. This is to disable anyone using the App on the desk.

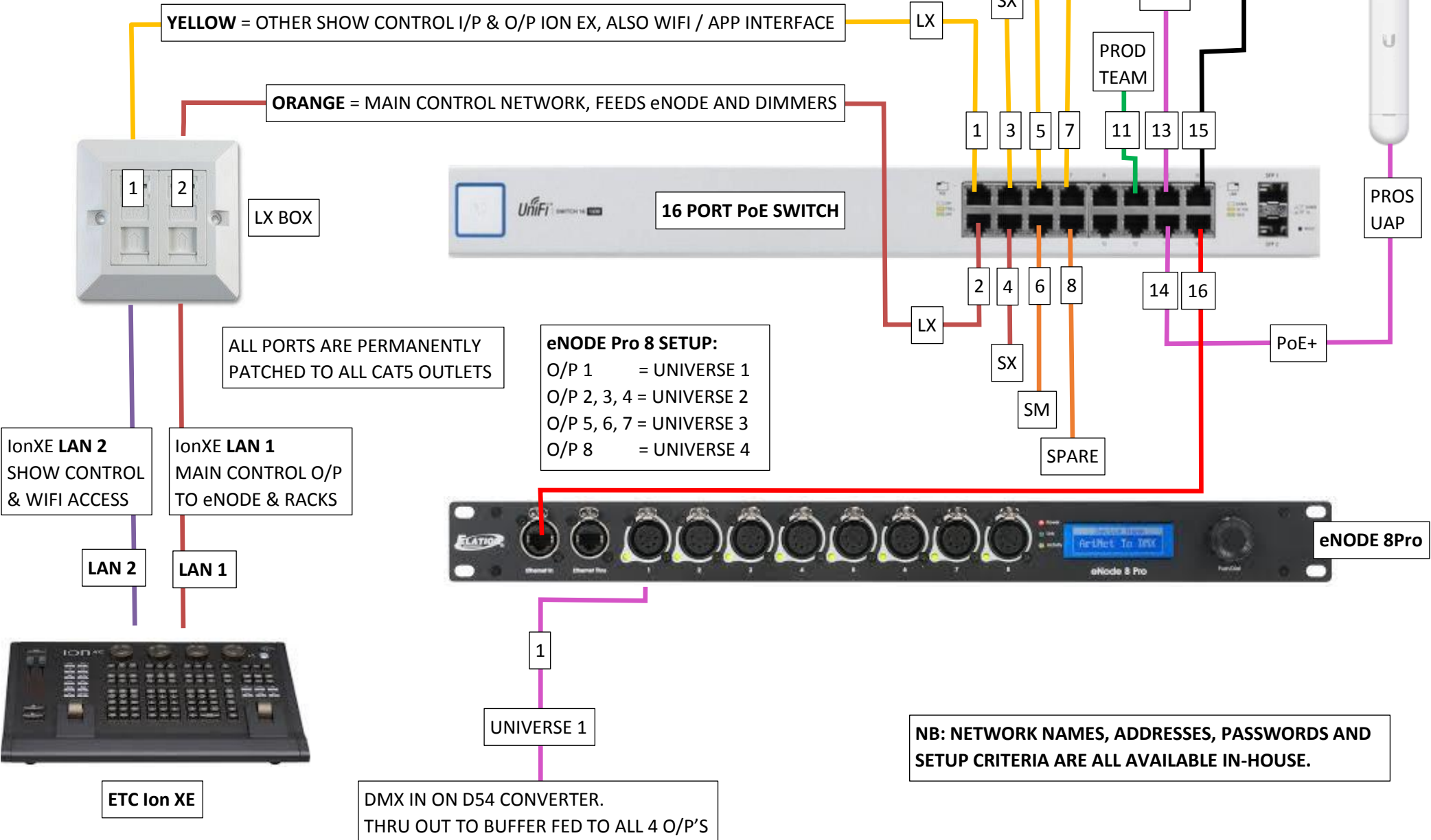
Network three: (Production Team)

This is mainly accessible on the auditorium WiFi via a Hotspot (SSID & password available In-House)

This network has internet access and is for the general internal needs of an incoming company.

CHELTENHAM PLAYHOUSE THEATRE BASIC LIGHTING CONTROL NETWORK SETUP

NETWORK VLANS:
 -IonXE MAIN NETWORK = **ORANGE** PATCH LEADS PORTS 2, 4, 6
 -SHOW CONTROL NETWORK = **YELLOW** PATCH LEADS PORTS 1, 3, 5
 -PRODUCTION TEAM NETWORK = **WiFi** MAINLY, PLUS PORT 11 PoE+



ALL PORTS ARE PERMANENTLY PATCHED TO ALL CAT5 OUTLETS

eNODE Pro 8 SETUP:
 O/P 1 = UNIVERSE 1
 O/P 2, 3, 4 = UNIVERSE 2
 O/P 5, 6, 7 = UNIVERSE 3
 O/P 8 = UNIVERSE 4

NB: NETWORK NAMES, ADDRESSES, PASSWORDS AND SETUP CRITERIA ARE ALL AVAILABLE IN-HOUSE.

DMX IN ON D54 CONVERTER. THRU OUT TO BUFFER FED TO ALL 4 O/P'S

CHELTENHAM PLAYHOUSE THEATRE DMX & NETWORK RACK SETUP DETAILS

6 WAY PDU

COMPULITE DMX – D54

DMX PATCH PANEL

CAT5 PATCH PANEL

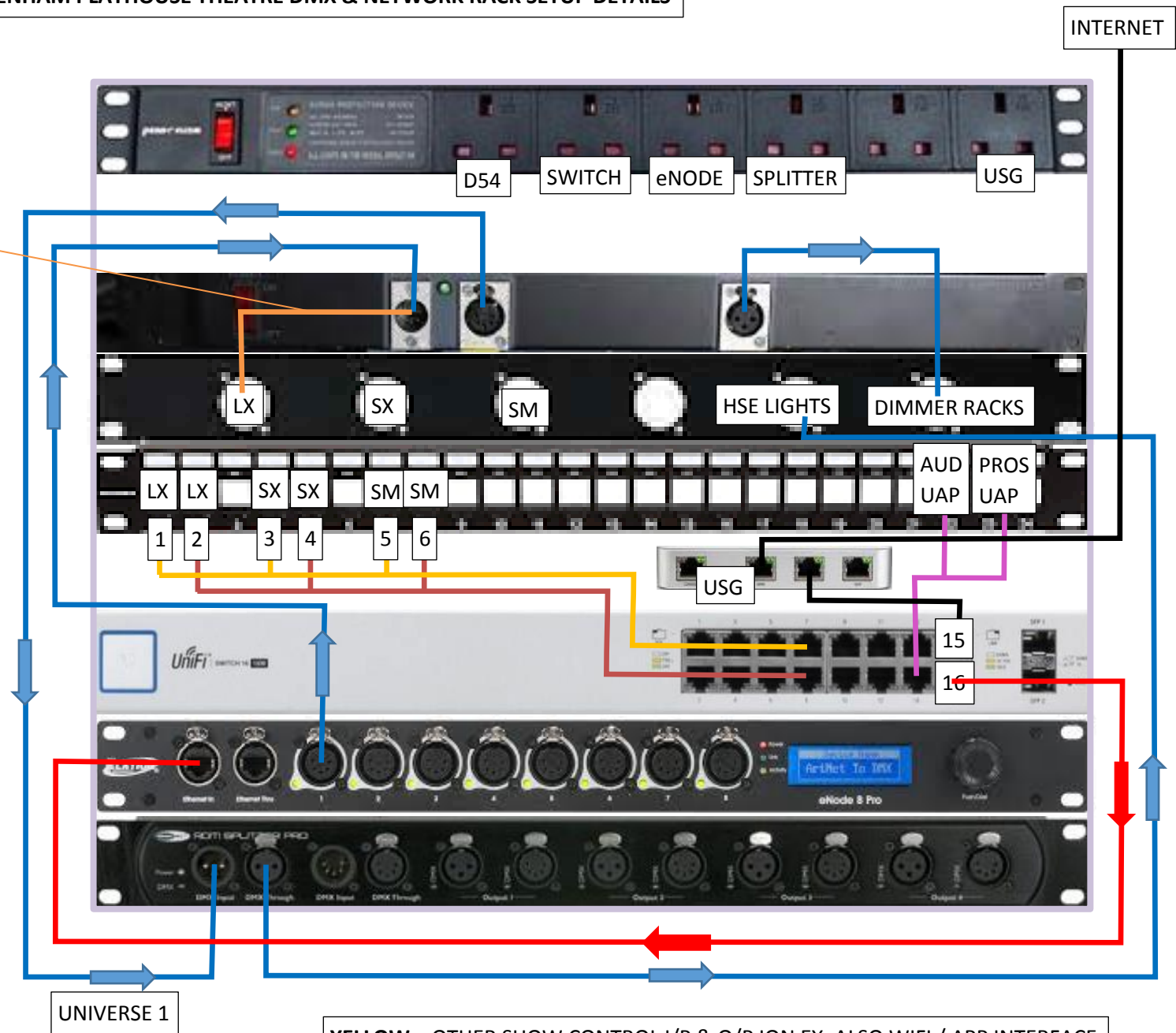
16 PORT PoE SWITCH

eNODE 8Pro *NB: IP ADDRESS AVAILABLE IN-HOUSE.*

SHOWTEC 4 WAY DMX SPLITTER

eNODE Pro 8 SETUP:
 O/P 1 = UNIVERSE 1
 O/P 2, 3, 4 = UNIVERSE 2
 O/P 5, 6, 7 = UNIVERSE 3
 O/P 8 = UNIVERSE 4

DMX BACKUP PATCH CABLE



YELLOW = OTHER SHOW CONTROL I/P & O/P ION EX, ALSO WIFI / APP INTERFACE

ORANGE = MAIN CONTROL NETWORK, FEEDS eNODE AND DIMMERS