

COMPLETE SOLUTIONS FOR SEAMLESS INTEGRATION OF CONTROLS & CONTROLLABLE PRODUCTS

THEATER HOUSE LIGHTING



HOUSE OF WORSHIP



PRESENTATION SPACES



MULTI-PURPOSE FACILITIES



SPECIALTY RETAIL



PATHWAY CONNECTIVITY

PRODUCTS USED IN THESE APPLICATIONS MAY INCLUDE



COGNITO²

The theatrical controller that delivers up to four DMX512 universes using Task Oriented Navigation and Natural Language Control.



CHOREO NSB485

Button & slider modules that command playback of DMX512 snapshots. Decora® form factor modules that can be arranged in one to six gang faceplates.



CHOREO NSB485 HEAD END

Through the use of automatic input sensing, the Choreo NSB 485 Head End automatically assigns control of the DMX512 theatrical and architectural lighting to the Cognito² console when it is on line and to the NSB 485 buttons and faders when it is not.



eDIN 1009

An essential building block in modern DMX512 distribution systems. Five bi-directional ports support E1.20 RDM responders and cascaded system layouts.



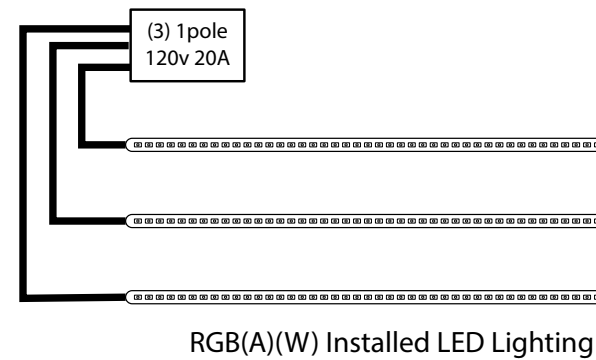
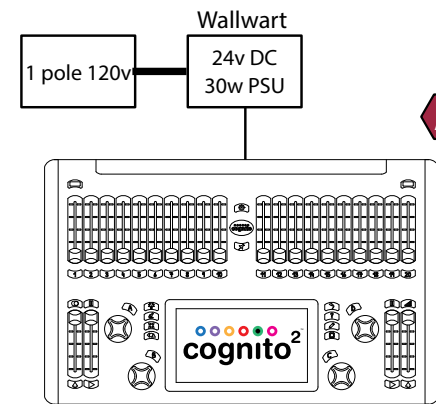
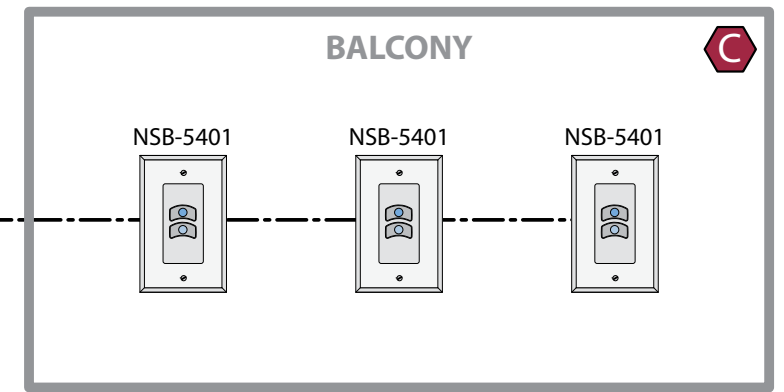
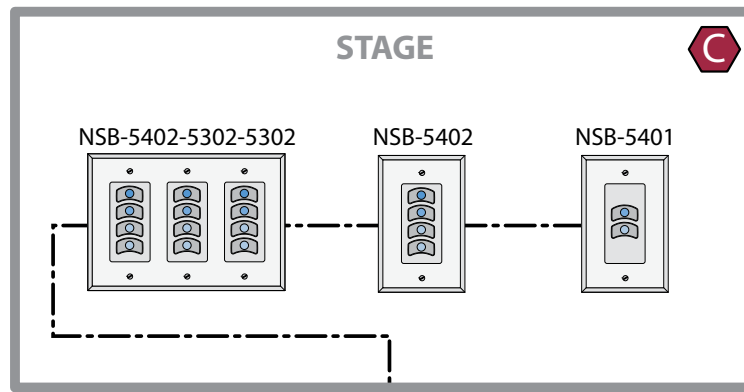
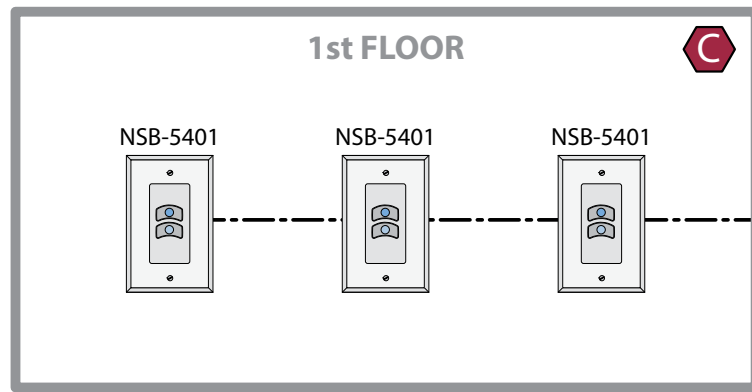
SNAP

An enclosure designed for today's modern general illumination lighting fixtures require intelligent management of power and 0-10v control signal distribution.

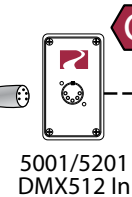
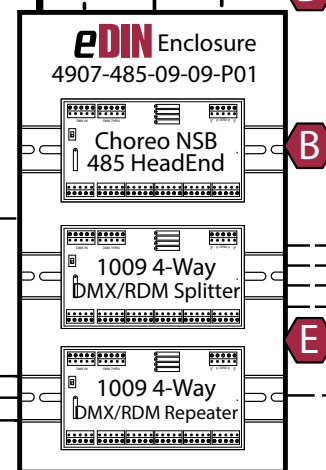
SYSTEM APPLICATIONS NOTES

REFER TO ONE-LINE SCHEMATIC

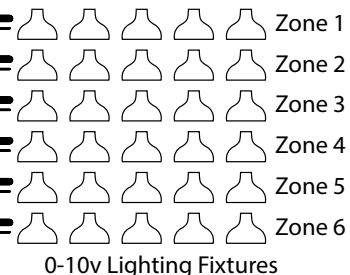
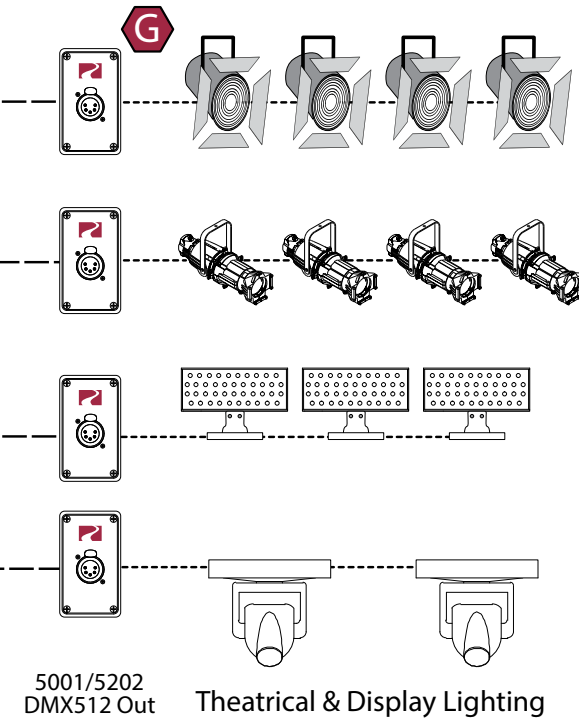
- A** **Cognito²** is the hands-on, live-action lighting console for this venue. Multiple show files can be programmed and stored for use in regularly scheduled or special events. In this application, Cognito² serves as the programming tool for DMX512 snapshots stored in the Choreo NSB 485 Head End. For auditoria where integration with AV equipment is desired, Cognito² is capable of sending and receiving show control I/O. Cognito² is designed for table top use (standard) or to be installed in a 19" equipment rack (optional kit).
- B** The **Choreo NSB 485 Head End** brings a new level of flexibility to single universe DMX512 distribution system. During theatrical events, the Choreo NSB Head End detects and passes DMX512 data from any controller such as the Cognito². When the console is powered down or disconnected from the system, control automatically devolves to the architectural wallstations recalling DMX512 snapshots. Stations can be custom built with 2 or 4 buttons per gang and 1 or 2 sliders per gang. Stations can be six gangs wide using any combination of modules. Choreo NSB 485 supports up to 64 NSB modules distributed over its four ports.
- The Choreo NSB 485 Head End comes with a 2-port gateway that accepts, merges and transmits eDMX and DMX512
 - Eight DMX512 or eDMX snapshots can be played back from either the NSB stations or from 8 pushbuttons with tri-color LED indicators mounted directly on the Head End PCB
 - Advanced station configuration is performed using Pathway Connectivity's Pathscape Software
 - "Clusters" of NSB stations can be connected to a larger Ethernet ecosystem for large scale installations
- C** **Choreo NSB 485 Stations** are powered from the Choreo 485 Head End. Serial "Daisy Chain" topology facilitates the economical wiring of large clusters of entry stations in auditoria with many doors and functional spaces needing simple preset recall functionality. Up to four station busses are supported using CAT 5/6 wiring with pluggable IDC terminal blocks.
- D** Small and compact, **eDIN System Enclosures** enable systems to be built in bespoke configurations of VIA5 switches, eDIN signal management modules or Pathport gateways. In this application, controllers and control interface devices are mounted in a single enclosure eliminating the need for a bulky 19" equipment rack.
- E** The **eDIN 1009** card is a 4-port bi-directional DMX512/RDM splitter. A 5th port supports a cascade of splitters to be installed in very large scale systems. Even when the fixture schedule does not include E1.20 RDM responders, it is a good design practice to use the 1009 card as the standard splitter because each port is fully isolated and future system upgrades could make use of E1.20 RDM responders.
- F** The **SNAP Lighting Control Panel** manages DMX512 control of relays and 0-10VDC control channels that source or sink. Listed for UL924 applications, SNAP features a fully flexible soft patch as well as maintained and momentary contact closure inputs for integration with fire alarm, security and power transfer systems. SNAP is a feed-through panel and individually barriered relays enable 120V and 277V circuits to be switched from a single enclosure.
- G** Pathway Connectivity manufactures a complete line of **modular data receptacles** used to connect plug-and-play devices to the system infrastructure. It is another way that we provide single-manufacturer accountability for everything from the controller to the Ethernet switch to the remote stations to the gateways and even the simple wall plates.



1 pole 120v
or 277v



(x) 1 pole
120v 20A
and/or
(y) 1 pole
277v 20A



Switched Loads (CLASS 1) with
0>10VDC Analog controls (CLASS 2)
KEEP CLASS 1 AND CLASS 2 WIRING SEPARATE
PER APPLICABLE CODES AND STANDARDS

Wire Key

- Line Voltage
- - - Belden 5320FL
- Cat5 (RS485)
- Belden 1583A
- DMX512 Jumper

Client _____

Job _____

Date _____





A pioneer in entertainment lighting, Pathway Connectivity is renowned for solid, easy-to-use equipment with comprehensive, robust features.

Our reputation for innovation and reliability is based on over thirty years commitment to enhancing the functions and interoperability of lighting systems around the world.

For demonstration and training videos, visit our Pathway Connectivity YouTube Channel at www.youtube.com/pathwayconnectivity

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