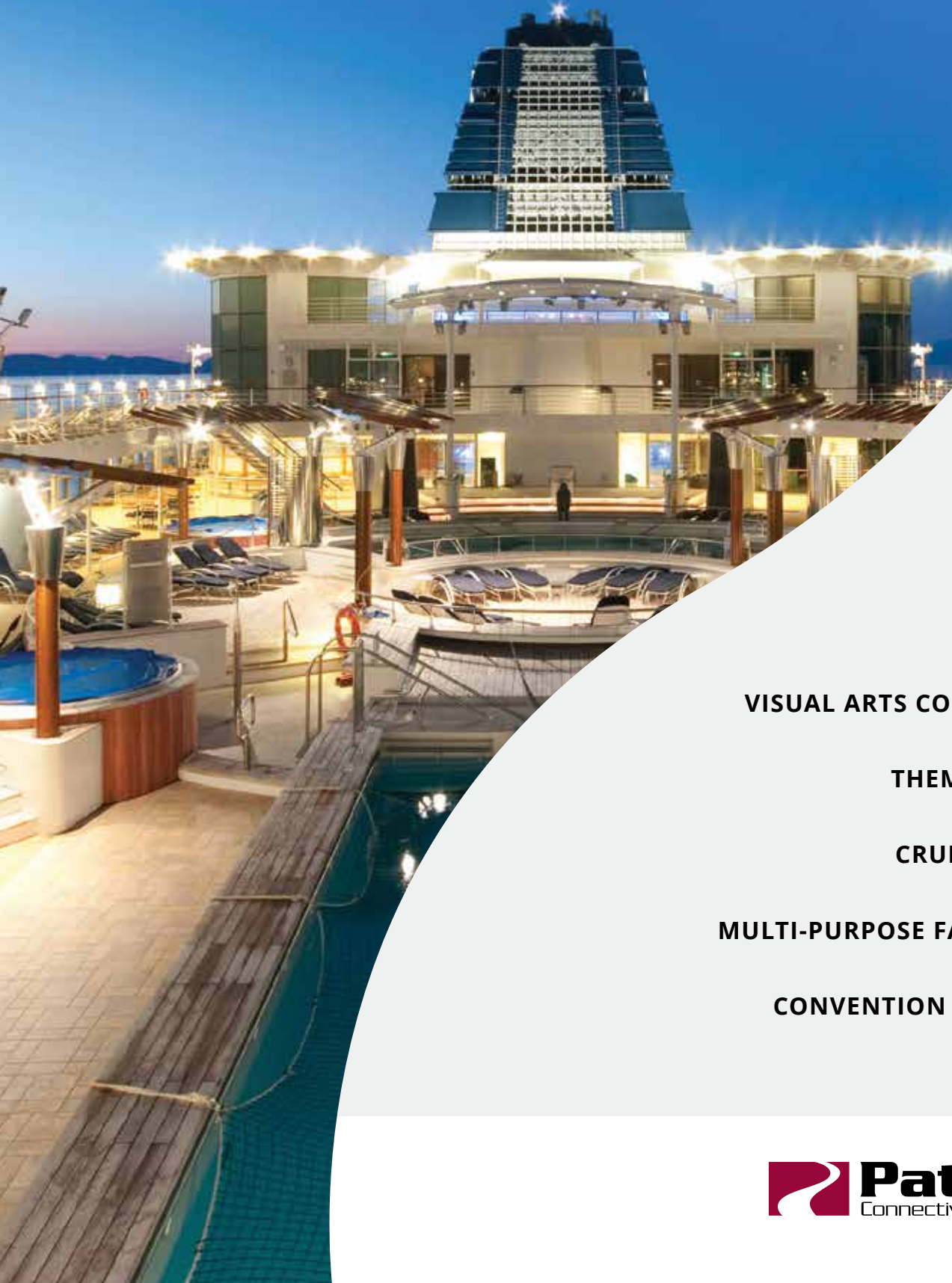


# COMPLETE SOLUTIONS FOR SEAMLESS INTEGRATION OF CONTROLS & CONTROLLABLE PRODUCTS



**VISUAL ARTS COMPLEXES**



**THEME PARKS**



**CRUISE SHIPS**



**MULTI-PURPOSE FACILITIES**



**CONVENTION CENTERS**



# PATHWAY CONNECTIVITY

## PRODUCTS USED IN THESE APPLICATIONS MAY INCLUDE



### COGNITO<sup>2</sup>

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



### PATHPORT C-SERIES DMX512/ RDM GATEWAYS

The industry standard 2-port gateways suitable for permanent installation or portable applications.



### CHOREO

All the power of Cognito<sup>2</sup> and designed to fit a 3-gang wallbox, a 19" equipment rack or a tabletop console.



### PATHPORT 1014

A compact PoE gateway for encoding, routing, decoding and merging DMX512/RDM data over an Ethernet lighting control network.



### VIA5

The entertainment class PoE gigabit switch that connects and powers the controllers, remote stations and gateways.



### CHOREO NSB

PoE sliders and buttons that can command memories and macros on multiple controllers. Decora<sup>®</sup> form factor modules that can be arranged in one to six gang faceplates.



### eDIN 1009

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



### PATHWAY'S MODULAR RECEPTACLES

Can be easily arranged in any configuration, to suit your requirements. Available in white, stainless steel or matte black finish.



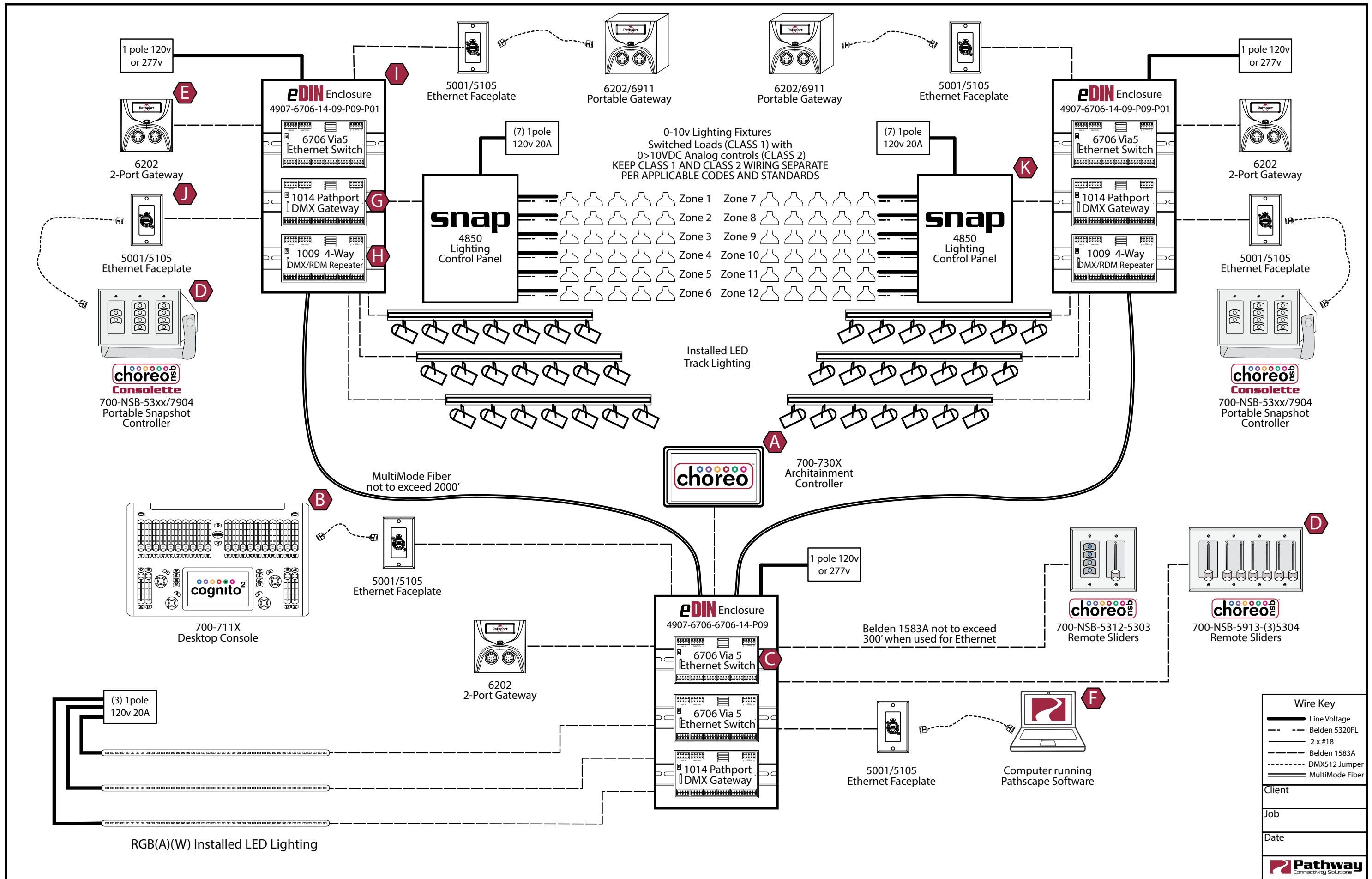
### SNAP

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

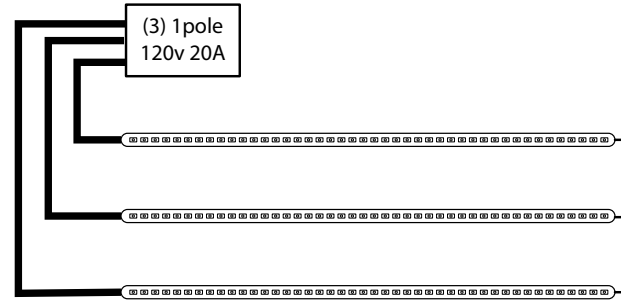
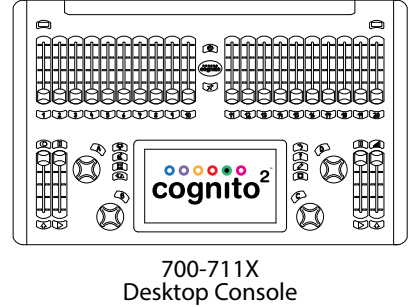
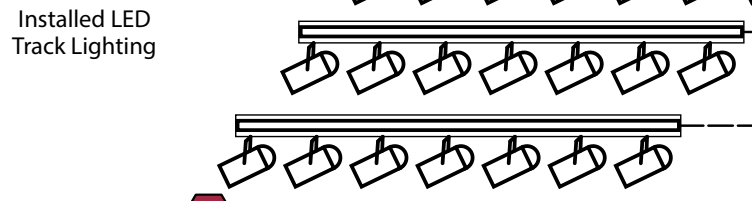
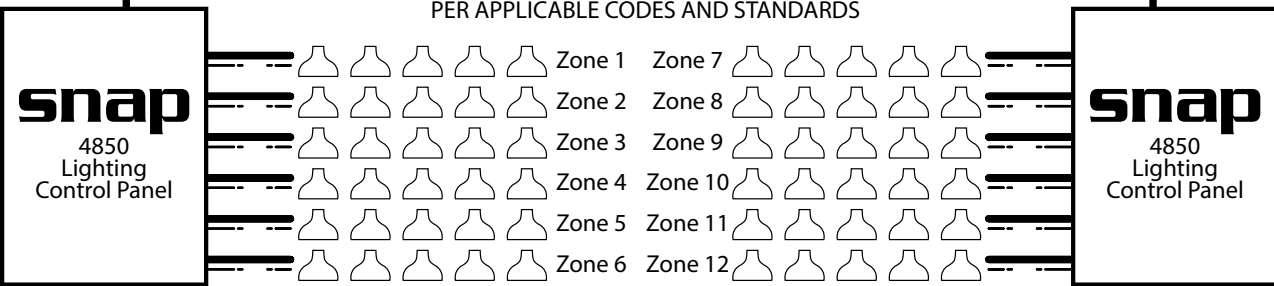
# SYSTEM APPLICATIONS NOTES

## REFER TO ONE-LINE SCHEMATIC

- A** In this application, **Choreo** is performing several functions. Choreo is the master system processor where programming and playback for the space can be done manually or automatically if the time clock functions are invoked. Choreo can be placed in to password-protected Wall Station Mode for the untrained users such as adjunct faculty, guest meeting planners and facilities personnel. Choreo can be utilized as an adjunct Stage Manager panel for use during rehearsals and performances.
- B** **Cognito<sup>2</sup>** is the hands-on live action lighting console for the theater. Multiple show files can be programmed and stored here for use in regularly scheduled and special events. Note that Cognito<sup>2</sup> is also capable of sending and receiving show control I/O. Cognito<sup>2</sup> can be temporarily located in any network-connected location in the venue and used as the programming tool for show files to be stored in Choreo. Cognito<sup>2</sup> is designed for table top use (standard) or to be installed in a 19" equipment rack.
- C** **VIA5** lives at the very heart of the Pathway Connectivity ecosystem. An entertainment class Gigabit Ethernet switch with advanced management features that support distribution of streaming data for audio, video and lighting control applications. VIA5 mounts on 35mm DIN rail and sources power to all the PoE devices in the system including Cognito<sup>2</sup> and Choreo controllers, Choreo NSB stations and Pathport gateways. Multiple switches can be distributed throughout the venue.
- D** **Choreo NSB** stations are an industry first; they are PoE powered. With Choreo NSB, each slider and each button is a unique network entity allowing Button #1 to operate a memory or trigger an action on one controller and slider #4 can do likewise on a second controller. Alternately, Choreo NSB can snapshot and replay four DMX512 universes of E1.31 Streaming ACN. Choreo NSB stations can be permanently installed on standard gang wallboxes or mounted in a portable consolette.
- E** The **C-series Pathport** is the industry's gold standard 2-port DMX/RDM gateway. Suitable for permanent installation or mounting in a portable enclosure, the two individually configurable ports deliver all the features of Pathport DMX512-over-Ethernet including support for Art-Net, E1.31 SACN, Pathport, RDM and Strand Lighting Shownet.
- F** A Windows or Mac computer running the **Pathscape Suite** and connected to the network backbone is the master configuration and monitoring tool for all Pathway Connectivity devices in the system. The Pathscape computer does not need to be running for the system to function.
- G** The **Pathport 1014 Gateway** is one of three DIN mountable DMX512/RDM-over-Ethernet gateways in our product line. One port and two port gateways are also available. In this application, Ethernet control data is sourced from the Cognito<sup>2</sup> and Choreo controllers and routed as DMX512/RDM to the end devices in the system. A single port on a gateway can be programmed to output a unique universe of DMX512 using control data from multiple sources and either merged (HTP) or use a prioritized system.
- H** The **eDIN 1009** card is a 4-port bi-directional DMX512/RDM Splitter. The THRU port supports a cascade of splitters to be installed in larger systems. Even when the current fixture schedule does not include E1.20 RDM responders, it is good design practice to use the 1009 card as the standard splitter because each port is fully isolated and future system upgrades could incorporate E1.20 RDM responders.
- I** Small and compact, **eDIN System Enclosures** enable systems to be built in bespoke configurations including VIA5 switches, eDIN interface cards and/or the DIN-mountable Pathport gateways. In this application, controllers and control interface devices are distributed throughout the venue and the need for bulky 19" equipment racks is eliminated.
- J** 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 including the simple wall plates.
- K** The **SNAP Lighting Control Panel** manages DMX512 control of single-pole line-voltage relays and control channels that source or sink 10VDC. 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.



0-10v Lighting Fixtures  
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  
2 x #18
- Belden 1583A
- DMX512 Jumper
- MultiMode Fiber

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](http://www.youtube.com/pathwayconnectivity)

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