COMPLETE SOLUTIONS FOR SEAMLESS INTEGRATION OF CONTROLS & CONTROLLABLE PRODUCTS FOR MULTIPURPOSE ROOM SYSTEMS

SCHOOLS
HOUSES OF WORSHIP
CONVENTION & MEETING SPACES
BLACKBOX THEATERS
COMMUNITY CENTERS
LOUNGES
THEMED RESTAURANT & RETAIL
PATHWAY CONNECTIVITY
PRODUCTS USED IN THESE APPLICATIONS MAY INCLUDE

COGNITO²
The theatrical controller that delivers advanced control of luminars, color mix LEDs and conventional loads using Task Oriented Navigation and Natural Language Control.

CHOREO
All the power of Cognito² designed to fit a 3-gang wallbox, a 19" equipment rack or a tabletop consolette. Standalone operation, which can be programmed without a PC.

NSB (Networked Sliders and Buttons)
Using a PoE or RS485 multi-drop backbone, these button and sliders trigger memories and actions on Cognito² or Choreo. Decora® form factor modules may be arranged in one to six gang wall stations.

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

2100-DIN RJ45 PATCH MODULE
Terminate building category cable to the punch-down keystone jack, and use Ethernet patch cables to create clean, custom Ethernet patch bays inside eDIN enclosures.

1016 DMX/RDM HUB
Eight-port DMX/RDM Hub that brings flexibility to single-Universe distribution systems with bi-directional ports, automatic signal sensing and four operating modes.

VIA16 PoE ETHERNET SWITCH
The entertainment-class PoE Ethernet switch that connects and powers the controllers and remote stations.

MODULAR RECEPTACLES
Robust, attractive wall plates and connectors for customizable receptacle stations. Available with removable screw terminal or IDC connector blocks.
In this application, **Choreo** is performing several functions. Choreo is the master system processor where programming is done and playback for the space can be executed manually or automatically if the time clock function is invoked. Choreo can be placed in to password-protected Wall Station Mode for the untrained user such as adjunct faculty, guest meeting planners and facilities personnel.

**Cognito**

is the hands-on live action lighting console. Visiting production companies may want to operate their show lighting with a console they bring with them, referred to as a “Guest Console”. Either the Cognito or the guest console connect to the 1016 DMX/RDM Hub via the 5203 DMX receptacle. The Cognito or guest console will then take control of the network. Once removed, the Choreo will retake control.

**VIA16** lives at the very heart of the Pathway Connectivity ecosystem. An entertainment class Ethernet switch with advanced management features that support distribution of streaming data for audio, video and lighting control applications, VIA16 sources power to all the PoE devices in the system.

**NSB (Networked Sliders and Buttons)** stations are an industry first; they are PoE powered. Each button or slider is easily mapped to a Choreo Memory, which in turn can operate lighting levels or trigger any other Show Control event such as starting a SMPTE clock, running a Playlist or even relinquishing control to other devices.

In this application, DMX control data is sourced from the Choreo and Cognito controllers. The **1016 DMX/RDM Hub** routes all DMX512/RDM to the end devices in the system. The hub has four operating modes: **Hub, A/B Select, Priority** and **Merge**. In this application, the Priority mode is most useful; Port A is given highest priority and Port H the lowest. The 1016 will sense DMX input on any of the 8 ports, and route signals to the remaining ports as outputs. Cognito should be plugged into Port A to take control of the system when needed. Choreo should be plugged into Port B, so control falls back to it automatically when Cognito is removed.

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.

Small and compact, **eDIN System Enclosures** enable systems to be built in bespoke configurations including VIA16 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.

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, including even the simple wall plates.

All modulars and eDIN products may use either compression-fit removable connectors for stranded copper wire, or Pathway’s own IDC connectors for extremely fast terminations using category cable without the need for stripping.

The network is configured with a computer running **Pathscape Software** downloaded for free from the Pathway Connectivity web site.

Once configuration with complete, the PC may be removed. Pathscape is the unified tool that helps in setting up all Pathway products including VIA, Pathport, Vignette, NSB and RDM-capable eDIN interface cards.

2100-DIN eDIN RJ45 patch modules provide a clean and easy way to terminate building wire to a custom RJ45 patch bay.
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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