COMPLETE SOLUTIONS FOR SEAMLESS INTEGRATION OF CONTROLS & CONTROLLABLE PRODUCTS FOR THEATER AND HOUSE LIGHT SYSTEMS

THEATER HOUSE LIGHTING
HOUSES OF WORSHIP
PRESENTATION SPACES
MULTI-PURPOSE FACILITIES
SPECIALTY RETAIL

Pathway Connectivity Solutions
**PATHWAY CONNECTIVITY**

**PRODUCTS USED IN THESE APPLICATIONS MAY INCLUDE**

**PATHPORT OCTO / QUATTRO GATEWAYS**
The heart of DMX distribution. Rackmountable four and eight-port gateways with front panel configuration are powerful and compact. Pathscape allows you to configure all RDM devices connected to Pathports in your venue in a single table for ease of addressing, regardless of how the system is wired.

**VIGNETTE**
Customizable houselight controller; snapshot up for 4 Universes of E1.31 sACN or 1 Universe of DMX512. Playback and crossfade between snapshots, complex zones, single channels or non-dims. PoE or RS485 wiring topology.

**VIGNETTE CLOCK**
Time-based Vignette Playback, which allows for scheduling playback events such as snapshots, zones, and other functions. Trigger events based on date, time, or astronomical events such as dawn, dusk, sunrise or sunset.

**6824 PATHPORT 4-PORT GATEWAY, eDIN**
A Pathport mounted in an installation enclosure for encoding, routing and decoding DMX512/RDM data over an Ethernet lighting control network.

**1004 eDIN DEMULTIPLEXER**
Converts DMX512 to 0-10VDC for control of LED drivers, Mark 7-type fluorescent ballasts, or solid state relays. Extremely versatile problem solver for lighting networks.

**1009 eDIN DMX/RDM REPEATER**
An essential building block in modern DMX512 distribution systems. Five bi-directional ports support E1.20 RDM responders and cascaded system layout.

**VIA10 GIGABIT PoE ETHERNET SWITCH**
The rackmount entertainment-class gigabit PoE Ethernet switch that connects the Ethernet console, configuration PC, and connects and powers QUATTRO gateways.

**VIA16 PoE ETHERNET SWITCH**
DIN-mount, entertainment-class PoE Ethernet switch that connects and powers the controllers and remote stations. Like all VIAs, this switch is fully managed by Pathscape and features PoE allocations and reporting, port bandwidth usage, VLANs, IGMP, RSTP, EAPS, DHCP and LLDP. It also has presets for Dante QoS.

**MODULAR RECEPTACLES**
Robust, attractive wall plates and connectors for customizable receptacle stations. Available with removable screw terminal or IDC connector blocks, in black, white or stainless steel. RJ45, XLR3, XLR5 male, female, and passthrough. Sizes from 1 to 6-gangs wide.
In this application, **Vignette** is the houselight control system. Vignette wall stations can be accessed by Stage Managers, FOH staff, or the lighting board operators in the booth. Either the Stage Manager or the staff in the booth can lock out all other Vignette wall stations in the venue during a show situation. This turns off the button backlights and disables any tampering with the house lights during performances.

The **Vignette 485 Gateway** provides connectivity for Vignette 485 wall stations. The Gateway has four separate buses, each connecting and powering up to 16 discrete stations. An Ethernet port connects it to the lighting network. The basic 485 Gateway is shown here, but it is available in a variety of configurations, including with physical buttons, contact closure inputs, and DMX In/Out.

Vignette is also available in a PoE version, connecting directly to PoE switches for network and power.

**Vignette Clock** extends the Vignette system to allow for automatic triggering of Vignette snapshots. Easily schedule a trigger event based on date, time, or astronomical events such as dawn, dusk, sunrise of sunset.

**VIA Switches** live at the very heart of the Pathway Connectivity ecosystem. Entertainment-class Ethernet switches with advanced management features support distribution of streaming data for audio, video and lighting control applications.

**VIA10** connects the PC running Pathscape to the network to allow for configuration, as well as connecting the Ethernet console, VIA16 and OCTO and QUATTRO gateways to the system.

**VIA16** connects to the VIA10 in the booth, as well as the Vignette 485 Gateway, Vignette Clock and 6824 Gateway to the network. It powers the Vignette Clock and 6824 via PoE. It accepts a Guest Ethernet Console via a 5165(M) Ethernet receptacle for programming or show control.

**Pathport Ethernet Gateways** provide robust DMX-over-Ethernet routing, with advanced features such as RDM, crossfade between DMX sources, DMX output speed and signal loss behavior.

In this application, the **OCTO** on stage and the **QUATTRO** on the FOH rail provide eight and four DMX ports, respectively, for connecting to end equipment such as light fixtures or dimmer racks.

An additional QUATTRO in the Booth allows for connection of a DMX source, such as a console, that is not natively Ethernet-equipped. QUATTRO can be powered via PoE or DC.

**The 6824** is a four-port DIN-rail mountable DMX/RDM-over-Ethernet Pathport Gateway, with all the same features of the rackmountable versions. It can be powered via PoE or DC.

Typical of many theater spaces, visiting production companies may want to operate their show lighting with a console they bring with them, referred to as a “Guest Console”. The guest console connects to the VIA10 Ethernet Switch in the booth.

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 reduced to where appropriate; eg. in the booth.

**The 1004 eDIN Demultiplexer** converts DMX512 to 0-10VDC for control of LED drivers, fluorescent ballasts or solid-state relays. In this application, it is driving the LED lobby pot lights.

**The 1009 eDIN DMX/RDM Repeater** is a four-port bi-directional DMX512/RDM repeater. A 5th port supports a cascade of repeaters to be installed in large scale systems. In this application, the 1009 is routing DMX to the RGB House and Accent lighting.

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 is 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.

It also has the advantage of discovering every 3rd party RDM responder in your system and allows you to edit them in a single table, regardless of which data port they are physically plugged into.
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

#103-1439 17 Avenue SE
Calgary AB Canada T2G 1J9

T 403.243.8110
F 403.287.1281

pathwayconnect.com