Pathway ®
Connectivity Solutions

CHOREO WALL-MOUNT
ARCHITECTURAL CONTROLLER

1

Models shown: 1. PWCHOREO WM [xxxx]

WARRANTY

3-year limited warranty. Complete warranty terms located at:
https://www.acuitybrands.com/support/warranty

NOTE

Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

OVERVIEW

Choreo™ provides full-featured, stand-alone programming and playback for dynamic DMX512 lighting systems, all in a three-gang wall box.

Choreo's natural language interface makes the selection of lights, adjustment of their attributes, and the recording of reference libraries, memories and cues fast and simple.

Once programmed, use the screen as a virtual button/slider station, or use Pathway NSB Wall Stations (PWWSI NPOE or PWWSI N485 series) to trigger memories or cues. Other events can be triggered from the astronomical clock, DMX or Network DMX, contact closures or the Lua API via RS232 or Telnet.

FEATURES

- Up to 2 Universes (1024 channels) of DMX512 output directly from Choreo
- Silent, capacitive touch screen operation
- Edit all show attributes including color, intensity, position, and timing from the touchscreen without a computer or console
- Supports E1.31 sACN, Pathway ssACN, Pathport Protocol, Art-Net and KiNET DMX-over-Ethernet protocols
- Natural language control uses "real world" terms and labels rather than slot numbers and data-level values
- No hard limits on the number of memories, cues, chases or playbacks
- Continually updated fixture library, currently with over 3,600 commonly available, multi-attribute lights
- Timecode-based playback and astronomical or time clock event triggering
- Context-sensitive Help Overlays provide assistance without interrupting workflow

- USB port for updates and showfile backup
- Support for remote VNC
- Web server for alternate method of backup, restore and software upgrade
- Seamless file transfer with Cognito[2] lighting consoles over the network; show files are compatible between Choreo and Cognito[2]
- Free downloadable off-line editor (OLE) for Windows and macOS
- Lua interpreter for advanced scripting and remote triggering
- Power-over-Ethernet (PoE) operation simplifies installation, optionally powered by auxiliary 24VDC input
- Rack-mount adapter and Desktop Consolette accessories available
- Also available in DIN-mount (PWCHOREO DIN) form factor

ORDERING INFORMATION

PWCHOREO					EXAMPLE: PWCHOREO WM 1024
Series		**Form Factor**		**Model**	
PWCHOREO	Pathway Choreo Theatrical Console	WM	Wall-mount	512	512 Channels
				1024	1024 Channels

Accessories	
PWPWR DIN TERM 50W 24VDC	Power Supply, DIN-mount, Compression Fit Terminal, 50 Watts, 24 Volts DC
PWPWR DIN TERM 100W 24VDC	Power Supply, DIN-mount, Compression Fit Terminal, 100 Watts, 24 Volts DC
PWACC ADD512	Pathway Accessory, Add 512 Channels
PWACC CHORDT	Pathway Accessory, Choreo Desktop Consolette
PWACC CHORRM	Pathway Accessory, Choreo 4RU rack panel, with one 3-gang position

SPECIFICATIONS

Electrical

Input Ratings	PoE Class 3 device 24VDC auxiliary power input 15W maximum power consumption Dry Contact Closure
Regulatory Compliance	CE

Mechanical

Dimensions	7.9" W x 5.25" H x 1.6" D (200mm W x 133mm H x 40mm D)
Weight	2.5 lbs (1.1 kg)

Environmental

Operating Temperature	14°F to 122°F (-10°C to 50°C)
Relative Humidity	5-95%, non-condensing
Standard Compliance	RoHS 2011/65/EU + A1 2015/863

General

Compliance	ANSI E1.11 DMX512-A R2013 ANSI E1.31 sACN - Streaming ACN IEEE 802.3af Power-over-Ethernet California Title 1.81.26, Security of Connected Devices RS-232

PART NUMBER CROSS-REFERENCE

PREVIOUS	NEW	
Part Number	**Catalog Number**	**Description**
0700-7302	PWCHOREO WM 512	Choreo Architectural Controller, DIN-mount, 512 Channels
0700-7303	PWCHOREO WM 1024	Choreo Architectural Controller, DIN-mount, 1024 Channels
0700-7812	PWACC ADD512	Pathway Accessory, Add 512 Channels
0700-7904	PWACC CHORDT	Pathway Accessory, Choreo Desktop Consolette
0700-7907	PWACC CHORRM	Pathway Accessory, Stage Manager's 4U rack panel, with dual 3-gang positions

WIRING

DMX512 PINOUT	
Purpose	**XLR / Terminal Block Pin #**
Shield / Common	1
Data - (complement)	2
Data + (true)	3
Not Used	4
Not Used	5
Not Used - Do Not Connect	N/A
Not Used - Do Not Connect	N/A

MODEL FEATURE COMPARISON

Model	512	1024
Feature		
DMX Output Addresses	512	1024
Pathport Protocol	Yes	Yes
E1.31 sACN	Yes	Yes
Pathway ssACN	Yes	Yes
Art-Net	Yes	Yes
KiNET	Yes	Yes
DMX512 Output Ports	2[1]	2
DMX512 Input Trigger	Yes	Yes
Network DMX Input Triggers	Yes	Yes
Internal Timecode Clocks	Yes	Yes
RS232 Serial/Telnet Lua Support	Yes	Yes
Contact Closure	3	3
Time/Astronomical Schedule	Yes	Yes
24VDC DIN-Mountable Power Supply	Optional	Optional
Desktop Consolette	Optional Accessory	Optional Accessory
Rackmount Adapter	Optional Accessory	Optional Accessory

Notes
1. Universe 1 is repeated on both Output Ports

DIMENSIONS

7.9"
[200 mm]

5.25"
[133 mm]

Cast Aluminum Bezel

7" Capacitive Touch Screen

Viewing Area

Trim Ring Slot

Ethernet/PoE RJ45 Connector

USB Port

1.6"
[40 mm]

24VDC Input
(Unused if powered via PoE)

RS232/DMX512 Input

DMX A Output

DMX B Output

3 Contact Closure Input

Trim Ring Slot

1/16" Hex Set Screws
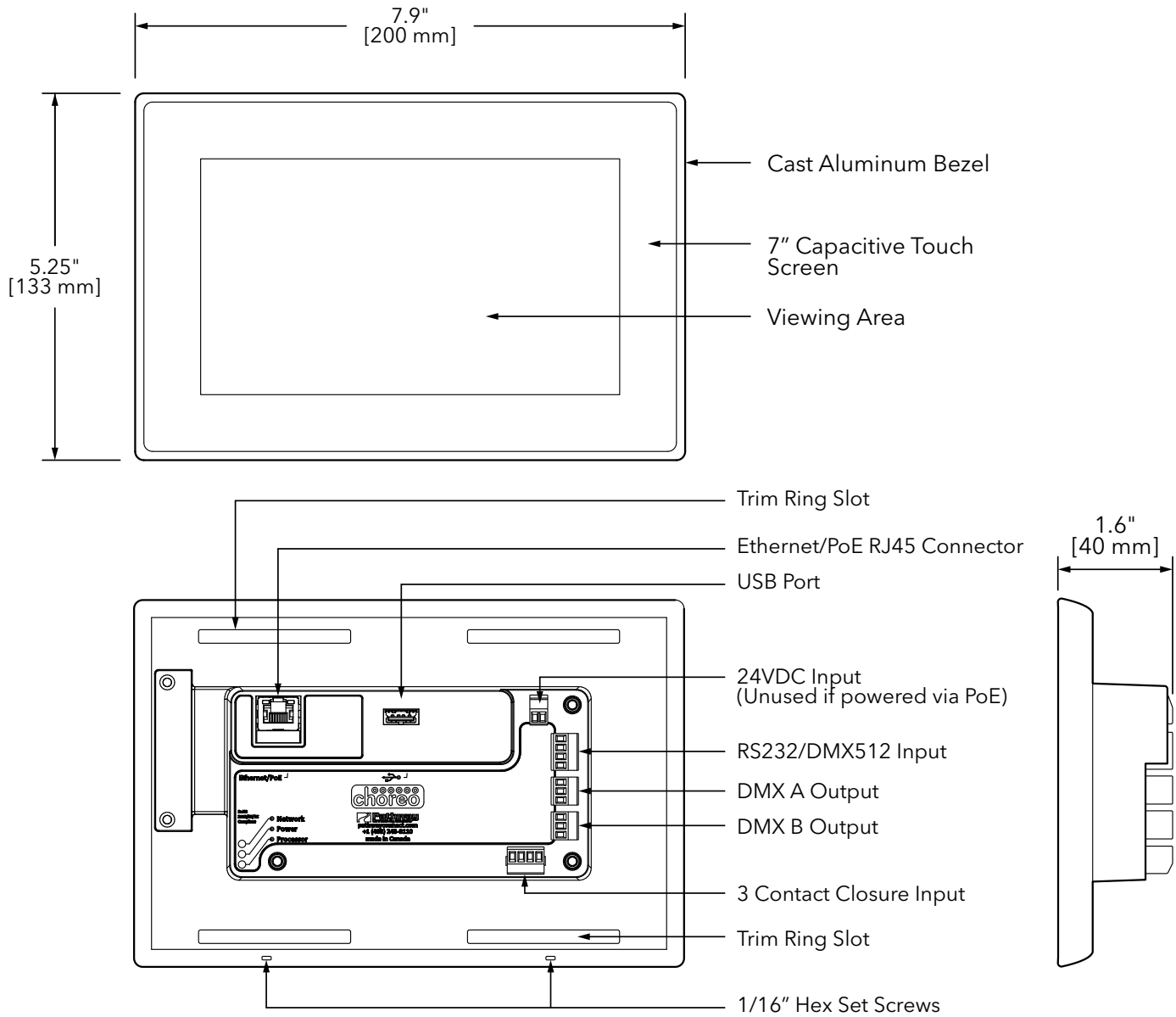
DIMENSIONS

Mounting Ring
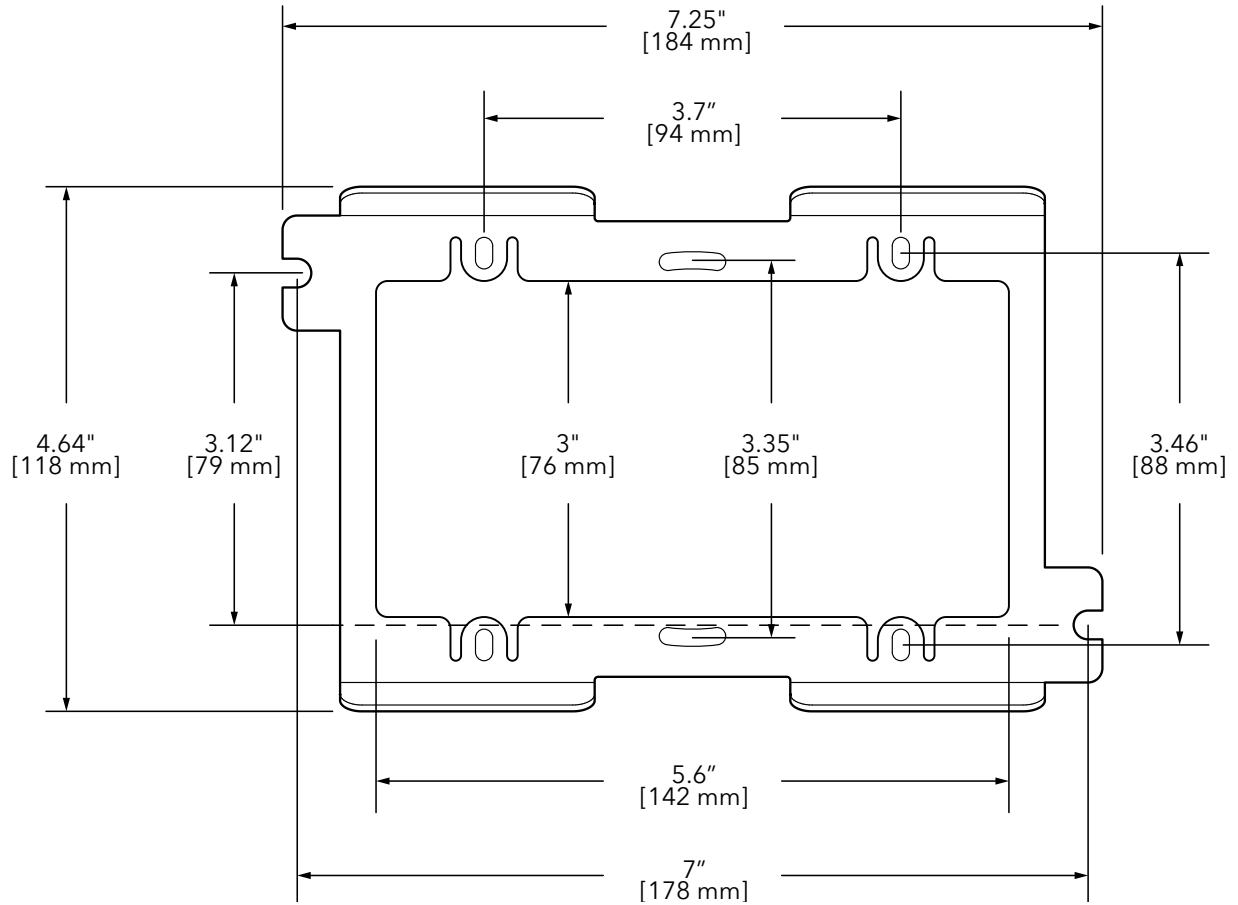
SAMPLE SCREEN SHOTS
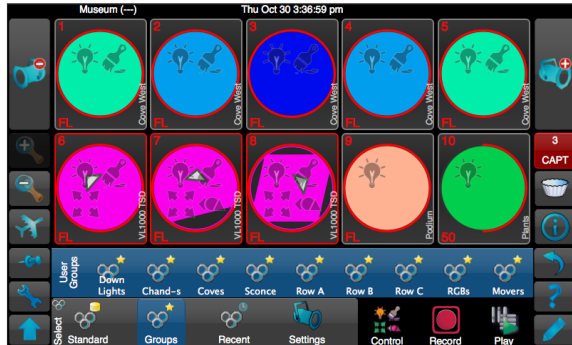
Select

Control

Record

Play

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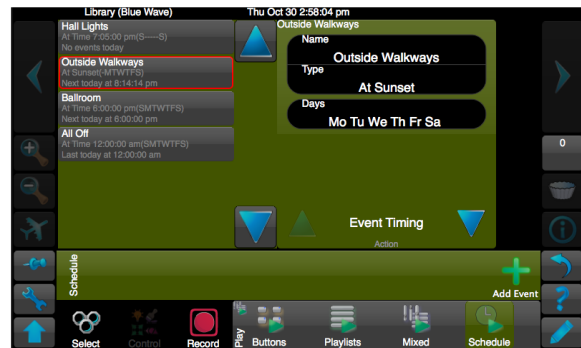
APPLICATION RISER

DMX-over-Ethernet

LED Wash Lights

Intelligent Fixtures

PWPP WM P2 XLR5F
Pathport Gateways

DMX512

DMX512

Other Devices and
Applications
RGB Cove Lighting
DMX Fountain Control
Exterior Facade Lighting
Recurring "Son et Lumiere" Events
Tunable White Light Fixtures
Marquee Effects
Interactive Displays

DMX512
Dimmer Rack

DMX512

Ethernet w/ PoE

Ethernet w/ PoE

Ethernet

Other Devices

PWVIA RM P12 RJ45EC DUO POE
Ethernet Switch

PWPP DIN P2
Pathport Gateway

Ethernet w/ PoE

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PWCHOREO
Architectural Controller

DMX512

Intelligent Fixtures

PWINS XLR5F [xxxx]
with
PWFP G1 [xxxx]
DMX Output Wall
Plate

PWINS XLR5F [xxxx]
with
PWFP G1 [xxxx]
DMX Output Wall
Plate

LED Wash Lights

DMX512

DMX512

DMX512
Dimmer Rack

50W
24VDC

Other Devices and
Applications
RGB Cove Lighting
DMX Fountain Control
Exterior Facade Lighting
Recurring "Son et Lumiere" Events
Tunable White Light Fixtures
Marquee Effects
Interactive Displays

DMX512

DMX512

PWREP WM P8 TERM
NONRDM SML
Wall-mount DMX
Repeater

PWINS XLR5M [xxxx]
with
PWFP G1 [xxxx]
DMX Input Wall
Plate

Line
Voltage

PWPWR DIN TERM
50W 24VDC Power
Supply

DMX512

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