



YOUR FIRST CHOICE FOR DMX AND DALI CONTROL

Benefit from Pharos expertise in dynamic architectural lighting with Pharos Express, the award-winning, cost-effective control solution centred around a single, reliable, set-and-forget controller that's easy to specify and install. The software guides the user, offering curated options for lighting control, scheduling and integration features.

With DMX, DALI and a couple of convenient contact closures and relays all on board, Express Control provides up to 3072 channels and is ideal for architectural lighting that requires the benefits of dynamic lighting for intelligent single-scene-per-space playback.

The free Express Touch mobile app provides auto generated pages of user controls on any smart device over local Wi-Fi. Also available are companion wall-mount touchscreens; the elegant 5" and 8" Express Touch, and completing the range are two accessories: Pharos Repeat which is a convenient DMX splitter for output distribution, and Pharos Switch for PoE networking.

With the reliability you expect from Pharos and our expertise in dynamic lighting in architecture and entertainment: an easy to install, easy to use control solution.

Supported in Pharos Express 2.0 or later.



One Controller



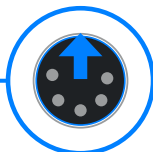
All you need in one stand-alone box. Up to 3072 channels of eDMX, two local DMX ports, a DALI port and two pairs of IO on board with simple networking for programming. All in one compact, DIN rail mount enclosure and optional keyhole hanging, with solid-state hardware for 24/7 operation and reliability.

Straightforward installation



Requiring just PoE or conveniently flexible 9-48V DC power range, with install-friendly rising-clamp connectors. Out-of-the-box, the test modes on the rotary dial select the output ports, and the push button allows raising and dimming levels for fixture testing. Test mode and levels can even be maintained indefinitely as working lights before commissioning and programming occur. Rotary dial also provides four programmable override states.

Output



Controllers available in one, two, four and six DMX universe capacities. Two self-healing ports for convenient patching to local DMX512. Pharos Repeat available for additional local DMX distribution. All channels are available over Ethernet distribution via eDMX protocols such as sACN and Art-Net, and via DMX ports on the Pharos RIO G4. The DALI port when connected to a powered DALI bus supports control for up to 64 DALI devices.

Easy IO Integration



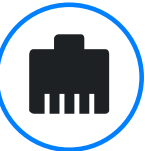
The two inputs / two outputs provide contact closure to interface with controls such as fire alarm systems and key-switch overrides. Receive DALI messages from other controllers such as wall panels or occupancy sensors.

Express Software

EXPRESS

The software will guide you through setting up and creating your lighting design, with helpers and clear, easy-to-follow processes. This commissioning application for Windows and macOS gives you just the tools you need, with curated options including familiar calendar-based scheduling and useful integration solutions. Spaces on the canvas simplify managing your installation, fixtures and lighting looks.

Network Connectivity



From a single Ethernet cable direct to a laptop just for programming, or a static, closed network just for your lighting data, to the facility's local IT network for greater connectivity including devices running the Express Touch mobile app, or even the Internet for comprehensive remote management via Pharos Cloud.

Express Touch mobile app



Download the Express Touch mobile app then connect phones and tablets via local Wi-Fi for a free user interface, with automatically generated pages created in Express software.

Remote Management



The control you need in your browser – from anywhere. Express Control can be connected to Pharos Cloud, our secure remote management service. Check controller status, monitor inputs and outputs, activate scenes, schedule events, upload new projects and much more.

Reliability



Made for permanent installation, with installer-friendly connectors and easy DIN rail mounting. Hardware and firmware are self-sufficient, so no PC needs to be left on site. Compact unit designed for 24/7 operation and reliability.



Supported Fixtures

LEDs	LEDs in any colour configuration (RGB, RGBW, RGBA, 8-bit, 16-bit, tuneable white)
Generic	Downlights, spotlights, uplights, etc. via controllable dimmers and relays
DALI	Ballasts are supported, such as single channel, Tc and XY
Multi-parameter	Set static values for position, focus and other extended fixture parameters

Output

DMX512	2 ports (max 512 channels each) ANSI E1.11-2008
RDM	Supports discovery and addressing via Express software
sACN	ANSI E1.31 standard
Art-Net	Art-Net I, Art-Net II and Art-Net 3
KiNET	KiNET V1, V2, V3; PDS/Data Enabler discovery
DALI	Support for single channel, Tc and XY
Simultaneous Capacity	Multiple protocols can be in operation simultaneously Limited by patched channels, not universes used

Interfaces

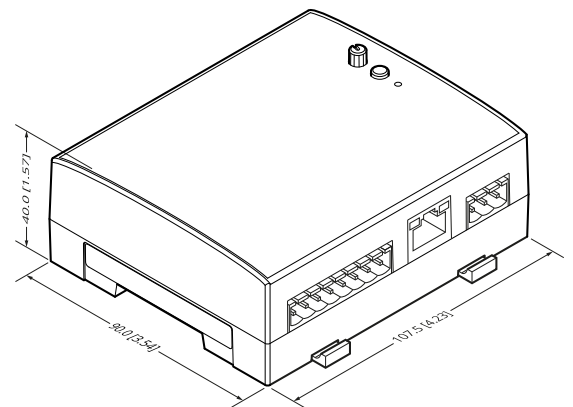
DMX512	Two individually isolated, self-healing DMX ports, RDM compatible *
DALI	Transmit and receive DALI commands * Supports DALI standards: EN 62386-101:2009, EN 62386-102:2009, EN 62386-202:2009, EN 62386-209:2011 A separate DALI bus power supply is required
Inputs	Two inputs, individually selectable operating mode for contact closure, digital or analogue input *
Relay Outs	Two individually isolated relay outputs *
Ethernet	RJ45 socket for 10/100Base-TX Ethernet with Link/Data LEDs; Static IP or DHCP; Dual IP address for eDMX
Rotary Dial	For test setups and programmed override states
Push Button	For test mode intensity
Touchscreen	Auto-generated interfaces via free mobile app over local Wi-Fi (access point required) and via Express Touch 5 and Touch 8 PoE wall stations
HTTP API	Control over most aspects of the controller's project from any device that can send HTTP requests
Integrations	Simple UDP Ethernet API, DALI commands, MQTT, Ethernet Output on Scene start

Order Code & Variants

XPC 1	Express Control 1 (Lighting controller 512 channels, 2 local DMX ports, eDMX, DALI, IO)
XPC 2	Express Control 2 (Lighting controller 1,024 channels, 2 local DMX ports, eDMX, DALI, IO)
XPC 4	Express Control 4 (Lighting controller 2,048 channels, 2 local DMX ports, eDMX, DALI, IO)
XPC 6	Express Control 6 (Lighting controller 3,072 channels, 2 local DMX ports, eDMX, DALI, IO)

Specifications

Power	9-48V DC * or PoE (IEEE802.3af, Class 2) 4W typical
Configuration	Pharos Express 2.0 or later
Data Storage	Removable MicroSD card (provided)
Temperature	0°C to 50°C (32°F to 122°F)
Humidity	10-90% relative, non-condensing
Ingress	IP40
Physical	6 unit wide DIN rail mounting enclosure (35/7.5 rail) Incorporated keyhole hangers 10.8 x 9 x 4 cm (4.2 x 3.5 x 1.6 in) 0.2 kg (0.5 lbs)
Shipping	19.5 x 15 x 7.5 cm (8 x 6 x 3 in) 0.35kg (0.8lbs)
Recovery	Hardware watchdog and recessed reset button



Warranty & Certifications

Designed and manufactured in the UK, with a 5-year warranty, where quality and reliability are our top priority.

Warranty 5 years

Certifications CE compliant, UKCA compliant, UL/cUL listed, may be used as part of a California Title 24 compliant lighting control system.



* Install-friendly 0.200" (5.08mm) plug in rising clamp connectors (included)

XPC26002