

modaLIGHT[®]

SPECIFICATION

PHAROS LPC X

The Pharos LPC X (Lighting Playback Controller X) offers an extreme level of power and integration, making it an ideal solution for landmark lighting installations with significant channel counts. It integrates with the full range of Pharos products and offers an optional real-time video input.



TRIGGERING & INTERGRATION

Startup	Commences programmed playback automatically on receiving power
Clock	Battery-backed real-time clock for calendar and time-based triggers
Astronomical	Sunrise/Sunset/Twilight and Lunar phases
Ethernet	UDP, TCP, Multicast; send/receive any Ethernet message
RS232 Serial	Configurable port; send/receive free syntax in ASCII, HEX or decimal
eDMX	sACN or Art-Net
Inputs	Contact closure, active low, active high or 0-24V analog level via RIOs
MIDI	MIDI Notes, SysEx or Timecode via RIO A
Timecode	Linear Timecode via RIO A (SMPTE, Film, EBU, NTSC)
Audio Level	Stereo 30-band spectrum analysis via RIO A
RS485 Serial	Via RIO; configurable port; send/receive free syntax in ASCII, HEX or decimal
DALI	Trigger on any message, via RIO D
Web Interface	Built-in or custom designed
Wall Stations	Integrate with BPS or TPC
Conditions	Full conditional logic support
Scripting	Lua scripting for total flexibility
Scalable	Supports Pharos Remote Devices

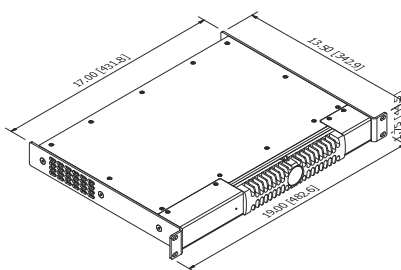
SUPPORTED FIXTURES

LEDs	LEDs in any colour configuration (RGB, RGBW, 8-bit, 16-bit, tuneable white)
Automated	Moving heads, yokes or scanners
Generic	Downlights, spotlights, uplights, etc. via controllable dimmers, relays or ballasts
Fountain Jets	Fountain jets for fountain animation or other animatronics
Fixture Library	Pharos offers a cloud library with over 13,000 fixture profiles, for easy download of your luminaires

OUTPUT

sACN	ANSI E1.31 (with per fixture priority) standard
Art-Net	ArtNet, ArtNet II and ArtNet III (configurable broadcast override)
KiNET	KiNET V1 (DMX out) and V2 (Port out); PDS/Data Enabler discovery
Pathport	Pathway Connectivity protocol
DVI-I	DVI-I output for video-mapped fixtures
DMX512	Via any eDMX node
DALI	Via RIO D (supplied separately)
Scalable	Synchronises with up to 40 Pharos Controllers over network
Simultaneous	Multiple protocols can be in operation simultaneously. Limited by patched channels, not universes used

DIMENSIONS



STANDARDS & CERTIFICATIONS



Project Name:

Notes:

SPECIFICATIONS

Certifications	CE compliant, ETL/cETL listed
Power	100-240VAC / 50-60HZ / 0.4-0.2A 40W typical (100W maximum) IEC connector with switch UK, EU and US cable supplied
Data Storage	Internal 16GB SSD (supplied)
Temperature	0°C to 50°C (32°F to 122°F)
Physical	19" Rack unit, 1U, 13.5" deep
Weight	3.1 kg (6.8 lbs)
Shipping	57 x 45 x 18 cm (22" x 18" x 7")
Recovery	Hardware watchdog and recessed reset button
Warranty	5 years

INTERFACES

Ethernet	Neutrik etherCon (RJ45 compatible) for 10/100/1000Base-TX Ethernet with Link/Data LEDs; Fixed IP or DHCP
eDMX	Dedicated Ethernet port for eDMX; Neutrik etherCon (RJ45 compatible) for 10/100/1000Base-TX Ethernet with Link/Data LEDs; Fixed IP or DHCP
Serial	RS232 via DB9 connector
USB	Two USB 2.0 Type A ports
Audio Out	Stereo analog & digital audio ports (for future development)
DVI-D Input	Video input up to 1080p60 (with DVI-D IN option)

ORDER CODE & VARIANTS

LPC 10	Lighting Playback Controller 10 (5,120 channels eDMX/DVI)
LPC 20	Lighting Playback Controller 20 (10,240 channels eDMX/DVI)
LPC 30	Lighting Playback Controller 30 (15,360 channels eDMX/DVI)
LPC 40	Lighting Playback Controller 40 (20,480 channels eDMX/DVI)
LPC 50	Lighting Playback Controller 50 (25,600 channels eDMX/DVI)
LPC 60	Lighting Playback Controller 60 (30,720 channels eDMX/DVI)
LPC 70	Lighting Playback Controller 70 (35,840 channels eDMX/DVI)
LPC 80	Lighting Playback Controller 80 (40,960 channels eDMX/DVI)
LPC 90	Lighting Playback Controller 90 (46,080 channels eDMX/DVI)
LPC 100	Lighting Playback Controller 100 (51,200 channels eDMX/DVI)
LPC 10 DVI	Lighting Playback Controller 10 DVI-IN (5,120 channels eDMX/DVI, DVI-D IN)
LPC 20 DVI	Lighting Playback Controller 20 DVI-IN (10,240 channels eDMX/DVI, DVI-D IN)
LPC 30 DVI	Lighting Playback Controller 30 DVI-IN (15,360 channels eDMX/DVI, DVI-D IN)
LPC 40 DVI	Lighting Playback Controller 40 DVI-IN (20,480 channels eDMX/DVI, DVI-D IN)
LPC 50 DVI	Lighting Playback Controller 50 DVI-IN (25,600 channels eDMX/DVI, DVI-D IN)
LPC 60 DVI	Lighting Playback Controller 60 DVI-IN (30,720 channels eDMX/DVI, DVI-D IN)
LPC 70 DVI	Lighting Playback Controller 70 DVI-IN (35,840 channels eDMX/DVI, DVI-D IN)
LPC 80 DVI	Lighting Playback Controller 80 DVI-IN (40,960 channels eDMX/DVI, DVI-D IN)
LPC 90 DVI	Lighting Playback Controller 90 DVI-IN (46,080 channels eDMX/DVI, DVI-D IN)
LPC 100 DVI	Lighting Playback Controller 100 DVI-IN (51,200 channels eDMX/DVI, DVI-D IN)