

PHOENIX 10/XT

Lighting Control System



PHOENIX 10/XT belongs to the second generation of the PHOENIX lighting control systems introduced in 1999 and features a redesigned and much enhanced software platform. PHOENIX 10/XT is the top end console for the most discerning users in major, TV and Theatre venues.

Main operating Features

- 512 channels (instruments) for controlling luminaires, colour changers and moving lights, expandable in blocks of 512 channels (instruments) up to 12 blocks or 6144 channels (instruments).
- 8192 DMX addresses OUT (16 universes) with proportional patch available through ADB Ethernet nodes.
- 2048 DMX addresses IN (4 universes) with proportional patch for injecting / merging values for allocation to luminaires, colour changers and moving lights.
- Unrestricted allocation of luminaires, colour changers and moving lights to channels (instruments) and DMX outputs (a 20 parameter moving light requires 1 channel only but 20 DMX addresses).
- Each channel or parameter can be defined as HTP-FTP-LTP.
- 9999 lighting memories integrating values and times for luminaires, colour changers and moving lights.
- Possibility to allocate to any luminaire, or colour changer, or moving light parameter specific times for building complex crossfades. All channels / parameters can run different wait and fade times simultaneously.
- Possibility to allocate to any memory an automatic or individual move in black with a "look ahead" option.
- Possibility to load, record and copy specific parts of a lighting state, of a preset focus or of an instrument.
- Advanced Unfold function for moving lights and colour changers (Unfold -> Automatic function to link the parameters of a moving light to faders).
- Powerful learn function.
- Intelligent link function to create events for the playback.
- 16 pre-programmed editable dimmer curves.
- 999 groups
- 99 chasers of 99 steps for luminaires, colour changers and moving lights.
- 99 chasers with individual step times (Cue-list chasers).
- Library of 20 pre-programmed effect patterns for building up to 99 special effects.
- Advanced Effect Engine for moving lights, colour changers and conventional luminaires with more than 30 pre-programmed patterns.
- 99 banks of submasters.
- 999 preset focus for colour changers and moving lights.
- Instrument library with more than 300 different fixtures and colour changers; possibility to create from scratch new device definitions or edit existing definitions.
- Open screen lay-out to fit individual requirements.
- Direct access with pop-up menus to lists of memories, groups, chasers, libraries, preset focus, macros.
- Selective loading and downloading (network) specific parts of data from different existing shows, e.g. from networked desks.
- Multi-merge allows multi-desk programming.
- Data storage on hard disk and archiving on 3.5" floppy disks.
- ASCII text compatible Import / Export function.
- 999 Macros for direct use or linked to the sequence, to keys, external lines or MIDI events.
- State-of-the-art Ethernet functions, allow full tracking back-up, multi-merge of data, DMX through Ethernet, remote monitoring, file sharing, etc...
- Supports MIDI and MIDI Time Code.
- Date and Time stamp on any piece of data.
- Software and on-line Help with hypertext links in several languages, with the possibility to add a personal language via the ADB Translator.

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General Architecture

Control Desk



External Processing Unit

Tower version

19" version



- 96 submasters over 4 pages of 24 faders for running effects, chasers, timed playbacks, groups, memories, moving lights and more !
- High-grade wheel for intensity, times, colour, submasters, etc...
- 1 keypad for channel, colour, group, selection and 1 dedicated keypad for memory selection and editing.
- Display for channel & memory selections and for intensity setting.
- Two theatre / TV playback fader pairs (Stage and Preset) for crossfading or piling memories, manually or automatically, with on-board displays for visualizing the Stage and Preset contents. Dedicated set of keys for holding or reversing a running crossfade, for jumping to next or previous memories, using or not the times, for browsing forward and backward the sequence without any influence on stage. Two digital endless belts with integrated bargraph for speed alteration of a running crossfade.
- Special effect, chaser and loop keys.
- Motion control trackball.
- 4 control wheels for adjusting 4 parameters simultaneously with 4 associated displays for visualizing the parameters under control.
- Comprehensive set of keys for a direct access to motion and colour elements.
- On-board touch sensitive LCD display (120 x 90 mm) for an easy and direct access to predefined motion control libraries, reducing dramatically the time needed to programme moving lights.
- 1 Grand Master fader, 1 Blackout key and two keys for overriding the output values plus 1 configurable fader and associated black-out key plus additional virtual faders for mastering the submasters, the flashes, the auditorium, the DMX Input, the Audio,...
- 8 context sensitive function keys.
- Set of keys to load, record and copy only specific parts of a lighting state.
- Direct access to 8 macros.

- Set of keys allowing direct access to high-level managing functions like Save, Load, Print, Synchro, Diagnostic,...
- All interfaces for riggers, Ethernet, Audio, MIDI already installed.
- Elegant design and high level professional finish. High quality components for top reliability.
- Based on an industrial PC with a high speed CPU for the ultimate in quality and reliability.
- High capacity hard disk for storage + 3.5" floppy disk drive for archiving.
- High speed CD-ROM reader for software updates.
- LINUX operating system providing multi-user and pre-emptive multitasking capabilities.
- Very short boot-up time.

Standard Ethernet functions

- Synchronizing / tracking.
- Up to 16 desk subnets on a network, up to 16 masters on a network, up to 16 slaves on a network, unlimited amount of desks on a subnet.
- ArtNet compatible.
- MSD / Wysiwyg / Sandnet compatible.
- File server with or without password protection.
- On/off-line editing.
- Remote monitors.
- Multi-user / Multi-merge.
- ADB nodes: NETPORT, NETPORT XT; ArtNet nodes.
- Point to point and broadcast.
- And many other Ethernet functions.

Remote Control

- Optional wireless (Wi-Fi) remote control via pocket PC with dedicated software.
- Optional wireless (HF) remote control via sturdy and compact transmitter.

Back-up

A second EPU provides an economical solution for a back-up system (PHOENIX/RB/XT). It can be operated via the alphanumeric keyboard, the mouse or any PHOENIX/XT control desk.

Technical Characteristics

	Control Desk	EPU (tower version)	EPU (19" version)
Power Supply	85 to 264 V 10 W - 47 / 440 Hz	90 to 127 V / 200 to 240 V (switchable) 60 W - 50 / 60 Hz - 15 °C ... 35 °C	100 to 120 V / 200 to 240 V (switchable) 50 / 60 Hz
Dimensions	1200 x 525 x 128 mm	205 x 390 x 505 mm	19" x 4U x 518 mm
Weight	22 kg	15.3 kg	18.1 kg

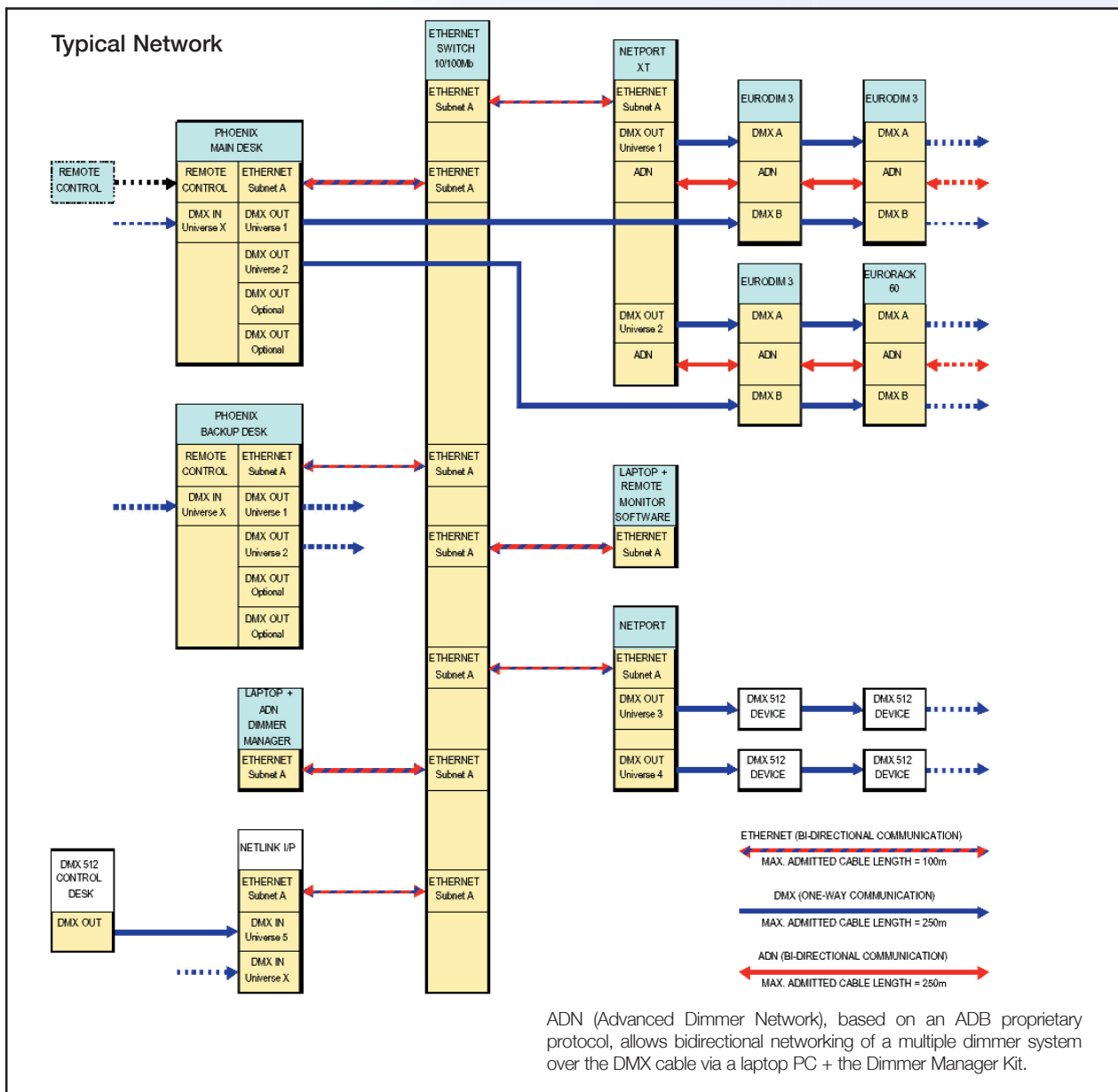
Rear Panel



- 2 DMX outputs (expandable to 4) with galvanic isolation
- 1 DMX input with galvanic isolation
- 1 Audio input
- MIDI In-Out-Thru
- 8 External lines for remote triggering
- 1 Infrared remote control input for up to 2 receivers

On the External Processing Unit:

- 1 Ethernet port RJ 45
- 1 Serial EIA/RS-232 port (COM)
- 1 Parallel port for printer
- 1 SVGA output (expandable to 2 or 4)
- Mouse and keyboard ports



“Ethernet Subnets” and “DMX Universes” can be selected freely

PHOENIX 10/XT

Ordering Information

<p>PHOENIX 10/XT Lighting Control System</p> <p>Basic configuration consisting of :</p> <ul style="list-style-type: none"> • 1 control desk • 1 External Processing Unit (tower) + keyboard, mouse & CD-ROM reader • 1 printer output, 1 mouse input • 1 SVGA output • LINUX operating system and software for 512 channels (instruments) • 2 physical DMX outputs / 8192 DMX addresses OUT (16 universes) • 1 physical DMX input / 2048 DMX addresses IN (4 universes) • Ethernet RJ45, IR input, Audio, MIDI, external lines, 1 serial EIA/RS-232 port • Supply and interconnection cables • 1 dust cover + instruction manual 	PHOENIX 10/XT
<p>PHOENIX RB/XT Back-up System</p> <ul style="list-style-type: none"> • Hardware configuration same as PHOENIX 10/XT, however without control desk, IR input, Audio, MIDI and external lines • Software configuration same (channels, DMX universes) as main desk 	PHOENIX RB/XT
<p>Options</p> <ul style="list-style-type: none"> • Additional block of 512 channels (instruments) up to 12 blocks or 6144 channels (installed free of charge on a PHOENIX/RB/XT when ordered with a PHOENIX/XT) • 4 physical DMX outputs • 2 SVGA outputs • 4 SVGA outputs • Channel/DMX upgrade (retrofit) service charge • Software upgrade from PHOENIX to PHOENIX/XT - Main desk • Software upgrade from PHOENIX to PHOENIX/XT - Second desk or back-up • External Processing Unit in a 19" rack instead of a tower • Wi-Fi remote control system (Pocket PC + one Access Point + software) • Additional Wi-Fi Access Point • Wi-Fi software for Pocket PC • HF Remote control system (1 transmitter + 1 receiver) 	512CH/P 4DMX/OUT/P 2SVGA/P 4SVGA/P PHOENIX/UP/SC P/PXT/UP/1 P/PXT/UP/2 EPU/RACK/P WIFI/FULL/M WIFI/REC/M WIFI/SOFT/M HF/FULL
<p>Accessories</p> <ul style="list-style-type: none"> • SVGA 17" monitor • SVGA 15" LCD TFT monitor • Flight case for PHOENIX 10/XT • Flight case for External Processing Unit (tower) • Flight case for 15" LCD TFT monitor • External worklight + dimmer + power supply • PHOENIX connector kit • SVGA video extension cable (4.5 m) • CD-ROM reader (retrofit) • Ethernet synchro cable (6 m) • Wireless trackball • Removable USB flash memory device 	MON17/P LCD/P FLY/P10/P FLY/EPU/P FLY/LCD/P WORKLITE/P PLUGKIT/P VGA/EXT/P CD-ROM/V C.SYNC/NET WIFI/TB/M FLASMEM

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