

# PHOENIX 5/XT

## Lighting Control System



PHOENIX 5/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 5/XT is a high performance system intended for medium to large size stages, TV studios, touring, ... and as a back-up unit for PHOENIX 10/XT.

### 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.

# PHOENIX 5/XT

## General Architecture

### Control Desk



- 96 submasters over 4 pages of 24 faders for creating and running effects, chasers, timed playbacks, groups, memories, moving lights and more.
- High grade wheel for intensity, times, colour, submasters, etc.
- On-board display for channel & memory selections and for intensity setting.
- On-board display for visualising stage and preset contents
- Two theatre / TV playback fader pairs (Stage and Preset) for crossfading or piling memories, manually or automatically. Dedicated set of keys for holding, reversing or controlling the speed of 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 the stage.
- Special effect, chaser and loop keys.
- Motion control trackball.
- 3 control wheels for adjusting 3 parameters simultaneously.
- Comprehensive set of keys for a direct access to motion and colour elements.
- 1 keypad for channel, memory, colour, group, ... selection.
- 1 Grand Master fader, 1 Black-Out key and two keys for overriding the output values 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, Audio, MIDI, Ethernet already installed.
- Elegant design and high level professional finish. High quality components for top reliability.

### 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	980 x 525 x 128 mm	205 x 390 x 505 mm	19" x 4U x 518 mm
Weight	16.9 kg	15.3 kg	18.1 kg

### External Processing Unit

Tower version

19" version



- 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 and capture (CITP) 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.

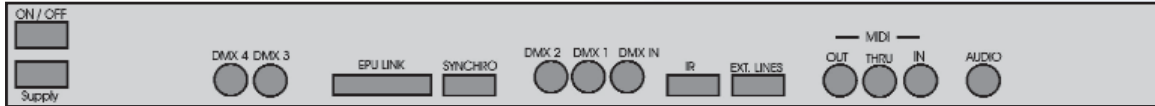
### Remote Control

- 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.

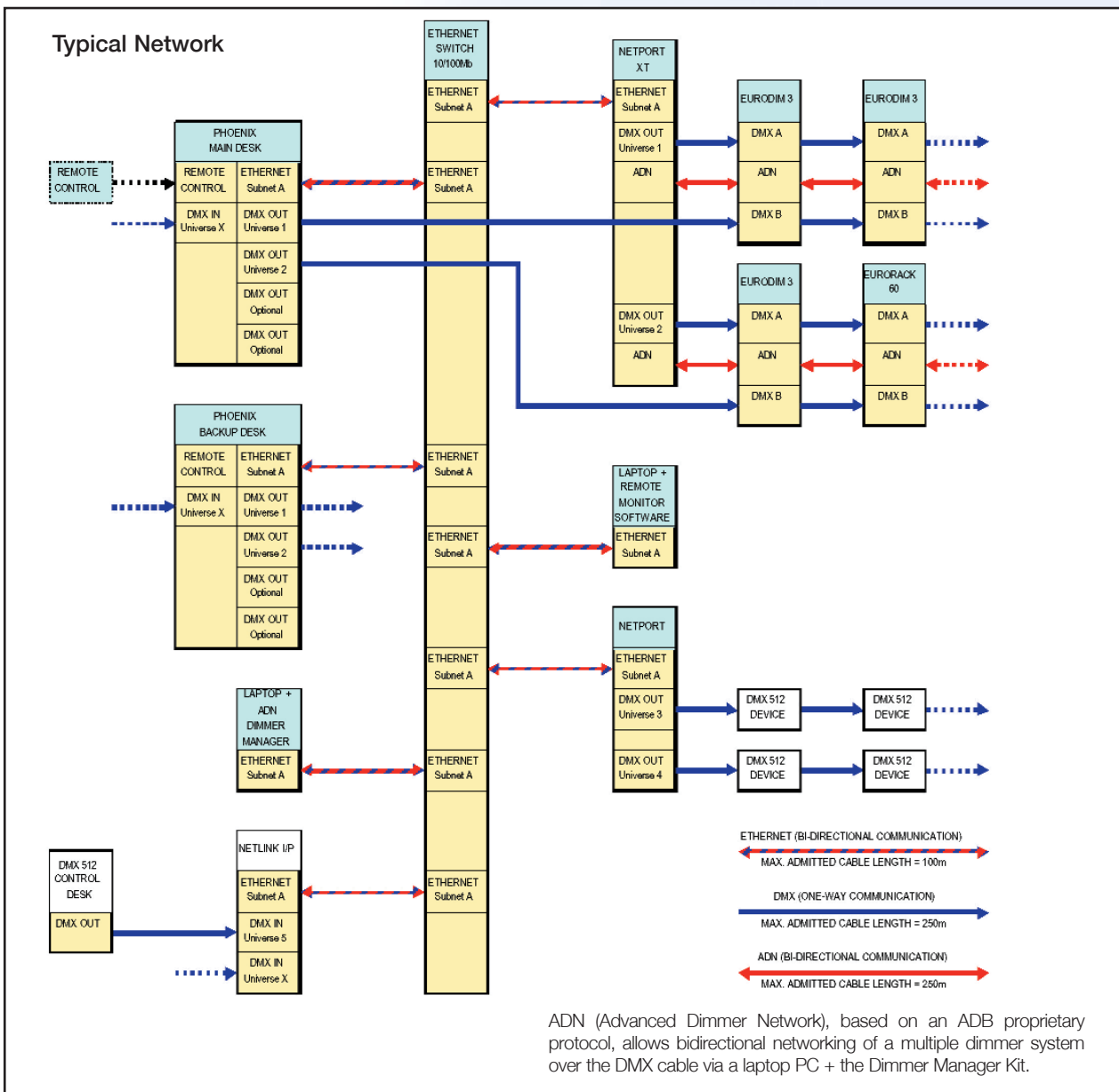
## Rear Panel



- 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 5/XT

## Ordering Information

<p><b>PHOENIX 5/XT Lighting Control System</b></p> <p>Basic configuration consisting of :</p> <ul style="list-style-type: none"> <li>• 1 control desk</li> <li>• 1 External Processing Unit (tower) + keyboard, mouse &amp; CD-ROM reader</li> <li>• 1 printer output, 1 mouse input</li> <li>• 1 SVGA output</li> <li>• LINUX operating system and software for <b>512</b> channels (instruments)</li> <li>• 2 physical DMX outputs / <b>8192</b> DMX addresses OUT (16 universes)</li> <li>• 1 physical DMX input / <b>2048</b> DMX addresses IN (4 universes)</li> <li>• Ethernet RJ45, IR input, Audio, MIDI, external lines, 1 serial EIA/RS-232 port</li> <li>• Supply and interconnection cables</li> <li>• 1 dust cover + instruction manual</li> </ul>	PHOENIX 5/XT
<p><b>PHOENIX RB/XT Back-up System</b></p> <ul style="list-style-type: none"> <li>• Hardware configuration same as PHOENIX 5/XT, however without control desk, IR input, Audio, MIDI and external lines</li> <li>• Software configuration (channels, DMX universes) same as main desk</li> </ul>	PHOENIX RB/XT
<p><b>Options</b></p> <ul style="list-style-type: none"> <li>• 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)</li> <li>• 4 physical DMX outputs</li> <li>• 2 SVGA outputs</li> <li>• 4 SVGA outputs</li> <li>• Channel/DMX upgrade (retrofit) service charge</li> <li>• Software upgrade from PHOENIX to PHOENIX/XT - Main desk</li> <li>• Software upgrade from PHOENIX to PHOENIX/XT - Second desk or back-up</li> <li>• External Processing Unit in a 19" rack instead of a tower</li> <li>• Wi-Fi remote control system (Pocket PC + one Access Point + software)</li> <li>• Additional Wi-Fi Access Point</li> <li>• Wi-Fi software for Pocket PC</li> <li>• HF Remote control system (1 transmitter + 1 receiver)</li> </ul>	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><b>Accessories</b></p> <ul style="list-style-type: none"> <li>• SVGA 17" monitor</li> <li>• SVGA 15" LCD TFT monitor</li> <li>• Flight case for PHOENIX 5/XT</li> <li>• Flight case for External Processing Unit (tower)</li> <li>• Flight case for 15" LCD TFT monitor</li> <li>• External worklight + dimmer + power supply</li> <li>• PHOENIX connector kit</li> <li>• SVGA video extension cable (4.5 m)</li> <li>• CD-ROM reader (retrofit)</li> <li>• Ethernet synchro cable (6 m)</li> <li>• Wireless trackball</li> <li>• Removable USB flash memory device</li> </ul>	MON17/P LCD/P FLY/P5/P FLY/EPU/P FLY/LCD/P WORKLITE/P PLUGKIT/P VGA/EXT/P CD-ROM/V C.SYNC/NET WIFI/TB/M FLASHMEM

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