

MENTOR/XT

Lighting Control System



MENTOR/XT is a top end alternative to the successful MENTOR lighting control desk introduced in 2005. The “4 desks in 1” concept has been very much enhanced with the addition of a state-of-the art motion control section and a flexible 48, 72 or 96-submaster capability.

Main operating Features

- 512 channels (instruments) for controlling luminaires, colour changers and moving lights, expandable from 512 to 2048 channels (instruments), 48 submasters expandable to 96.
- 8192 DMX addresses OUT (16 DMX universes) with proportional patch available through ADB Ethernet Network.
- 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-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.
- Cue lists.
- 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 USB stick.
- 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

- 48 submasters over 2 pages of 48 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.
- 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.
- Motion control trackball.
- 4 control wheels for adjusting 4 parameters simultaneously with 2 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 and 1 Blackout key.
- 8 context sensitive function keys.
- Set of keys to load, record and copy only specific parts of a lighting state.
- Direct access to 30 macros and 36 programmable keys.
- All interfaces for riggers, Ethernet, Audio, MIDI already installed.
- Elegant design and high level professional finish. High quality components for top reliability.
- High capacity hard disk for storage + USB stick for archiving.
- LINUX operating system providing multi-user and pre-emptive multitasking capabilities.
- Very short boot-up time.

Standard Ethernet functions

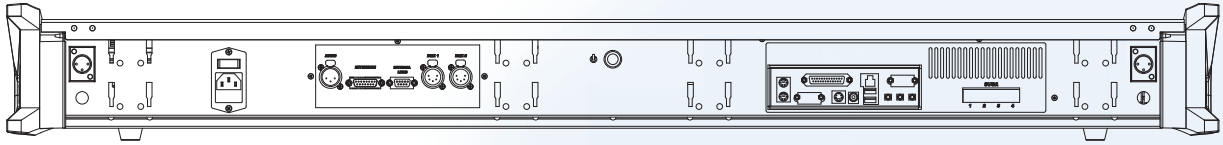
- Synchronizing / tracking.
- Up to 16 desk subnets on a network, up to 16 masters on a network, up to 16 slaves on a network, unlimited amount of desks on a subnet.
- ArtNet compatible.
- MSD / Wysiwyg / Sandnet / Capture compatible.
- Media servers: Coolux, Arkaos, Catalyst compatible.
- File server 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.



Rear Panel



MENTOR/XT - 512 channels (instruments)
MENTOR/XT - 1024 channels (instruments)
MENTOR/XT - 2048 channels (instruments)

Supplied with:

- Alphanumerical keyboard
- External floppy disk
- Supply cable
- Dust cover
- USB stick
- Instruction and system manual

Technical Characteristics

Power supply : 90 - 264 V - 50 / 60 Hz

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Dimensions : 1260 x 475 x 130 mm

Weight : 15 kg

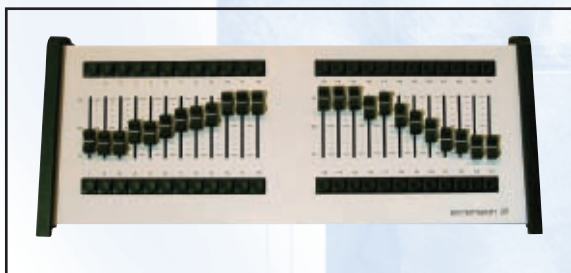
Extension Module

Dimensions : 540 x 200 x 80 mm

Weight : 1.5 kg

Connections

- 1 SVGA output up to 4
- 2 DMX outputs XLR5
- 1 Audio input
- 8 external lines for remote triggering
- 1 Ethernet port (RJ45)
- 1 serial EIA/RS-232 port
- 2 USB 2.0 ports
- 1 mouse port
- 1 keyboard port
- 1 port for Extension (DB15) modules
- On / Off switch
- 2 XLR3 for "gooseneck lamps"



MENTOR/XT Extension Module

Extension Module

The extension module extends the MENTOR XT functionality and gives you the ability to have more submasters and more access to your console. Modular design for future expansion.

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Ordering Information

	References
<p>MENTOR/XT - 512 channels (instruments) MENTOR/XT - 1024 channels (instruments) MENTOR/XT - 2048 channels (instruments)</p> <p>Basic configuration consisting of :</p> <ul style="list-style-type: none">• 48 physical submasters (expandable to 72 or 96 with 120 faders)• 2 DMX universes on XLR5• 16 DMX universes through Ethernet• LINUX operating system and 4th generation ISIS® software• Motion control section with a 7-colour trackball and 4 encoding wheels with displays• Universal power supply 90-264 V, 50-60 Hz• 1 SVGA output (optional 2 or 4)• 8 external lines for remote triggering• 1 Audio input• 1 Ethernet, 1 serial EIA/RS-232 and 2 USB ports• 1 mouse and 1 keyboard port• 1 port for submaster Extension modules• 2 XLR3 for "gooseneck" desk lamps	<p>MENTOR/XT/512 MENTOR/XT/1024 MENTOR/XT/2048</p>
<p>Options</p> <ul style="list-style-type: none">• 24-Submaster MENTOR Extension wing*• 24-Submaster MENTOR/XT Extension module*• Additional block of 512 channels (instruments) up to 3 blocks or 6144 channels• 2 SVGA outputs• 4 SVGA outputs• Retrofit kit SVGA• Wi-Fi remote control system (Pocket PC + 1 Access Point + software)• Additional Wi-Fi Access Point• Wi-Fi software for Pocket PC• HF Remote control system (1 transmitter + 1 receiver)• Video Node with supply cable	<p>SUB24/EXT/M MOD24/EXT/MXT 512CH/P 2SVGA/P 4SVGA/P KIT/SVGA/MXT WIFI/FULL/M WIFI/REC/M WIFI/SOFT/M HF/FULL VIDEONODE</p>
<p>Accessories</p> <ul style="list-style-type: none">• 17" LCD/TFT monitor• 17" LCD/TFT monitor with integrated telescopic stand• MIDI cable• USB memory stick• XLR3 "gooseneck" desk lamp• Flight case for MENTOR/XT• Flight case for MENTOR/XT Extension module• Flight case for MENTOR Extension wing	<p>LCD17 LCD17/P C.MIDI/M FLASHMEM WORKLITE/XLR3 FLY/MXT FLY/MOD24/MXT FLY/SUB24/M</p>

* MENTOR XT can be extended with up to

- 4 wings or
- 3 wings and 1 module or
- 2 wings and 2 modules.

ADB - Your Partner for Light

Belgium	N.V. ADB-TTV Technologies S.A. (Group Headquarters) Leuvensesteenweg 585, B-1930 Zaventem Tel : 32.2.709.32.11, Fax : 32.2.709.32.80, E-Mail : adb@adblighting.com
Deutschland	ADB GmbH Boschstrasse 3, D-61239 Ober-Mörlen Tel : 49.6002.93.933.0, Fax : 49.6002.93.933.33, E-Mail : info@adblighting.de
France	ADB S.A.S. Sales Office: 168/170, boulevard Camélinat F-92240 Malakoff Tel : 33.1.41.17.48.50, Fax : 33.1.42.53.54.76, E-Mail : adb.fr@adblighting.com Factory & Group Logistics Centre: Zone industrielle Rouvroy F-02100 Saint-Quentin Tel : 33.3.23.06.35.70, Fax : 33.3.23.67.66.56, E-Mail : adb.fr@adblighting.com

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DS-1233-E-4I Subject to modifications