

FLX S48 CONSOLE

Date: _____
Type: _____
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Name: _____
Project: _____

The FLX S48 Console is a 48 fader lighting control surface that brings the legacy and power of our consoles in an easy-to-use package at an affordable price. A lighting design-centric console built for the non-designer, the FLX S48 allows any user to quickly create beautiful looks in less time, and is the perfect console for schools, houses of worship, broadcast studios, and portable applications.

Built on the award-winning ZerOS software, the FLX S48 includes an intuitive, user-friendly interface. The onboard 7" multitouch screen, four physical encoders and seven dedicated physical buttons simplify operation, while support for an external touchscreen monitor offers additional control capabilities. The ZerOS software makes it easy to design the perfect look, with multiple color selection options and intuitive moving head fixture control. To ensure users can get the job done without getting lost, ZerOS includes an on-board Guidance tool and quick select Z button.



- Cost effective 48 fader console with support for 1024 channels of control
- Award-winning ZerOS software - mature, easy-to-use software you can trust
- Simple "three-step programming" - Select what you want, where you want to control them, and how you want them to look
- 7" Multitouch screen - easily adjust colors, moving lights, and other settings
- External monitor support - connect third party touchscreen display for a bigger control surface
- 4 physical encoders and 7 dedicated buttons for go, record, delete, etc. - faster and more intuitive control, particularly in a live environment
- Image picker for control selection - upload a photo and select different colors in one or more spots in the image to add color variation and depth
- Multicell fixture support - control all pixels in a multiple pixel fixture as easily as single-cell fixtures without intensity conflicts. Easily apply color gradients and dynamic effects
- Mood Boards by LEE Filters - quickly select the perfect color palette for your mood
- Onscreen Guidance tool - never get lost thanks to situationally aware, but unintrusive on-screen tips and advice in English, Spanish, French, and German
- Exclusive Z button for quick access to important tools - easily perform common actions anywhere in the console
- 2 x 5-pin DMX ports and support for Ethernet protocols such as sACN, Art-Net, C1TP, OSC, Vision.Net etc. - versatile network and physical connectivity options
- Up to 64 universes of DMX connectivity - control all the fixtures in your rig and patch them however you want to organize them
- RigSync - simplify commissioning and management thanks to exclusive technology that finds fixtures using RDM, automatically patches them, then continually monitors the system and adapts to changes



VARI*LITE

Specifications

Due to continuous improvements and innovations, specifications may change without notice.

Electrical

Operating Voltage (PSU)	100-240V AC; max. 2A
Operating Voltage (Console)	12V DC
Power Input (PSU)	1x IEC C14
Power Input (Console)	1x 2.1mm DC barrel connector

Data

Included license	2x Universes (1,024 Channels)
DMX Out / DMX In / Vision.Net	2x Neutrik 5-pin female XLR
Display Output	1x DVI-D (XGA)
Ethernet	1x RJ45
USB	2x USB Type-A

Connectivity

Protocols	DMX512 RDM Streaming ACN (E1.31) Art-Net CITP OSC (Open Sound Control) Vision.Net (Receive only) KiNet Philips Hue
Files	USITT ASCII Showfiles GDTF
Other	iOS & Android apps

Certification and Safety

Approbations	UL, cUL, CE, RCM, UKCA
Conformity	EN 62368-1, UL 62368-1, CSA C22.2 No 62368-1, BS EN 62368-1

Capacity

96 Fixtures (single or multiple DMX channels)
10,000 Cues
97 Playbacks
480 Palettes (Position, Color, Beam, Shape and Effect)
96 Groups
45 Auto Effects
Up to 96 Fixture Macros

Software Key Features

Full tracking and optional non tracking
Multi-touch color & image picker
“Mood Boards by LEE Filters”
Multi-touch Pan/Tilt grid
Auto palettes, groups and fixture macros
Gobo previews and library
Move on Dark
Wireless remote control and remote monitor apps
RigSync (RDM)
Multicell fixture support
Onscreen guidance tool
Offline editor (Windows PC)

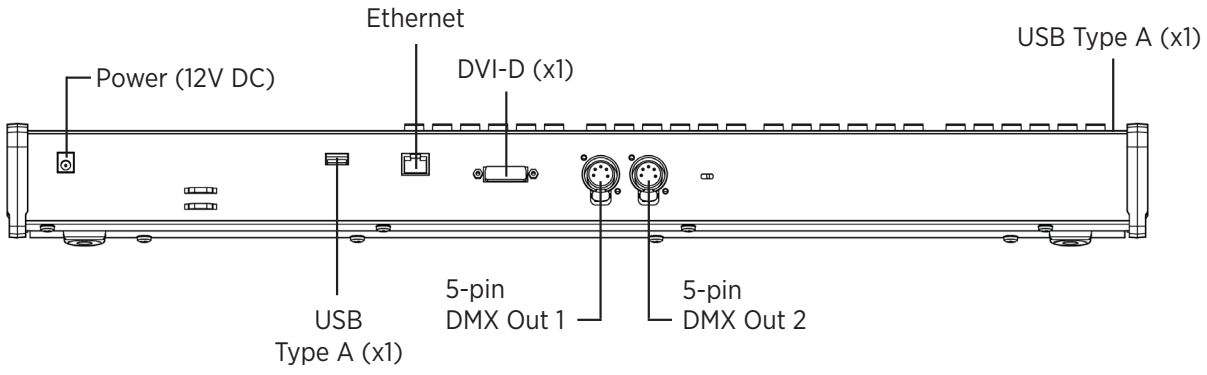
User interfaces

Internal touchscreens	1x 7” multi-touch
External touchscreens	1x XGA (optional)
Faders	49x multifunctional faders (2 pages)
Encoders	4x Attribute & Intensity

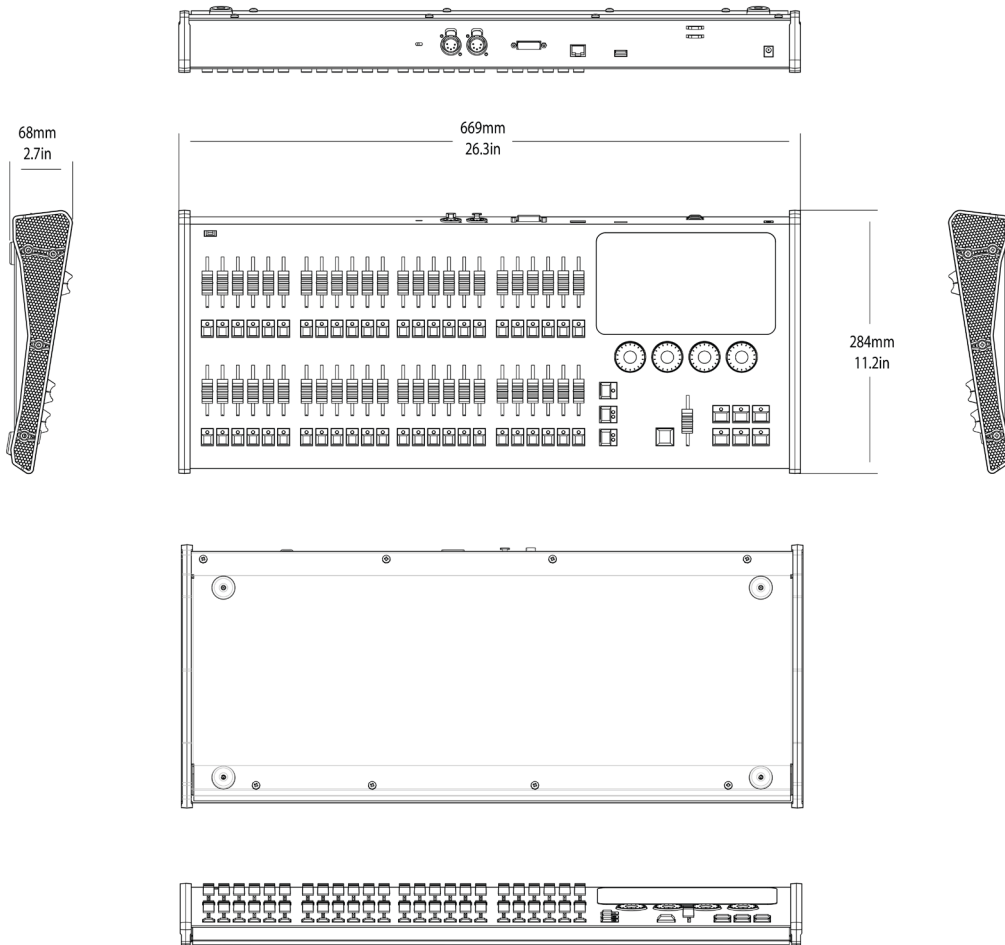
Physical

Color	Black & Dark Grey
Operating temperature	5-40°C (41-104°F)
Construction	Impact resistant aluminum & plastics
Dimensions	68 x 669 x 284 mm (2.7 x 26.3 x 11.2 in)
Weight	5.5 kg (12.1 lb)

Connections



Dimensions



Product and Accessories

Product type	Order Code
FLX S48, 1024 channel, bare end power cable	54108-048

Accessories	Order Code
FLX S48 dust cover	5630-000079-00
FLX S mounting brackets	9820-000015-00
FLX S48 flightcase	9805-000087-00
Replacement PSU	54109-100

Included Items
Quick Start Guide
External power supply



FLX S24 CONSOLE

Date: _____
Type: _____
Firm: _____
Name: _____
Project: _____

The FLX S24 Console is a 24 fader lighting control surface that brings the legacy and power of our consoles in an easy-to-use package at an affordable price. A lighting design-centric console built for the non-designer, the FLX S24 allows any user to quickly create beautiful looks in less time, and is the perfect console for schools, houses of worship, broadcast studios, and portable applications.

Built on the award-winning ZerOS software, the FLX S24 includes an intuitive, user-friendly interface with a 7" multitouch screen, four physical encoders and seven dedicated physical buttons for easy operation. The ZerOS software makes it easy to design the perfect look, with multiple color selection options and intuitive moving head fixture control. To ensure users can get the job done without getting lost, ZerOS includes an on-board Guidance tool and quick select Z button.



- Cost effective 24 fader console with support for 1024 channels of control
- Award-winning ZerOS software - mature, easy-to-use software you can trust
- Simple "three-step programming" - Select what you want, where you want to control them, and how you want them to look
- 7" Multitouch screen - easily adjust colors, moving lights, and other settings
- 4 physical encoders and 7 dedicated buttons for go, record, delete, etc. - faster and more intuitive control, particularly in a live environment
- Image picker for control selection - upload a photo and select different colors in one or more spots in the image to add color variation and depth
- Multicell fixture support - control all pixels in a multiple pixel fixture as easily as single-cell fixtures without intensity conflicts. Easily apply color gradients and dynamic effects
- Mood Boards by LEE Filters - quickly select the perfect color palette for your mood
- Onscreen Guidance tool - never get lost thanks to situationally aware, but unintrusive on-screen tips and advice in English, Spanish, French, and German
- Exclusive Z button for quick access to important tools - easily perform common actions anywhere in the console
- 2 x 5-pin DMX ports and support for Ethernet protocols such as sACN, Art-Net, C1TP, OSC, Vision.Net etc. - versatile network and physical connectivity options
- Up to 64 universes of DMX connectivity - control all the fixtures in your rig and patch them however you want to organize them
- RigSync - simplify commissioning and management thanks to exclusive technology that finds fixtures using RDM, automatically patches them, then continually monitors the system and adapts to changes



VARI*LITE

Specifications

Due to continuous improvements and innovations, specifications may change without notice.

Electrical

Operating Voltage (PSU)	100-240V AC; max. 2A
Operating Voltage (Console)	12V DC
Power Input (PSU)	1x IEC C14
Power Input (Console)	1x 2.1mm DC barrel connector

Data

Included license	2x Universes (1,024 Channels)
DMX Out / DMX In / Vision.Net	2x Neutrik 5-pin female XLR
Ethernet	1x RJ45
USB	2x USB Type-A

Connectivity

Protocols	DMX512
	RDM
	Streaming ACN (E1.31)
	Art-Net
	CITP
	OSC (Open Sound Control)
	Vision.Net (Receive only)
	KiNet
	Philips Hue
Files	USITT ASCII Showfiles
	GDTF
Other	iOS & Android apps

Certification and Safety

Approbations	UL, cUL, CE, RCM, UKCA
Conformity	EN 62368-1, UL 62368-1, CSA C22.2 No 62368-1, BS EN 62368-1

Capacity

48 Fixtures (single or multiple DMX channels)
10,000 Cues
49 Playbacks
240 Palettes (Position, Color, Beam, Shape and Effect)
48 Groups
45 Auto Effects
Up to 48 Fixture Macros

Software Key Features

Full tracking and optional non tracking
Multi-touch color & image picker
“Mood Boards by LEE Filters”
Multi-touch Pan/Tilt grid
Auto palettes, groups and fixture macros
Gobo previews and library
Move on Dark
Wireless remote control and remote monitor apps
RigSync (RDM)
Multicell fixture support
Onscreen guidance tool
Offline editor (Windows PC)

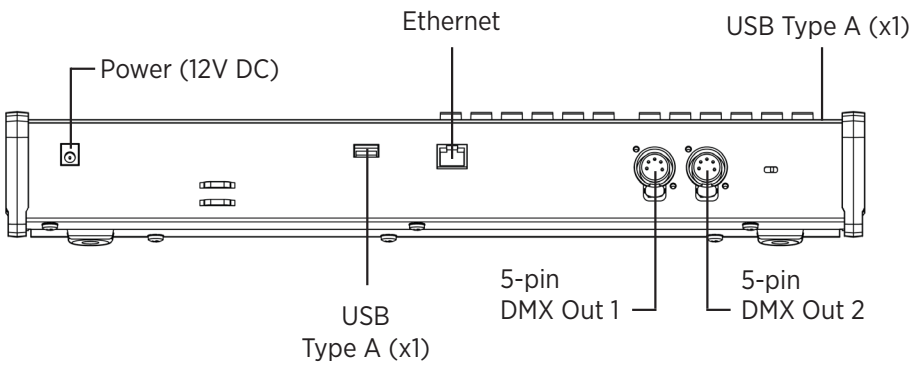
User interfaces

Internal touchscreens	1x 7” multi-touch
Faders	25x multifunctional faders (2 pages)
Encoders	4x Attribute & Intensity

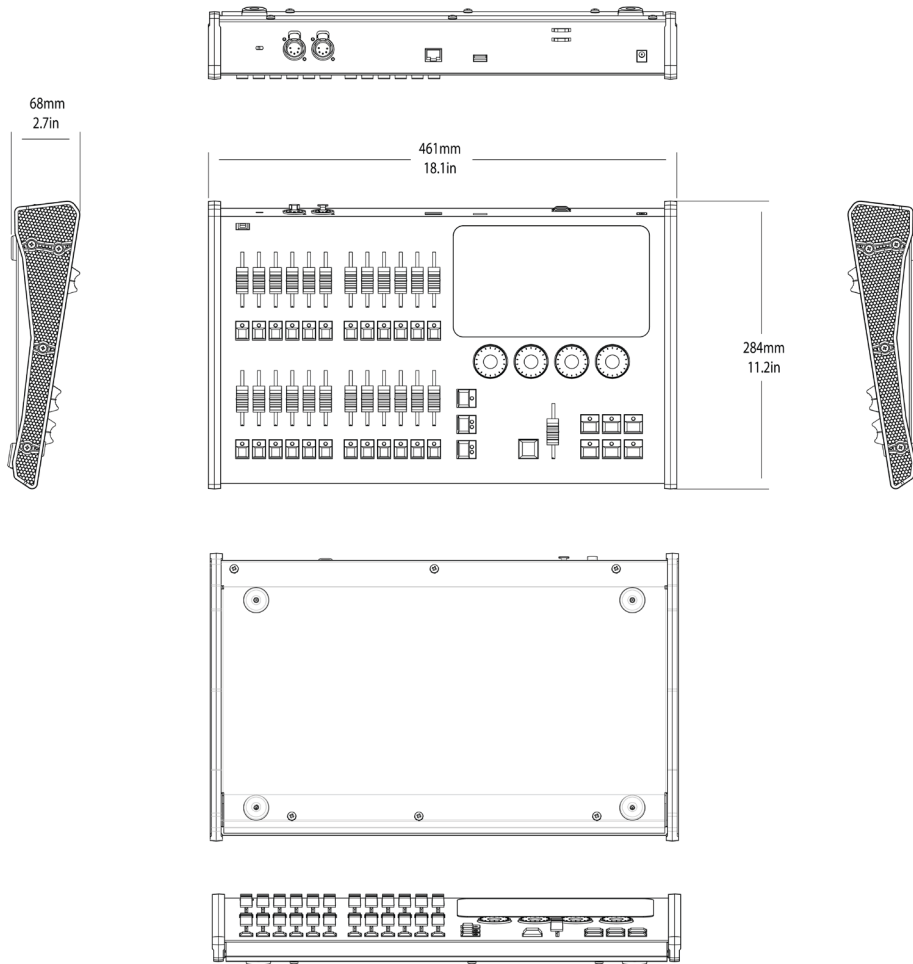
Physical

Color	Black & Dark Grey
Operating temperature	5-40°C (41-104°F)
Construction	Impact resistant aluminum & plastics
Dimensions	68 x 461 x 284 mm (2.7 x 18.1 x 11.2 in)
Weight	4.0 kg (8.8 lb)

Connections



Dimensions



Product and Accessories

Product type	Order Code
FLX S24, 1024 channel, bare end power cable	54108-024

Accessories	Order Code
FLX S24 dust cover	5630-000078-00
FLX S mounting brackets	9820-000015-00
FLX S24 flightcase	9805-000086-00
Replacement PSU	54109-100

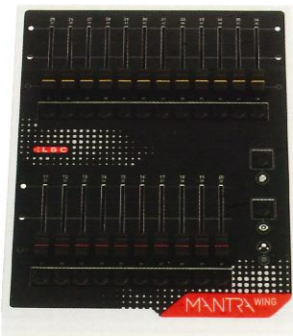
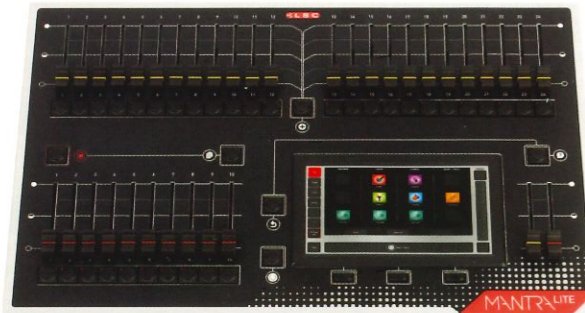
Included Items
Quick Start Guide
External power supply



Mantra Lite

The Mantra Lite makes lighting control so easy it won a PLASA Innovation award for its ease of use. Ideally suited for novice to professional operators in small theatres, houses of worship and entertainment venues. Designed to control up to 24 LED fixtures, moving lights or conventional dimmer channels, it is expandable to 36 or 48 lights by adding one or two wings.

Central to the Mantra Lite is a large 18cm colour touchscreen providing immediate fingertip access to most parameters and functions. An 'App' based programming system is immediately familiar to even the most novice user, allowing them to immediately start creating looks. For the more experienced user there are many advanced functions such as shape effects, multi-patch, chases, cue lists, fans and remote triggering.



Features

- + Control 24 fixtures across 512 DMX slots, each with a dedicated yellow intensity fader.
- + Add 1 or 2 wings to increase the fixture count to 36 or 48 fixtures. Each wing allows an additional 512 DMX slots.
- + 10 pages of 10 dedicated Red playback faders with Flash/Go button. Each wing provides an additional 10 pages of 10 red faders, for a maximum of 30 physical playbacks and 300 cuelists.
- + Large 18cm capacitive-touch full colour LCD screen.
- + Internal universal voltage (90-260v) power supply with IEC or powerCON connector.
- + Mini UPS for brown-out protection.
- + Solid-state show storage.
- + Free fixture templates using Carallon fixture library.
- + DMX-512A, ArtNet and sACN outputs.
- + Graphical colour picker with Coarse/Fine and Fanning controls.
- + Pan/Tilt trackpad control with Coarse/Fine, Fanning and Invert controls.
- + Animate (another LSC first) provides a simple and intuitive way of creating intensity, colour and pan/tilt chases in a single cue.
- + Live tracking functionality with undo and redo control over all keystrokes during programming.
- + Fixture editor helps you create new fixture templates on the fly. No need to know the manufacturer's DMX assignments beforehand, Mantra Lite will discover them.
- + Remote control via OSC, UDP, TCP/IP or the Mantra Editor app.



mantralite.lsccontrol.com.au



CODE	DESCRIPTION
MANTRA/LT	Mantra Lite - easy-to-use compact LED and moving light controller. 24 fixtures, 10 playbacks, 18cm multi-touchscreen, 1 x XLR5 DMX output, Art-Net/sACN and dual USB. Internal 110/240v power supply with UPS function. Includes dust cover.
OPTIONS	
MANTRA/WG	Mantra Lite Wing - provides 12 additional fixture faders, 10 additional playback faders, 1 additional DMX Universe and DMX output connector. Up to two wings can be connected to a single Mantra Lite. USB powered. Includes dust cover.
QX1	QX1 - USB to DMX interface. Expands a Mantra Lite to two Universes of DMX (if wings are not required).
MANTRA/LTDC	Mantra Lite Dust Cover - hard-wearing fabric with logo screened on top.
MANTRA/WGDC	Mantra Lite Wing Dust Cover - hard-wearing fabric with logo screened on top.





GENERAL INFORMATION

Available in two sizes with optional audiovisual and Ethernet capabilities, ColorSource consoles provide hands-on control designed for the latest technology. These affordable, portable desks specialise in streamlined, plug-and-play setup; the console recognises intelligent lights in the rig via RDM and auto-populates them in patch, and the on-board touchscreen allows fixtures to be dragged into place on a customisable stage map for quick selection and programming. The faders and touchscreen can be used to control moving lights, mix LED colours, play stored looks and effects and - with the AV consoles - play sound and visual media.

APPLICATIONS

- One-off events
- Corporate events
- Touring productions
- School auditoriums/theatres
- Community theatres
- Houses of worship
- Small TV studios
- Tradeshows

ORDERING INFORMATION

ColorSource consoles

PART NUMBER	DESCRIPTION
7225A1000-EU	ColorSource 20 console (20 Faders, 40 Channels or Devices)
7225A1001-EU	ColorSource 40 console (40 faders, 80 Channels or Devices)
7225A1100-EU	ColorSource 20 AV console with network, audio, and video features (20 Faders, 40 Channels/Devices)
7225A1101-EU	ColorSource 40 AV console with network, audio, and video features (40 Faders, 80 Channels or Devices)

ColorSource Accessories

PART NUMBER	DESCRIPTION
7225A4020	Dust cover CS20 and CS20AV
7225A4021	Dust cover CS40 and CS40AV
7225K1002	19" Rack mount kit for CS20 and CS20AV
I1865	Pelican Case with foam for CS20 and CS20AV
I1866	Pelican Case with foam for CS40 and CS40AV c
7225A2020-EU	External Power Supply (Replacement)

SHIPS WITH:

- External Power Supply with UK13A and EU cables



SPECIFICATIONS

MECHANICAL

- One home and five configurable softkey buttons
- Four configurable function faders
- 7" colour multi-touch touchscreen

PLAYBACK CONTROLS

- One cue list with 999 cues
- 10 pages of 20 or 40 playbacks
 - Static memories or sequences
- Playback Toy for filtered and timed execution of playbacks
- Multiple bump modes (Flash, Solo, Solo Change, Move/Go)
- Full-history rubberbanding for playbacks
- On-board help system
- On-board start-up tutorial videos
- Extensive library for controlling moving lights

MEDIA

- Audio input type:
 - 3.5mm (1/8") TRS, Stereo, unbalanced
 - Line in -10dBV (316mV RMS)
 - Input Impedance: 29k ohms
- Audio output type:
 - 3.5mm (1/8") TRS, Stereo, unbalanced
 - Line out -10dBV (316mV RMS) at 10k ohms "Line Level"
 - Load Impedance : 10k – 200k ohms
- Supported media file formats:
 - Audio: mp3, aac and wav files (44.1kHz sample rate, 4GB maximum file size)
 - Image: jpg, png, tiff, and bmp files (1280 x 720 maximum resolution)

Please note: visual output is limited to still images and effects from the VideoToy feature of the ColorSource AV console. Movie files are not supported

SPECIFICATIONS

PROGRAMMING TOOLS

- 40 programmable colour chips and colour picker
- Innovative touch-based parameter controls
- Auto fixture selection on fader moves
- Virtual Level/Rate wheel
- Customisable Channel display using Stage Map
- Effects (intensity, colour, shape, and parameter)
- Fixture Tags for Quick Selects
- 27 Quick Select groupings
- Two independent channels
- Virtual keypad for level entry

UNIQUE FEATURES

- **COLORSOURCE 20**
 - 40 channels / multi-parameter devices
 - 20 Channel / Playback faders with colour indication
 - One DMX/RDM port
 - One USB port
 - 2GB onboard storage for show files
- **COLORSOURCE 40**
 - 80 channels / multi-parameter devices
 - 40 Channel / Playback faders with color indication
 - One DMX/RDM port
 - One USB port
 - 2GB onboard storage for show files
- **COLORSOURCE 20 AV**
 - 40 channels / multi-parameter devices
 - 20 Channel / Playback faders with color indication
 - Two DMX/RDM ports
 - Two USB ports
 - RJ45 for network (sACN, ArtNet, OSC)
 - Sound-to-light playback
 - HDMI® port for monitor or media playback
 - "Amigo" browser-based remote
 - 25GB onboard storage for show files and media
- **COLORSOURCE 40 AV**
 - 80 channels / multi-parameter devices
 - 40 Channel / Playback faders with color indication
 - Two DMX/RDM ports
 - Two USB ports
 - RJ45 for network (sACN, ArtNet, OSC)
 - Sound-to-light playback
 - HDMI port for monitor or media playback
 - "Amigo" browser-based remote
 - 25GB onboard storage for show files and media

COLORSOURCE CONSOLE SAMPLE SYSTEM



COLORSOURCE AV SAMPLE SYSTEM



PHYSICAL

ColorSource Console dimensions

MODEL	HEIGHT	WIDTH	DEPTH
	mm	mm	mm
CS20 / CS20AV	64	465	274
CS40 / CS40AV	64	668	274

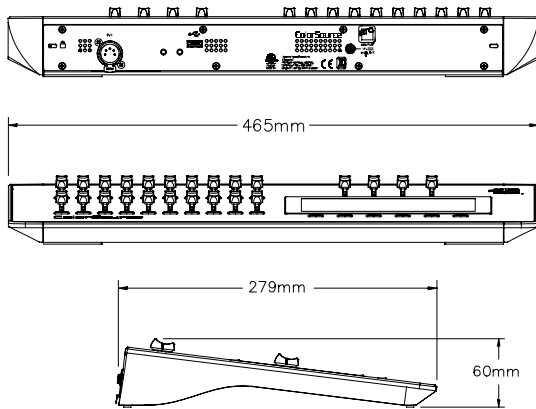
*Weights and dimensions typical

ColorSource Console weights

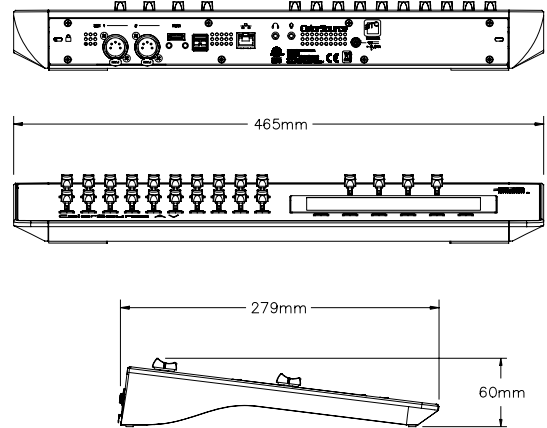
MODEL	WEIGHT	SHIPPING WEIGHT
	kgs	kgs
CS20 / CS20AV	3.13	4.92
CS40 / CS40AV	4.33	6.15

*Weights and dimensions typical

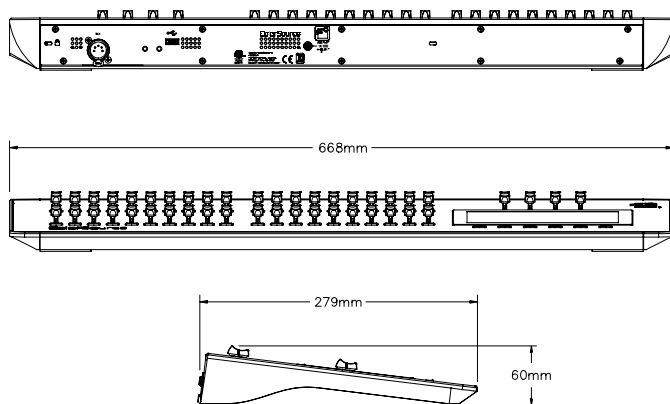
COLORSOURCE 20



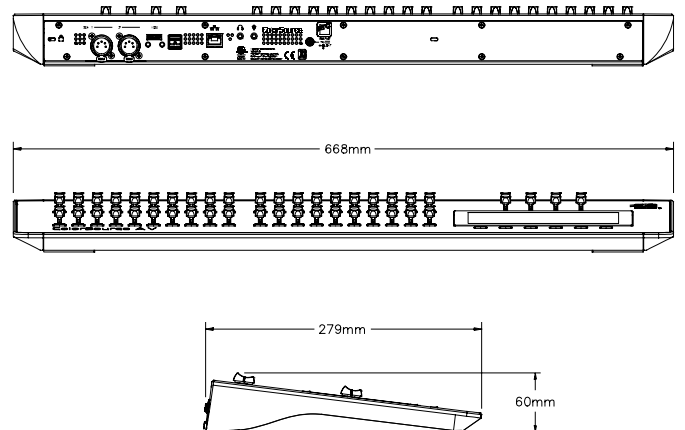
COLORSOURCE 20AV



COLORSOURCE 40



COLORSOURCE 40AV



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GENERAL INFORMATION

Ion Xe provides complete control of conventional and moving lights, LEDs and media servers. It supports multiple users with partitioned parameter control and full backup, multiple playback faders and cue lists in a tracking, move-fade environment. The desk includes backlit buttons.

FEATURES

- 2,048 or 12,288 outputs
- 32,768 control channels (any number from 1 - 99,999)
- Up to 99 discrete users
- Partitioned control
- Master playback pair with 100mm faders
- User-definable direct selects
- Four discrete palette types (IFCB)
- Presets function as "all palette"
- Effects provide dynamic relational and absolute progressive behavior
- Central information area (CIA) accesses the browser and other controls
- Four pageable encoders for non-intensity parameter control
- Configurable high-density channel display, with format and flexi-channel modes
- Up to six abstract color spaces, tinting, spectrum and fade path tools.
- User configurable, interactive Magic Sheets
- ETCNet2 and Net3 (powered by ACN), Art-Net and Avab® UDP network output protocols
- Show import from Obsession, Express, Expression®, Emphasis®, Congo®, Cobalt®, Grand MA1, Grand MA2, Avab Safari and Strand 500/300 Series
- Two individually configurable Ethernet ports
- Multiple MIDI and/or SMPTE TimeCode Inputs, Analog/Serial Inputs, OSC transmit/recieve
- Virtual Media Server function for pixel mapped effects, images, animations
- Support for multiple languages, including English, German, Spanish, French, Italian, Japanese, Korean, Russian and Chinese (Simplified and Traditional)

ORDERING INFORMATION

Ion Xe

PART NO.	DESCRIPTION
4311A1011-EU	Ion Xe Console, 2,048 outputs
4311A0062	Ion Xe Initial Upgrade to 12,288 outputs
4311A0060	Ion Xe After-sales Upgrade to 12,288 outputs
4311A1031-EU	Ion Xe Remote Processor, 2048 outputs
4311A0063	Ion Xe RPU Initial Upgrade to 12,288 outputs
4311A0061	Ion Xe RPU After-sales Upgrade to 12,288 outputs
4380A1011	ETCnomad 512 (for use as Client Software Kit)

Output protocols are distributed using ETCNet2 DMX Nodes or Net3 DMX/RDM Gateways. I/O Gateways and Show Control Gateways provide switch closure functionality, MIDI and SMPTE TimeCode.

Ion Xe Accessories

PART NO.	DESCRIPTION
4240A1021-EU	Eos Motorized Fader Wing 10
4240A1022-EU	Eos Motorized Fader Wing 20
4240A1023-EU	Eos Standard Fader Wing 20
4240A1024-EU	Eos Standard Fader Wing 40
4250A1130	Net3 Remote Video Interface 3 19" 2U
4250A1122	ETCpad - Portable Access Device
M8200-F	27" 10-Point Multi-touch Screen 1920x1080
M8199-F	23" 10-Point Multi-touch Screen 1920x1080
M240	22" Multi-touch Screen 1280x1024
I1916	Eos Progr. Wing/Ion Xe Flightcase
I1962	Eos Progr. Wing/Ion Xe Flightcase w. additional space for Fader Wing 20

Eos Family Offline Editor software for Mac and PC platforms is called ETCnomad and is available for download from www.etconnect.com

Ion Xe requires Windows 7 compatible external monitors, 1280x1024 minimum resolution, standard, touch or multi-touch

SHIPS WITH:

- Dust cover
- One Littlite
- Mouse and mousepad
- External alphanumeric keyboard
- Two active display-port to DVI adapters
- Locking IEC to UK13A and IEC to Schuko power cords



SPECIFICATIONS

SYSTEM CAPACITY

- 2,048 or 12,288 Outputs
- 32,768 Control Channels (devices)
- 10,000 Cues
- 999 Cue Lists
- 200 Active Playbacks
- 999 Submasters
- 100 Fader Pages
- 4 x 1,000 Palettes (Intensity, Focus, Colour, Beam)
- 1,000 Presets (all palette)
- 1,000 Groups
- 1,000 Effects (relative, absolute or step)
- 99,999 Macros
- 1,000 Snapshots
- 1,000 Curves
- 1,000 Colour Paths
- Supports two external display-port monitors at 1280x1024 minimum resolution, with optional touch or multi-touch control
- Solid-state hard drive
- Five USB ports for flashdrives, pointing devices, keyboards

DISPLAY FUNCTIONS

- All show data may be viewed on a single external monitor. External views may be posted separately or expanded across a maximum of two monitors. Three user-configurable workspaces per display, with split-screen/sizing controls.
- The Central Information Area accesses:
 - Browser
 - File Management
 - System Defaults
 - Show Defaults
 - Desk Defaults
 - Partition Definitions
 - Network Configuration
 - Show Data Utilities
 - Print to PDF
 - Record Target Lists
 - Patch functions
 - Help
 - Electronic alpha-numeric keyboard
 - Command Line
 - Selected Cue
 - Error messages
 - Context-Sensitive Control
 - Parameter Categories and individual parameters
 - Filters
- Channel Displays
 - Live channel or table view
 - Blind cue, palette, preset and group views, in list, channel, table and spreadsheet formats
 - User-configurable to show required parameters and/or parameter categories (IFCB)
 - Flexi-channel to determine which channels to display
 - Zoom allows user to define how many channels are viewed
 - Color-coded intensity levels indicate direction of move

SPECIFICATIONS

- Colour-coded non-intensity levels indicate change from previous state
- Graphic differentiation of moving lights, single parameter devices and unpatched channels
- Magic Sheets
 - User-defined interactive display layouts
 - Objects and images may be imported
- Patch Views
 - Patch by channel
 - Patch by address
 - Patch by Device List (RDM)
 - Assign proportional patch value, curve and, preheat value for intensity
 - Swap pan and tilt
 - Invert pan and tilt
 - Custom fixture editor
 - User configurable shutter order
- Playback Status Display
 - Accesses status of 100 fader pages
 - Expanded cue list for selected cue, optional dynamic countdown of active cues
- Cue List Index
- Effect Editor
- Group Editor
- Park Display
- Dimmer Monitoring
- Submaster List
- Fader Config Display

PLAYBACK CONTROLS

- Master Playback crossfade pair with two 100mm potentiometers, Go, Stop/Back and Load
- Using external fader wings or virtual faders, 100 pages of faders, each fader configurable as:
 - IFCB Palette/Preset Lists or single instances
 - Cue Playback, with user-configurable button/slider behavior
 - Grand Master with Blackout
 - Additive or Inhibitive Submaster, with user-configurable button/slider behavior
 - Filtered Manual Timing Master
- Rate Controller
- Playback fader controls include:
 - Load to assign cue lists
 - Timing Disable
 - Off/On
 - Release
 - Freeze
 - Assert
 - Manual Override
 - Rate
 - Go To Cue 0
 - Spread
 - Background Enable/Disable
 - 10 Priority States
 - 10 Background Priority States
 - Parameter and channel filters
- Macros
 - May be set to play background or foreground
 - Startup and Shutdown Macros
 - Disconnect Macros

SPECIFICATIONS

MANUAL CONTROL

- Channel selection from keypad and/or multi-touch direct selects
- Lists constructed with +, -, thru
- Intensity set with level wheel, keypad, level button, full and out
- Select Last recalls last sequential channel selection set
- Select Manual selects all channels with manual values
- Select Active selects all channels with intensity above zero
- Ordered groups
- Offset; including even, odd, random and reverse
- Fan
- Sneak
- User-definable home
- Home by parameter, parameter category or all non-intensity parameters
- Capture
- Park at level
- Scaled park for temporary percentage adjustment
- Recall-from and Copy-to commands
- About provides detailed view of selected channels or record targets
- Undo
- Highlight and Lowlight, with optional user-definable Rem Dim
- Lamp controls to strike and douse arc sources, calibrate devices

PROGRAMMING FEATURES

- Channel Functions
 - Non-intensity parameters set via numeric entry or pageable encoders
 - Encoders support software-controlled tactile response
 - Local display of color and gobo images
 - Colour matching to gel selector
 - Colour Path, color tinting and color spectrum tools.
 - Apply discrete time and delay per channel parameter
- Palette and Preset Functions
 - Record and Update
 - Toggle display to absolute data
 - Up to 999 decimal values may be inserted between any two whole numbers
- Effects
 - Create live or blind
 - Pattern-based relative dynamic effects
 - Absolute effects
 - Step effects
 - Channel level overrides
 - Cue level overrides
 - Entry mode determines how parameters enter effects
 - Exit mode determines how parameters depart effects
- Cue Recording
 - Cue List HTP/LTP Intensity
 - Cue List Priority and Background Priority
 - Cue List Assert
 - Fader as progress controller, manual or intensity master
 - Record manual values or channels in use
 - Auto playback of recorded cues
 - Referenced or auto-mark instructions
 - Block at cue or parameter level
 - Assert at cue or parameter level
 - All-fade flag

SPECIFICATIONS

- Follow or hang times
- Out of sequence link
- Loop functions
- Cue level parameter category timing
- 20-part multi-part cues
- Cue-level rate override
- Mark flags for Auto or Referenced and Referenced Priority Marks
- Up to 999 decimal cues between each two whole-numbered cues
- Execute List
 - Triggers snapshot
 - Triggers macros
 - Triggers go of other cues
 - Syncs go to multiple cue lists
 - Show-control triggers
 - Analog triggers
- Update and Update Trace functions
- Undo record and delete
- Submaster Recording and Playback
 - 999 additive or inhibitive submasters
 - Bump button timing for fade up/dwell/fade out
 - Assert/Channel select button
 - Exclusive or Shielded Mode
 - Background enable/disable
 - Restore to background or minimum value
 - LTP/HTP intensity
 - Fader as progress controller or intensity master
 - Bump button to mark NPs
 - Priority and Background Priority status
 - Motorized faders match level across all devices and when paging
 - Submaster mapping on the fly
- Curves
 - Assignable in patch to modify dimmer output ramp
 - Assignable at cue or cue part level to modify intensity crossfade profile or non-intensity parameter ramping

INTERFACES

- Two individually configurable ethernet ports
- ETCNet2, Net3 (powered by ACN), ArtNet and Avab UDP output protocols
- Four DMX/RDM ports
- Contact-closure triggers via D-Sub connector
- Two video connectors support display-port external displays (1280x1024) with optional single-touch or multi-touch screen control
- USB multipurpose (five ports)
- ETCpad - Portable Access Device (via Ethernet)
- OSC Transmit/Receive
- UDP Transmit/Receive
- MIDI TimeCode, MIDI Show Control through Gateway
- SMPTE TimeCode through Gateway
- Contact closure (12 analog inputs, 12 SPDT contact outputs, RS-232) through Gateway

ELECTRICAL

- AC input (100 - 240V at 50/60 Hz)
- Power consumption (less external monitors) approximately 1 amp at 230V

PHYSICAL

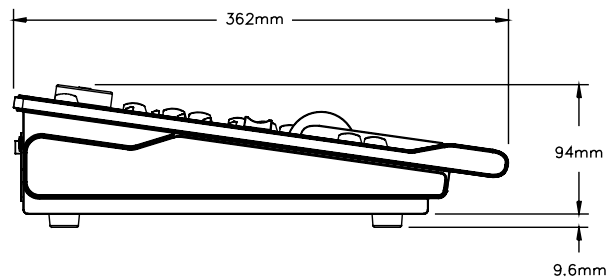
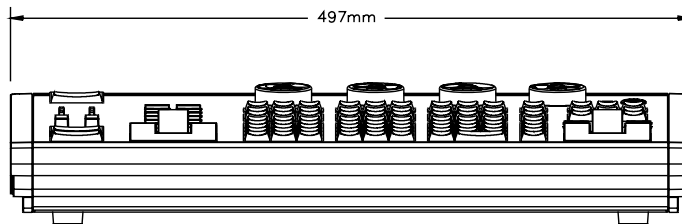
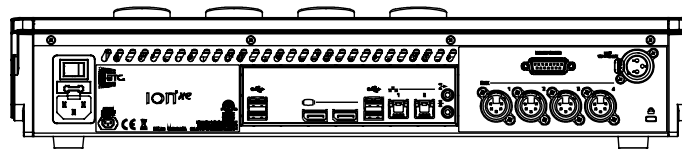
Ion Xe Dimensions*

MODEL	HEIGHT	WIDTH	DEPTH
	mm	mm	mm
Ion Xe	104	497	362
Ion Xe in shipping container	197	679	470
Ion Xe in roadcase	320	803	521

Ion Xe Weight*

MODEL	WEIGHT
	kg
Ion Xe console	5.8
Ion Xe in shipping container	8.5
Ion Xe in roadcase	TBD

*Weight and dimensions typical





grandMA3 light

Art.-No. 4010502



The grandMA3 light console is the work-horse of the range. It provides the perfect combination of power and physical size. The grandMA3 light console is suitable for all but the most demanding productions, making it probably the most versatile lighting console available.

Featuring 60 physical playbacks, 16 assignable x-keys and a dedicated master playback section the grandMA3 light console provides plenty of playback options.

Huge multi-touch screen real-estate provides instant access to programming tools and is fully configurable to suit individual needs. The two letterbox screens are context sensitive and dedicated to providing feedback and options for the grandMA3 light console playback and encoder hardware.

The grandMA3 light console includes 8 192 control parameters as standard, ensuring that it is the perfect base platform for the world's most prestigious entertainment lighting applications. The system size is scalable to 250 000 parameters with the use of additional grandMA3 processing units.

The grandMA3 light is compatible with grandMA2 and grandMA3 software. The hardware is ergonomically optimized and can be considered a silent version by default.

The grandMA3 lighting control consoles offer a fresh user interface with an optimized command section for intuitive and fast access.

The grandMA3 consoles features dual encoders, which provide users with intuitive control of additional features and functions. Feature-mapping of the dual encoders will be customizable, facilitating ease of use and faster programming.



Long-life motorized playback faders are used across the entire grandMA3 console range. The faders incorporate a color-changing light pipe. All playbacks have direct access to button pushes as well as intensity and timing changes thanks to the new rotary RGB backlit encoders.

The grandMA3 operating system is completely new and has been designed to feel more welcoming to fresh converts without alienating existing grandMA programmers. Extensive user feedback has been incorporated to ensure the new functionality address' the real world needs of the MA family.

The fundamental syntax of the grandMA2 has been preserved and extended to facilitate the new functionality.

The grandMA3 software has an elegant new system-architecture incorporating new fixture, feature and effects-handling at its very heart. These ground-breaking concepts from top industry visionaries, are presented within a refined user interface, and are designed to make practical tasks more intuitive. Selecting fixtures, adjusting values, storing presets and playing back cues should all feel familiar, but improved in many details of the process.

Better overview, faster access and more accurate information will create an improved user experience in programming and busking a show.

Fixture information is now generic and allows simpler sharing of programmed data between fixtures. We also support the new GDTF (General Device Type Format) natively, allowing fixture manufactures to ensure their own fixtures are controlled as intended.

For more details of the current software version see the software category in the product section.

Features

- Real-time control for up to 250 000 parameters per session in connection with grandMA3 processing units
- 6 DMX outputs, 1 DMX input
- 2 internal foldable monitor multi-touch screens
- 2 internal letterbox multi-touch screens
- 2 internal multi-touch command screens
- 2 external multi-touch screens can be connected
- 41 rotary RGB backlit encoder
- 5 backlit dual encoders
- 15 backlit motorized 60mm faders
- 60 separate playbacks
- 16 assignable x-keys
- Integrated keyboard drawer
- Built-in uninterruptible power supply (UPS)
- 3 etherCON connectors, 6 USB connectors
- 2 backlit motorized A/B faders 100mm
- Individually backlit and dimmable silent (clickless) keys



Scope of delivery

Art.-No.	Article	Quantity
4011383	Dust cover grandMA3 light	1
4011080	MA LED desk light grandMA3, straight plug XLR 4pin, length 27", incl. cover	2
4011386	MA Magnetic plate for easy labeling of 15 faders, for grandMA3	1

1x powerCON TRUE1 connector (NAC3FX-W)

Technical Specifications

Parameters	8 192 (HTP/LTP)
Parameters Mode2	4 096 (HTP/LTP)
Operating voltage/ Supply voltage	100-240V, 50/60Hz
Power	max. 300VA
Operating Temperature	0 °C up to 40 °C / 32 °F up to 104 °F
Dimensions	854 x 539 x 181 mm / 34 x 22 x 8 in (width x depth x height, folded and drawer closed)
	854 x 584 x 409 (max. 450) mm / 34 x 23 x 17 (max. 18) in (width x depth x height, unfolded for operation)
	854 x 871 x 255 mm / 34 x 35 x 10 in (width x depth x height, maximally unfolded and drawer opened)
Net weight	33 kg / 73 lbs
Connectors	1 x powerCON TRUE1 3 x etherCON/RJ45 6 x DMX512-A Out (5pin XLR female) 1 x DMX512-A In (5pin XLR male) 1 x MIDI In (5pin DIN female) 1 x MIDI Out (5pin DIN female) 1 x Linear Timecode In (3pin XLR female) 1 x Audio In (3pin XLR female) 1 x GPI General Purpose Interface (D-SUB DE9 female) for remote control 2 x DisplayPort 1.2 for external screens 2 x S/PDIF In and Out 3 x USB 2.0 (type A) 3 x USB 3.0 (type A) 2 x LED desk light (4pin XLR female)

Article

Art.-No.	Article
4010502	grandMA3 light

Accessories

Art.-No.	Article
4011149	MA Case grandMA3 light, with wheels (by Amptown)
4010504	grandMA3 extension
4011081	MA dust cover for LED desk light, 27"



More product pictures





grandMA3 compact

Art.-No. 4010506



The grandMA3 compact console is the smaller of the two compact models, offering the full system benefits of the grandMA3 system, housed in a compact and lightweight format. Easy to transport, the compact models are ideal for owner/operators and also the console of choice for tech-desk duties.

The compact console features a huge multi-touch monitor, 5 dual encoders and a complete command section almost identical to the larger models.

With 40 physical playbacks, 16 assignable x-keys and a dedicated master playback section the grandMA3 compact console provides plenty of playback options.

The grandMA3 compact console includes 4 096 control parameters as standard, making it an ideal choice for small and medium sized professional entertainment lighting applications. The system size is scalable to 250 000 parameters with the use of additional grandMA3 processing units.

The grandMA3 compact is compatible with grandMA2 and grandMA3 software.

The grandMA3 lighting control consoles offer a fresh user interface with an optimized command section for intuitive and fast access.

The grandMA3 consoles features dual encoders, which provide users with intuitive control of additional features and functions. Feature-mapping of the dual encoders will be customizable, facilitating ease of use and faster programming.

Long-life motorized playback faders are used across the entire grandMA3 console range. The faders incorporate a color-changing light pipe. All playbacks have direct access to button pushes as well as intensity and timing changes thanks to the new rotary RGB backlit encoders.



The grandMA3 operating system is completely new and has been designed to feel more welcoming to fresh converts without alienating existing grandMA programmers. Extensive user feedback has been incorporated to ensure the new functionality address' the real world needs of the MA family.

The fundamental syntax of the grandMA2 has been preserved and extended to facilitate the new functionality.

The grandMA3 software has an elegant new system-architecture incorporating new fixture, feature and effects-handling at its very heart. These ground-breaking concepts from top industry visionaries, are presented within a refined user interface, and are designed to make practical tasks more intuitive. Selecting fixtures, adjusting values, storing presets and playing back cues should all feel familiar, but improved in many details of the process.

Better overview, faster access and more accurate information will create an improved user experience in programming and busking a show.

Fixture information is now generic and allows simpler sharing of programmed data between fixtures. We also support the new GDTF (General Device Type Format) natively, allowing fixture manufactures to ensure their own fixtures are controlled as intended.

For more details of the current software version see the software category in the product section.

Features

- Real-time control for up to 250 000 parameters per session in connection with grandMA3 processing units
- 6 DMX outputs, 1 DMX input
- 1 internal foldable monitor multi-touch screen
- 1 external multi-touch screen can be connected
- 29 rotary RGB backlit encoder
- 5 dual encoders
- 10 backlit motorized 60mm faders
- 40 separate playbacks
- 16 assignable x-keys
- 3 etherCON connectors, 5 USB connectors
- 2 backlit motorized A/B faders 100mm
- Individually backlit and dimmable silent (clickless) keys

Scope of delivery

Art.-No.	Article	Quantity
4011452	Dust cover grandMA3 compact	1
4011080	MA LED desk light grandMA3, straight plug XLR 4pin, length 27", incl. cover	1
4011387	MA Magnetic plate for easy labeling of 10 faders, for grandMA3	1

1x powerCON TRUE1 connector (NAC3FX-W)



Technical Specifications

Parameters	4 096 (HTP/LTP)
Parameters Mode2	4 096 (HTP/LTP)
Operating voltage/ Supply voltage	100-240V, 50/60Hz
Power	max. 250VA
Operating Temperature	0 °C up to 40 °C / 32 °F up to 104 °F
Dimensions	661 x 429 x 160 mm / 26 x 17 x 7 in (width x depth x height, folded)
	661 x 563 x 325 (max. 410) mm / 26 x 23 x 13 (max. 17) in (width x depth x height, unfolded)
Net weight	16 kg / 36 lbs
Connectors	1 x powerCON TRUE1 3 x etherCON/RJ45 6 x DMX512-A Out (5pin XLR female) 1 x DMX512-A In (5pin XLR male) 1 x MIDI In (5pin DIN female) 1 x MIDI Out (5pin DIN female) 1 x Linear Timecode In (3pin XLR female) 1 x Audio In (3pin XLR female) 1 x GPI General Purpose Interface (D-SUB DE9 female) for remote control 1 x DisplayPort 1.2 for external screens 2 x S/PDIF In and Out 3 x USB 2.0 (type A) 2 x USB 3.0 (type A) 1 x LED desk light (4pin XLR female)

Article

Art.-No.	Article
4010506	grandMA3 compact

Accessories

Art.-No.	Article
4023469	MA Case grandMA3 compact, (by Peli)
4011673	MA Case grandMA3 compact, (by Amptown)
4011081	MA dust cover for LED desk light, 27"



More product pictures

