

GENERAL INFORMATION

Designed for venues using primarily conventional lighting, the Element control console provides the powerful features of the Eos system in an economical and simplified package. In addition to keypad commands, True LTP Channel Faders provide hands-on control of intensity and can be used to set manual levels and edit recorded cues and submasters. On Demand Moving Light Controls are available to facilitate using conventional accessories like moving mirror heads, color scrollers or gobo rotators, or to make controlling small numbers of moving lights simple and direct.

APPLICATIONS

- Theatre
- Television Studios
- Houses of Worship
- Corporate Theatre
- Exhibits
- Special Events
- Touring

FEATURES

- 1024 Outputs
- 250 or 500 Channels
- 40 or 60 Fader versions, pageable as channel or submaster control
- Master Playback pair with 60mm faders, GO, STOP/GO BACK
- Intensity, Focus, Color and Beam Palettes
- Stepped, Relative and Absolute Effects
- Hue+Saturation Color Picker and Gel Picker for LED, CMY color mixing
- ETCNet2, Net3, ArtNet and Avab UDP network protocols
- Show import via ASCII from Obsession, Express, Expression, Emphasis, Strand 300/500
- I/O: local DMX512-A (2 output ports), MIDI In/Out, Ethernet
- Distributed DMX, MIDI, SMPTE and contact closure via Net3 Gateways

ORDERING INFORMATION

Element

MODEL	DESCRIPTION
LMNT-40-250	Element Console, 40 Faders, 250 Channels
LMNT-40-500	Element Console, 40 Faders, 500 Channels
LMNT-60-250	Element Console, 60 Faders, 250 Channels
LMNT-60-500	Element Console, 60 Faders, 500 Channels

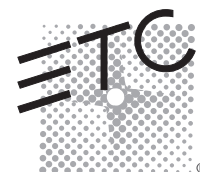
*ETCNet2 or Net3 are distributed using Net3 Gateways, which provide DMX, MIDI/ SMPTE Time Code and switch-closure functionality. MIDI In/Out is also available locally at the console.

Two universes of DMX512-A output are available at the console via 5-pin XLR, or these universes may be distributed with ETCNet2 DMX Nodes or Net3 DMX/RDM Gateways. Gateways and network equipment must be purchased separately.

Element Accessories

MODEL	DESCRIPTION
Net3 RFR	Net3 Radio Focus Remote
Net3 RVI	Net3 Remote Video Interface
M213	19" LCD touch screen monitor (1280x1024)

Note: Element does not ship with mouse or keyboard. If motorized accessories, LED fixtures or moving lights are to be used with an Element console, a mouse, trackball or touch screen monitor must be supplied.



SPECIFICATIONS

SYSTEM CAPACITY

- 1024 Outputs/Parameters
- 250 or 500 Channels
- 10,000 Cues
- 1 Cue List
- 4 x 1000 Palettes (Intensity, Focus, Color, Beam)
- 1000 Groups
- 1000 Effects (relative, absolute or step)
- 1000 Macros
- Supports two external DVI monitors or one VGA monitor at 1280x1024 resolution, with optional touchscreen control
- Hard Disk
- USB ports for flash drives, pointing devices, keyboards

DISPLAY FUNCTIONS

- All show data may be viewed on one or two external monitors. Views may be expanded across both from easily accessed front panel controls.
- The Central Information Area accesses:
 - Browser
 - File Management
 - System Setup
 - Network Configuration
 - Show Data Utilities
 - Printing
 - Record Target Lists
 - Patch functions
 - Help
 - Hue and Saturation Color Picker
 - On Demand Moving Light Controls
 - Electronic alpha keyboard
 - Command Line
 - Selected Cue
 - Error messages and advisories
- Channel Displays
 - Live channel summary or table view
 - Blind cue, palette and submaster 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
 - Color coded non-intensity levels indicate change from previous state
 - Graphic differentiation of moving lights, single parameter devices, unpatched channels and deleted channels

SPECIFICATIONS

- Patch Views
 - Patch by channel
 - Patch by address
 - Assign proportional patch value, curve, preheat value for intensity
 - Swap pan and tilt
 - Invert pan and tilt
 - Custom fixture editor
- Playback Status Display
 - Graphic representation of cue list status, past and future cues
- Cue List Index
- Effect Editor
- Group Editor
- Park Display
- Fader Display
 - Isolates display to active output by fader contribution
- Dimmer Monitoring

PLAYBACK CONTROLS

- Master Playback crossfade pair with two 60mm potentiometers, Go, Stop/Back and Load buttons
- Grand Master with Blackout
- Playback fader controls include:
 - Timing Disable
 - Off
 - Release
 - Manual Override
 - Rate
- A maximum of 300 submasters (additive or inhibitive) via integral faders

MOVING LIGHT CONTROLS

- On Demand Moving Light controls include labeling and current parameter value on connected display monitor
- Flip and Home functions
- Parameters selectable on screen for mouse-based control or command line actions

SPECIFICATIONS

MANUAL CONTROL

- Channel selection from keypad
- Lists constructed with +, -, thru
- Intensity set with level wheel, keypad, "full" and "out"
- True LTP channel faders for direct hands-on intensity control
- Ordered groups
- Offset, including even, odd, random, reverse
- Fan
- Sneak
- Remainder Dim and restore
- Home
- Home by parameter, parameter category or all non-intensity parameters
- 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 manual control, record, update and delete operations
- Lamp controls to strike, douse, calibrate fixtures

PROGRAMMING FEATURES

- Channel Functions
 - Non Intensity parameters set via numeric entry or On Demand Moving Light Controls
 - Color matching to gel selector or Hue/Saturation color picker
- Palette Functions
 - Record and Update functions
 - Toggle display to absolute data
 - Up to 99 decimal values may be inserted between any two whole numbers
 - Selective store to refine contents of record targets
- Effects
 - Create live or blind
 - Pattern based relative dynamic effects
 - Absolute effects
 - Step effects
 - Cycle time, trail and grouping determine channel distribution and behavior when moving through effect
 - Duration of infinite, a specific amount of time or number of passes through pattern
 - Effect attributes to modify basic behavior
 - Cue Level Overrides to modify size, rate and form
 - Multi-part effects easily synchronize parameter activity
 - Entry mode determines how parameters enter effects
 - Exit mode determines how parameters depart effects
- Cue Recording
 - Record tracking or cue-only
 - Autoplayback recorded cues

SPECIFICATIONS

- Auto-mark
- Block at cue or parameter level
- Follow times
- Out of sequence link
- Loop functions
- Preheat enable
- 20 part multi-part cues with default part assignment
- Cue level rate override
- Up to 99 decimal cues between each two whole numbered cues
- Execute List
 - Triggers macros with delay
 - Show control triggers
 - Analog triggers
- Update and Update Trace functions
- Undo record and delete
- Submasters
 - Additive, inhibitive or effect submasters
 - Bump button timing to fade up, dwell and fade out
 - Exclusive and lock modes
 - Faders as progress controller or intensity master
 - Bump button to mark NPs
 - Independent status
- 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

- 2 DMX-512 Ports (RDM ready)
- Ethernet (ETCNet2, Net3, Artnet and Avab UDP protocols)
- Contact Closure triggers via D-Sub connector
- 2 DVI video connectors support two external DVI displays (1280x1024) with optional touch screen control
- 1 - VGA connector
- USB Multi-purpose (minimum 5 ports)
- Phone Remote
- Net 3 Radio Focus Remote
- MIDI In/Out (Timecode, Show Control)
- Additional MIDI/SMPTE Timecode, Show Control through Net3 Gateway
- Additional contact closure (12 analog inputs, 12 SPDT contact outputs, RS-232) through Net3 Gateway

ELECTRICAL

- AC input (100-240V at 50/60 Hz)
- 2 amps at 120V or 1 amp at 240V maximum power consumption

PHYSICAL

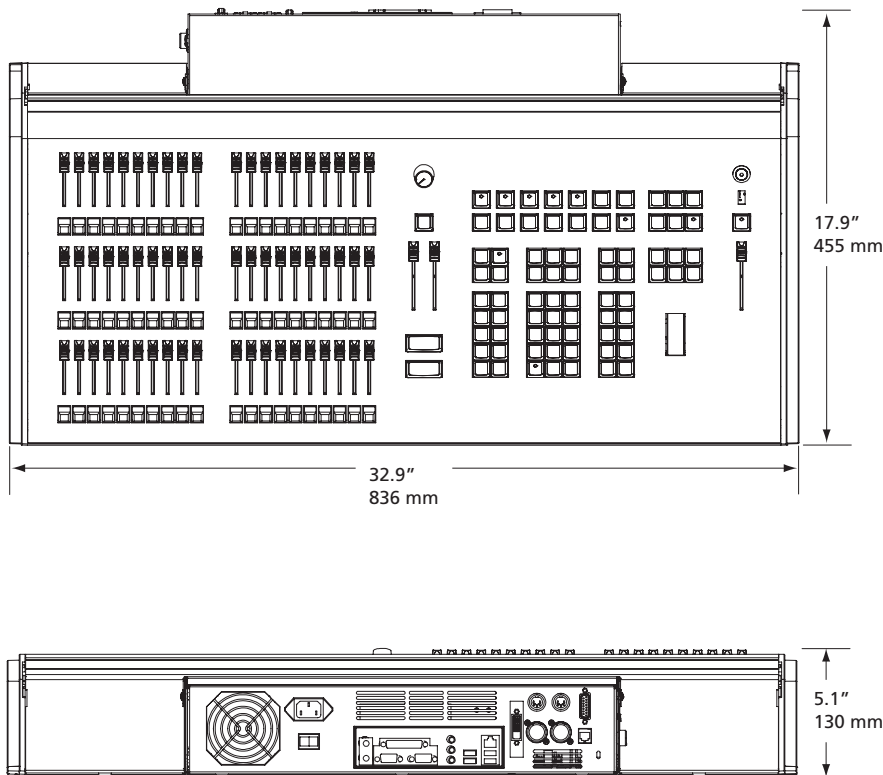
Element Console Dimensions*

MODEL	HEIGHT		WIDTH		DEPTH	
	inches	mm	inches	mm	inches	mm
Element Console	5.1	130	32.9	836	17.9	455

Element Console Weights*

MODEL	WEIGHT		SHIPPING WEIGHT	
	lbs	kgs	lbs	kgs
Element Console	30	13.6	37.5	17

*Weights and dimensions typical



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