ETC

Eos Titanium Console

Eos Series

GENERAL INFORMATION

Eos Titanium (Eos Ti) 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, with unique tactile response encoders. The desk includes articulating screens, backlit buttons and user-definable keys.

FEATURES

- 4,096 or 24,576 outputs
- 32,768 control channels (any number from 1 - 99,999)
- Up to 99 discrete users
- Partitioned control
- Master playback pair with motorized 100mm faders
- Ten 100mm motorized faders x 100 pages for configurable faders, submasters, masters and grandmaster control
- Two 18.50" multi-touch LCD touchscreens for display, direct selection and context-sensitive control
- 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
- One context-sensitive LCD multi-touch display with six associated force-feedback 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), ArtNet and Avab UDP network output protocols
- Show import from Obsession, Express, Expression, Emphasis, Congo, Cobalt, Grand MA1, Grand MA2, Safari and Strand 500/300 Series
- Two individually configurable Ethernet ports, 802.3af compliant PSE
- 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

Eos Ti

MODEL	DESCRIPTION
Eos Ti - 4K	Eos Titanium, 4,096 outputs (minimum)
Eos Ti - 24K	Eos Titanium, 24,576 outputs (maximum)
Eos RPU3 - 4K	Eos Remote Processor Unit, 4,096 outputs
Eos RPU3 - 24K	Eos Remote Processor Unit, 24,576 outputs
Eos Ti 20K Up	After-sale 20K upgrade (display port)
ETCnomad Base	Client for Mac/PC

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.

Note: Eos Ti with three DVI ports can be upgraded to 16,384 outputs. Use Eos Ti 12K Up to increase the output capacity of those units to maximum capacity.

For projects exceeding 24K of output, please contact ETC.

Eos Ti Accessories

MODEL	DESCRIPTION
Eos MFW 10	Eos Motorized Fader Wing 10
Eos MFW 20	Eos Motorized Fader Wing 20
Eos FW 20	Eos Standard Fader Wing 20
Eos FW 40	Eos Standard Fader Wing 40
Net3 RVI3	Net3 Remote Video Interface
ETCpad	ETC Portable Access Device
Eos Ti - FC	Eos Ti Flightcase

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

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

SHIPS WITH:

- Dust cover
- Two Littlites
- Mouse and mousepad
- Backlit external alphanumeric keyboard
- Three female-to-female IEC cables
- Three active display-port to DVI adapters

ETC

SPECIFICATIONS

SYSTEM CAPACITY
- 4,096 or 24,576 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, Color, 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 Color Paths
- Supports three external display-port monitors at 1280x1024 minimum resolution, with optional touch or multi-touch control
- Solid-state hard drive
- 11 USB ports for flashdrives, pointing devices, keyboards

DISPLAY FUNCTIONS
- All show data may be viewed on a single external monitor or may be posted to the integral touchscreens. External views may be posted separately or expanded across a maximum of three 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

- Color-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 (3.94in.) motorized potentiometers, Go, Stop/Back and Load
- 100 pages of ten 100mm (3.94in.) motorized faders, each 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
  - Color matching to gel selector
  - Color 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, 802.3af compliant PSE
- ETCNet2, Net3 (powered by ACN), ArtNet and Avab UDP output protocols
- Four DMX/RDM ports
- Contact-closure triggers via D-Sub connector
- Three female IEC connectors
- Three video connectors support display-port external displays (1280x1024) with optional single-touch or multi-touch screen control
- USB multipurpose (11 ports)
- 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)
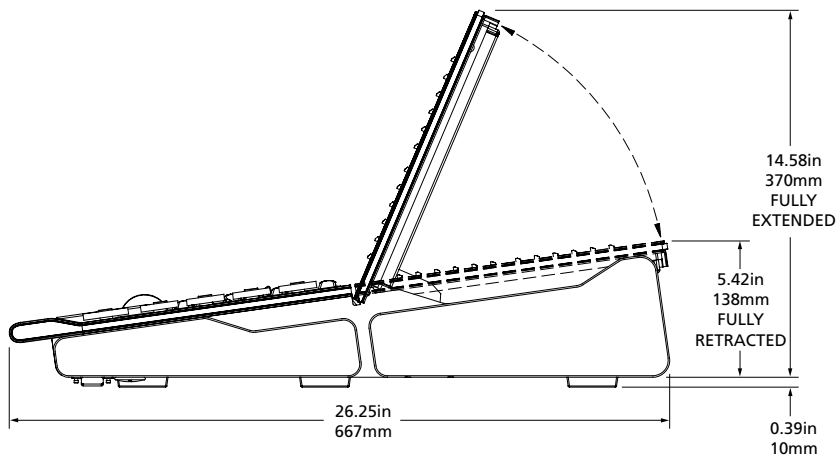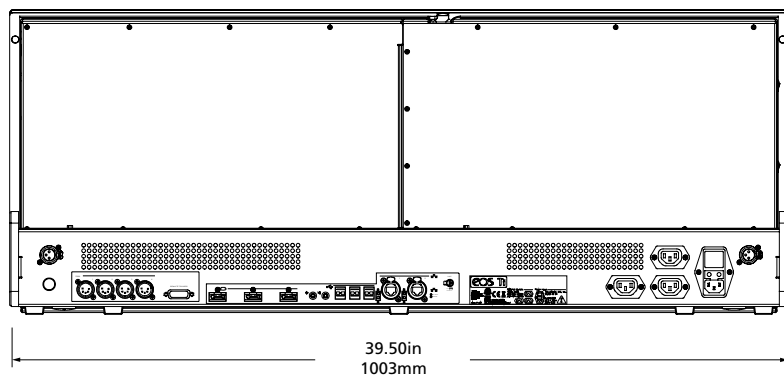- Power consumption (less external monitors) approximately 6.3 amps at 120V and 3.2 amps at 230/240V

P H Y S I C A L

Eos Ti Dimensions*

MODEL	HEIGHT		WIDTH		DEPTH	
	in	mm	in	mm	in	mm
Eos Ti	14.58	370	39.50	1003	26.25	667
Eos Ti in shipping container	14	356	45	1143	31	787
Eos Ti in roadcase	30.5	775	43.9	1116	10.6	270

Eos Ti Weight*

MODEL	WEIGHT	
	lb	kg
Eos Ti console	85	38.5
Eos Ti in shipping container	120	54.5
Eos Ti in roadcase	150	68

*Weight and dimensions typical

39.50in
1003mm

14.58in
370mm
FULLY EXTENDED

5.42in
138mm
FULLY RETRACTED

26.25in
667mm

0.39in
10mm

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