# ETC®

# Eos Titanium® Control desk

## Eos Series

ETL us  c ETL  CE  **100V  115/120V  230/240V**



## GENERAL INFORMATION

Complete control of conventional and moving lights, LEDs and media servers. 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 provides articulating screens, backlit buttons and user-definable keys.

### FEATURES

- 4096, 8192, 12,288 or 16,384 outputs/parameters
- 10,000 control channels
- 12 Discrete Users
- Partitioned Control
- Master playback pair with motorized 100mm faders
- Ten 100mm motorised faders x 30 pages for configurable faders, submasters, masters and grandmaster control
- 2 17.3" 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 electronic alpha keyboard, Hue + Saturation colour picker, gel picker, browser and other controls
- 1 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
- User configurable, interactive magic sheets
- List views of all record targets
- ETCNet2™ and Net3™ (powered by ACN), Artnet and Avab UDP network output protocols
- Show import from Obsession®, Express™, Expression®, Emphasis®, Congo®, Safari and Strand 500/300 Series via ASCII
- Multiple MIDI and/or SMPTE Time Code Inputs, MIDI Through and Output, Analog/Serial Inputs
- Virtual Media Server function for pix 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 Titanium

| PART NO | DESCRIPTION |
|---|---|
| 4350A1010-EU | Eos Titanium control desk, 4096 outputs |
| 4350A1030-EU | Eos Titanium control desk, 8192 outputs |
| 4350A1040-EU | Eos Titanium control desk, 12,288 outputs |
| 4350A1050-EU | Eos Titanium control desk, 16,384 outputs |
| 4250A1019 | Eos control desk, 4096 Output Upgrade |
| 4350A1015-EU | Eos Remote Processor Unit 3, 4096 outputs |
| 4350A1035-EU | Eos Remote Processor Unit 3, 8192 outputs |
| 4350A1045-EU | Eos Remote Processor Unit 3, 12,288 outputs |
| 4350A1055-EU | Eos Remote Processor Unit 3, 16,384 outputs |
| 4250A1029 | Eos RPU3, 4096 Output Upgrade |
| 4250S1001 | Eos 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 time code.
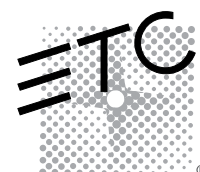
### Eos Titanium Accessories

| PART NO | DESCRIPTION |
|---|---|
| 4250A1022 | Net3 RFR Radio Focus Remote 2.4GHz (Europe) |
| 4250A2026 | Net3 RFR, base station receiver only |
| 4250A2025 | Net3 RFR, handheld transmitter Only |
| 4310A1002 | Universal Fader Wing - 2x10 faders |
| 4310A1003 | Universal Fader Wing - 2x20 faders |
| 4250A1117 | Net3 RVI Remote Video Interface, 2 video out |
| 4250A1030 | Net3 RVI3 Remote Video Interface, 3 video out |
| M236 | 19" 4:3 Flat-screen LCD TFT monitor |
| M240 | 22" Wide-format multi-touch monitor |
| Tba | Eos Ti Flightcase w. transport wheels |

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

### SHIPS WITH:
- Dust Cover
- 2 18" LED Littlite flexible desk lights
- Mouse and Mousepad
- Three female to female IEC cables (for monitors)
- IEC to UK13A and IES to Schuko mains power cables

ETC®

## SPECIFICATIONS

**SYSTEM CAPACITY**
- 4096, 8192, 12,288 or 16,384 Outputs/Parameters
- 10,000 Control Channels (devices)
- 10,000 Cues
- 999 Cue Lists
- 200 Active Playbacks
- 300 Submasters
- 30 Fader Pages
- 4 x 1000 Palettes (Intensity, Focus, Colour, Beam)
- 1000 Presets (all palette)
- 1000 Groups
- 1000 Effects (relative, absolute or step)
- 1000 Macros
- 1000 Snapshots
- 1000 Curves
- Supports three external DVI/SVGA monitors at 1280x1024 resolution, minimal resolution with optional touchscreen control
- Solid-State hard drive
- 11 USB ports for flash drives, 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
- The Central Information Area accesses:
  - Browser
  - File Management
  - System Defaults
  - Show Defaults
  - Desk Defaults
  - Partition Definitions
  - Network Configuration
  - Show Data Utilities
  - Printing
  - Record Target Lists
  - Patch functions
  - Help
  - Hue and Saturation Color Picker
  - Electronic alpha 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
  - Colour 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, preheat value for intensity
  - Swap pan and tilt
  - Invert pan and tilt
  - Custom fixture editor
- Playback Status Display
  - Accesses status of 30 fader pages
  - Expanded cue list for selected cue
- 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 2 100mm motorized potentiometers, Go, Stop/Back and Load
- 30 pages of 10 100mm motorized faders, each configurable as:
  - Single playback, with Go and Stop/Back
  - Crossfade playback, with Go and Stop/Back
  - Grand Master with Blackout
  - Additive or Inhibitive Submaster, with Bump and Assert/Channel Select
- Rate Controller
- Playback fader controls include:
  - Load to assign cue lists
  - Timing Disable
  - Off/On
  - Release
  - Filters
  - Freeze
  - Assert
  - Manual Override
  - Rate
  - Go To Cue 0
  - Multipart Spread
  - Background Enable/Disable
- 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 or Hue/Saturation colour picker
  - Apply discrete time and delay per channel parameter
- Palette and Preset Functions
  - Record and Update
  - Toggle display to absolute data
  - Up to 99 decimal values may be inserted between any two whole numbers
- Effects
  - Create live or blind
  - Pattern based relative dynamic effects
  - Absolute effects
  - Step effects
  - Multi-part effects easily synchronise parameter activity
  - Entry mode determines how parameters enter effects
  - Exit mode determines how parameters depart effects
- Cue Recording
  - Cue List HTP/LTP Intensity
  - Cue List Independent
  - Cue List Assert
  - Fader as progress controller or intensity master
  - Record manual values or channels in use
  - Autoplay back recorded cues
  - Referenced or auto-mark instructions
  - Block at cue or parameter level

SPECIFICATIONS

- - Assert at cue or parameter level
  - Allfade flag
  - Follow or hang times
  - Out of sequence link
  - Loop functions
  - Cue level parameter category timing
  - 20 part multi-part cues with default part assignment
  - Cue level rate override
  - Mark flags for Auto or Referenced Marks
  - Up to 99 decimal cues between each two whole numbered cues
  - Execute List
    - Triggers snapshot with delay
    - Triggers macros with delay
    - 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
  - 300 additive or inhibitive submasters
  - Bump button timing for fade up/dwell/fade out
  - Assert/Channel select button
  - Exclusive or Shielded Mode
  - Fader as progress controller or intensity master
  - Bump button to mark NPs
  - Independent 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 PoE
- ETCNet2™, Net3™ (powered by ACN), Artnet and Avab UDP output protocols
- Two DMX512A/RDM
- Contact closure triggers via D-Sub connector
- Three female IEC connectors
- Three video connectors support DVI/SVGA external displays (1280x1024) with optional single-touch or multi-touch screen control
- USB multipurpose (11 ports)
- Radio Focus Remote (RFR)
- MIDI In/Out (MIDI timecode, MIDI show control)
- 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)
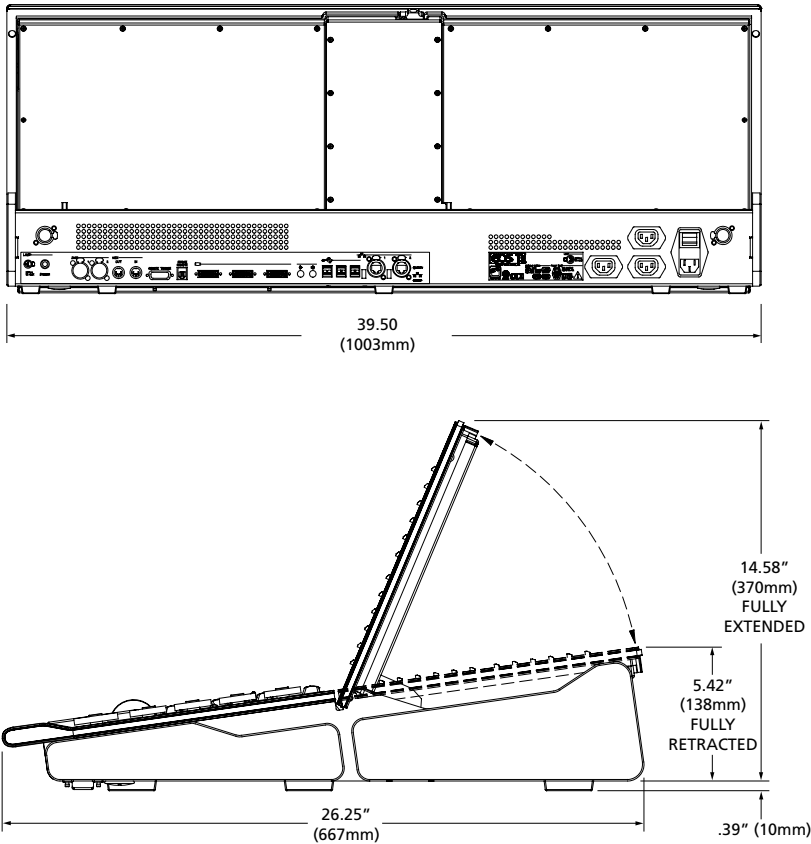- Power consumption (less external monitors) approximately 3.2A at 230V

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P H Y S I C A L

### Eos Ti Dimensions*

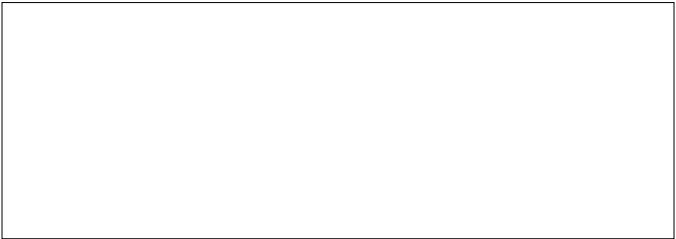| MODEL | HEIGHT | WIDTH | DEPTH |
|---|---|---|---|
| | mm | mm | mm |
| Eos Ti desk | 370 | 1003 | 667 |
| Eos Ti in Shipping Container | 343 | 1155 | 343 |
| Eos Ti in Flightcase | TBD | TBD | TBD |

### Eos Ti Weights*

| MODEL | WEIGHT |
|---|---|
| | kgs |
| Eos Ti desk | 39.0 |
| Eos Ti in Shipping Container | 49.9 |
| Eos Ti in Road Case | TBD |

*Weights and dimensions typical



39.50
(1003mm)



14.58"
(370mm)
FULLY
EXTENDED

5.42"
(138mm)
FULLY
RETRACTED

26.25"
(667mm)

.39" (10mm)

**AVAILABLE FROM:**