ETC®

Gio Control Desk

CE c(ETL) (ETL)us **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 force-feedback encoders, two integral articulating multi-touch displays, backlit buttons and user-definable keys.

FEATURES

- 4,096 or 24,576 outputs
- 32,768 control channels
- 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 multi-touch LCD touchscreens for display, direct selection and context sensitive control
- 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
- Four force-feedback encoders for non-intensity parameter control
- Configurable high-density channel display, with format and flexi-channel modes
- List views of all record targets
- User-configurable, interactive Magic Sheets
- ETCNet2 and Net3 (powered by ACN), Avab UDP and/or Art-Net output protocols
- Show import from Obsession®, Express™, Expression®, Emphasis®, Congo®, Cobalt, Grand MA1, Safari and Strand 500/300 Series via ASCII
- Two individually configurable Ethernet ports
- Multiple MIDI and/or SMPTE Time Code Inputs, MIDI In and Out, Analog/Serial Inputs
- Virtual Media Server function for pixel-mapped effects, images and animations
- Support for nmultiple languages, including English, German, Spanish, French, Italian, Japanese, Korean, Russian and Chinese (Simplified and Traditional)

ORDERING INFORMATION

Gio

PART NO.	DESCRIPTION
4240A1014-EU	Gio Control Desk 4,096 outputs (min) (Option for 24,576 outputs (max.)
4350A1015-EU	Eos Remote Processor 3 4,096 0utputs (Min.) (Option for 24,576 outputs (max.)
4390A0061	Gio Initial Upgrade 20,480 outputs
4390A0060	Gio After-sale Upgrade 20,480 outputs
4350A0064	Eos RPU3 Initial Upgrade 20,480 outputs
4350A0063	Eos RPU3 After-sale Upgrade 20,480 outputs
4380A1011	ETCNomad 512 (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 contact closure functionality, MIDI and SMPTE time code.

IMPORTANT note: Gio consoles with three DVI ports can only be upgraded to 12,288 outputs. For projects exceeding 24,576 outputs, please contact ETC for quotation

Gio Accessories

PART NO.	DESCRIPTION
4240A1021-EU	Eos Motorized Fader Wing 10
4240A1022-EU	Eos Motorized WIng 20
4240A1023-EU	Eos Standard Fader Wing 20
4240A1024-EU	Eos Standard Fader Wing 40
4250A1130	Net3 RVI3 Remote Video Interface, 3 video out
4250A1122	ETCpad - Portable Access Device
M8200-F	27"10-Point Multi-touch Screen, 1920x1080 res
M8199-F	23"10-Point Multi-touch Screen, 1920x1080 res
PSR1064-2	Gio/Cobalt 10 Combo Flightcase, Trolley style

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

NOTE: Gio requires Win 7-compatible external monitors, 1280x1024 min. resolution, either standard, touch or multi-touch.

SHIPS WITH:

- Dust Cover
- Two 18" LED Littlite flexible desk lights
- Wheel mouse and mousepad
- External backlit compact keyboard (choose between US English, German, French, Spanish, Russian and Scandinavian)
- Three active display-port to DVI adapters
- IEC to UK13A and IEC to Schuko power cables

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Gio Control Desk

Eos Series

SPECIFICATIONS

SYSTEM CAPACITY
- 4,096 or 24,576 Outputs/Parameters
- 32,768 Control Channels (devices)
- 10,000 Cues
- 999 Cue Lists
- 200 Active Playbacks
- 999 Submasters
- 100 Fader Pages
- 4 x 1000 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
- Supports three external display-port monitors at 1280 x 1024 minimum resolution with optional touch- or multi-touch control
- Solid state hard drive
- 7 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
  - Print to PDF
  - Record Target Lists
  - Patch functions
  - Help
  - 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
  - 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 motorised potentiometers, Go, Stop/Back and Load
- 100 pages of ten 100mm motorised faders, each configurable as:
  - IFBC Palette/Preset Lists or single instances
  - Cue playback, with user-configurable button/slider behaviour
  - Grand Master with Blackout
  - Additive or Inhibitive Submaster, with user-configurable button/slider behaviour
  - 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
  - Multible 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 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 colour 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
  - 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
  - Cue List Assert
  - Fader as progress controller, manual or or intensity master
  - Record manual values or channels in use
  - Auto playback of ecorded cues
  - Referenced or auto-mark instructions
  - Block at cue or parameter level

SPECIFICATIONS

- Assert at cue or parameter level
- All-fade flag
- 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 Priority Marks
- Up to 99 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 profle or non-intensity parameter ramping

INTERFACES
- Two individually configurable Ethernet (two ports) 802.3af compliant
- ETCNet2, Net3 (powered by ACN), Art-Net and Avab UDP output protocols
- Four DMX512-A/RDM Ports
- Contact Closure Triggers Via D-Sub Connector
- Three video connectors support display-port external displays 1280x1024 min. with optional touch-screen or multi-touch screen control
- USB multipurpose bus (seven ports)
- Radio Focus Remote (RFR)
- 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 1A at 230V
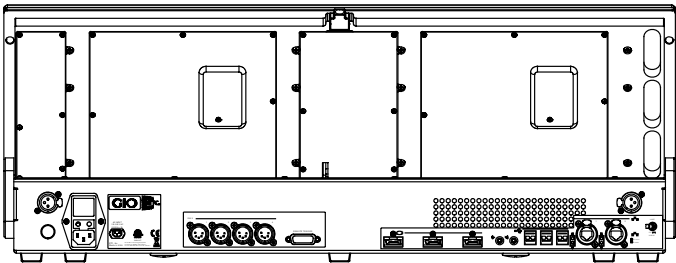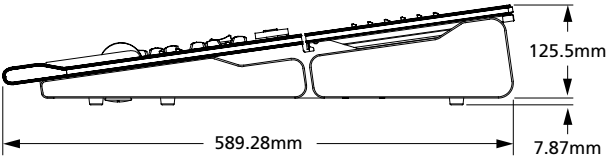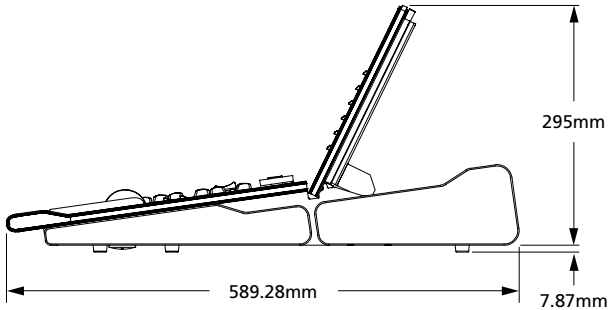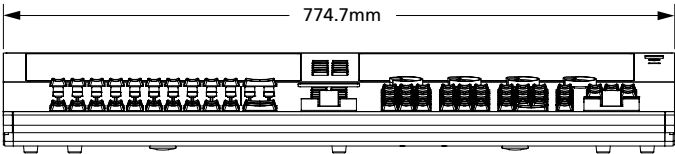
PHYSICAL

Gio Dimensions*

MODEL	HEIGHT	WIDTH	DEPTH
	mm	mm	mm
Gio Control Desk	295	775	589
Gio in Shipping Crate	877	692	257

Gio Weights*

MODEL	WEIGHT
	kgs
Gio Control Desk	20.5
Gio in Shipping Crate	27.2

*Weights and dimensions typical

AVAILABLE FROM