

# EVENT 416

## 36 FADER / 16 ASSIGN MASTER MEMORY LIGHTING CONTROL CONSOLE



### DESCRIPTION

The Jands Event 416 lighting control console combines the simplicity of operation of a two preset lighting console with a powerful palette-based moving fixture and scroller controller, resulting in an easy to use console with a familiar operating surface. Added to this is a set of powerful playback and control options to create the ideal conventional/moving light/colour scroller control console.

### FEATURES

- \* Control channels: 1024
- \* Separate focus, colour and beam palettes
- \* Manual control of fixture parameters
- \* Parameter masking in memories and chases
- \* User definable fixture libraries using PC editor
- \* Single or double fader crossfade stacks
- \* Decimal memory numbers for easy manipulation in stacks
- \* Single preset mode doubles the number of fader controlled channels
- \* Virtual Channel Faders (240)
- \* Flash buttons can be used on the top or bottom preset
- \* Cue linking
- \* Timed crossfades in 0.1 second increments
- \* Simplified patching
- \* MIDI control
- \* MS-DOS Floppy disk backup
- \* VDU output
- \* Channel preheat
- \* Console linking
- \* CE & V approved
- \* Offline Editor PC Program

### OVERALL SPECIFICATIONS

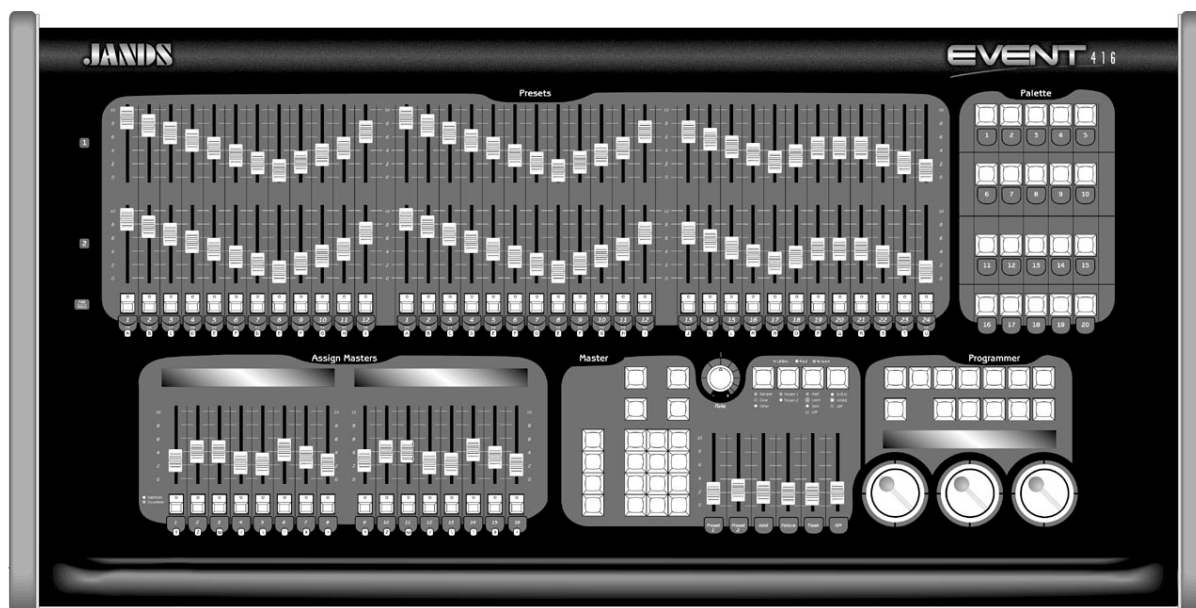
- Fader channels: 240 (36/72 Tactile Faders)
- Assign masters: 16 Dedicated + 12 Channel Faders
- Power supply: Universal 100-240 VAC  $\pm 10\%$ , 47-63 Hz
- Consumption: 40W typical
- Connector: IEC 3-pin with integral fuse, switch and mains filter 2A M205/240V
- Fuse: 2A M205/240V
- DMX out: 2  $\times$  USITT DMX-512/1990 protocol (RS-485 standard) / AXR 5-pin female socket
- VDU out: High density 15-pin D connector (for VGA type monitor)
- MIDI in/thru/out: 3  $\times$  5-pin 180° DIN socket
- Desk lamp out: 2  $\times$  12V current limited (dimmable), AXR 3-pin female socket (10W max. consumption)
- Keyboard input: 5-pin 180° DIN socket
- Displays: Programmer section: 40-character  $\times$  2 line LCD, white backlight  
Playback section: Two (2) 40-character  $\times$  2 line LCD, white backlight
- Disk drive: High density DOS compatible 3.5 inch disk drive
- Dimensions: 990mm(W)  $\times$  530mm(D)  $\times$  145mm(H)
- Net/shipping weight: 19/24.5 kg

### SUPPLIED ACCESSORIES

- 2m IEC to Clipsal 463 power cable (export models may vary)
- Floppy disk with operating software/fixture libraries
- Operating manual

### ORDERING INFORMATION

MODEL/PART	PART NO.
• EVENT 416 console	JND-EVENT416
• Desk lamps	CAE-18XR/CAE-18XR-HI
• Flightcase	JND-FC-EVENT416
• Version 5 Upgrade Kit	JND-EVENT4-V5



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### ARCHITECTS AND ENGINEERS SPECIFICATIONS

#### Electronics

The lighting control console shall provide a total of seventy two (72) preset faders and thirty six (36) flash buttons organised as a standard thirty six (36) channel two-preset controller. A single-preset mode shall allow the faders to be used as a seventy two (72) channel single-preset controller. When in single preset mode the flash buttons shall be able to be used on either the top or bottom group of channel faders. The flash buttons shall house a light emitting diode (LED) to indicate channel output level.

The console shall control a total of 240 virtual fader channels accessed via the keypad, including channels controlled by the 72 tactile faders.

The console shall control up to sixty (60) fixtures and 80 colour scrollers via the industry standard USITT DMX-512/1990 protocol. The DMX output sockets on the back panel shall be 5-pin AXR. The output voltages shall conform to standard RS-485 balanced serial data transmission.

The console shall have a VGA video output for connection to an external VDU. The connector shall be a high density 15-pin D connector.

The console shall have MIDI In, MIDI Thru, and MIDI Out connections, the sockets being standard MIDI 5-pin DIN connectors.

The console shall have a keyboard socket for connection to an external PC AT-type keyboard. The connector shall be a standard 5-pin DIN connector.

The console shall have sixteen (16) playback master faders to individually play back cue stacks.

Additionally, the last 12 faders channels shall have the option to playback memories+chaser.

The console shall have a programmer with numeric keypad and function buttons to create 'looks' on stage by selecting fixtures and parameters. Three (3) wheels shall be utilised to select and set various parameters.

The console shall utilise three (3) liquid crystal displays (LCDs) to provide feedback to the operator.

The console shall have a floppy disk drive to store or transfer show information on standard high density DOS format 3.5 inch disks.

The console shall have a memory capacity of at least 2.0 Mbytes and shall be battery-backed to prevent memory loss when switched off. The battery shall have a life of at least four (4) years.

The console shall incorporate design techniques and electronic filters to comply with Australian and European Union directives on electrical safety and electromagnetic compatibility (EMC).

The console shall be factory tested and cyclically burned-in for a minimum of 24 hours.

#### Operation

The console operating software shall incorporate diagnostic test routines that exercise the different systems on the CPU card. These test routines shall indicate to the operator (using LEDs and/or displays) the result (pass/fail) of the tests.

The console shall display an error message to the operator should the software malfunction or be corrupted.

#### Electrical

The console shall operate from a single-phase supply of 100-240 VAC  $\pm 10\%$ , with a supply frequency of 47 Hz to 63 Hz.

The console shall not draw more than 50 watts of power from a normal GPO. The power inlet shall be a switched and filtered IEC mains socket with integral fuse, and shall be located on the back panel of the console.

The console power supply shall be a universal-type switched mode supply requiring no changing of internal links to accommodate different supply voltages within the specified range.

#### Mechanical

The lighting control console shall be designed to be free-standing.

The console shall be 990mm wide x 530mm deep x 145mm high.

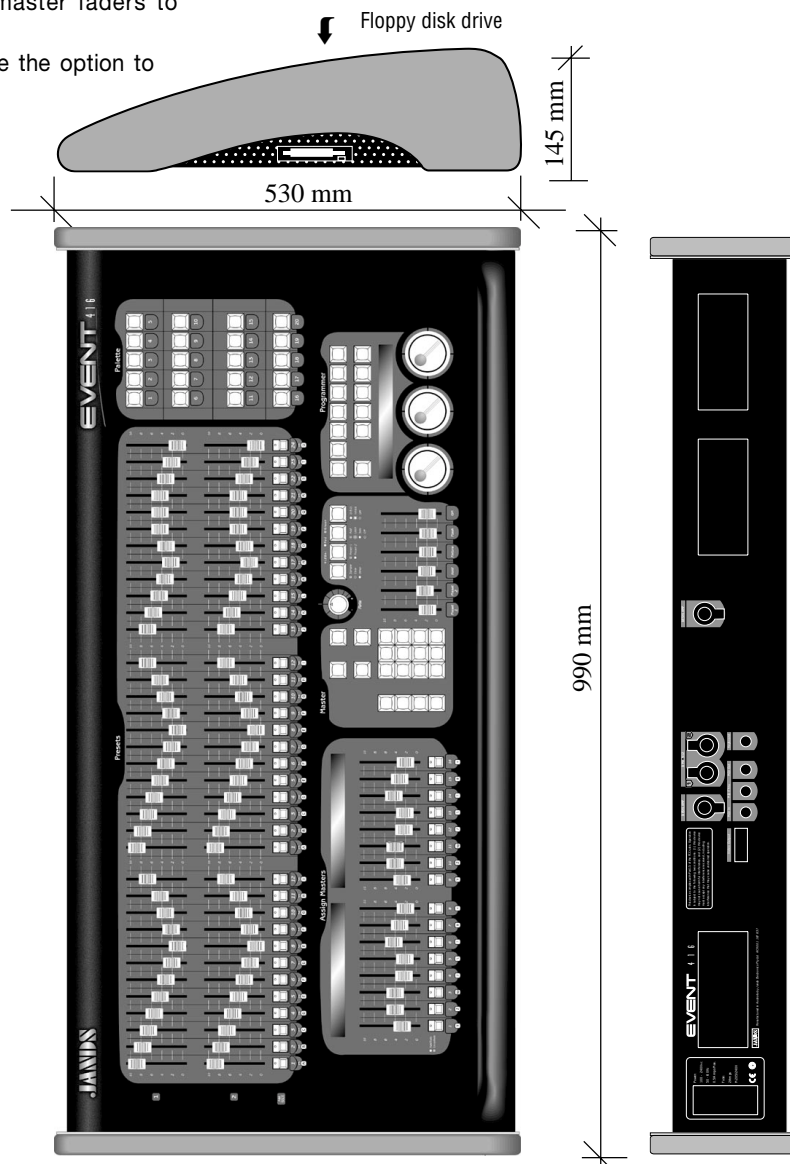
The chassis shall be constructed of 1.2mm steel, and shall be provided with a removable steel base for access to internal electronics. All metal surfaces shall be properly treated and finished in zinc or nickel plating, or powdercoat.

The control surfaces shall be scratch-resistant 0.25mm Lexan with legends reverse silk-screen printed from behind. The sides of the console shall be constructed of plantation timber, and the armrest finished in leather.

All operator controls and displays shall be provided on the top operating surface of the console.

The chassis shall have sufficient ventilation holes to allow adequate convection cooling of the power supply, provided the ambient temperature does not exceed 40°C (104°F).

The lighting control console shall be the JANDS EVENT 416.



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