

# ALCORA 24/48

## GENERAL SPECIFICATIONS

### DESCRIPTION

The Alcora is simple to use and competitively priced, bringing big budget sophistication at an affordable price.

The Alcora uses memory stack operation and can contain up to 99 memories, any of which can be scenes or chases.

The desk has comprehensive memory editing facilities including copy and paste. Memories are replayed using a single 'Go' button with timed, dipless crossfading between each memory. A range of chase effects including sound synchronisation come as standard.

### MAIN FEATURES

- ▶ DMX Output as standard with full DMX patch
- ▶ 48 Channel Controller
- ▶ Manual & Memory Operation
- ▶ External Memory Backup
- ▶ Go Button Replay
- ▶ Memory stack of up to 99 memories
- ▶ Timed dipless crossfades
- ▶ Audio Input
- ▶ Remote 'Go' connection
- ▶ Analogue Output option available



### SPECIFICATION

- ▶ Control Channels : 48
- ▶ Channel Faders : 48
- ▶ Preset Master Faders : 2
- ▶ Memory Master Faders : 1
- ▶ Available Memories : 99
- ▶ Power Supply : Plug Mounted transformer with 4 pin locking DIN connector
- ▶ Supply Voltage (European Variant) : 198 - 253 VAC
- ▶ Supply Voltage (US Variant) : 100 - 130 VAC
- ▶ Supply Frequency : 45 - 65 Hz
- ▶ DMX Output : DMX 512 via XLR 5 fixed socket. Data output to USITT DMX-512 1990 Protocol. Data on channels 1-512. Overvoltage protected
- ▶ Analogue Output (optional) : 0 to +10 Volts on 4 x 8 pin locking DIN connectors. All channels short circuit proof
- ▶ Audio Input : Stereo 1/4" jack socket. Input 100mV - 10V. Impedance > 10Kohms
- ▶ Remote Go Connections : 2 Pole 1/4" Jack. Closed contacts activate Go
- ▶ Dimensions : 420mm(W) x 730mm(D) x 90mm(H)
- ▶ Weight : 8 Kg

### SUPPLIED ACCESSORIES

- ▶ Operating Manual
- ▶ Power Supply

### ORDERING INFORMATION

- ▶ Alcora 24/48- UK 13A PSU : 00-107-11
- ▶ Alcora 24/48 - Schuko / French PSU : 00-107-21
- ▶ Memory Store : 00-116-00
- ▶ Memory Store x 3 : 00-116-33
- ▶ Alcora 24/48 Fibreboard Flight Case : 00-122-00
- ▶ Alcora 24/48 Professional Flight Case : 00-125-00
- ▶ 48 Channel Analogue Output Kit : 00-120-00



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# ALCORA 24/48

# SPECIFICATION

## ENGINEERING SPECIFICATIONS

### ELECTRONICS

The lighting control console shall provide 48 channels of lighting control and shall be able to operate as both a manual and memory controlled console.

The console shall have 48 channel faders arranged in two presets of 24 channels. Each preset shall have an independent preset master. The console shall have a wide mode of operation with a preset control button to allow 48 channel two preset control.

The console shall have a Grand Master fader to control the overall output.

The console shall have a single fade time control on the front panel to allow dipless, timed fades to be performed. The console shall have a blackout button to set all channel levels to zero instantly.

The console shall have a flash button for each channel located beneath the corresponding channel fader.

The flash buttons shall have a selectable on/off function, operated by a separate control with a status LED.

The console shall have the facility to record lighting states and lighting sequences.

The console shall have a sequential memory storage system with a 'Go' button for replaying the stored lighting states and sequences. The console shall have memory selection buttons to allow selection of any stored lighting state.

The console shall have a 'copy' button to allow rapid duplication of stored lighting states.

The console shall be capable of recording and replaying lighting sequences containing all 48 channels with selectable speed and direction. Sequences shall have the option of being controlled by an external audio source.

The console shall provide an editing mode whereby the operator can view and adjust the level of any stored channel.

The console shall have a plug-in memory module which will backup the entire contents of the console.

The console shall have rear-mounted connectors for the control outputs. DMX equipped variants shall have a single 5 pin XLR fixed socket with overvoltage protection, analogue variants shall have four 8 pin DIN connectors with short circuit protection for the channels. The console shall be tested both at assembly and at finished product stages and be soak tested for a minimum of 12 hours.

### OPERATION

The console shall have LED indication of the current operating mode and of the current DMX output status. There will also be indication via a 7 segment LED display of the currently output memory. The console shall have a 'super user' mode containing advanced functions. The console shall have a selectable recovery option in the event of a power failure.

### ELECTRICAL

The console shall operate from a single phase supply. Supply voltage for European variants shall be 190 - 253 VAC, supply voltage range for US variants shall be 100 - 130 VAC. Supply mains frequency shall be in the range 45-65Hz. The unit shall consume no more than 15 Watts.

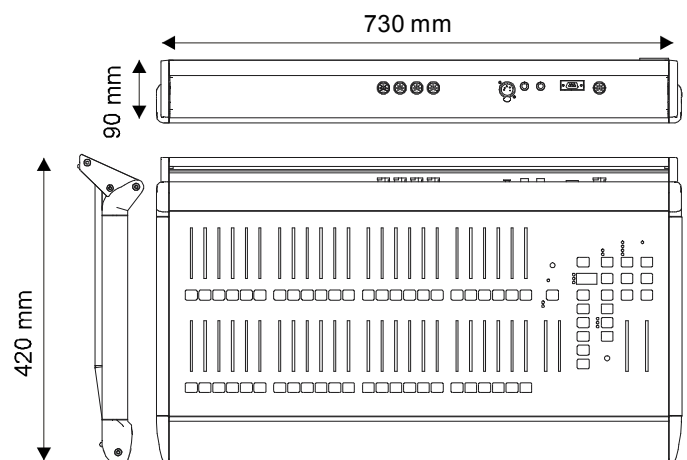
### MECHANICAL

The lighting control console shall be designed to be freestanding, and feature an integral carrying handle at the rear.

The console shall be 730mm wide x 420mm deep x 90mm in height. The console shall weigh no more than 8Kg. The chassis shall be constructed of extruded aluminium and be provided with a removable steel base for access to internal electronics. The corners of the chassis shall be constructed of injection moulded self-coloured ABS/Polycarbonate alloy.

All metal surfaces shall be properly treated and finished in specialist paint or powder coat.

The control surface shall be 1.2mm zinc plated steel with a 0.25mm multi-colour, reverse printed polycarbonate overlay. All operator controls and displays shall be provided on the top operating surface of the console.



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