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| <ol style="list-style-type: none"> <li>1. Preset A faders</li> <li>2. Preset B faders (in channel mode)</li> <li>3. Channel / scene LED displays</li> <li>4. Channel / scene flash buttons</li> <li>5. Twin fader time controls</li> <li>6. Hold controls for A faders</li> <li>7. A/B crossfaders with LED</li> <li>8. Channel / scene mode control</li> <li>9. C/D crossfaders with LED control fader bar graph</li> <li>10. Master flash level fader</li> <li>11. Channel / scene flash mode</li> <li>12. Flash to level or solo flash</li> <li>13. LCD display window</li> <li>14. Display cursor and menu controls</li> </ol> | <ol style="list-style-type: none"> <li>15. Record mode selector</li> <li>16. Number lock for keypad</li> <li>17. Effect controls and LEDs</li> <li>18. Effect type selectors with LEDs</li> <li>19. Effect direction controls with LED</li> <li>20. Manual step control for effects bar graph</li> <li>21. Effects go / stop control</li> <li>22. Audio sensitivity or MIDI tempo</li> <li>23. Effect fade in / out time fader</li> <li>24. Effect step time fader</li> <li>25. Effects master control selector</li> <li>26. Blackout switch with LED</li> <li>27. Grand Master</li> </ol> |
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### MX 12

Portable 12 channel memory console with 48 memories (4 pages of 12), 2 presets of manual faders (which can be used as scene masters), manual and timed playback controls and programmable effects. Complete with power supply.

■ 15Vdc ■ 12 ■ 512 ■ 2 - 12 ■ 48  
 ■ DMX512, AMX192, D54, SMX, MIDI ■ 651 x 285 x 65mm (25.6" x 11.2" x 2.6") ■ 4.3kg (9.5lbs)  
 ■ 651 x 350mm (25.6" x 13.8") ■ 6.1kg (13.4lbs)  
 ■ 0.025m<sup>3</sup> (0.88 Cu.ft) ✓ SELV

Cat No.	Description
64112	MX12, 12 Channel Console UK style psu
64212	MX12, 12 Channel Console EC style psu

### MX 24

Portable 24 channel memory console with 96 memories (4 pages of 24), 2 presets of manual faders (which can be used as scene masters), manual and timed playback controls and programmable effects. Complete with power supply.

■ 15Vdc ■ 24 ■ 512 ■ 2 - 24 ■ 96 ■ DMX512, AMX192, D54, SMX, MIDI ■ 912 x 285 x 65mm (35.9" x 11.2" x 2.6") ■ 5.7kg (12.5lbs)  
 ■ 912 x 350mm (35.9" x 13.8") ■ 8.3kg (18.3lbs)  
 ■ 0.051m<sup>3</sup> (1.8 Cu.ft) ✓ SELV

Cat No.	Description
64124	MX24, 24 Channel Console UK style psu
64224	MX24, 24 Channel Console EC style psu

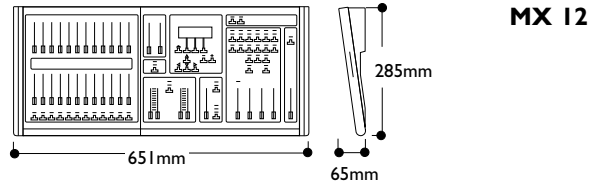
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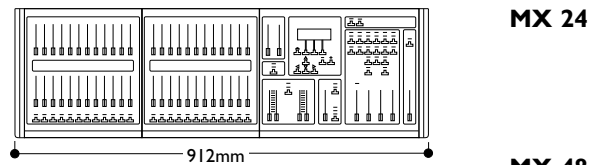
## C O N T R O L S

### MX™

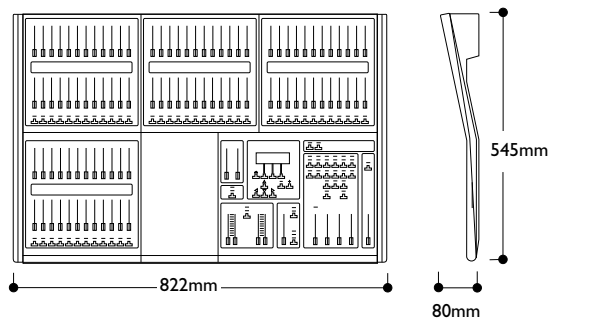
## 12, 24 & 48 Channels



MX 12



MX 24



MX 48

- 2-scene preset manual console with memory
- Ideal for smaller venues which require basic memory capabilities and special effects
- 12, 24 or 48 channels, maximum 512 dimmers
- Lightweight and portable
- LCD menu and data screen with choice of English, French or German language
- Optional video terminal display
- Manual, timed and recorded timed crossfades
- Individual flash button per channel with master
- 4 'pages' of memories
- 24 programmable effects
- Two proportional channel/dimmer patches
- Software selectable multiplex dimmer protocols: DMX, AMX, D54, SMX
- MIDI interface for automated effects and system expansion
- Optional memory storage card
- Printer output
- Power supply included
- Can be used for 120 - 240V operation with appropriate power supply

### A GUIDE TO SYMBOLS AND ABBREVIATIONS

**GENERAL** ■ Supply voltage ■ Number of channels ■ Number of dimmers ■ Number of sub-masters or faders ● Typical memory capacity ■ Control protocol ■ Weight of product ■ Overall dimension of product ■ Packed weight ■ Packed volume ■ Desk space required ✓ Compliance with safety standards.

**MX 48**

Portable 48 channel double height memory control console with 192 memories (4 pages of 48), 2 presets of manual faders (which can be used as scene masters), manual and timed playback controls and programmable effects. Complete with power supply.

☑ 15Vdc ☑ 48 ▶ 512 ⚙ 2 - 48 ⚙ 192 📡 DMX512, AMX192, D54, SMX, MIDI 📏 822 x 545 x 137mm (32.4" x 21.4" x 5.4") ⚖ 8.9kg (19.6lbs) 📏 822 x 600mm (32.4" x 23.6") 📦 12.7kg (28lbs) 📦 0.08m<sup>3</sup> (2.8 Cu.ft) ✓ SELV

Cat No.	Description
64148	MX48, 48 Channel Console UK style psu
64248	MX48, 48 Channel Console EC style psu

**MX Accessories**

Cat. No.	Description
66112	Terminal display, 14"
66113	Terminal cable
66114	Memory card, 64kB
65009	Demultiplexer, 24 channel
66083	DMX control cable, 2m
66081	DMX control cable, 10m
66082	DMX control cable, 25m

**Electrical Data**

<b>Supply Input</b>	-18V DC ± 10% 800mA
<b>Multiplexed Dimmer Outputs</b>	DMX: 5-pin XLR - Female AMX: 4-pin XLR - Male D54: 3-pin XLR - Female
<b>MIDI</b>	in: 5-pin DIN socket (180°) thru: 5-pin DIN socket (180°) out: 5-pin DIN socket (180°)
<b>Terminal Display and Printer</b>	EIA-RS232 25-pin D-type socket.
<b>Standards Compliance</b>	Designed to conform to SELV.

**Environmental Data**

<b>General</b>	Office level conditions, with a minimum of dust.
<b>Max Operating Ambient Temp</b>	0° to +35°C (32° - 95°F).
<b>Relative Humidity</b>	10% - 95% (non-condensing).
<b>IP Rating</b>	IP20.

**Mechanical Data**

<b>Construction Control Surface</b>	Custom designed injection molded case in dark grey, with matching fader knobs and push buttons. The control surface has been specially designed with slots to reduce lateral fader knob movement and remote contact switches to ensure reliability.
<b>Controls</b>	Smooth tracking faders and precise action push buttons throughout.
<b>Case</b>	The MX control panels fit into an extruded aluminium chassis in matching grey, with four rubber feet.

**Weights and Dimensions**

	MX12	MX24	MX48
<b>Weight</b>	4.3kg (9.5lb)	5.7kg (12.5lb)	8.9kg (19.6lb)
<b>Length</b>	651.0mm (25.6")	912.0mm (35.9")	822.0mm (32.4")
<b>Width</b>	285.0mm (11.2")	285.0mm (11.2")	545.0mm (21.4")
<b>Height</b>	65.0mm (2.6")	65.0mm (2.6")	137.0mm (5.4")
<b>Packed Weight</b>	6.1kg (13.4lb)	83.0kg (18.3lb)	12.7kg (28lb)

**Operational Data**

<b>Dimmers</b>	The console is capable of controlling up to 512 dimmers over multiplexed control lines. DMX512, AMX192 and D54 protocols are all included as standard, and are software selectable.
<b>Patch Tables</b>	Two software-controlled patch tables are available to link any dimmer or group of dimmers to a single channel. Additionally every dimmer may be set with a level which is proportional to the controlling channel.
<b>Cue Storage</b>	Capacity is related to channel size. MX12: 48 scenes (12 x 4 pages) MX24: 96 scenes (24 x 4 pages) MX48: 192 scenes (48 x 4 pages)
<b>Memory Retention</b>	One month without power (by internal rechargeable batteries.) MX can distinguish between being turned off and loss of power. If switched off a series of diagnostic tests will be run before the desk is operational. After power loss the desk is restored to the same state, including running effects and timed fades, as it was prior to power failure.
<b>Library</b>	A 64kB memory card can store the entire MX memory, or selectively record scenes, effects, patch tables and setup data.
<b>Display</b>	An integral 4 x 20 backlit LCD display provides access to setup information, and preview and modification of recorded states and effects. The terminal display option can show output, scene memory, held memory and patch details.
<b>MIDI</b>	Interface allows use with other MIDI equipment, such as sequencers for external playback control, or other MX consoles, for slave or back-up operations.



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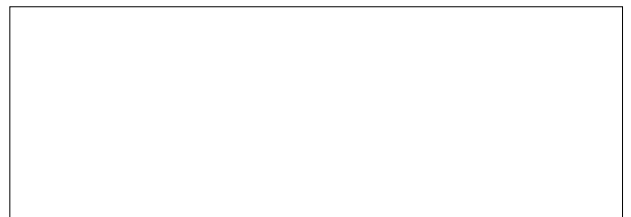
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