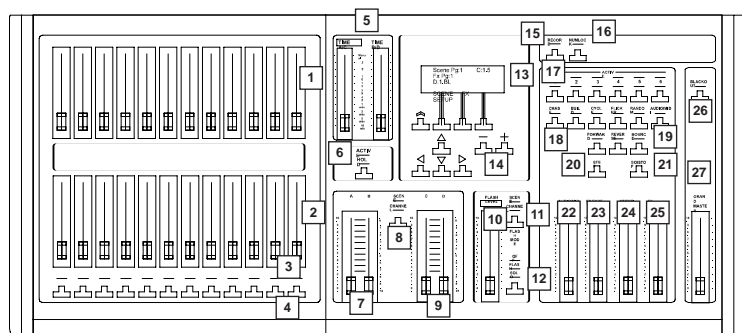




# MANTRIX<sup>®</sup> MX

## 12, 24 & 48 channels

- ❑ 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
- ❑ Optional video terminal display
- ❑ Manual, timed and recorded timed crossfades
- ❑ Individual bump button per channel with master
- ❑ 4 'pages' of submasters/cues
- ❑ 24 programmable effects
- ❑ Two proportional channel/dimmer patches
- ❑ Software selectable multiplex dimmer protocols: DMX, AMX, D54
- ❑ 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



1. Preset A sliders
2. Preset B sliders (in channel mode)
3. Channel / scene LED displays
4. Channel / scene bump buttons
5. Twin fader time controls
6. Hold control for A sliders
7. A/B masters with LED
8. Channel / scene mode control
9. C/D masters with LED control bar graph
10. Bump Master
11. Channel / scene bump mode
12. Bump to level or solo
13. LCD display window
14. Display cursor and menu controls scene masters (in scene mode)
15. Record mode selector
16. Number lock for keypad
17. Effect controls and LEDs
18. Effect type selectors with LEDs
19. Effect direction controls with LEDs
20. Manual step control for effects bar graph
21. Effects go / stop control
22. Audio sensitivity or MIDI tempo
23. Effect fade in / out time
24. Effect step time
25. Effects master control selector
26. Blackout switch with LED
27. Grand Master

### Mechanical & environmental data

Operating temp	32° - 95°F (0° to +35°C)
Relative Humidity	10% - 95% (non-condensing)
Construction	Custom designed injection molded case in dark gray, with matching fader knobs and push buttons.
Case	The MX control panels fit into an extruded aluminum chassis in matching gray, with four rubber feet.

### Weights and Dimensions

	MX12		MX24		MX48	
<b>Weight</b>	9.5lb	(4.3kg)	12.5lb	(5.7kg)	19.6lb	(8.9kg)
<b>Length</b>	25.6"	(651mm)	35.9"	(912mm)	32.4"	(822mm)
<b>Width</b>	11.2"	(285mm)	11.2"	(285mm)	21.4"	(545mm)
<b>Height</b>	2.6"	(65mm)	2.6"	(65mm)	5.4"	(137mm)
<b>Packed Weight</b>	13.4lb	(6.1kg)	18.3lb	(83.0kg)	28lb	(12.7kg)



## MX 12

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

## MX 24

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

## MX 48

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

## Operational data

### Dimmers

The console can control up to 512 dimmers over multiplexed control lines. DMX512, AMX192 and D54 protocols are all included as standard, and are software selectable.

### Patch Tables

Two patch tables are available to link any dimmer or group of dimmers to a single channel. The patch is fully proportional.

### Cue Storage

Capacity is related to channel size.

Mantrix MX12: 48 scenes (12 x 4 pages) Mantrix MX24: 96 scenes (24 x 4 pages)  
Mantrix MX48: 192 scenes (48 x 4 pages)

### Memory Retention

One month without power (by internal rechargeable batteries.) Mantrix 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.

### Library

A 64kB memory card can store the entire Mantrix MX memory, or selectively record scenes, effects, patch tables and setup data.

### Display

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.

### MIDI

Interface allows use with other MIDI equipment, such as sequencers for external playback control, or other Mantrix MX consoles, for slave or back-up operations.

The Company reserves the right to make any variation in design or construction to the equipment described. © Strand Lighting Ltd 1998. Strand™ and Strand Lighting™ are trade marks of Strand Lighting Limited and Strand Lighting Inc.

### Strand Lighting Inc

PO Box 9004 18111 South Santa Fe Avenue Rancho Dominguez CA 90221, USA Tel: +1 310 637 7500 Fax: +1 310 632 5519  
Second Floor 151 West 25th Street New York NY 10001, USA Strand Lighting Inc Tel: +1 212 242 1042 Fax: +1 212 242 1837

### Strand Lighting (Canada) Inc / Eclairages Strand (Canada) Inc

2430 Lucknow Drive No 15 Mississauga Ontario L5S 1V3 Canada Tel: +1 905 677 7130 Fax: +1 905 677 6859

## Technical specifications

### Supply input

-18V DC ± 10% 800mA

### Multiplexed dimmer outputs

DMX: 5-pin XLR - Female

AMX: 4-pin XLR - Male

D54: 3-pin XLR - Female

### MIDI

in: 5-pin DIN socket (180°)

thru: 5-pin DIN socket (180°)

out: 5-pin DIN socket (180°)

### Standards compliance

Power supply is UL and CSA listed

## Ordering information

### Cat No Description

64113	Mantrix MX12, 12 ch. console
64125	Mantrix MX24, 24 ch. console
64149	Mantrix MX48, 48 channel console, N American style psu

### Mantrix MX accessories

95090	DMX output cable, A5M/A5F, 25'
95091	DMX output cable, A5M/A5F, 50'
95092	DMX output cable, A5M/A5F, 100'
95521	AMX output cable, A4F/A4M, 12'
95524	AMX output cable, A4F/A4M, 25'
95522	AMX output cable, A4F/A4M, 50'
95523	AMX output cable, A4F/A4M, 100'
95155	Terminal display, monochrome 14"
66114	Memory card, 64kB
95490	Printer with cable
66036	Dust cover, Mantrix MX 12
66037	Dust cover, Mantrix MX 24
66038	Dust cover, Mantrix MX 48

LONDON - BERLIN - ROME - PARIS - MOSCOW - TORONTO - LOS ANGELES - NEW YORK - HONG KONG

[www.strandlighting.com](http://www.strandlighting.com)