

MANTRIX® MX

From Strand Lighting catalogue (undated)

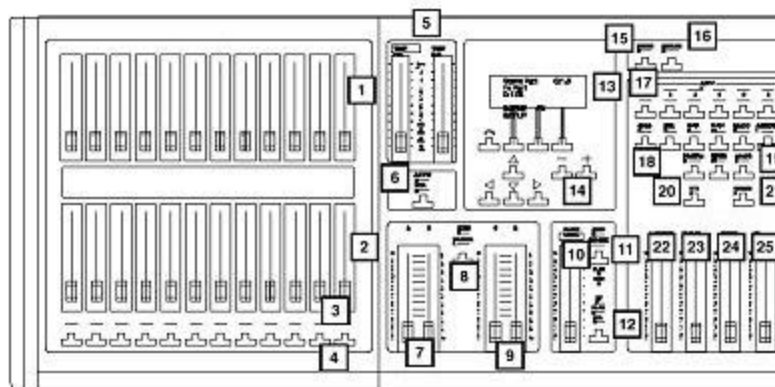


Introduced in 1990

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, Fr 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: DM, 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.**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**Control Surface** Custom-designed injection moulded case in dark grey, with matching fader knobs and push buttons, and an extruded aluminium chassis.**Controls** Smooth tracking faders and precise action push buttons are used throughout.**Dimmers** The console can control up to 512 dimmers over multiplexed control lines. DMX512, AMX192, D54 and SMX protocols are all included as standard, and are software selectable.**Patch Tables** 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.**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)

The scenes may be used for sequential or random crossfading, timed crossfades, or for overlapping manual control using the scene master faders.

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.**Printout** An RS232 port is fitted to transmit data to a serial printer terminal. Either the complete contents of the memory can be printed, or individual data can be printed by selecting the relevant menu item. A print queue system with progress indication is included.**Technical specifications****Supply input** 18V DC \pm 10% 800mA (earlier models seem to have been 15V DC 800mA)**Audio** 10mV - 10V rms into 47kOhm via 5-pin DIN socket**Multiplexed dimmer outputs**

DMX: 5-pin XLR - Female (international digital standard - 512 dimmers)

SMX: 5-pin XLR - Female (new Strand digital standard - 512 dimmers) ??earlier models only

AMX: 4-pin XLR - Male (international analogue standard 192 dimmers)

D54: 3-pin XLR - Female (Strand standard analogue multiplex protocol 384 dimmers)

MIDI in: 5-pin DIN socket (180°) thru: 5-pin DIN socket (180°) out: 5-pin DIN socket (180°)**Printer:** EIA-RS232 - 25-pin D-type**Standards compliance** Power supply is UL and CSA listed