M1 HD

M1 HD continues the tradition of the M1, being one of the most ergonomic lighting consoles on the market
With the full power of a larger desk and the agility of a smaller one, the M1 HD is a state-of-the-art, all-in-one lighting desk.

With more processing power than ever, the Martin M1 HD sets again a new standard as the most powerful and affordable full-featured lighting console of its category on the market.

All-in-one solution with integrated processing

Folding capacitive multi-touchscreen with 4 encoders

34 playbacks, 8 encoders for fast user access

FEATURES

- High-resolution folding capacitive multi-touchscreen

- Integrated industrial high-speed processing

- Digital LCD buttons for fast and direct parameter access

- 8 digital encoders for parameter control

- 12 customizable function keys

- Multiple wing attachment (M-Series Modules)

- 4x DMX Universes direct from the console; up to 40 Universes via Artnet and sACN without external processors

- M-Series Manager Software for programming and triggering via time and calendar schedules, RS232 and IP triggers

- Customizable Graphical User Interface with context-sensitive toolbars and integrated help menu

- Powerful effects engine

- Controls up to 20480 parameters

- Built-in 2D visualizer for selection and real-time visualization

- 1000 cuelists with fader control

- 1000 cuelists with playback control buttons

- Two separate playback sections

GALLERY

- Parallel execution of multiple cuelists

- Submaster, groupmaster and override functionality

- Parameter and time-fanning functionality

- Auto update for presets and cues

- On-the-fly global timing adjustments

- MaxNet synchronized programming and playback support

TECHNICAL SPECIFICATIONS

Physical
Length: 823 mm (32.4 in.)
Width: 464 mm (18.3 in.)
Height: 178 mm (7.0 in.) closed; 395 mm (15.6 in.) open
Weight: 14.9 kg (32.8 lbs.)
Shipping weight (in cardboard box): 19.9 kg (43.9 lbs.)
Shipping weight (in flightcase): 32.7 kg (72.1 lbs.)

Control and Programming
Protocol: DMX512A (RDM), Art-Net2, sACN
4 physical DMX ports
40 DMX universes
Integrated processing, 20480 parameters
No limit to number of DMX channels per fixture
Extensive fixture library for all known manufacturers
65000 presets for each group of functions (P/T, color, gobo, etc.)
Effect generator for automated programming of complex effects
Relative or absolute programming
Fan function for all channels (including timing parameters)
On-the-fly global timing changes
Virtual cuelists
Macros
Wait, follow and link cues
HTP, LTP, chase, timecode, submaster and group master playback functionality
Individual parameter timings
Intuitive patch feature
Fixture type cloning
All channels with 16-bit resolution

Control/User Interface

Main playback:
10 x 60 mm playback faders, each with four function-assignable buttons

Sub playback:
24 playbacks
Twelve 40 mm playback faders with one assignable button
12 x single assignable buttons

Other controls:
2 x scrollwheels for bank changes
12 x customizable multi-function keys
Playback Select button
Master Go section with Go, Pause, Snap and Release
4 x digital rotary encoders with push function and status LED for fixture parameter control
4 x additional user-definable digital rotary encoders with push function on the right of the main display
5 x dynamically labeled digital LCD buttons for parameter groups, effect parameters, fanning and global timings
Grand master fader and button
Blind/preview button
Customizable highlight/lowlight function
Customizable parameter defaults
Next/last fixtures/groups
Trackball with pan/tilt control switch
Left/right mouse button
Large command keys

Playback
Assign a cue, cuelist or effect to any playback fader
500 playback banks, each containing 10 playbacks
500 sub playback banks, each containing 24 playbacks
100 pages of 100 playbacks activated by touchscreen button
No limit to cues per cuelist
Full 16-bit fading for high-resolution fixtures
Individual fade in/fade out times for all playbacks
Manual override available at all times

Live 0-1000% override of global cue timings
Live programmer timing ("Sneak")
Cuelists can be executed in tracking or non-tracking mode

Hardware
Industrial 15.6 inch TFT 16:9 touchscreen (1376x768 pixels)
64GB SSD storage drive
Industrial motherboard, Intel Quad-Core Processor
8 GB RAM
Integrated graphics
2 x Integrated LED desklights

Software
Windows 10 Embedded OS
OS installation by USB 3.0 storage device
Show backup on hard disk or USB storage device (not included)
Support for ELO and Windows USB touchscreens

Connections
4 x DMX universe outputs: 5-pin locking XLR
1 x DMX in: 5-pin locking XLR
External displays: 2x DisplayPort (1920x1080 pixels)
Art-Net / sACN for up to 40 DMX universes in total: RJ-45 Ethercon
MaxNet controller link: RJ-45 Ethercon
2 x M-Series Module interfaces: RJ-45 Ethercon
MIDI in/out/thru (MIDI show control, MIDI notes, MIDI timecode): 5-pin DIN
SMPTE In/Out: 3-pin locking XLR
AC power input: Neutrik PowerCon TRUE1

USB (storage media/hardware peripherals)
Back of mainboard: 4 x USB 3.0
Side of console: 2 x USB 2.0
Front of console: 1 x USB 2.0

Electrical
AC power: 100-240 V nominal, 50/60 Hz

Typical Power and Current
0.75 A, 80 W

Included Items
Dust cover: P/N 91613070
Two LED desklights, built-in
USB Flash Recovery Drive
Martin™ One-Key with M-PC Pro lifetime license and ShowDesigner 6™ Lite 3D
Visualizer 1 year license
M-PC Pro with 64 Universe License

Accessories
Flightcase for Martin™ M1 and M1 HD: P/N 91535070
Martin™ M-Play: P/N 90737030
Martin™ Ether2DMX8: P/N 90758130

Related Items
Martin™ M-DMX Interface Box / Martin M-PC 2U package: P/N 90737070

Ordering Information
Martin™ M1 HD Console: P/N 90732090