

Maxxyz™ Specifications

Maxxyz is Martin's professional lighting console with a string of original features and an intuitive and graphical software interface.

Features

- Integrated 3D Visualizer: preview or program in real-time 3D
- Digital LCD buttons for fast and direct programming
- Multiple wing attachment
- Up to 32 DMX universes, 8 available directly from the console
- Dual processing power, 2 Pentium CPUs
- Maxxyz Manager Software for programming and triggering via time and calendar schedules
- Customizable Graphical User Interface with context sensitive toolbars and integrated help menu
- Powerful effects engine
- Controls up to 16384 fixtures
- 1000 cuelists with motorized fader control
- 1000 cuelists with playback control buttons
- 12 customizable function keys
- 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
- Networking with Maxedia media server

Physical

- Length: 1034 mm (40.7 in.)
- Width: 613 mm (24.1 in.)
- Height: 287 mm (11.3 in.)
- Weight: 48 kg (105.8 lbs.) w/o flightcase, 66 kg (145.5 lbs.) with flightcase

Control and Programming

- Protocol: DMX512, Artnet (ACN and RDM pending)
- 8 DMX universes, expandable to 32
- 4096 channels, expandable to 16384
- No limit to number of DMX channels per fixture
- 3-D Visualizer
- 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
- Customizable highlight and lowlight function to identify individual fixtures
- 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

- 10 x motorized playback faders, each with one dynamically labeled LCD button (to identify/activate playback) and two function-assignable buttons
- 8 x digital fader belts for fixture parameter control
- 15 x dynamically labeled digital LCD buttons for parameter groups, functions, effect parameters, fanning, global timings
- Grand master fader and button
- Flash master fader and button
- Two group master faders and buttons
- Trackball with pan/tilt control switch
- 16 x view buttons, 4 x view scroll buttons
- Preview button
- 12 x customizable function keys, F1 to F12
- Customizable highlight/lowlight function
- Speaker and headset volume controls
- Next/last fixtures/groups
- Left/right mouse button
- Digital encoder wheels for window scrolling and screen/desk lamp intensity

Playback

- Assign a cue, cuelist or effect to any playback fader
- 100 playback banks, each containing 10 playbacks, can all be active simultaneously
- No limit to cues per cuelist
- 100 pages of 100 playbacks activated by touchscreen button
- 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")
- Go-function (supports multiple cues simultaneously)
- Cuelists can be executed in tracking or non-tracking mode
- Show data is mirrored on secondary hard disk

Hardware

- Two industrial SVGA 12.1" TFT color touch monitor screens
- Two internal hard drives
- Two industrial motherboards with 1.2 GHz Pentium III processors
- DVD/CD drive (not intended for movie playback)
- 3.5" floppy drive
- 3 x LED desk lamps
- Integrated stereo loudspeakers
- Integrated slide-out QWERTY keyboard

Software

- Industrial Windows XP Embedded OS (not user-accessible)
- Real-world paradigm intuitive interface (images, dynamic text labels and actuals)
- Show backup on hard disk, CD-R or USB storage device (not included)
- Compatible with Martin ShowDesigner

Connections

8 x DMX universe outputs: 5-pin locking XLR

2 x external monitor screens: VGA

Artnet for addition of up to 32 DMX universes: RJ-45

Maxxyz/Maxedia multiple controller link: RJ-45

4 x Maxxyz Wing interfaces: RJ-45

3 x storage media/hardware peripherals: USB 2.0

MIDI in/out/thru (MIDI show control, MIDI notes, MIDI timecode): Standard MIDI (5-pin DIN)

SMPTE timecode in: 3-pin locking XLR

LTC timecode in: BNC

Headphones: 3.5mm stereo mini-jack

3 x desk lamps: XLR

AC power input: 3-pin IEC

Electrical

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

Typical Power and Current

230 V, 50 Hz: 160 W, 0.75 A

Approvals



EU safety: EN 60950

EU EMC: EN 55103-1, EN 55103-2

US safety (pending): ANSI/UL 60950-1

Canadian safety (pending): CSA C22.2 No. 60950-1