

The Cerebrum module is a compact yet powerful touch-screen computer and the heart of the Maxxyz modular concept. It runs the lighting software on Windows XP Embedded which controls the Maxxyz Compact. The Maxxyz Cerebrum can also be used as a stand-alone unit for control in installations and also functions as a backup system for any Maxxyz console, Maxxyz PC or other Cerebrum module.

- Industrial motherboard with Pentium M processor
- Industrial SVGA 12.1" TFT color touch monitor screen
- Real-world paradigm intuitive interface (images, dynamic text labels and actuals)
- Customizable GUI (Graphic User Interface)
- 16 x view buttons, 2 x view scroll buttons
- 2 physical DMX universes, expandable to 32 via Artnet or USB/DMX interface
- Maxxyz Manager for scheduling (astronomical clock) and remote triggering via Internet

Physical
 Length: 275 mm (10.8 in.)
 Width: 483 mm (19.0 in.)
 Height: 182 mm (7.2 in.)
 Weight: 7.3 kg (16.1 lbs.)

Control and Programming
 Protocol: DMX512, Artnet (ACN and RDM pending)
 2 physical DMX universes, expandable to 32 via Artnet or USB/DMX interface
 32 universes or 16384 channels from a single Cerebrum
 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
 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
 Maxxyz Manager for scheduling (astronomical clock) and remote triggering via Internet

Control/User Interface
 Customizable GUI
 Grand master fader and button
 Flash master fader and button
 16 x view buttons, 2 x view scroll buttons
 Customizable highlight/lowlight function
 Digital encoder wheels for window scrolling and screen/desk lamp intensity

Playback
 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

Hardware
 Industrial SVGA 12.1" TFT color touch monitor screen
 Internal SATA 2.5" hard disk drive
 Modular construction
 Industrial motherboard with Pentium M processor
 Internal Maxxyz software protection dongle

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 or USB storage device (not included)
 Compatible with Martin ShowDesigner

Connections DMX in: 5-pin locking XLR
DMX out: 5-pin locking XLR
External monitor screen: VGA (15-pin D-sub female)
Artnet for addition of up to 32 DMX universes: Neutrik RJ-45 socket (accepts Neutrik EtherCon connectors in housing)
Maxxyz/Maxedia multiple controller link USB: Neutrik RJ-45 socket (accepts Neutrik EtherCon connectors in housing)
Ethernet for multiple controller link: Neutrik RJ-45 socket (accepts Neutrik EtherCon connectors in housing)
USB devices: USB host socket
Desk lamp: 2.5 mm (0.1 in.) DC bayonet
Microphone: 6.3mm (1/4-inch) mono jack
Audio in/out: RCA phono
AC power input: 3-pin IEC male socket
AC power throughput: 3-pin IEC female socket

Electrical AC power: 100-240 V nominal, 50/60 Hz
Power supply unit: Auto-ranging electronic switch-mode
Main fuses: 2 AT (x 2)
Desk lamp output: 12 V
AC power output: Unswitched, unfused, max. 6 A

Approvals

EU safety: EN 60950
EU EMC: EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3
US safety (pending): UL 60950-1
Canadian safety (pending): CSA C22.2 No. 60950-1

Included Items 1.5 m (4.9 ft.) power cable, 3-pin IEC: P/N 11501012
Ethercon patch cable: P/N 11840144
USB cable (A/B), 1000 mm (39.4 in.): P/N 11840066
User manual: P/N 35000223
Recovery DVD, Maxxyz Compact/Cerebrum

Ordering Information MaxModule Cerebrum: P/N 90732140
MaxModule Frame (empty) in Flightcase: P/N 90732120
MaxModule Frame (empty) in Cardboard Box: P/N 90732130

Published on: 29 Oct 2009. © 2009 Martin Professional A/S. Specifications subject to change without notice