grandMA full-size
– full multi-media *control*

The grandMA full-size is the extensive integration of conventional lighting, moving lights, LED- and media server control in one console. Completely compatible with the grandMA family, it is the largest version of the grandMA family of desks. With 20 motorized faders and three Touchscreen, the grandMA fullsize has all the features that makes the grandMA so popular, like an internal UPS and motorized faders for multiple pages of playbacks.

Technical Specification – Art.-No. 120301

Software Specification
Protocols: DMX-512A, MA-Net, Art-Net, Pathport, Portall, ETC Net-2, Strand Shownet, Midi Show Control, ACN-ready
Parameters: 2,048 or 4,096
(up to 16,384 with Parameter Expansion via NSPs)
Cues: virtual unlimited
Sequences: 999
Effects: 899
Groups: 999
Presets: 10 groups x 999
Dimmer Profiles: virtual unlimited
User Profiles: 32

User Interface (Hardware)
Executor Faders: 20 motorized
Executor Buttons: 40
Rotary Encoders: 4
Trackball: 1 (integrated)

User Interface (Software)
Playback Faders: 20 x 128 pages
Playback Fader Buttons: 20 x 128 pages
Playback Buttons : 40 x 128 pages

Physical Input / Output
Network: 100 base TX, RJ45
(EtherCon on request)
DMX-512A: 4x OUT, 1x IN, 1x THRU
MIDI: 1x OUT, 1x IN, 1x THRU
Time Code: 1x SMPTE (LTC, MTC)
RS232: 2x DB-9 (restricted)
Keyboard: 1x PS2
Mouse: 1x PS2
Printer Port : 1x parallel
VGA: 3x DB-15
USB: (future use)
DC-Remote: 1x DB-25

Sound Input: 1x 6,3mm jack (sym.)
Displays
Internal Screen: 3x TFT Touchscreen
External Screen: 2x VGA (plus 1x Diagnostic)

Dimensions
Size: 1200 x 150 x 670 mm
(47.3 x 5.9 x 26.4 inches)
Weight: 47 kg / 104 lbs

System
Operating System: VxWorks
Main Board CPU: VIA, 800MHz
Slave Board CPU: Motorola 68360, 33MHz
Main Memory: 256MB
Hard Drive: 20GB minimum
Flash Drive: 16MB
Floppy Drive: 1.44MB
Power Supply: 90-230V, 50-60Hz, 150VA
UPS: internal (12min)

Advanced Features
- Max. 16 consoles networked as Multi User, offering virtual partitioned areas ("Worlds")
- consoles in the same session are automatically a backup system
- Max. 64 DMX universes with 16 NSPs
- Auto-Save function
- Oops function (undo up to 20 commands)
- Recall commands direct from command line
- Supports 6 PDA remotes via Wireless LAN
- FTP file server support and remote file backup functions
- Complete suite of accessory PC software
- grandMA – the DVD interactive training DVD complete with tutorials

Detailed Software Features

- Multi-User programming
- "Worlds" feature provides virtual partitions between control areas for different users
- Full Tracking Backup between consoles
- Playback tracking for up to 16 consoles
- Sophisticated Effects generation
- Automatic chase creation with MATricks
- Fixture replacement while preserving programming
- Automatic cloning of additional fixtures or ranges of fixtures extends throughout all cues and presets in the show
- Auto-Save
- Partial show read
- Color Picker visual colour selector
- Gobo thumbnails appear on preset keys
- Matrix programming with imported bitmaps
- Multiple user profiles and logins (at various security levels)
- Integrated wire frame visualizer
- Stage movement in XYZ coordinates
- Blind Editing & Blind Programmer
- ASCII Show Read / Write
- DMX IN or Art-Net IN
- Virtual Playbacks

Parameter Expansion

Large shows may require more control channels than a single console can handle. Instead of virtually linking the outputs of multiple consoles, grandMA offers true expansion of a single console's parameter capacity. Up to 16,384 individual parameters in both 8bit and 16bit resolution are controlled and displayed on a single grandMA console, with a maximum of 64 discrete DMX universes on the network. When configured in parameter expansion mode, the master console functions as a terminal interface: communicating and displaying locally – while all controlled parameters are processed externally by Network Signal Processors (NSPs).
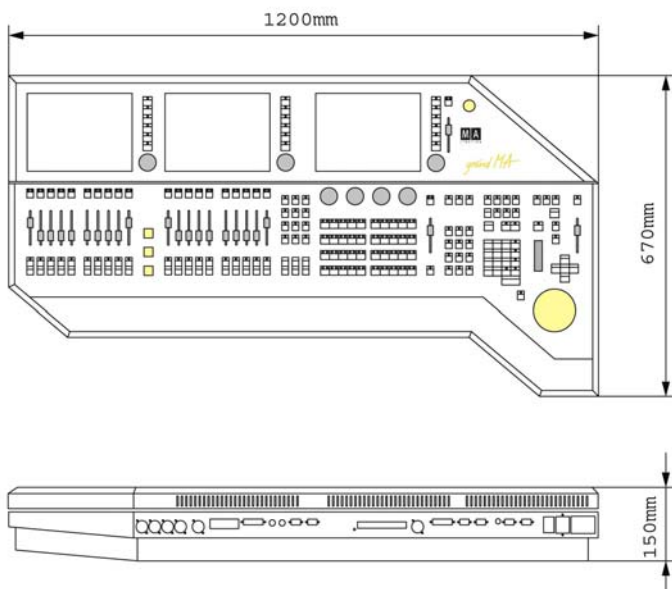
Multi User

With its unique multi-user functionality, up to 16 consoles, offline applications, grandMA video media servers, or grandMA 3D visualizer can be linked together on a network to control a single show. Multiple operators can work simultaneously without getting in each other's way and with no need to merge their show files together afterwards. Each individual console can be operated independently.

Wireless Remote Control

Up to six PDAs can function simultaneously as independent wireless remotes in the grandMA system. They can be used for remote focusing, cue editing, or even control of the complete show.

Accessory PC Software

- grandMA 3D (real-time visualization software)
- grandMA offline (offline editor)
- grandMA onPC (optimised for live control)
- grandMA remote (for Pocket PC remotes)
- grandMA video (media server application; integrates control and programming of video into the console)

1200mm

670mm

150mm