

# grandMA replay unit

## – complete replay control

The grandMA replay unit is a full grandMA console in a three unit high, rack mounting chassis. Completely compatible with the grandMA family, it is the 19 inch version of the grandMA family. With 5 faders and 5 buttons, the grandMA replay unit has all the features that makes the grandMA so popular, like an internal UPS and all inputs of the full grandMA family.



Technical Specification – Art.-No. 120305

### 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  
(or 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: 5

Executor Buttons: 5

Rotary Encoders: 0

Trackball: 0

### User Interface (Software)

Playback Faders: 5x 128 pages

Playback Fader Buttons: 15x 128 pages

Playback Buttons : 5x 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: 2x Type A

DC-Remote: 1x DB-25

Sound Input: 1x 6,3mm jack (sym.)

### Displays

Internal Screen: 0x TFT Touchscreen

External Screen: 1x VGA (plus 1x Diagnostic)

### Dimensions

Size: 485 x 130 x 430 mm  
(19 x 5 x 17 inches)

Weight: 11 kg / 24.3 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

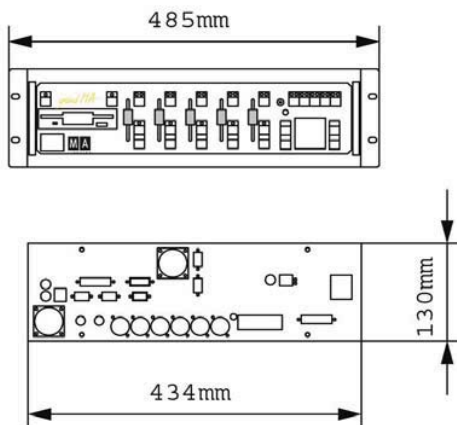
UPS: internal (12min)

### Advanced Features

- Max. 32 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)
- Recalls command 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 32 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 Playback



## 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 32 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 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)



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