Release Notes 3.9

Important Information for Updating

Bug Fix Version 3.9.60.37

Bug Fix Version 3.9.60.28

Bug Fix Version 3.9.60.18

Bug Fix Version 3.9.60.4

Bug Fix Version 3.9.60.3

Bug Fix Version 3.9.60.2

Bug Fix Version 3.9.51.2

Bug Fix Version 3.9.0.3

Features

Other Enhancements

Fixed Bugs

Appendix

Known Limitations

You will find the latest system requirements for several products on www.malighting.com

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Important Information for Updating

Update dimMA system:
If you would like to update the dimMA system from any version below 7.x, contact your MA dealer or MA directly for any update information. If you use grandMA2 along with dimMA solutions, get in touch with us. A console update requires an MA NDP (= Network Dimmer Processor) update and vice versa. We are happy to assist you.

Update grandMA2 onPC and MA 3D:
The current versions of grandMA onPC and MA 3D require at least Windows® 7. Microsoft® .NET Framework (4.0) will be installed on your computer.

Update MA VPU
If you would like to update the MA VPU basic or the MA VPU light from any version to v3.2 or higher, at least one screen and one mouse has to be connected to the MA VPU.

Update MA Network Switch
If you would like to update the MA Network Switch in v3.1 or v3.2 to v3.3 or a subsequent version, execute the display reset after the update has been installed. As soon as Booting is displayed on the display of the MA Network Switch after the update:

1. Disconnect the power.
2. Press and hold the yellow menu button on the left side of the display.
3. While holding the button power up the MA Network Switch again.
4. As soon as Booting appears on the display of the MA Network Switch release the button.

To execute a fallback on v3.3 or a subsequent version in v3.1 or v3.2, proceed in the same manner.

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Release Notes

Bug Fix Version 3.9.60.37

Other Enhancements

Improved grandMA2 to grandMA3 converter:

- Converts static content of cues.
- Converts values and timings of global and universal presets. Effect data in presets and presets that contain only timings without values are excluded from the conversion.
- Converts selective effects in the effect pool into preset pool 22 (All 2). This pool will be renamed to Effects. The forms of grandMA2 effects will be converted into values for Acceleration and Deceleration. Only the simple predefined forms of grandMA2 can be converted at this stage.

Added Carallon library v18.1.

Fixed Bugs

Description
The login screen on onPC stations allowed to move the faders in the GUI, while all other elements are locked. This bug is fixed. Now also the faders in the GUI are locked when the onPC station is in the login screen.
Pressing several encoders very often at the same time could crash the software. This bug is fixed. Pressing encoders very often at the same time does not crash the software anymore.

grandMA2 to grandMA3 Converter

Description
The first fixture in converted groups, presets, filters, and sequences were set to 1 on the grid X-axis. This bug is fixed. Fixtures in converted groups, presets, filters, and sequences will be placed in the grid starting at coordinate 0/0/0.
Empty sequence pool objects were created as normal sequence objects when converting a show file into a grandMA3 show file. This bug is fixed. Empty sequence pool objects stay empty now when converting a show file.

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Bug Fix Version 3.9.60.28

Other Enhancements

The grandMA2 to grandMA3 converter has been improved:

- Sequence settings are converted.
- Cues (only cue number) and cue part (only name and cue part timings, except preset type timings) are converted.
- The conversion of channel functions has been improved. In the grandMA2 the non-linear physical characteristic of channel functions was described within the physical values of the channel sets. This could cause unexpected behavior of the encoders in natural and physical readout because of the channel function's invalid range of physical values. The conversion has been improved to the extend that converted channel functions now have a valid range of physical values according to their channel sets.

Added Carallon library v17.3.

CITP Thumbnail Exchange requires now in the fixture type of the used fixtures a mode dependency between the selected image subattribute and the selected library subattribute.

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Fixed Bugs

Description
Channel functions of fixtures that were added by using the CITP Thumbnail Exchange feature, were set to a natural value range from 0 to 100. This bug is fixed. Channel functions that will be added by the CITP Thumbnail Exchange are now set to a natural range from 0 to 255.

Mode2 on grandMA3

Description
The level wheels of the custom section on grandMA3 full-size consoles running Mode2 had no functionality anymore. This bug is fixed. The level wheels on grandMA3 full-size consoles running Mode2 work again to change the Program Time and the Exec Time.
The touch screen assignment did not assign the touch screens correctly when touch screens were used that will report as two devices: touch device and mouse device. This bug is fixed. Touch screens that report themselves as two devices are now handled correctly when using the touch assignment functionality.

grandMA2 to grandMA3 Converter

Description
The Save as grandMA3 show file conversion failed when the show file had selective embedded presets stored. This bug is fixed. Selective embedded presets do not let the show file conversion to grandMA3 fail anymore. But still, embedded presets won't be converted, yet.

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Bug Fix Version 3.9.60.18

Other Enhancements

The grandMA2 to grandMA3 converter has been improved:

- The inverts for pan and tilt on encoder and DMX level and the ReactToMaster settings of fixtures will now be converted when saving a show as grandMA3.
- Groups and worlds are now converted into the grandMA3 format. When a group or world appearance has an appearance, the appearance will also be converted into a grandMA3 appearance. If several objects use the exact same RGB color for the appearance, only one grandMA3 appearance will be created. This appearance will then be used by all converted grandMA3 objects.
- The values and timings of presets will now be converted. Effect data in presets and presets that contain only timings without values are excluded from the conversion.

> **Restriction:**
> - Global and universal presets are not converted, yet.
> - Embedded presets are also not converted, yet.

The merge behavior of grandMA2 xPorts nodes (also when running Mode2 on grandMA3 xPort nodes) in sACN mode has been improved:

- The sACN priority is now the first criteria. No matter of the set up merge mode per XLR port, the highest priority will be output.
- If there are 2 or more sACN senders sending on the same priority (which is also the highest priority in the network), then the resulting signal is merged by the set up merge mode:
  - Off: The first detected sender will be output.
  - HTP: The highest values will be output.
  - LTP: The values from the sender who changed its values last, will be output.
  - LoTP: The lowest value will be output.

> **Hint:**
> When the last sender of the highest priority disappears it will take 10s of timeout until the data of the next lower priority will be output.

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Fixed Bugs

Description
The software could crash under special circumstances when the DMX sheet was opened. This bug is fixed. The software should not crash anymore when opening a DMX sheet.
When sending Art-Net via unicast to an IP that is not part of the usual Art-Net IP area, the destination port was not set correctly. This bug is fixed. Sending unicast Art-Net uses now always port 6454.
Connecting via SFTP to a console did not allow to access the user data of other installed versions. This bug is fixed. Accessing the console via SFTP now also allows to enter the folders of other installed software versions.

xPort Nodes

Description
grandMA2 xPort nodes used only a TTL of 1. This bug is fixed. The TTL of grandMA2 xPort nodes is now set to 8.

Mode2 on grandMA3

Description
The software could crash when running in grandMA3 full-size and grandMA3 light consoles when having a calculator of the layout encoder bar open and pressing Store Please.
Pause [large] could flicker from time to time on grandMA3 compact consoles. This bug is fixed. Pause [large] does not flicker anymore in an uncontrolled way. In addition, Pause [large] blinks now with a regular pattern of 0.5 s from off to on, when the pause is active.
Converting DMX into Art-Net or sACN and the input signal had a frame rate higher than 30 Hz by using grandMA3 xPort Nodes running Mode2, caused the input to stuck from time to time. This bug is fixed. Inputting DMX with a frame rate above 30 Hz into grandMA3 xPort Nodes sends out the network protocols smoothly again.

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Bug Fix Version 3.9.60.4

Fixed Bugs and Improved Functionality

Description
The software could freeze when looping cues, mainly when creating an endless loop. This bug is fixed. Looping cues within a sequence should not freeze the software anymore.
The software could crash when overlaying the opened setup menu with the edit sequence pop-up and executing Setup in the command line. This bug is fixed. The software does not crash anymore when having a pop-up open overlaying the setup menu and then executing the keyword setup in the command line.
When sending Art-Net as unicast the system monitor displayed a lot of unnecessary messages. This bug is fixed. Sending Art-Net displays only necessary messages in the system monitor again.

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Bug Fix Version 3.9.60.3

Fixed Bugs and Improved Functionality

Description
Changing the appearance of cue during a cue transition canceled the fade. This bug is fixed. Cue transitions are not canceled anymore when changing the appearance at the same time.
Entering the live patch via Setup - Patch only (Live) and leaving it via command line, kept the command line destination in the patch only. This bug is fixed. Leaving the live setup with the commands **CD Root** or **CD /** exits also the command line destination from patch only.

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Bug Fix Version 3.9.60.2

Fixed Bugs and Improved Functionality

Description
The Show Groups Info in Setup - MA Network Configuration - Network Switch was not highlighted when the groups info was displayed. This bug is fixed. Show Groups Info is now always highlighted when the groups info is displayed.
Art-Net poll replies had input universes and output universes interchanged. This bug is fixed. Art-Net poll replies now carry the correct universe information.
Art-Net poll replies had BindIndex and BindIp always set to 0. This bug is fixed. Art-Net poll replies send by grandMA2 now contain the correct BindIndex and BindIp information.
The subnet in Art-Net poll replies was incremented when sending universes within one Art-Net configuration that were part of at least 2 different subnets. This bug is fixed. Art-Net poll replies now contain the correct subnet information for their universe.
Art-Net poll replies never had the correct network addressed. This bug is fixed. Art-Net poll replies now contain the correct network.
The console could crash during show download when it tried to access data that was not received, yet. This bug is fixed. The console should not crash anymore when trying to read not existing data during a show download.

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Bug Fix Version 3.9.51.2

Fixed Bugs and Improved Functionality

Description
Layouts could cause a crash during show download. This bug is fixed. The software does not crash anymore during a show download because of a layout.
RDM sheet was not updated when the DEVICE_LABEL of an RDM fixture changed and the new name was the old name but shortened by the last character. This bug is fixed. The RDM sheet is now always updated when changing the label of an RDM device.
The console could crash when cloning with multi instance fixtures. This bug is fixed. Cloning should not crash the console anymore.
ToFull and ToZero did not work when adding cue mode options to the command. This bug is fixed. ToFull and ToZero work now also with cue mode options.

grandMA2 onPC

Description
The onPC could crash when executing a plugin. This bug is fixed. The onPC does not crash anymore when executing a certain plugin.

Mode2 on grandMA3

Description
Exporting the patch as HTML files did not create HTML files on the selected drive. This bug is fixed. HTML files will be created now when exporting the patch as HTML files.

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Bug Fix Version 3.9.0.3

Fixed Bugs and Improved Functionality

grandMA2 onPC

Description
The onPC could crash when executing a plugin. This bug is fixed. The onPC does not crash anymore when executing a certain plugin.

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grandMA2 Version 3.9.0.1

Features

The latest release of grandMA2 version 3.9 rolls out several enhancements that enrich your lighting experience. Read on for a quick introduction and find links for more information.

Other Enhancements

Added Carallon library v16.0.

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Fixed Bugs

Description
Leaving a session using a console could lose user variables. This bug is fixed. User variables are not lost anymore when a console leaves the session.
Line breaks and text alignment in the 2 parts of the PSR menu differed from one another. This bug is fixed. The PSR menu has now the same line breaks and text alignment.
Midi timecode (MTC) full frame messages were not recognized by the consoles. This bug is fixed. MTC full frame messages are processed by the system now.
Clock window and timecode pool did not display fractions of a second if the overall amount of time was too large. This bug is fixed. Clock window displays always now all numbers of the timecode time. The timecode displays all fractions as long as the time fits into the available space. Otherwise the fractions will be cut.
Toggling the Off menu crashed the console while being in the patch & fixture schedule. This bug is fixed. Toggling the Off menu does not crash the console anymore.
Changing a timecode event from Goto to Go or vice versa opened the cue destination pop-up if a fixed destination was already set. This bug is fixed. Cue destination pop-up does not appear anymore for referenced events when changing the trigger from Goto to Go or vice versa.
The dynamic preset pool did not always refresh the thumbnails when switching to a different preset type.
Opening the Add window dialog on screen 1 via tapping with more than 1 finger on the multitouch screen, opened the dialog several times. This bug is fixed. Tapping with more than 1 finger on the empty screen area in display 1 opens the Add window dialog now only once.
Loading a show file from an old grandMA2 version with outdated attribute definitions could crash the console. This bug is fixed. Outdated attribute definitions are now converted correctly when loading an old show file.
Having the PSR Initialize menu open while receiving a show download could crash the console. This bug is fixed. Receiving a show download does not crash the console anymore while being in the PSR Initilize menu.
Color wheels did not show a thumbnail preview of the color in the calculator and the fixture sheet. This bug is fixed. Channel Sets in the calculator and also the fixture sheet show a thumbnail preview of the color.

Mode2 on grandMA3

Description
Scrolling in the Goto pop-up or Load pop-up set the focus back to the current cue. This bug is fixed. Scrolling with the screen encoder in the Goto pop-up or Load pop-up does not reset the focus back to the current cue.

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Appendix



Downdating the MA Network Switch from v3.3 or higher to older version will reset the configuration to factory defaults. It is possible to backup the configuration before the downdating and restore it afterwards.



Using the Bitmap Fixture in sequences with several cues causes the bitmap fixture to restart the playback with every cue the bitmap fixture is programed in. If the bitmap fixture is to be used in a sequence with several cues, we suggest programing it in single cue sequences and call these sequences within the master sequence with cue links.



Import of all kinds of XML-files is only possible if the files were exported from the same or an older grandMA2 version.



If a World is edited while a user has entered this specific world, the changes are not applied to the user. The user has to change to a different world to see the changes of the world.



When a different user deletes the current page the user has selected will result in having no page selected by the current user.



RDM: Connecting 2 outputs of a grandMA2 System with one cable can cause trouble in RDM.



Downdating to grandMA2 release v3.0.0.5 and previous versions requires a factory reset (Format and Install). Please backup your show files before downdating.



Inserting the command "store /remove" or pressing [store][cue][2] and select [remove] in the pop-up will remove the whole attribute with all (!!) its layers of fixtures having any value or effect layer of this attribute active in programmer. It can be filtered to only remove values, value timings or effects by using the buttons in the stored encoder bar. To remove only specific layers, for example only individual effect fade, the operator needs to open the calculator for these layers and select "remove" in the calculator. Afterwards, the operator needs to update the cue, or has to use store /merge to remove the specific layers.



If multiple fixtures are selected with a lasso in the layout view, the snap grid settings are applied to interpolate small position differences of fixture icons. The order of selection is always made inside of one snap grid cell first. Afterwards following the succession, line by line in the direction of the lasso movement.

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The network switch IGMP Snooping functionality has to be switched off in order to be able to update MA 2Port Nodes.



A grandMA1 compatibility mode is no part of grandMA2 console software 3.0 and subsequent versions. If grandMA1 compatibility mode is needed, grandMA2 consoles and MA NPUs have to be downdated to grandMA2 v2.9.1.1



The MA-Net2 protocol has changed to support the 8Port Node devices. All MA devices need a new network streaming protocol in the 2.9 software. Once updated to the correlating version to grandMA2 v2.9, 2Port, 4Port, 8Port, NSP 4Port Node and the NDP will no longer work in a session with an older network streaming protocol (e.g., grandMA2 v2.8). Downdating MA 2Port Nodes or NSP running in 4Port Node Mode to be v2.8 compatible is only possible via grandMA1 v 6.801. All other devices can be downdated via USB or windows installer only.



Exec Time can be used for Executor buttons and Executor Faders. The new Executor option "Ignore Exec Time" has been added. If this option is enabled, the referring executor uses its own off time instead of the Exec Time Fader Timing. Show files stored in grandMA2 v2.9.1 and previous versions are converted. This option is then enabled in all fader executors. Executor option defaults are valid for fader and button executors. If storing new fader executors, these executors listen to Exec Time by default.



Fixture type preset reference contains values only. It is not possible to add any fade, delay or effect data to fixture type preset references.



ASCII show import supports Strand, Transtechnik and ADB ASCII show files.



A CITP connection is not possible when running CITP sender and CITP receiver at the same computer.



The Pixel Mapper of an MA VPU works best if the resolution X of the output can be divided by 8.



Lua 5.3 is implemented in grandMA2 v3.1 or subsequent versions. LuaSocket is approved for Lua 5.1 only.Therefore, not all functions of LuaSocket are supported within Lua 5.3.

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Following syntax can be used to switch off faders only or buttons only of current page or of all pages except the current page:

- **Off Executor 1 thru 100** - This switches off all faders of current page.
- **Off Executor 101 thru 240** - This switches off all buttons of current page.
- **Off Executor 1 thru 100 Page Thru - $faderpage** - This switches off all faders of all pages except the current page.
- **Off Executor 101 thru 240 Page Thru - $buttonpage** - This switches off all buttons of all pages except current the current page.

Addressing executors via command line has been improved to provide support for addressing by name or number. This can be used when sending playback commands to specific executors or when storing to a specific executor, sequence or cue for example. All existing cue links and macros of show files stored with former grandMA2 versions will be converted as far as possible. Please check cue links and macros of existing shows when loading them the first time with this version. Some cue links and macros may have to be adjusted. When creating new macros or cue links or editing existing ones, the new syntax as described below has to be used.

- Go Exec "exec name" - starts executor with specified name on current page.
- Go Exec "exec number" - starts executor with specified number on current page.
- Go Exec "*"."exec name" - starts executor with specified name on all pages.
- Go Exec "*"."exec number" - starts executor with specified number on all pages.
- Go Exec "page name"."exec name" - starts executor with specified name on specified page.
- Go Exec "page name"."exec number" - starts executor with specified number on specified page.
- Go Exec "page number"."exec name" - starts executor with specified name on specified page.
- Go Exec "page number"."exec number" - starts executor with specified number on specified page.

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Known Limitations

- Pan/Tilt offsets should not be set to higher values than the fixture type provides due to its physical limitations. Setting values out of the physical range can affect the correct visualization in the stage view of the grandMA2 and MA 3D.
- Active dimmer values given from the desk do not cause the MA VPU to send its merge defaults for the color attribute. This may cause an unexpected output if only the dimmer of a fixture is controlled by the desk. To avoid this and to gain full control, just set the color attribute actively in the programmer. Or store the color information to an executor which is set to a higher priority than the pixel mapper output. Do not forget to switch off this executor if the output of the pixel mapper is to be active again.
- At the initial start after the installation or the update of the MA VPU application, the end user license agreement is shown. The MA VPU application will not start, until the end user license agreement is confirmed. If you are using a VPU Plus, the end user license agreement is shown at the internal touch display. If you are using a MA VPU basic or MA VPU light, the end user license agreement is shown at the first external DVI-output - so please make sure you have a display and a mouse attached to the MA VPU basic or MA VPU light.
- Ma-Net1 is not supported for MA 2Ports Version 1.77 or higher.
- MA onPC command wing DMX input is supported for the ports "DMX In" and "DMX out A" only. The port "DMX out B" can only be used as DMX out!
- Before loading show files stored with grandMA2 **v2.7.x** the first time with grandMA2 v2.9.x, attribute Colormix4 and 5 and Colordim4 and 5 of self-made fixture types have to be manually adjusted to fulfill the color specification. Amber has to be Colormix 4 invert or Colordim 4 without invert, and White has to be Colormix 5 invert or Colordim 5 without invert. Otherwise, color information of these fixture types will be lost after loading show file with v2.9.
- The feature name for ColorDim/ColorMix has changed into MixColor. Macros using one of these feature names have to be adjusted.
- Known limitation when loading show files stored with **v2.8.x** for the first time in v2.9
  - Special Masters have a new data structure in grandMA2 software.
    - All Special Master custom labels will be reset to MA default labels
    - Assignment of 100mm faders will be reset to default.
    - Macros referring to special masters have to be adjusted and have to use the new naming and numbering of special masters.
  - Macros referring to relative values have to be adjusted according to new relative/absolute syntax.
  - User profiles exported to USB drives using v2.8 and previous versions have to be manually moved from folder importexport to user_profile folder in order to import these profiles using grandMA2 v2.9 and subsequent versions.
- MA 4Port Nodes and MA 8Port Nodes have to be updated to v1.0.9 or subsequent versions to be compatible with grandMA2 v2.9. MA 2Port Nodes have to be updated to 1.77 or subsequent versions in order to be compatible to grandMA2 v2.9.
- Channel set labels of fixture types have to be unique to be visible and accessible in calculator. E.g., if channel sets of Attribute Shutter are closed, open, open, open, only one open is visible in the calculator. Changing channel set labels to closed, open, open(2), open(3), results in all channel sets being visible in the calculator.
- Astronomical clock always calculates time according to standard time zone. Additional summer times are not recognized and cannot be adjusted manually when using sunset, dusk, dawn, and sunrise in the agenda.
- Bitmap fixtures can be applied to physical parameters only. Virtual parameters such as a virtual dimmer or XYZ attributes are not supported.

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