

Software Release Note

LSC Electronics Pty Ltd
Research and Development

Project Title: Mantra Mini

Software Released by: Richie Mickan

Created: 2 August 2021

Last Modified: 21 February 2022

This document is a cumulative list of bug fixes and feature enhancements for the Mantra Lite product family.

Reporting Bugs

If you find a bug or feel that we could improve the product then please let us know. If you find a bug that affects operation or crashes the unit, then could you let us know ASAP!!

You can report it by email to techSupport@lsclighting.com.au or phone +61 3 9702 8000

Obtaining Updates

If you wish to be updated about **Mantra Mini** software updates as they are released, then you can sign up for SoftwareReleases on our website or follow us on Facebook, LinkedIn or Twitter.

Installation procedure

To install a software update, perform the following steps:

1. On a USB Stick, create a folder and name it LSC
2. Copy the software release file (file named **mantra_mini_vN.nn.img** where 'N.nn' is the software version number) into the LSC on the USB stick.
3. Insert the USB Stick into the front panel of the Mantra Mini device.
4. The front panel LEDs will all flash.
5. Press the 'user' button within 5 seconds.
6. The process takes approximately 90 seconds. Once complete, the unit will restart.
7. If the button is not pressed within 5 seconds, simply remove the USB stick, wait 10 seconds and re-insert.
8. There is a fail-safe mechanism. If the 'user' button is held down whilst the unit is powered up, the Mantra-Mini will enter boot mode.

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Release: v3.03 Date: 18-February-2022

Reason for the Release: New features and bug fixes

New Features:

1. **Fixture library version numbering.**
The fixture library now contains a version number that is displayed in the About screen. This is to aid users to check if their device has the latest library installed.
The new library format is also provided with enhanced encryption to prevent tampering.
2. **Colour Picker now controls White in the vertical axis.**
The colour picker now controls the White colour parameter as well as RGB colours. Moving the pointer towards the white section at the bottom of the screen adds white proportionally in addition to the RGB colours.
3. **Firmware upgrade enhancements**
If the power to the Mantra Mini was disconnected during the firmware update, it was possible to corrupt the internal SDcard. The upgrade process has been ruggedised to ensure that this is no longer possible.

Bug Fixes:

1. If any memory was set to Chase mode it was impossible to edit the intensities of any other live memories on the console.
2. Compound (multi-cell) fixtures did not work correctly when first patched. They only worked after the show had been saved and reloaded.
3. If a default show was saved with a PIN, that PINcode remained even after the default show was deleted. The PINcode is now deleted at the same time as the showfile.
4. It was not possible to delete a folder inside a folder, even if the folder was empty.
5. Selecting a large number of fixtures, each with more than 4 colours could cause the colour sliders screen to operate very slowly and/or show tiny slider controls.
6. Manufactures and fixtures in the Patch menu were sorted for Capital letters first (A-Z) then lower case (a-z). They are now in pure alphabetical order, regardless of whether there is a capital letter or not.
7. The fixture editor had all the parameter names in all uppercase, they are now lowercase with only the first letter capitalised.

Known Issues:

1. Cyan, Magenta and Yellow show incorrect (255) home values in the Patch window. This is only a display issue in the Patch window, the correct home values (0) are used when the Clear/ClearAll buttons are operated.

Components:

- Mantra Application v3.03 r12823
- Surface Firmware v1.01

Software Release Note

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Release: v3.00 Date: 1 August 2021
Reason for the Release: Initial Software Release

Components:

- Mantra Application v3.00 r12367
- Surface Firmware v1.01

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