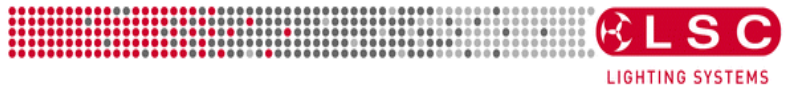


# Software Release Note

RD-002-05



**LSC Electronics Pty. Ltd.**  
Research and Development

## Project Title: LDT Dimmer

Software Released by: Dejan Deletić  
Created: 22 July 2014  
Last Modified: 15 December 2015

This document is a cumulative list of bug fixes and feature enhancements for LDT Dimmer family of products.

Please see Appendix A at the end of this document for details on how to upgrade the software.

### Reporting Bugs

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

email [techSupport@lsclighting.com.au](mailto:techSupport@lsclighting.com.au)  
phone +61 3 9702 8000  
fax +61 3 9702 8466

### Obtaining Updates

If you wish to be emailed about **LDT** software updates as they are released then send an email to the above address and you will be added to the mailing list.

## Release: v2.03

**Date: 15-Dec-2015**

Description: Bug fixes and feature updates

### Feature Updates:

- Added new WallPlate button function: On.

### Bug Fixes:

- Lights flicker every 71.5 minutes – bug fixed.
- DMX Scene now fades out after DMX is lost and Hold Time expired.
- Channels with Minimum Level applied are now drawn correctly on the bargraph after reset.
- Maximum Zero Cross limits updated to the value allowed in the UI.

### Known Bugs:

- Dimming is not reliable in presence of mains tone.

## Release: v2.02

**Date: 23-Apr-2015**

Description: Bug fixes and feature updates

### Feature Updates:

- Added support for inverted 12 channel dimmer variant.
- Added 'Custom Curve' feature.
- Damping levels labelling changed from 1, 2, 3 to l, m, h (low, medium, high).

### Bug Fixes:

- Adapted to work on both 50Hz and 60Hz but not between.
- RDM packet end detection improved.

### Known Bugs:

- None.

## Release: v2.01

**Date: 21-Nov-2014**

Description: Bug fixes and feature updates

### Feature Updates:

- Configuration Export/Import to/from SD Card added.
- Individual dimming channels are now presented as RDM sub-devices.
- Added Zero Cross monitoring and adjustment to the Service page.

Bug Fixes:

- Output channels configured as 'DMX Only' now hold last DMX level indefinitely after DMX loss.
- Corrected RDM Model ID.
- Help text on 'Edit Curve' page updated.
- Default curve set to 'S'.
- 8/16-bit dimming changes now stored into EEPROM.

Known Bugs:

- None.

**Release: v2.00**

**Date: 22-Jul-2014**

Reason for the Release:

First public release

Feature Updates:

- None.

Bug Fixes:

- None.

Known Bugs:

- None.

**- END -**

## Appendix A: Installation procedure

To install a software update, perform the following steps:

1. Copy the software release (file named RBW\_vNNN.bin where 'NNN' is the software version number) into the root (top level) directory of an SD Card.
2. Insert the SD Card into the unit.
3. Tap the touchscreen to activate the menu system. Go to '**Config :: System :: Code Upgrade**'.
4. The unit will reset (note that all outputs will be turned off) and the upgrade will start automatically.
5. Once complete, the unit will start automatically.

**Important Note:** Using LDT Dimmers firmware in Redback Wall dimmers is possible but may produce undesirable dimming in case of mains noise or communications messages superimposed onto the mains voltage (also known as mains tone). Using Redback Wall dimmers firmware in LDT dimmers is also possible but is unlikely to produce any output. In the future, these two versions of firmware may be combined into a single release.

LDT dimmers use the same bootloader as RedBack Wall dimmers.

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