

**Project Title: Unity Dimming Module / Unity Switching Module / Unity LED Module**  
**UDM, USM, ULM**

Project Created by: Gary Pritchard  
Created: 18 April 2017  
Last Modified: 28 July 2020

This document is a cumulative list of bug fixes and feature enhancements for the Unity Dimmer and Switch product family. The same code base is used in all three products and required variations to operation are determined at run time.

### 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!!

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

### Obtaining Updates

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

### Installation procedure

To install a software update, perform the following steps:

1. Copy the software release file (file named **UnityXM\_vnn.upd** where 'nn' is the software version number) onto a USB stick in a folder labelled LSC.
2. Insert the USB stick into the UCM.
3. Navigate to the *Update Firmware* menu and push the buttons to select the modules to update and follow the instructions.
4. Once complete, the selected modules will restart.

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### Release: v1.09     Date: 28 July 2020

Software Released by: Gary Pritchard

#### Reason for the Release:

- Bug Fixes.

#### Bug Fixes

- Output of the unit could flicker with the presence of RDM data on DMX1.
- Multiple 6-channel units in a rack did not get the correct DMX address information.

#### Known Existing Problems:

- None.

#### Components:

- UnityXM\_v109.upd

# Software Release Notes



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

## Release: v1.08      Date: 24 March 2020

Software Released by:      Gary Pritchard

### **Reason for the Release:**

- Addition of 6-channel unit to family.
- Addition of more Houston X functionality.

### **Known Existing Problems:**

- None.

### **Components:**

- UnityXM\_v108.upd

## Release: v1.07      Date: 2018

Software Released by:      Gary Pritchard

### **Reason for the Release:**

- Bug Fix.

### **Bug Fixes:**

- The PTFD pulses produced by DMA would cease working turning the dimmer into a soft-fired output. This has not appeared to create any issues when using incandescent loads as the power devices still fire correctly. However severe issues can occur with non-linear loads such as LED loads in an ULM where random misfiring seen as flicker can occur.

### **Known Existing Problems:**

- None.

### **Components:**

- UnityXM\_v107.upd

## Release: v1.06      Date: 2018

Software Released by:      Gary Pritchard

### **Reason for the Release:**

Bug Fix.

### **Bug Fixes:**

- Channels under certain (and rare) circumstances could occasionally flash if a channel on the same phase was at full.
- RDM has been disabled in the modules as it should be supplied by the UCM.

### **Known Problems:**

- None.

### **Components:**

- UnityXM\_v106.upd

# Software Release Notes



LSC Electronics Pty. Ltd.  
Research and Development

## Release: v1.05    Date: 28-Jun-2018

Software Released by:    Gary Pritchard

### Reason for the Release:

Bug Fix.

### Bug Fixes:

- Comms LED would erroneously flash to yellow when using DMX2, sACN or ArtNet inputs. Comms timeout on module was increased to 1.5sec.
- Many fixes to RDM messages.

### Known Problems:

- None.

### Components:

- UnityXM\_v105.upd

## Release: v1.04    Date: 15-Dec-2017

Software Released by:    Gary Pritchard

### Reason for the Release:

Added function.

### New Features:

- Diagnostic functionality increased.

### Bug Fixes:

- Module would reset when changing conditions on the modules (E2PROM being updated).

### Known Problems:

- None.

### Components:

- UnityXM\_v104.upd - Update File for general use
- UnityXM\_v104.prd - File only for production use

## Release: v1.03    Date: 10-Nov-2017

Software Released by:    Gary Pritchard

### Reason for the Release:

Added functions.

### New Features:

- AutoPower function added.
- TruPower function added.
- Bug Fixes:

### Known Problems:

- None.

### Components:

- UnityXM\_v103.upd - Update File for general use

# Software Release Notes



LSC Electronics Pty. Ltd.  
Research and Development

## Release: v1.02    Date: 9-Sep-2017

Software Released by:    Gary Pritchard

### Reason for the Release:

Added function.

### New Features:

- Fans are now controlled depending on channel utilisation. This caters for situations like one channel is on full. This would not normally cause the overall temperature to increase thus the fan speed would also not increase. With this change, the fan speed is also dependent on channel utilisation so one channel on at full will cause the fan speed to increase.

### Bug Fixes and Known Problems:

- None.

### Components:

- UnityXM\_v102.upd

## Release: v1.01    Date: 7-Sep-2017

Software Released by:    Gary Pritchard

### Reason for the Release:

First Official Release.

### New Features:

- UDM code added.
- Test routines updated

### Bug Fixes:

### Known Problems:

- None.

### Components:

- UnityXM\_v101.upd

## Release: v1.00    Date: 18-Aug-2017

Software Released by:    Gary Pritchard

### Reason for the Release:

PT release for initial installation.

### New Features:

### Bug Fixes:

### Known Problems:

- None.

### Components:

- UnityXM\_v100.upd

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