

## Project Title: TRS Head Unit

Project Created by: Gary Pritchard  
Created: 5 February 2021  
Last Modified: 19 September 2023

This document is a cumulative list of bug fixes and feature enhancements for the TRS 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!!

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

### Obtaining Updates

If you wish to be emailed about **LSC** 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

**This task requires a full size SDcard of 16GB (or less) in capacity, formatted as FAT32.**

To install a software update, perform the following steps:

- 1) Download the TRS\_v.nnn.upd file (where n.nn is the software version number) from the LSC website and save it into the root directory of the SD Card.
- 2) Insert the SD Card into the unit.
- 3) Tap '**Config**' :: '**System** :: **Code Upgrade**'.
- 4) Once complete, the unit will restart automatically.
- 5) Check for satisfactory operation.
- 6) Remove the SDcard.
- 7) N.B. The .UPD upgrade file on the SDcard is renamed to a .IMG file after a successful upgrade. This is to prevent repeated upgrades if the SDcard is left in the unit. To reuse the SDcard in another TRS unit, change the file extension back to .UPD. Alternatively, LOCK the SDcard to prevent the name being changed.

## **Release: v2.02    Date: 18-Sept-2023**

Software Released by:        Gary Pritchard

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

New Features

### **New Features:**

- sACN HTP merge
- Art-Net HTP merge

### **Bug Fixes:**

- sACN did not recognise priorities, nor deal with multiple sources correctly.
- If there were multiple sources sending the same Art-Net universe, the decoder would process both. It now ignores any additional sources.
- The unit could stop responding if the ethernet switch it is connected to reboots whilst passing data.
- The TRS rack fans are driven by the Head unit and the speed varies depending on the total current draw. If the head unit stopped receiving current measurements, it would turn off the fans. The system now has redundant checks to ensure that the fans do not stop if the data fails.

### **Known Problems:**

- None.

### **Components:**

- TRS\_v2.02.upd - application

**Release: v2.01      Date: 28-Apr-2022**

Software Released by:      Gary Pritchard

**Reason for the Release:**

Bug Fixes

**Bug Fixes:**

- The voltage and current display on the home screen could stop responding if the unit received an overvoltage event.
- The unit could stop responding if the display voltages all showed zero from the aforementioned issue.

**Known Problems:**

- None.

**Components:**

- TRS\_v2.01.upd - application

**Release: v2.00      Date: 31-Mar-2022**

Software Released by:      Gary Pritchard

**Reason for the Release:**

Initial Release

**New Features:**

- The TRS v2 CPU card and associated interface PCB replace the original components in the first series of TRS head units. The new card has onboard ethernet, providing direct decoding of Art-Net and sACN.

**Known Problems:**

- None.

**Components:**

- TRS\_v2.00.upd - application

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