

Creamsource Webserver – Quick Introduction

The major new feature in the next CreamOS release is a built-in webserver. This allows you to access the fixture, change settings and control the light from a web browser.

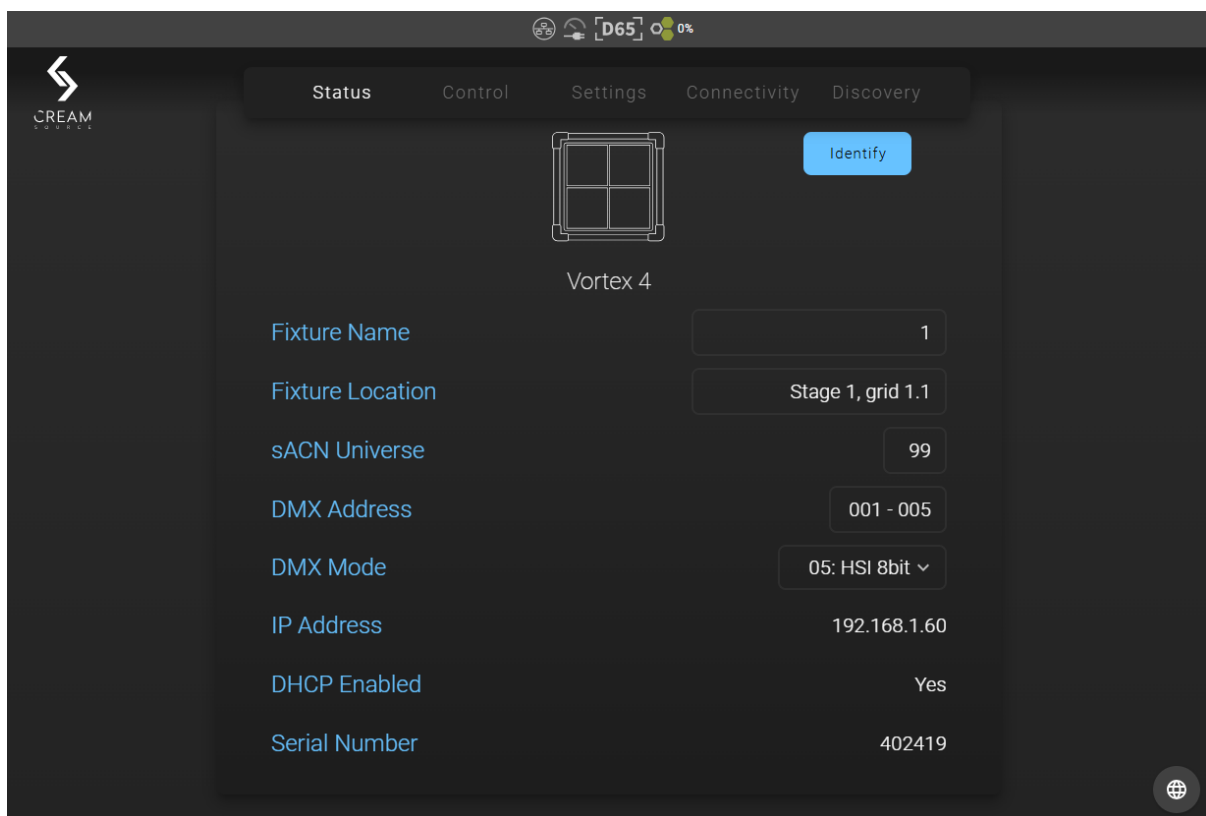
This is especially useful for configuration, as you can change all settings remotely and monitor if the unit is receiving wireless or wired control.

You can also update the Firmware over the webpage.

This feature is supported if the fixture is connected to a LAN network via the Ethernet connector.

To try it:

- Update a Vortex via the USB drive to the latest version (once updated the first time, you can do further updates directly from the webpage)
- Connect Vortex via ethernet cable to your network
- On a computer or tablet which is also connected to the same network, type in the IP address (shown on the Vortex screen) into a web-browser (Edge, Safari, Chrome, etc)
- Website below should be shown:



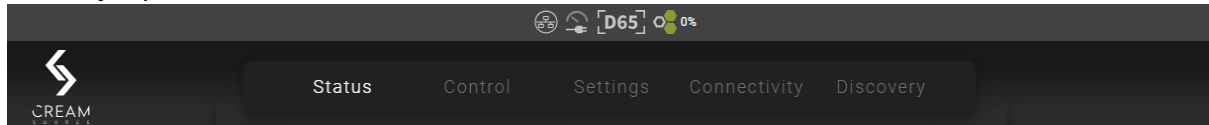
How to navigate and use the pages

There are three main elements to the website:

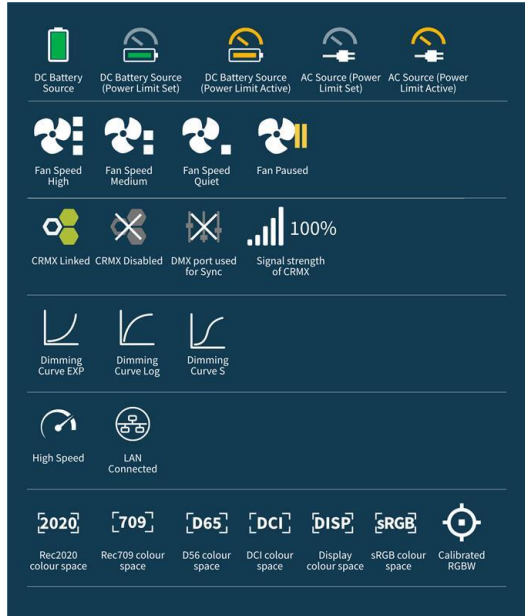
- Notification Bar
- Navigation Tabs
- Settings Cards

Notification Bar

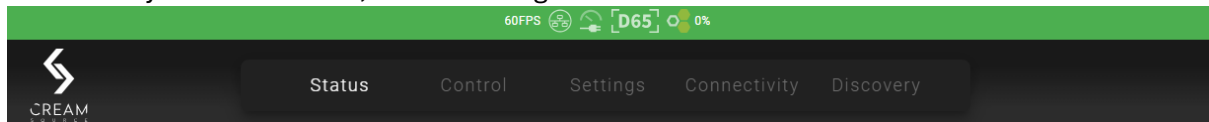
The very top line – shows the same notification icons as on the status bar on the Vortex itself:



These are the possible icons:



If camera sync is connected, this will turn green and show the framerate:



Navigation Tabs

Click to jump to the different pages available:

- **Status** – Show overall fixture status, change common settings, update firmware
- **Control** – manually control light including effects. If DMX present, will show the current colours or pixel-map mode
- **Settings** – Main fixture settings: High Speed, Fan Mode, Dimming Curve, Import / Export Settings and more
- **Connectivity** - DMX settings, CRMX settings, Network settings
- **Discovery** - Allow you to discover other Vortex fixtures on the network, and do bulk configuration or firmware updates

Settings Cards

Each page is divided into 'cards' which group settings or control elements together. See next few pages for details on these.

Status page

Fixture Card

Set device name, location & identify the fixture (it will flash cyan).

Quick control over most frequently used settings and shows current IP address.

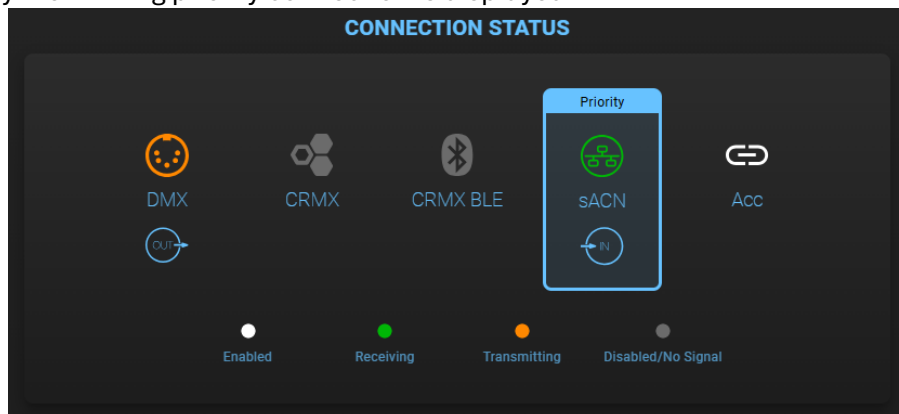
The screenshot shows a dark-themed interface titled "FIXTURE". At the top, there is a square icon representing a fixture and a blue "Identify" button. Below the icon, the text "Vortex 4" is displayed. The main area contains a list of settings, each with a label on the left and a value or control on the right:

Setting	Value
Fixture Name	1
Fixture Location	Stage 1, grid 1.1
sACN Universe	99
DMX Address	001 - 005
DMX Mode	05: HSI 8bit ▾
IP Address	192.168.1.60
DHCP Enabled	Yes
Serial Number	402419

Connection Status Card

Shows state of incoming/outgoing connections. In example below, sACN is being received, and we are transmitting (forwarding) this by DMX. CRMX & BLE are disabled.

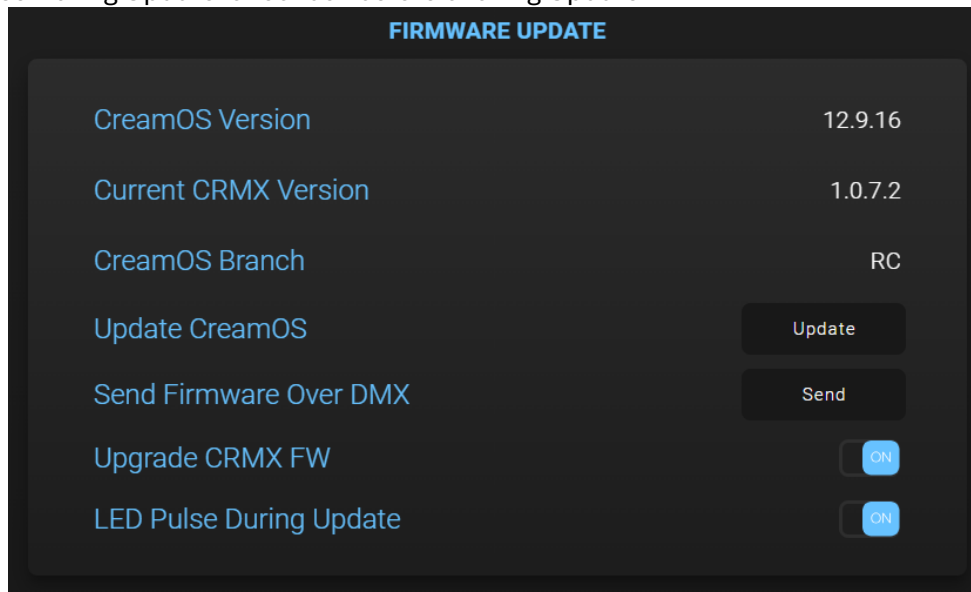
NOTE – Only the winning priority connection is displayed.



Firmware Update Card

Shows current FW version and update it here. To update, click Update and choose file. By default, if a new CRMX version is packaged with the FW, it will also install this. You can prevent this by unselecting 'Upgrade CRMX FW'.

While doing firmware update the fixture LED output will pulse cyan, then turn deep blue when the firmware has been received. The fixture will now restart and perform the update. If it was successful it will turn green, otherwise red if it failed. To disable this feedback, unselect the 'LED Pulse During Update' checkbox before clicking Update



The screenshot shows a dark-themed interface titled "FIRMWARE UPDATE". It contains a table of system information and several control buttons. The table lists CreamOS Version (12.9.16), Current CRMX Version (1.0.7.2), and CreamOS Branch (RC). Below the table are buttons for "Update", "Send", and two toggle switches for "Upgrade CRMX FW" and "LED Pulse During Update", both of which are currently turned ON.

Item	Value
CreamOS Version	12.9.16
Current CRMX Version	1.0.7.2
CreamOS Branch	RC

Update CreamOS [Update]

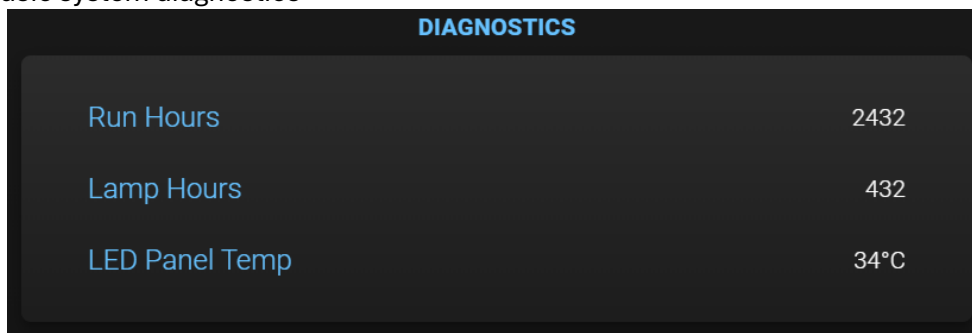
Send Firmware Over DMX [Send]

Upgrade CRMX FW

LED Pulse During Update

Diagnostics Card

Shows basic system diagnostics



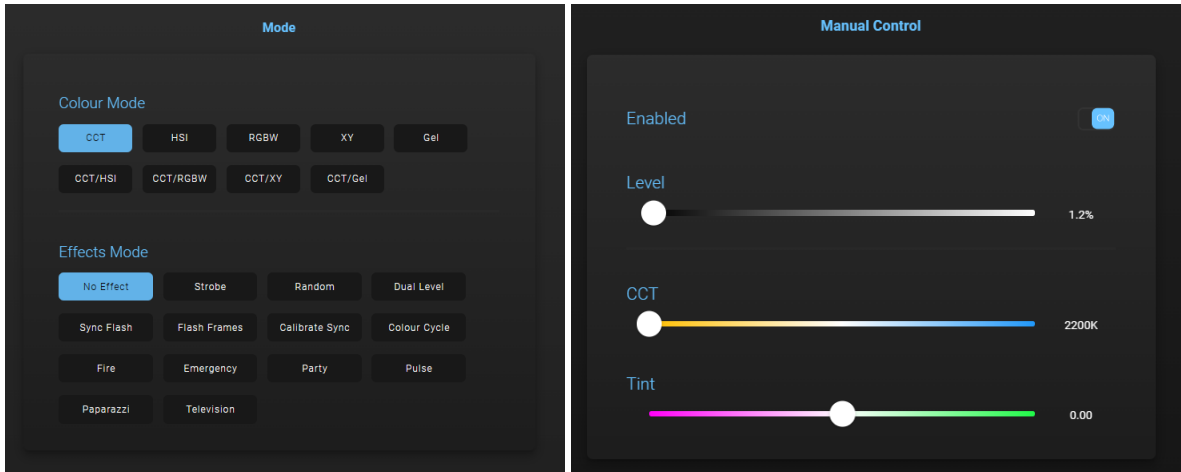
The screenshot shows a dark-themed interface titled "DIAGNOSTICS". It contains a table with three rows of system metrics: Run Hours (2432), Lamp Hours (432), and LED Panel Temp (34°C).

Metric	Value
Run Hours	2432
Lamp Hours	432
LED Panel Temp	34°C

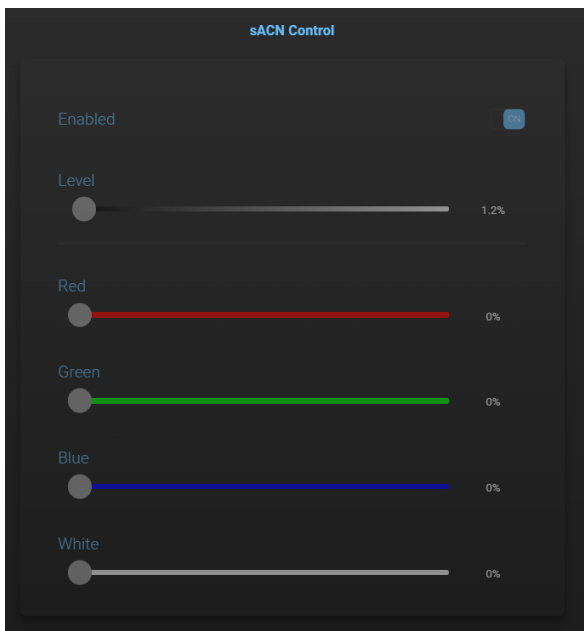
Control Page

The control page either gives you manual control over the fixture, or if DMX/sACN is present then it will show the current state.

If no DMX present – you can choose colour & effects modes, and control parameters:



If DMX present, it will show the colour values:



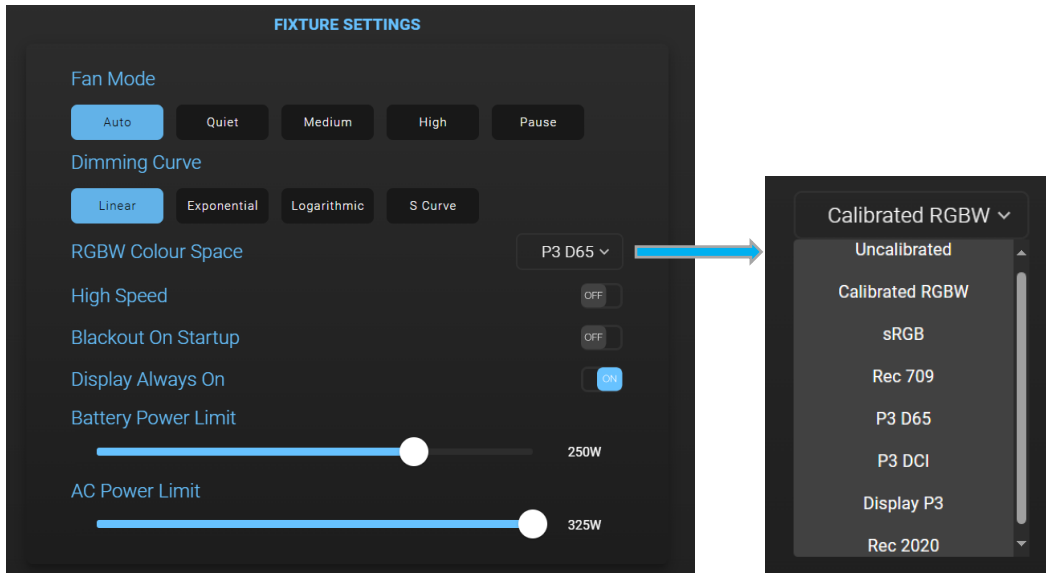
or DMX pixel map:



Settings Page

Fixture Settings Card

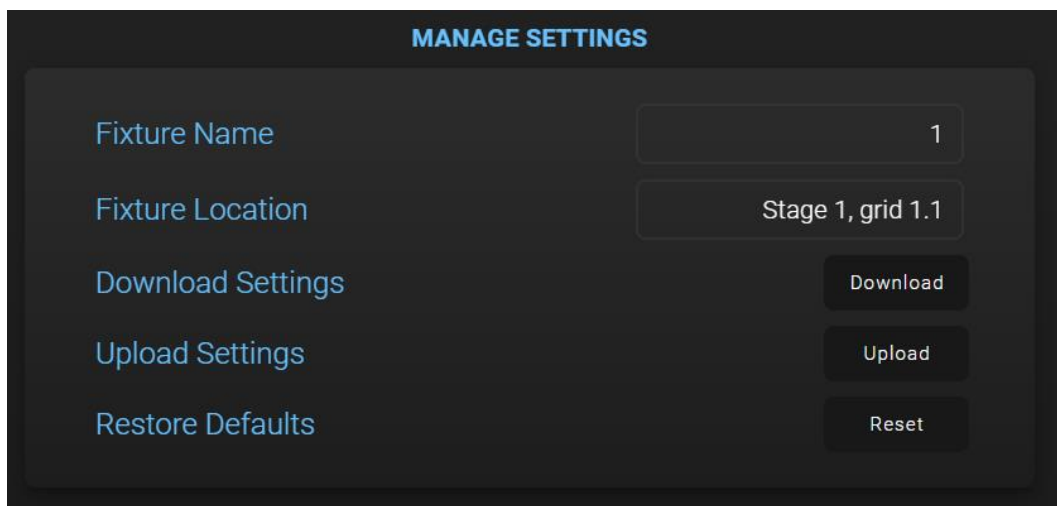
Access to the same settings as under the 'Fixture Settings' menu on the fixture. Note in this firmware we now also support different colour space options.



Manage Settings Card

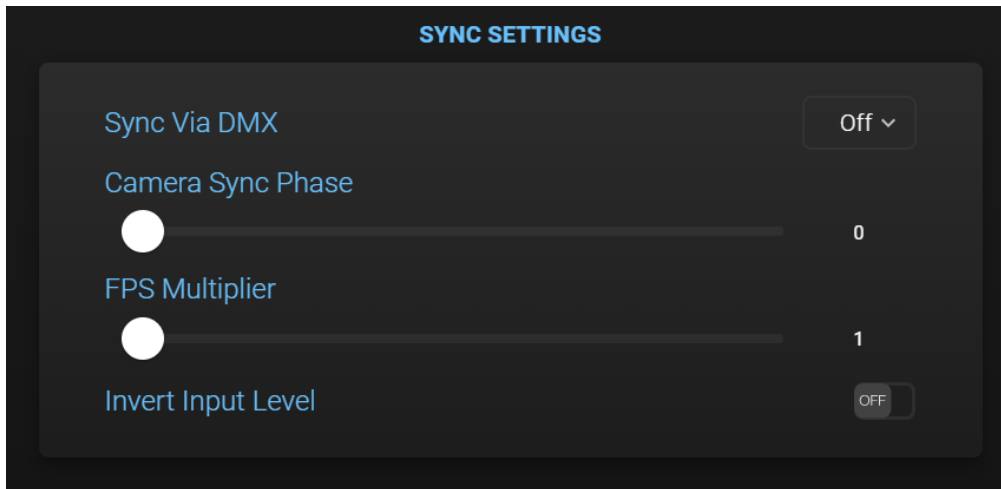
Set fixture name, location and download or upload configuration file.

Note – Restoring defaults may change the IP address, so you may lose access to the page. Use with caution from the browser!



Sync Settings Card

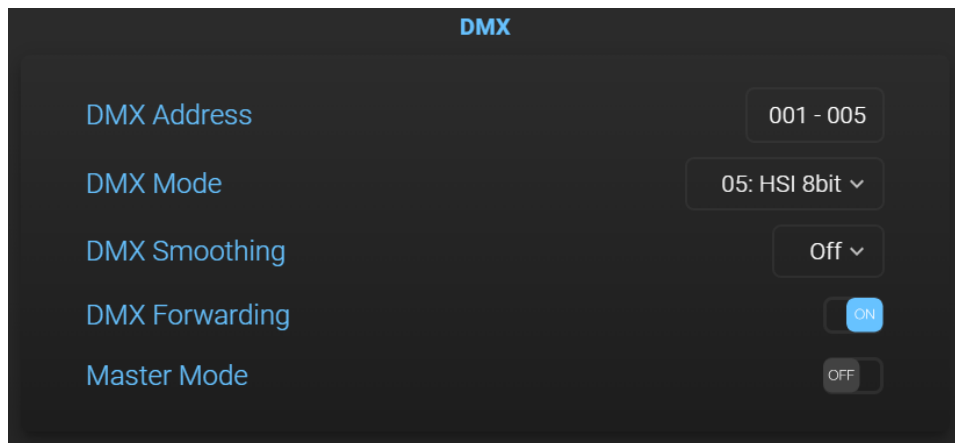
Access to the FrameSync settings.



Connectivity Page

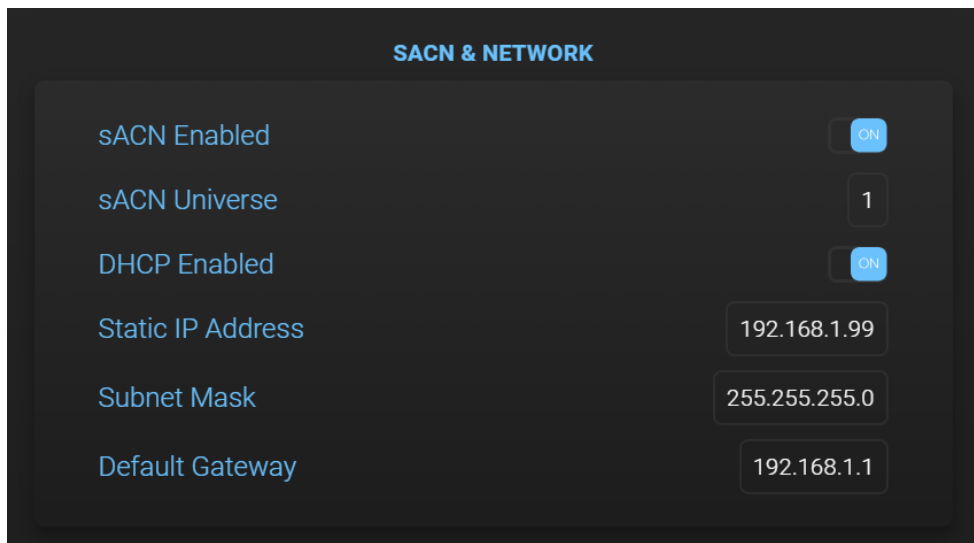
DMX Card

All the settings related to DMX



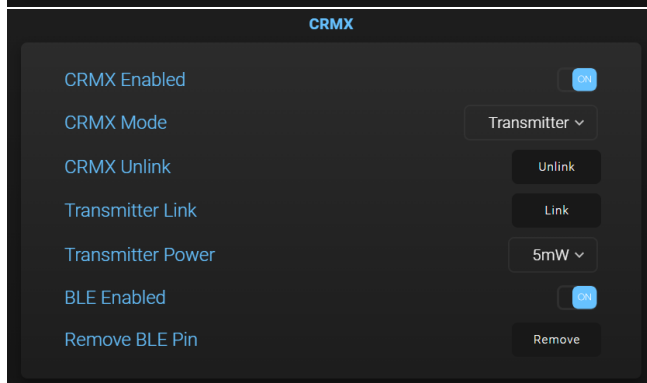
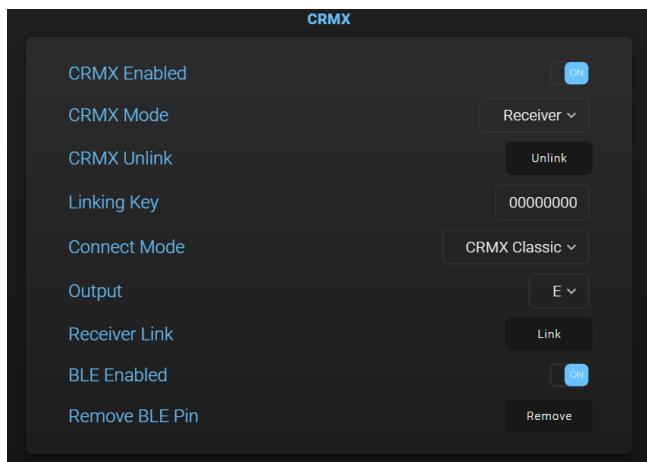
sACN & Network Card

As per the fixture menu. If you change the DHCP mode or IP address, note you might need to browse to the new IP address after doing this!



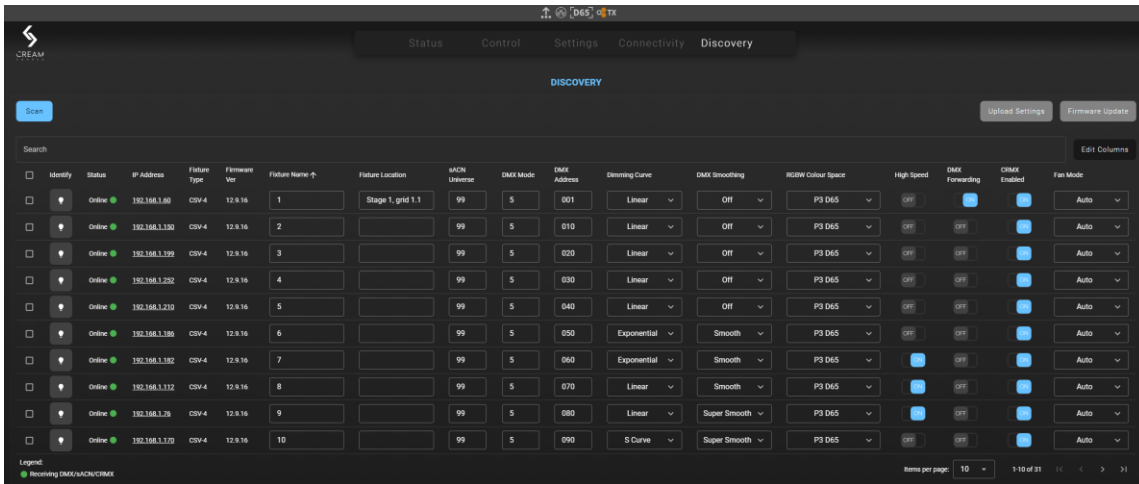
CRMX Card

Same as per the fixture menu. Options update depending on if Receiver or Transmitter mode is selected.



Discovery Page

The discover page allows for bulk configuration of multiple fixtures, or bulk firmware update.



Scanning for Fixtures

1. Click the **Scan** button to search for available fixtures on the network.
2. The table will populate with the discovered fixtures and their details.
3. Note - fixtures can only be discovered if they are on the same network as your computer.

Searching for Fixtures

1. Enter a keyword in the **Search** bar to filter the fixture list. All columns will be searched.

Configuring Fixtures

1. **Identify a Fixture:** Click the lightbulb icon in the **Identify** column to trigger a signal on the fixture.
2. **Change Fixture Settings:**
 - Click on any cell in the table to edit the corresponding setting. Press ENTER to save the setting to the fixture.
 - Use the dropdown menus to select options for fields like Dimming Curve, DMX Smoothing, and RGBW Colour Space.
 - Toggle switches for High Speed, DMX Forwarding, and CRMX Enabled.

Bulk Uploading Settings

1. Select the desired fixtures to send the configuration, using the checkboxes.
2. Click the **Upload Settings** button and select the configuration file to send.
3. Choose the desired settings to send, then click **Send**.

Updating Firmware

1. Select the fixtures you want to update, using the checkboxes.
2. Click the **Firmware Update** button to start the update process.

Customizing Columns

1. Click the **Edit Columns** button to open the column customization menu.
2. Select or deselect columns to show or hide them in the fixture table.