ETC Release Note

Desire Fresnel Fixture Software

Product Line: Desire Fresnel Fixture Software

Description: Version 1.1.2 System Software

Fixture Software Components

Desire Fresnel Fixture Software	1.1.2.64
Array	1.1.0.10 or 2.1.0.10
FPGA	iF00C or CPU PWM

Effective Date: 2022-05-20

Purpose

This release adds support for an alternate driver board and an alternate array processor. The software also features an adjustment to the dimming curve in 25 kHz mode that improves color stability at low dimming levels.

For any questions relating to the contents of this release or the behavior of this software, please contact ETC Technical Services at the office nearest you (visit etcconnect.com/contactETC).

Availability

This software is currently available in shipping units.

Documentation

Current documentation includes:

- *Desire Fresnel User Manual*
- *Desire Fresnel Quick Guide*

ETC manuals in portable document format (pdf) are available for download at etcconnect.com.

Compatibility

This release is compatible with the following ETC hardware:

- Desire Fresnel fixtures

Key Enhancements in v1.1.2

- Adding support for alternate driver board and alternate array processor
- Adjusting the dimming curve in 25 kHz mode to improve color stability at low dimming levels

Key Enhancements in v1.0.0

- Initial release of v1.0.0 fixture software

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Installation Instructions

All Desire Fresnel fixtures ship with the current version of software and do not require an update before use. To update existing fixtures, follow the instructions below.

Update Firmware

When fixtures are connected to data, you can update firmware directly using UpdaterAtor. For information on UpdaterAtor, see the *UpdaterAtor Software Quick Guide* and the *UpdaterAtor Software Release Note*, which you can download from etcconnect.com.

You can also update firmware using a USB drive. After you update a single fixture using a USB drive, you can update all fixtures that are connected via wired DMX from that fixture.

Update a Single Fixture Using a USB drive

1. Visit etcconnect.com or use UpdaterAtor to get the updated firmware file for the fixture, and then save the firmware file to a USB drive. For information on UpdaterAtor, see the *UpdaterAtor Software Quick Guide* and the *UpdaterAtor Software Release Note*, which you can download from etcconnect.com.
2. Insert the USB drive in the USB port on the rear of the fixture.
3. Press the **Menu** button (☰), and then use the Intensity encoder to navigate through the menu: **Local Settings** > **USB** > **Update Firmware**.
4. Use the Intensity encoder to navigate to the firmware update file, and then press the Intensity encoder to begin the firmware update. The firmware update includes several steps:
   a. Copying the files to the fixture: A progress meter displays as the files are copied to the fixture.
   b. Verifying the files: The ETC logo displays on the top half of the screen as the fixture verifies the files. You can safely remove the USB drive at this time.
   c. Updating the fixture: The fixture installs the updated firmware files.

Update All Connected Fixtures

1. After you update the firmware on a fixture, verify that the fixture is not receiving DMX/RDM before you proceed.
2. Press the **Menu** button (☰) on the fixture, and then use the Intensity encoder to navigate through the menu: **Local Settings** > **Push Firmware**.
3. When the screen prompts you to confirm, press the green encoder (for the **OK** icon ✓) to continue. The updated firmware is copied to all connected fixtures, and the screens on connected fixtures display a progress message ("Firmware RX *x*%").

Issues Corrected in v1.1.2

S4LED3SW-199 Dimming engine error causes some emitters to drop out infrequently, resulting in incorrect color.

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Known Issues Remaining in v1.1.2

DESIRE2-30	After you select **Push Settings** to push fixture settings to other fixtures, the display brightness settings (the **Backlight** and **Encoders** values) do not take effect immediately on the fixtures receiving the settings. **Workaround:** Power cycle the fixtures to force the new display brightness settings to take effect. You can also wait for the fixture displays to time out, and then the new settings will take effect when you "wake" the displays.
DESIRE2-31, S4LED3SW-149	If you change the intensity of a sequence, the first step in the sequence does not reflect the new intensity until the second time that the sequence plays.
DESIRE2-40	After you select **Local Settings** > **USB** > **Apply All Settings** to apply fixture settings that are saved on a USB drive, the **Encoders** brightness setting does not take effect. **Workaround:** Select **Local Settings** > **Encoders** to manually set the encoder brightness to the intended value.
DESIRE2-42	When you set the intensity of a preset in the **Edit Preset Color** screen, that intensity setting will not be reflected in the preset when accessed from the **Color** screen. **Workaround:** Manually set the intensity in the **Color** screen to match the value in the **Edit Preset Color** screen, and then save the preset intensity by pressing and holding the encoder that corresponds to the preset.
DESIRE2-45	When connected fixtures are all playing the same color in stand-alone Color mode, rapid adjustments in the **Color** screen on one fixture can cause the other connected fixtures to no longer play the same color as the changed fixture. **Workaround:** Wait a moment, and then make the adjustment in the **Color** screen again. The connected fixtures will receive the changes in color if you make them more slowly.
S4LED3SW-30	When configuring a sequence via RDM, you cannot change the length of the sequence, but must use all 12 steps.
S4LED3SW-56	**Push Firmware** command causes fixture UI to appear to lock up. **Workaround:** After you select **Push Firmware**, wait until the progress bar appears on the screen before taking any other actions. The fixture UI is not locked up, but it requires ~40 seconds to begin the **Push Firmware** action.
S4LED3SW-64	The fixture does not report over-temperature errors over RDM.
S4LED3SW-96	Changes you make in the **Edit Preset Color** screen are not reflected in the light output while the preset is playing. **Workaround:** Stop the preset before you edit it. Or, if you edit a preset while the preset is playing, press the green encoder to save the new values, and then the change will take effect when you return from the **Edit Preset Color** screen to the **Preset** screen.
S4LED3SW-113	Metamer control has no effect near the edge of the gamut.
S4LED3SW-114	With the fixture in **Expanded** mode, and the **Mix** channel set to 255 (Full RGB), the **CCT** channel should remain at 3200 K, but instead can be adjusted.
S4LED3SW-118	In the **Color** screen, it is possible to select a color in the **Hue/Saturation** color selection mode that will result in the crosshairs being outside of the chromaticity diagram in the **x,y** color selection mode. **Workaround:** Change back to **Hue/Saturation** color selection mode to make additional adjustments.
S4LED3SW-131	With the fixture in **Expanded** mode, the fixture applies red shift only to the Studio color point when it should apply it to the mixed Studio and RGB color points.
S4LED3SW-137	Firmware update fails when the fixture is playing a sequence. **Workaround:** Stop sequence playback before updating firmware.
S4LED3SW-146	Using **Push Effects** or **Push Presets** when the fixtures receiving the pushed settings display one of the stand-alone screens can result in unexpected outcomes. **Workaround:** Set fixtures to the **DMX** screen before using **Push Effects** or **Push Presets**, and then change fixtures back to the desired stand-alone mode after the settings have been pushed.

Known Issues Remaining in v1.1.2 (continued)

S4LED3SW-150 Making changes on the fixture user interface during a firmware update causes the firmware update to fail.

Workaround: After you begin a firmware update, do not interact with the fixture user interface until the firmware update is complete.

S4LED3SW-152 There is no indication displayed on the fixture user interface or via RDM to indicate that a color is out-of-gamut.

Workaround: To verify whether a color is out-of-gamut, press the **Menu** button, and then navigate to **Diagnostics** > **About Color**.

S4LED3SW-168 Selecting **Reset Configuration** in the Set Light app and then tapping the NFC tag on a fixture without power applied to it changes the fixture's RDM label to **No Fixture Type**.

Workaround: There are several options: You can apply power to the fixture before using the Set Light app to reset the fixture configuration; modify the RDM label in an RDM configuration tool after you reset the fixture configuration; or press the **Menu** button, and then navigate to **Local Settings** > **Restore Defaults**.

S4LED3SW-169 In certain circumstances, the Set Light app can fail to work with the NFC tag on the fixture.

Workaround: Change any fixture setting using the fixture user interface, and then attempt to use the Set Light app on the fixture NFC tag again.

S4LED3SW-172 Presets incorrectly use the incandescent dimming curve instead of the linear dimming curve.

S4LED3SW-173 When a fixture is in **Studio** mode and has a negative **Tint** value, and connected fixtures are also in **Studio** mode, any changes to the fixture cause the connected fixtures to flicker (to briefly display the wrong color). As soon as you complete the change on the original fixture, the connected fixtures play the correct color.

S4LEDSW-240 After you restore the default settings using the Set Light app when the fixture is off, the DMX address remains at the previous value, even though the user interface and any RDM controller will show the DMX address as 1.

Workaround: Set the DMX address to 1 (using any method) after you power on the fixture.