ETC Release Note
fos/4 Fixture Software

Product Line:	fos/4 Fixture Software
Description:	Version 1.3.0 System Software

Fixture Software Components

fos/4 Fixture Software	1.3.0.18
Array	1.0.0.6 or 3.0.0.3
DIM	F00C or CPU PWM

Effective Date: 2023-12-14

Purpose

This release adds support for the large fos/4 Fresnel fixtures (FD10 and FL10) and small fos/4 Fresnel fixtures (FD5 and FL5). This release also provides several feature updates, including a new HSIC DMX mode and a new Quick dimming curve.

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:

- *fos/4 Fresnel User Manual*
- *fos/4 Fresnel Quick Guide*
- *fos/4 Panel User Manual*
- *fos/4 Panel Quick Guide*
- *fos/4 Quick Card*

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

Compatibility

This release is compatible with the following ETC hardware:

- fos/4 fixtures

Key Enhancements in v1.3.0

- Adding support for large fos/4 Fresnel fixtures (FD10 and FL10)
- Adding support for small fos/4 Fresnel fixtures (FD5 and FL5)
- Adding HSIC DMX mode
- Adding Quick dimming curve

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Key Enhancements in v1.2.0

- Adding stand-alone Gel mode
- Adding Effects DMX mode
- Adding Cell DMX modes (fos/4 Panel only)
- Adding 1/4-stop intensity control in stand-alone Studio mode
- Adding metamer control in stand-alone Studio mode
- Adding x,y color mode in stand-alone Color mode
- Adding a PWM parameter in the **Local Settings** screen to adjust PWM between high and low levels
- Adjusting the dimming curve in High PWM mode to improve color stability at low dimming levels
- Multiverse enhancements, including wireless strength and quality display
- Lustr X8 fixtures now use Studio mode as the default DMX mode
- **Function** button now displays a list of modes to choose from, rather than requiring you to toggle through the mode screens individually
- Control priority for the fixture now follows a "last takes precedence" rule, with wired DMX taking precedence over wireless DMX when both are present

Key Enhancements in v1.1.1

- Support for v1.1.0 features for Panel fixtures:
  - Direct mode is now a calibrated mode
  - Multiverse settings now include added **Power** and **Universe** parameters

Key Enhancements in v1.1.0

- Support for fos/4 Fresnel fixtures
- Direct mode is now a calibrated mode (Fresnel only)
- Multiverse settings now include added **Power** and **Universe** parameters (Fresnel only)

Installation Instructions

All fos/4 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**.

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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*%").

Known Issues Remaining in v1.3.0

LEDSTUDIO-594	When the fixture is in a standalone mode and DMX is present when it is powered on, any configuration changes made via NFC when the fixture was powered off are lost. **Workaround:** Apply DMX only after the fixture is powered on.
LEDSTUDIO-587	In Direct mode while using Multiverse, the Cell 1 channels control both Cell 1 channels and Cell 2 channels (the Cell 2 channel settings are ineffective).
LEDSTUDIO-542	Metamer control has no effect near the edge of the gamut.
LEDSTUDIO-541	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.
LEDSTUDIO-540	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.
LEDSTUDIO-539	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.
LEDSTUDIO-533	In the **Preset Mode** screen, capturing the current DMX look to a preset (using the **Snapshot** icon) does not work. **Workaround:** Modify the preset using the fixture user interface or via RDM instead.
LEDSTUDIO-515	After you update the firmware, the firmware version number when displayed via NFC in the Set Light app will remain at the old value until some other configuration parameter is changed.
LEDSTUDIO-448	Effect timing can be unpredictable at extremely high **Rate** settings.
LEDSTUDIO-424	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.
LEDSTUDIO-419	When playing a preset, the gamut indicator on the user interface and the **About Color** screen (**Diagnostics** > **About Color**) do not display correct values.
LEDSTUDIO-258	Strobe gets out of sync on multiple fixtures.
LEDSTUDIO-247	The fixture does not report over-temperature errors or low battery voltage errors over RDM.