



FIRMWARE RELEASE NOTES  
& KNOWN ISSUES

05/2024

## Release Notes

**New Firmware Version: LiOS 3.1.0**

**Replacing Firmware Version: LiOS 3.0.13**

This update release contains many new features and enhancements:

- Alexa Modes available for Orbiter (demands additional remote calibration update to be performed via ALSM service tool V.5.5.2 or later)
- Multi-Zone support for some effects in SkyPanel-X
- Global Backlit Buttons: Better usage of LED-backlit CP buttons (MODE, MENU, USER)
- Boot time improvement
- Host/Client Mode improvements for LiOS fixtures
- DMX Smoothing function with toggle option
- RGB Calibrated ON by default
- Zoomed-In View ON as default
- DMX control channel with Operational Modes
- Bluetooth support for LiCo App (Orbiter via USB Bluetooth 5.0 Dongle only)

Further, various issues and bugs have been resolved to make the system more reliable.

**This is the new factory default firmware release for all SkyPanel X and Orbiter product variants.**

**Important Note: Due to the significant changes introduced with LiOS 3.1, a downgrade to previous versions of LiOS is not possible.**

Further, various issues and bugs have been resolved to make the system more reliable.

For more detailed information, feature description and download, please visit:

<https://www.arri.com/en/lighting/led/lios-firmware/lios>

## Known Issues

- Beta-Models require Calibrated Color Sensors (Orbiter)

Since color sensors on beta models are not calibrated, no calibrated operation is possible. A warning may be shown on the display.

- PSU Communication Error will be shown for defective fixtures (Orbiter)

Fixtures that show a PSU Communication Error need to be analyzed and repaired by an official ARRI service partner. The error cannot be cleared (this is on purpose).

Limitation	User Impact	Workaround
Multi-Unit-Control: only "Top" fixture will report status, sensor information and RDM PIDs	Not show-critical, status information cannot be retrieved from a part of the grouped fixtures	Dissolve group to retrieve information after show.
Fixtures with outdated CALIBRATION FILES not supported	ALEXA modes unavailable for the user	None. Fixtures need to be calibrated at the factory
Web Page on Secondary fixtures in an array does not show it is controlled by an Array (controlled via Top Fixture)	Web Page light control on Secondary fixtures is ignored (due to the Array control)	None. User must be aware of the Top fixture being the controlling device.
Arrayed fixtures need to use the same software versions	Side effects are possible. Fixtures may not show the same light.	Check and update software version of each fixture. They need to be identical.

**ALSM:** ARRI Lighting Software Manager  
PC/Mac application for updating firmware and setting attributes of ARRI LED fixtures.

**DMX:** Communication protocol designed for lighting fixtures in the film, TV and live entertainment markets

**RDM:** Remote Device Management  
Two-way communication protocol designed to read and set attributes of a light fixture

**NOTE:** If using a USB flash drive or SD card to update an Orbiter, please use a USB drive that is USB 1.0 or 2.0 standard and is formatted to FAT or FAT32. The update file must be in the root directory of the drive. SkyPanel X requires a USB-C flash drive to be used. Read and obey all warnings and notices in the user manual. Read and follow the firmware update instruction guideline.

## Service

If you have problems with your fixture or the update, please contact an ARRI service center.

Europe: [service-lighting@arri.de](mailto:service-lighting@arri.de)  
 Americas: [service-lighting@arri.com](mailto:service-lighting@arri.com)  
 Asia: [service@arri.asia](mailto:service@arri.asia)  
 China: [service@arri.cn](mailto:service@arri.cn)  
 Australia: [service@arri.com.au](mailto:service@arri.com.au)

## Helpful Website

# LIOS

<https://www.arri.com/en/lighting/led/skypanel/x-series>

<https://www.arri.com/en/lighting/led/orbiter>

<https://www.arri.com/en/lighting/led/software/lios>