

ZerOS Software Release (Public Release)

Released Version:	8.0.0 (Build 8)	Release Date:	18 December 2024
Previous Versions:	7.14.3	Release Date:	7 March 2024

ZerOS 8.0.0 (Build 8) Software Release

INTRODUCTION

Release 8.0.0 (Build 8) of ZerOS is a new software release recommended for all consoles and servers listed below, running the ZerOS Operating System. These release notes describe the new features, enhancements and bug fixes that have been implemented between versions 7.14.3 and 8.0.0 (Build 8).

- ❗ ZerOS 7.14.4 has been released simultaneously, specifically for ORB Series, Solution Series, SCD Server & SCD Server Pro and Leap Frog 48 & 96.

PRODUCTS AFFECTED

- ✓ FLX
- ✓ FLX S24 & S48
- ✓ ZerOS Server
- ✓ Phantom ZerOS (offline software)

COMPATIBILITY

- ❗ ZerOS does not support USB flash drives formatted using the exFAT file system.

UPDATE INSTRUCTIONS

Please carefully follow the update instructions available at the end of this document.

The software installation process completely removes all data on the console, including any current show files. **If the current show file is still required, please ensure that backups are taken before proceeding with the update.** After completing the update, you may re-load your show if required.

When performing a software update it is important to ensure that the power supply to your desk is stable and reliable. Power loss during a software update can render your desk unusable.

For assistance, please contact Vari-Lite technical support at +1 214 647 7880 or email entertainment.service@signify.com

New Features

ZOS-11861 Relay-per-fixture functionality

A new "Relay" column has been added to the Fixture Schedule, allowing each fixture to be assigned an additional DMX Universe and DMX Channel to control a relay that's powering that fixture.

Fixture schedule	Ch #	Change all Names	Change	Settings	Address	Relay
Add fixtures	1	Leko FC	14 Ch		1 / 1	4 / 1
Save	2	Leko FC	14 Ch		1 / 15	4 / 2
Load	3	Leko FC	14 Ch		1 / 29	4 / 3
Settings	4	Leko FC	14 Ch		1 / 43	4 / 4
Defaults	5	Leko FC	14 Ch		1 / 57	4 / 5
Universes	6	Leko FC	14 Ch		1 / 71	4 / 6
Devices	7	VL800 EventPar WW	1 Ch		1 / 85	4 / 7
	8	VL800 EventPar WW	1 Ch		1 / 86	4 / 8

DMX Universe 4 DMX Universe 5 Multi-patched fixtures Unpatched fixtures Multi-cell Fixtures with relays

Multiple fixtures can have the same relay address (for example, multiple fixtures plugged into one relay). One fixture can have multiple relay addresses (for example, two identical fixtures with identical DMX addresses but plugged into two separate relays). A new "Fixtures with Relay" Patch Group has been added.

The "Z Window" includes new controls to turn on / off the relays of the currently selected fixtures. When no fixtures are selected, all relays can be turned on / off through the "Z Window". Each fixture's macro screens also include new options to "Turn on Relays" and "Turn off Relays".

If a fixture's intensity goes above 0% whilst it's associated relay is turned off, the Output Window will display a warning notification.

There is a new "Automatically manage relays" option within Setup > Settings > Operational. When enabled:

- if a fixture's intensity goes above 0%, the associated relay is automatically turned on. If a fixture's intensity goes to 0%, the associated relay is automatically turned off after the "Off delay" (unless they are "on" for other reasons).
- if a Playback is active ("triggered"), the associated relays of ALL fixtures programmed into that Playback are automatically turned on, even if the fixture isn't used until a future cue. When that Playback is released, the associated relays are automatically turned off after the "Off delay" (unless they are "on" for other reasons).

Relay channels cannot be programmed into cues. Relay DMX addresses count towards the total number of DMX channels used, but do not count towards the total number of fixtures patched.

ZOS-11898 Increased channel count and removal of Universe Upgrades

All FLX S24 & FLX S48 consoles have been upgraded to 2048 channels ("four universes") free of charge. All full size FLX consoles & ZerOS Servers have been upgraded to 4096 channels ("eight universes") free of charge. (FLX consoles and ZerOS Servers which are licenced for more than 4096 channels will retain their higher licence).

System Information > Desk Info now displays "DMX Channels Used: x out of y", where "x" is the total number of channels currently in use ("patched") and "y" is the total number of channels licensed on that console (as listed above).

This also covers the following issues: ZOS-10579

- ZOS-11937** **FLX S doubles Fixtures, Playbacks, Groups & Palettes**
 FLX S24 now supports 96 fixtures, 97 playbacks, 96 groups and 96 of each palette type. FLX S48 now supports 192 fixtures, 193 playbacks, 192 groups and 192 of each palette type.

The FLX S "Page" button now cycles through 4 pages of MFFs. When on the third page, the first LED ("01-24") blinks. When on the fourth page, the second LED ("25-48") blinks. Holding SHIFT whilst pressing the "Page" button cycles back.
- ZOS-12383** **Updates to Fixture Schedule**
 Columns within the Fixture Schedule have been reordered and resized, giving prominence to the "Name" column.

The "Change" column now displays the DMX Count of the selected Mode, unless the Fixture is a "MultiPart Fixture" when the Part's text description will be shown instead.

Enhancements and Bug Fixes

- ZOS-8918 'Page Locks' are no longer loaded on showfile from a console with a different number of playback faders.
- ZOS-11862 ZerOS no longer supports consoles with x86 hardware.
- ZOS-11896 ZerOS software version numbering format changed to display the "Build": 8.0.0 (Build x).
- ZOS-11909 An "Exit SETUP" button has been added below the last menu item in Setup.
- ZOS-11930 ZerOS & Phantom ZerOS now require acceptance of Signify's "Terms of Software Service" to install and use
- ZOS-11936 'System Information' now displays the Co-Processor Variant after the Co-Processor's firmware version.
- ZOS-11943 Fixed various stability issues related to RigSync and associated features
This also covers the following issues: ZOS-12046 & ZOS-12103
- ZOS-11946 Fixed issue caused by an upcoming cue having a "Next" jump where that next cue automatically followed.
This also covers the following issues: ZOS-12036 & ZOS-12125
- ZOS-11950 Fixed issue where playback button LEDs and encoders could behave incorrectly during record commands.
- ZOS-11962 Various performance-related improvements
This also covers the following issues: ZOS-12027
- ZOS-11990 Fixed issue which could cause some consoles to occasionally fail to boot
This also covers the following issues: ZOS-12203
- ZOS-11991 Fixed issue related to Playback looping when there is only one cue in a playback.
- ZOS-11999 Fixed stability issue occasionally caused when "backspacing" commands which had selected multicell fixtures
- ZOS-12031 Fixed various stability issues
This also covers the following issues: ZOS-12043
- ZOS-12132 Fixed issue related to "Move Cues"
- ZOS-12133 Fixed stability issues when connected to ZerOS Wing
This also covers the following issues: ZOS-12136, ZOS-12143, ZOS-12074 & ZOS-12062
- ZOS-12204 ZerOS Library 4.9 included
- ZOS-12250 Improved performance when configuring Static IP options
- ZOS-12283 Fixed stability issue
- ZOS-12405 Fixed stability issue related to displaying which palettes are available when selecting and deselecting fixtures
- ZOS-12409 CoProcessor hardware variant is now displayed within Z Window > System Info > Desk info (for Service use)

Included Apps, Libraries & Firmware

ZerOS Library 4.9 UPDATED	FLX Series Co-Processor (Freescale Cortex-M4) 2.6	FLX Series Co-Processor (ST Cortex-M7) 2.8	ZerOS Installer 3.3.2 UPDATED
ZerOS USB Creator 2.2			

Known Issues

No known issues.

Software Update Instructions

INTRODUCTION

Please familiarise yourself with these update instructions before proceeding. Instructions must be followed accurately and in order. Deviations or omissions could render the desk unusable and require it to be returned to the factory for recovery.

If any difficulties are encountered at any point, or you are in doubt on any of the instructions below, then do not proceed any further with the update and contact Vari-Lite for assistance.

The software installation process completely removes all data on the console, including any current show files. If the current show file is still required, **please ensure that backups are taken before proceeding with the update**. After completing the update, you may re-load your show if required.

When performing a software update it is important to ensure that the power supply to your desk is stable and reliable. Power loss during a software update can render your desk unusable.

Consoles running ZerOS 7.8.3 or later.

To perform the update:

- Download the software from the Vari-Lite website (vari-lite.com/global/products/zeros-software)
- Save the .exe file onto a USB flash drive (don't put it inside any folders)
 - o **NOTE:** ZerOS does not support USB flash drives formatted using the exFAT file system.
- Plug the USB flash drive into your console
- Press SETUP to enter the console's setup screen and choose "Load" on the monitor
- Select the file from the list displayed on screen and follow the onscreen instructions
- Once the update is complete, remove the USB flash drive and reboot the desk

Consoles running ZerOS 7.8.2.39 or older.

To update a console running ZerOS 7.8.2.39 or older, please visit zero88.com/manuals/zeros/software-updates/zeros-usb-creator for instructions.