

ZerOS Software Release (Public Release)

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| Released Version: | 7.14.1 | Release Date: | 29 November 2023 |
| Previous Versions: | 7.14 | Release Date: | 11 July 2023 |

ZerOS 7.14.1 Software Release**INTRODUCTION**

Release 7.14.1 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 and 7.14.1.

PRODUCTS AFFECTED

- ✓ FLX
- ✓ FLX S24 & S48
- ✓ ZerOS Server
- ✓ ORB Series
- ✓ Solution Series
- ✓ SCD Server & SCD Server Pro
- ✓ Leap Frog 48 & 96
- ✓ Phantom ZerOS (offline software)

COMPATIBILITY

- ❶ ZerOS does not support USB flash drives formatted using the exFAT file system.
- ❶ Move on Dark now follows “Next Cue” jumps. See ZOS-2466.
- ❶ Master Playback will no longer automatically loop back to the first cue after the last cue. See ZOS-8694.
- ❶ Playbacks triggered / released by a cue will now obey the cue’s delay times. See ZOS-8696.

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 +44 1633 833101 or email zero88support@signify.com

New Features

ZOS-2466 **Move on Dark now follows “Next Cue” jumps.**

If there is a “Next Cue” defined in a cue's Settings, ZerOS will now prepare fixtures (if dark) ready for that defined cue.

“Move to First Cue” has been removed from Playback Settings > Move On Dark. This functionality has been superseded by the new “Loop Playback” feature, available in Playback Settings > General (see ZOS-8694).

Move on Dark will only “loop” (move to the first cue) if the first cue is defined as the “Next Cue” in the last cue's Settings. This can be entered manually, or automatically via the new “Loop Playback” feature (see ZOS-8694).

ZOS-8037 **Playback 10,000 (Grand Master)**

On consoles with a dedicated Grand Master fader, this fader has become an additional playback that cues can be recorded onto. The “Black Out” key is this Playback's button.

This Playback's “Special” function remains set to “Grand Master” by default.

One use case for this would be to program a cue onto the Grand Master with some fixtures at full and then set the Playback to “Inhibit” - resulting in “Grand Master” behaviour of only the fixtures programmed into that cue.

An alternative use case would be to control specific fixtures that require quick access, such as Houselights, Blinders or Haze, without the need to worry about Fader Function or Page Number. This could be a single cue or multiple cues - as per any other Playback.

In ZerOS, the Grand Master playback is known as Playback 10000. FLX consoles now have a total of 242 separate playbacks.

ZOS-8694 **Loop Playback**

Loop Playback provides the ability to stop a Playback from looping back to the first cue after the last cue. “Loop Playback” is enabled by default on all Playbacks apart from the Master Playback.

When “Loop Playback” is disabled, the last cue's “Settings” button will display “(Stop)”. When enabled, it will display “(Next:X)”, where “X” is the first cue of the Playback. The brackets indicate the “Next Cue” has not been set manually and so could automatically change. If a “Next Cue” has been defined manually, this takes precedence.

“Loop Playback” can be enabled / disabled per-playback in “Playback Settings” (SETUP+GO) > “General” when more than one cue is recorded into the Playback. The setting is also available in the “Cue Settings” of the last cue of each Playback. As chases always loop, “Loop Playback” is not available for playbacks set to “Chase”.

① Pressing the down arrow from the last cue highlights the first cue in the Playback as the “Next” cue, even when “Loop Playback” is disabled.

To define the default behaviour of any future Playbacks that are programmed, change “Loop Playback” in SETUP > Defaults > “Playback Defaults”. This setting will not change any existing playbacks. If neither “Enabled” or “Disabled” is shown as selected, the setting will be disabled on the Master Playback (when programmed) whilst enabled on all other playbacks (when programmed).

This feature replaces the “Move to First Cue” feature (see ZOS-2466).

ZOS-8761 **Clear Fixture shortcut**

“Clear Fixture” can now be achieved by holding CLEAR and tapping a fixture's channel select button. This clears any information in the programmer for just the fixture(s) selected.

Multi-select allows multiple fixtures to be cleared simultaneously, by holding CLEAR, holding the first fixture's channel select button and tapping the last fixture's channel select button.

“Clear Fixture” remains available as a Special Function on UDKs, as it was previously, for use within syntax.

Enhancements and Bug Fixes

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| ZOS-3224 | On FLX series, holding SHIFT when tapping an attribute button now pages back through parameters on the encoders. |
| ZOS-4729 | Unassigned Channel faders will now be blank in the Faders window. |
| ZOS-5597 | When deleting a "point" cue such as 2.5, the confirmation now shows "2.5" rather than "2.50". |
| ZOS-6418 | Fixed issue where the "Current cue" row sometimes only partially displayed when scrolling up the Cues window. |
| ZOS-7045 | "Clear Fixture" can now be used in Blind. |
| ZOS-7272 | With "Recovery Mode" enabled, ZerOS will no longer rerun cue timings of previously active cues (incl. Move On Dark) upon start-up. |
| ZOS-7416 | If a cue is loaded in Blind, the loaded cue is remembered upon next entering Blind. Pressing CLEAR in Blind now "unloads" the cue. |
| ZOS-7826 | Fixed issue where playback LEDs could continue to flash upon cancelling a record command. |
| ZOS-8028 | When recording onto a "special" playback (Speed Override, Grand Master, etc), a prompt to Overwrite / Cancel is displayed. |
| ZOS-8073 | The Z window now closes when holding VIEW and tapping a playback's button, taking you to the Cues window. |
| ZOS-8088 | When copying/moving a playback to a recorded playback, you now only receive a single overwrite confirmation. |
| ZOS-8125 | Fixed issue where tracking would incorrectly loop through to the first cue when a playback's Fader Function was "Manual Fade". |
| ZOS-8569 | The "Forwards Offset" button in the Effects window now offsets fixtures in the order of selection. |
| ZOS-8681 | "Renumber Cues" now provides buttons for "Start Number" and "Increment" to open number pads. |
| ZOS-8696 | If a cue triggers / releases a playback, this now happens after the cue's up / down delay respectively. |
| ZOS-8785 | Fixed issue where cue transition progress bars could still run when snapping to a cue. |
| ZOS-8786 | Improvements when using "Go (Snap)" to snap to a cue of a chase. |
| ZOS-9007 | On Phantom ZerOS, right clicking anywhere on a ZerOS screen acts as a "press and hold", allowing multi-touch functionality. |
| ZOS-9260 | In a playback's settings, tapping the currently chosen button function now disables the playback's button. |
| ZOS-9415 | When ZerOS starts, the arrow keys default to navigating the Cues window if cues are recorded. |
| ZOS-9490 | Fixed issue in Blind mode where intensity values in the Output window could have yellow backgrounds. |
| ZOS-9517 | In a Tracking Backup system, Master and Backup can now have independent network settings for the Remote connection. |
| ZOS-9523 | Upon opening the Cues window, the cue stack is now scrolled to show the Next cue in the middle of the window. |
| ZOS-9553 | Fixed issue in Cue Settings where the first encoder would display "Trigger Timecode" when editing "Wait Time". |
| ZOS-9962 | Fixed issue where FLX consoles could incorrectly report FERAM Read/Write failures under normal conditions. |
| ZOS-10539 | Fixed issue where the "Panel" desktop on Solution consoles would incorrectly put the 7-seg displays into "Test Mode". |
| ZOS-10582 | When in Blind, the Colour Picker and Pan/Tilt Grid crosshairs now indicate the Blind values. |
| ZOS-10861 | Fixed issue where Snapshot Palettes could not be recorded with the Record Options set to show "When Held". |
| ZOS-10929 | Fixed issue where fixtures with additive colour emitters, but subtractive control, would incorrectly have additive control parameters. |
| ZOS-10938 | Fixed issue where using "Focus", "Zoom", & "Iris" parameter filters in Add Fixtures would find 0 fixtures. |
| ZOS-11228 | Fixed issue where Inhibited fixtures could be frozen @ 0 if an Inhibit playback was overwritten. |
| ZOS-11232 | Improved calibration of encoders, particularly when controlling Effect parameters. |
| ZOS-11395 | A message has been added to the ZerOS USB Creator, instructing users to load software updates directly into consoles if possible. |
| ZOS-11404 | In Blind, cancelling/completing Load syntax reverts the command line back to Blind syntax. |
| ZOS-11603 | Fixed issue where connecting six or more storage devices would cause UI issues in Save/Load. |
| ZOS-11652 | Fixed issue which caused the SCD Server LCD to be blank. |
| ZOS-11655 | FLX series Co-Processor Firmware v2.6 improves DMX In performance (higher frame rates). |
| ZOS-11662 | Fixed issue where loading partially corrupt show files could cause empty Channel fader LEDs to flash. |
| ZOS-11681 | Fixed issue where MIDI Show Control could not be received on x86 consoles. |
| ZOS-11734 | Fixed issue where active playbacks may still page when "Page Handover" was enabled. |
| ZOS-11753 | Improvements when loading GDTF fixture files containing parameters that are greater than 16bit. |
| ZOS-11786 | Improvements to stability and behaviour of RDM discovery. |
| ZOS-11788 | Fixed issue where ZerOS could display underscores at the end of labels for RDM fixtures. |
| ZOS-11803 | Fixed issue where DMX Port RigSync enable/disable settings were not being saved in show files. |
| ZOS-11806 | ZerOS is less strict on requirements when loading GDTF fixture files. |
| ZOS-11808 | Fixed issue where RigSync could revert a DMX Address to "1" when it detected a change of start address. |
| ZOS-11809 | "RDM Identify" moved to "Set Channel Number". "Loud/Quiet" Identify shown if supported by the fixture. "Unlink" has been removed. |
| ZOS-11819 | Improvements to performance of RDM discovery. |
| ZOS-11843 | Fixed issue where "Manual Fade" cue transitions could snap if the Grand Master was not @ full. |

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| ZOS-11852 | Fixed issue on Solution where Fixture Macros were not functioning on the MFks. |
| ZOS-11877 | If a fixture discovered by RigSync is programmed, the show now automatically saves internally, without the need to enter/exit Setup. |
| ZOS-11882 | ZerOS Library 4.5 included |

Included Apps, Libraries & Firmware

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| ZerOS Library 4.5 UPDATED | FLX Series Co-Processor 2.6 UPDATED | ETXMain Co-Processor 1 3.21 | ETXMain Co-Processor 2 0.7 |
| ZerOS Installer 3.3.1 | ZerOS USB Creator 2.2 UPDATED | | |

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.

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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.