

## ZerOS Software Release (Public Release)

Released Version:	7.9.2	Release Date:	26 <sup>th</sup> January 2017
Previous Versions:	7.9.1	Release Date:	21 <sup>st</sup> October 2016
	7.8.2.39	Release Date:	5 <sup>th</sup> October 2015

## ZerOS 7.9.2 Software Release

### Introduction

Release 7.9.2 of ZerOS is a major 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 7.9.1 (ARM & ORB Series), 7.8.2.39 (x86) and 7.9.2 (ARM & x86 combined).

### Products Affected

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

### Compatibility

No compatibility issues known from 7.9.1 (ARM & ORB Series).

ZerOS 7.9.2 no longer supports Submasters (see ZOS-7151 below). Submasters from previous showfiles will automatically be converted to "Playbacks" (the new name for "Cue Stacks") using the following rules:

- 1) If the equivalent number Playback is available, Submasters will be automatically converted into that Playback (so Submaster 2 will become Playback 2 if there wasn't a Cue Stack 2 previously).
- 2) If the equivalent number Playback is not available, Submasters will be automatically renumbered to an empty Playback (and a notification will be displayed showing the changes made).
- 3) If there are more Submasters & Cue Stacks combined than the number of supported Playbacks, the additional Submasters will not be loaded (and a notification will be displayed showing the changes made).

### 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.

## New Features

**ZOS-7151 “Playbacks” replace legacy “Submasters” and “Cue Stacks” on all consoles**  
 Cue Stacks have been renamed “Playbacks”, and now offer all the advanced functionality included within FLX. Submasters have been discontinued, as Playbacks can perform the role of *both* Cue Stacks and Submasters. Submasters from previous showfiles will automatically be converted to Playbacks – see the “Compatibility” section on the first page of these release notes for more information.

As part of this change, Solution Series consoles (and LeapFrog 48 & 96) have been changed to reflect how FLX and ORB Series consoles are programmed. The “three step programming process” is now as follows:

Step	Old Method	New method
1	Creating a lighting state (using faders for generics and the MFKs and encoders for fixtures)	Creating a lighting state (using faders for generics and the MFKs and encoders for fixtures)
2	Select where to record (by pressing “submaster” or “memory” and then selecting which submaster / memory to record)	Press “record”
3	Press “record”	Select where to record (by pressing the GO button of any Playback. To record a specific cue (such as Cue 5.5), type “5.5” on the MultiFunctional Keys before pressing a GO button).

Updating and deleting cues use similar methods.

## Enhancements and Bug Fixes

<b>ZOS-7152</b>	Colour picker now supports fixtures with RGBW colour mixing
<b>ZOS-7221</b>	Colour picker now supports fixtures with HSV/HIS colour mixing
<b>ZOS-7269</b>	Stability improvements to Tracking Backup
<b>ZOS-7272</b>	Recovery mode now replays Playbacks without fade times
<b>ZOS-7284</b>	On FLX, "Beam" and "Shape" attribute buttons are temporarily combined with identical functionality
<b>ZOS-7290</b>	Improved stability when triggering Cue 0, which in some circumstances cause ZerOS to crash
<b>ZOS-7291</b>	Fixed issue where SOLO returned channels to the programmer if faders remained raised after clearing programmer
<b>ZOS-7295</b>	Added option within Playback Settings on ORB Series to change the "Pause Button" functionality
<b>ZOS-7300</b>	Zero 88 Fixture Library GFT 32.00 now included, adding 354 fixtures
<b>ZOS-7301</b>	Fixed issue where pressing GO after the Blank Cue hid the Current / Next bars
<b>ZOS-7302</b>	Fixed issue where "Manual Fade (1way)" snapped cues rather than using the movement of the fader
<b>ZOS-7307</b>	Fixed issue where Playback 240 couldn't be deleted
<b>ZOS-7308</b>	Copying cues no longer moves the selected cell to the top of the cue stack window
<b>ZOS-7326</b>	Encoders no longer display "Fade" and "Delay" when a fade time cell is selected in the Cue List window
<b>ZOS-7336</b>	UDKs are now included within the MFF Window on FLX
<b>ZOS-7338</b>	The layout of "Special" (Page 1) has been redesigned and simplified
<b>ZOS-7339</b>	"Blank Key" / advanced UDK functions have been simplified
<b>ZOS-7341</b>	Added option within "System Settings" to hold active playbacks when paging
<b>ZOS-7342</b>	On Solution, channel button mode, preset mode and channel mix mode are shown in the Output Window's title bar
<b>ZOS-7347</b>	Fixed issue where cue settings were occasionally not stored correctly
<b>ZOS-7350</b>	Improved VIEW+Playback Button code to ensure the view doesn't switch to MFF Window
<b>ZOS-7386</b>	Solution Series and Leap Frog 48 & 96 consoles now have "Command Syntax" option on ZerOS Remote App
<b>ZOS-7388</b>	The Solution's two step buttons now act as Global Tap Tempo
<b>ZOS-7393</b>	Fixed issue where system could lockup if a ZerOS App was disconnected whilst a slider was being held/dragged
<b>ZOS-7398</b>	RECORD NAME no longer records the cue until ENTER or a Playback button is pressed
<b>ZOS-7415</b>	GO now works whilst in blind mode
<b>ZOS-7424</b>	Only universe upgrade files can now be selected in SETUP > Upgrade > Load File
<b>ZOS-7426</b>	Improvements and speed enhancements made when patching a large numbers of fixtures
<b>ZOS-7427</b>	Fixed issue where SHIFT+Fader Function didn't open MFF Window on ORB XF
<b>ZOS-7431</b>	Fixed issue where Desktop 2 of View 0 on ORB XF didn't recall correctly
<b>ZOS-7436</b>	CAN messages now ensure playback intensity is at 100% when triggered
<b>ZOS-7440</b>	Fixed issue where rapidly changing Playback page on FLX could lock up the system
<b>ZOS-7443</b>	Popups on ZerOS Remote app have been redesigned to fill and scale to the screen size
<b>ZOS-7446</b>	Default of "Colour Edit Mode" changed to RGB for new showfiles
<b>ZOS-7447</b>	Playback Setup window title bar updated to say "Playback xx Settings"
<b>ZOS-7448</b>	Fixed issue where leaving SETUP changed the encoder page
<b>ZOS-7450</b>	Solution Load syntax updated to reflect other syntax changes: LOAD x {Playback button} where x is Cue number
<b>ZOS-7454</b>	If the same cue is both Current and Next, it will now remain highlighted in green, rather than yellow. When recording the last cue of a playback, the first cue will no longer become selected as the "next" cue
<b>ZOS-7455</b>	ORB Series Stack Directory window updated to reflect changeover to "Playbacks"
<b>ZOS-7460</b>	Solution will always open Output Window, MFF window, Playback Cue List and Fixture Levels window half size
<b>ZOS-7468</b>	Auto Palettes can now be created using the MFKs on the Solution
<b>ZOS-7476</b>	Whilst viewing certain displays, connecting ZerOS Apps could cause the console to crash
<b>ZOS-7480</b>	Performance improvements when changing Playback pages
<b>ZOS-7485</b>	ZerOS now error checks all files on storage devices when they are plugged into the console
<b>ZOS-7490</b>	Entering SETUP, pressing "Group" and navigating using the external keyboard could cause the console to crash
<b>ZOS-7493</b>	Intensity effects were incorrectly causing move on dark issues
<b>ZOS-7494</b>	ORB Series users can now select stacks using the following options: <ul style="list-style-type: none"><li>- Hold SELECT STACK and press the playback button</li><li>- Press SELECT STACK and press the playback button</li><li>- Hold VIEW and press the playback button</li></ul> (Pressing the Master Playback Go in the above examples will select "Playback 0")
<b>ZOS-7501</b>	Issue fixed where Intensity Group references weren't loaded, causing Intensity levels of 0%
<b>ZOS-7505</b>	Latched playbacks are now automatically unlatched if the flash button action is changed away from "Latch"
<b>ZOS-7508</b>	Leaving blind with a different fixture selection compared to when entering could cause a lockup in some situations
<b>ZOS-7510</b>	Tap Tempo was incorrectly raising released playbacks to full (100%)
<b>ZOS-7520</b>	Service & test mode now includes LCD Calibration and Desk ID settings again

## 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 Zero 88 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 Zero 88 website ( [zero88.com/software/zeros](http://zero88.com/software/zeros) )
- Unzip the download and save the .exe file onto a USB stick (don't put it inside any folders)
- Plug the USB stick into your console
- Press SETUP to enter the console's setup screen and choose "Load file" 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 Memory Stick and reboot the desk

Once all the software is up to date, you can get on with enjoying the new features in the desk software. Zero 88 recommend printing these Release Notes and having them with you when operating the desk, as some functionality may have changed which is explained in these notes.

### Consoles running ZerOS 7.8.2.39 or older.

To perform the update, you will need a USB Memory Stick, which will be erased and formatted as part of the process. Make sure you first backup any data on the USB Memory Stick that you wish to keep.

Some types of USB Memory Stick may not be bootable by the desk. If you experience any difficulties then try using the Zero 88 USB Memory Stick supplied with the desk.

The update will reinstall all the software on the desk. An .exe file (USB Install Creator application) is run on a Windows PC to create a bootable USB Memory Stick.

Download the USB Install Creator application from the Zero 88 website (<http://www.zero88.com/software/zeros>) and, after unzipping, run it. Insert a USB Memory Stick into your Windows PC when prompted and follow the on screen instructions of the USB Install Creator. After a few minutes, the install creator will instruct you to remove the USB Memory Stick, which now contains the update for the desk.

Remove the USB Memory Stick from your PC and insert it in one of the desks USB ports. Power on the desk and the desk will automatically boot into the software update application. It is recommended that you have a monitor, keyboard and mouse connected to the desk to perform this update. Press the [Install ZerOS] button on the monitor and the software will be installed.

Once the update is complete, you can remove the USB Memory Stick and reboot the desk. At this point your desk contains the latest software.