



Lighting  
Operating  
System



F I R M W A R E   U P D A T E   I N S T R U C T I O N S

05/2021

# Updating Orbiter Firmware

To update the firmware of the Orbiter choose one of the following methods.

## Using a USB Stick or SD Card

1. Only use a USB stick that is USB version 1.0 or 2.0.
2. All memory devices must be formatted to FAT or FAT32 and should not exceed a storage capacity of 4GB.
3. The update file (.swu) must be in the root directory of the drive.
4. Insert the medium into the Orbiter.
5. Open MENU → Flash Drive Functions → Update Firmware.  
The fixture will automatically look for the update files. When found, a list of update files will appear in the display.
6. Highlight the update file and push the encoder knob. The update will begin.
7. Do not remove the USB stick until the file is completely copied.
8. Do not disconnect the fixture from the power source until the entire update is complete.
9. The update procedure will take a few minutes and is executed in multiple steps with potential black screen periods on the Orbiter control panel. When completed, a success message is prompted.

## Using ALSM (ARRI Lighting Service Manager)

1. Install the latest version of the ALSM application onto your Mac or PC.  
Download at: [www.arri.com/lighting/alsm](http://www.arri.com/lighting/alsm)
2. Open the application and connect the Orbiter to the computer via Ethernet cable or alternatively a USB-C data cable.
3. The ALSM will automatically find your fixture once powered on and connected.
4. Select the “Firmware Update” tab and then select the fixture you wish to update in the column on the left side of the screen.
5. Click “Update Firmware”.
6. Do not disconnect the fixture from the power source or from the computer until the update is complete.
7. The update procedure will take a few minutes and is executed in multiple steps with potential black screen periods on the Orbiter control panel. When completed, a success message is prompted.

Note: USB-C cables need to allow USB3.1 data transmission. Some USB-C charging cables do not allow data transmission.

## Using the Orbiter Web Page

1. Connect the Orbiter to your LAN via an Ethernet cable.
2. Use your favorite Internet browser to open the Orbiter web page via its IP address, e.g. <http://192.168.0.36>  
Note: If you do not know the IP address of your Orbiter, use the Control Panel and open MENU → Network Settings
3. By clicking enter the „Fixture Settings“ menu that can be found on the top of the web page. The „Firmware Update“ section is located at the top of the page.
4. Choose the update file (.swu) via the „Browse“ button.
5. Click „Update“
6. Do not disconnect the fixture from the power source or from the computer until the update is complete.
7. The update procedure will take a few minutes and is executed in multiple steps with potential black screen periods on the Orbiter control panel. When completed, a success message is prompted.

## Service

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

Europe:	<a href="mailto:service-lighting@arri.de">service-lighting@arri.de</a>
Americas:	<a href="mailto:service-lighting@arri.com">service-lighting@arri.com</a>
Asia:	<a href="mailto:service@arriasia.hk">service @arriasia.hk</a>
China:	<a href="mailto:service@arri.cn">service@arri.cn</a>
Australia:	<a href="mailto:service-lighting@arri.com.au">service-lighting@arri.com.au</a>

## Helpful Website



[www.arri.com/lios](http://www.arri.com/lios)