

# Live Production System LPS-1

## Software Update Package SUP 1.3.0

### RELEASE NOTE

18. March 2026 • English

D45 1000 9036 • K11754





## Legal Notes

© 2026 Arnold & Richter Cine Technik GmbH & Co. Betriebs KG. All rights reserved.

The product contains proprietary information of Arnold & Richter Cine Technik GmbH & Co. Betriebs KG; it is provided under a license agreement containing restrictions on use and disclosure and protected by copyright law. Reverse engineering of the software is prohibited.

No part of this publication shall be used for distribution, reproduction, transmission, transcription, storage in a data retrieval system, or translated into any language in any form by any means without the prior written permission of Arnold & Richter Cine Technik GmbH & Co. Betriebs KG.

If you are downloading files from our web pages for your personal use, make sure to check for updated versions.

ARRI cannot take any liability whatsoever for downloaded files, as technical data are subject to change without notice.

Due to continued product development the information in this document may change without notice. The information and intellectual property contained herein is confidential between ARRI and the client and remains the exclusive property of ARRI. If you find any problems in the documentation, please report them to us in writing. ARRI does not warrant that this document is flawless.

All data is subject to change without further notice.

Original version.

---

## Overview

The LPS-1 Live Production System is the fiber transmission system forming the backbone of the ALEXA 35 Live - Multicam System and consists of the Fiber Base Station FBS-1 and Fiber Camera Adapter FCA-1.

We are pleased to announce the release of LPS-1 Software Update Package SUP 1.3.0 as a public release. This update is compatible with all LPS-1 systems and can be downloaded from the [ARRI Software Update Packages](#) webpage.

Please review these release notes carefully, including the known issues section. Consult the Live Production System LPS-1 User Manual to ensure optimal operation.

It is available for free download from the [ARRI Document Search Portal](#).

## General

### LPS-1 Software Update Package SUP 1.3.0 New Features

- Bug fixes and enhancements.
- Configuration of the ARRI ALEXA 35 Live Multicam System is now simplified and quicker with the new IP Discovery feature. The Fiber Base Station FBS-1 will now automatically detect the ARRI ALEXA 35 Camera Head when it is set to DHCP rather than having to manually enter Static IP addresses. This then also provides easy swapping of Fiber Camera Adapters FCA-1 and Camera Heads between different Fiber Base Stations FBS-1.

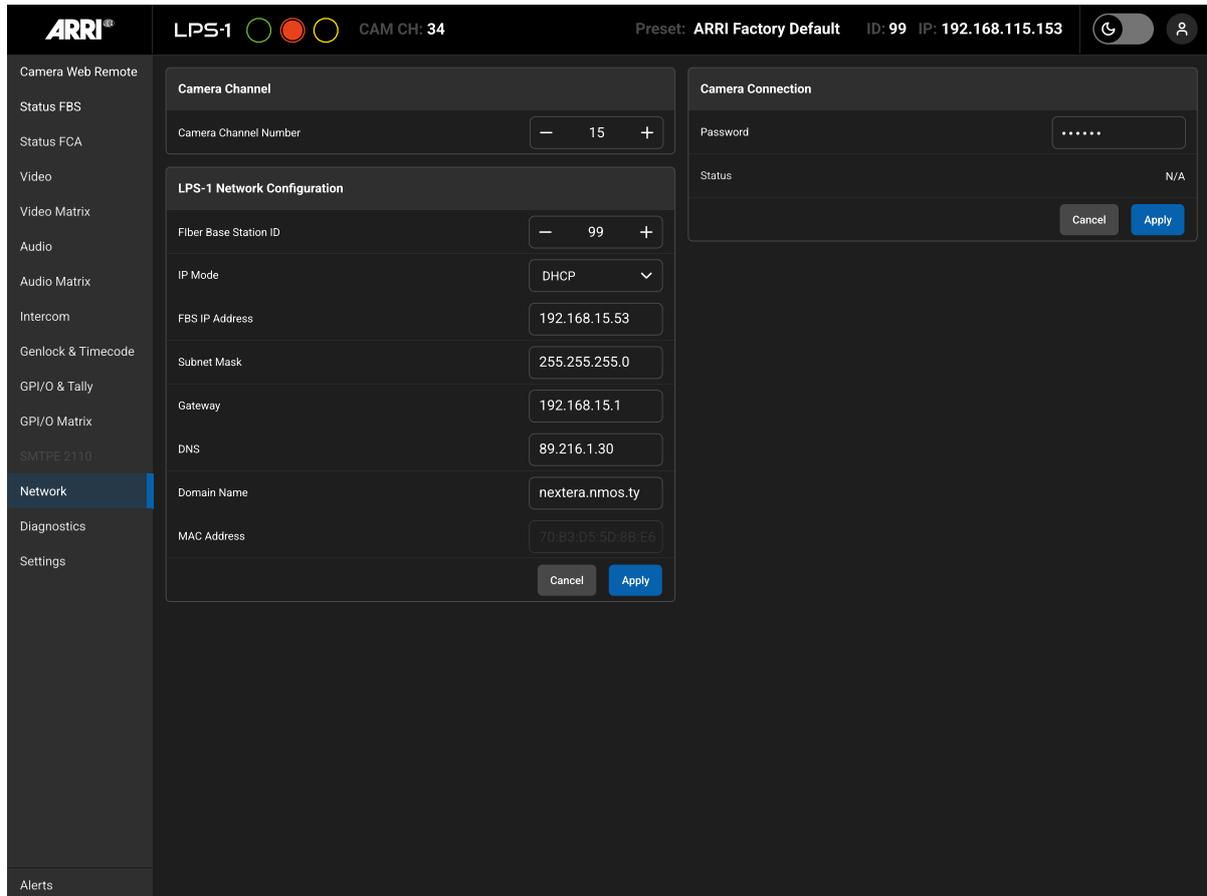


Figure 1: Example of LPS-1 SUP 1.3.0 Web User Interface Network Page

You can then configure the connected Remote Control Panel to connect to the IP address of the Fiber Base Station FBS-1 rather than the ARRI ALEXA 35 Camera Head as it was in previous versions.

Please see the Live Production System LPS-1 User Manual V1.3.0 for further details.

- The Fiber Base Station Front Panel PSU 1 & PSU 2 displays have been adjusted to reflect the physical position of the Power Supply Units.

### Known Issues Fixed Since Last Release

When changing the Genlock Format, there was a delay before the SDI Video appeared on the HD Out and Monitor Outputs of the Fiber Base Station FBS-1.

---

## Software Compatibility

To ensure full compatibility with LPS-1 SUP 1.3.0, the following software versions shall be used:

ARRI ALEXA 35 Live  
Skaarhoj RCP Pro

ARRI ALEXA 35 SUP 5.2.0

<https://devices.skaarhoj.com/otherpackages>

- reactor.2.2.6.arm64.ipks
- system-manager.1.0.12.arm.ipks
- hardware-manager.1.0.5.arm64.ipks
- devicecore-connector.1.0.2.arm64.ipks (optional)
- core-arri-camera.1.0.7.arm64.ipks V1.1G

## Further Information and Applications

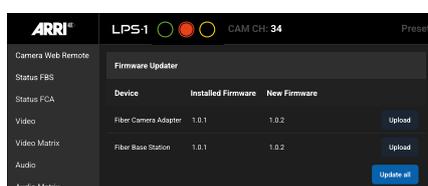
You can find further information and applications of the ARRI ALEXA 35 Live Multicam System on the [ARRI ALEXA 35 Live](#) web page.

# Update Procedure

## LPS-1 Update Procedure

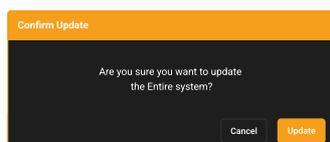
You can update the LPS-1 system with a PC connected through an ethernet cable to one of the RJ45 management ports of the LPS-1 system.

- 1 Download the SUP 1.3.0 update file (LPS-1\_1.3.0.zip) from the [ARRI Software Update Packages](#) webpage. Double-click the downloaded .zip file to unpack it, or unpack it manually. This will extract two update files.  
**LPS-1\_fw\_1.3.0.raucb** - Combined update file for LPS-1 FBS and FCA.  
**LPS-1\_fw\_FCA\_1.3.0.raucb** – Individual update file for FCA only.
- 2 Ensure that
  - ▶ the LPS-1 system is energized,
  - ▶ the Fiber Camera Adapter FCA-1 has an active fiber connection to the Fiber Base Station FBS-1 Fiber Base Station, and
  - ▶ the system is fully booted.
- 3 Enter the IP address of the Fiber Base Station FBS-1 into the address bar of a web browser to open the LPS-1 Web User Interface. Navigate to the *Settings* page.

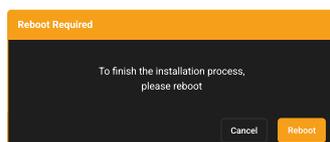


- 4 To update FBS-1 and FCA-1 together select *Settings > Firmware Updater*. Push the **UPLOAD ALL** button. Browse to the location of the **LPS-1\_fw\_1.3.0.raucb** update file and select it.

To update only the FCA-1 select *Settings > Firmware Updater > FCA*. Push the **UPLOAD** button. Browse to the location of the **LPS-1\_fw\_FCA\_1.3.0.raucb** update file and select it.



- 5 Once the file is uploaded, a message is reported in a popup dialog box to prompt the user to start the upload process and the progress of the update will be reported in a popup dialog window. Please allow approximately 5 minutes for the update.



- 6 To complete the update the system will prompt you to perform a reboot.

OPTIONAL: If it is not desirable to perform a reboot at this time, it can be avoided by installing the Software Update Package a second time to ensure all internal devices are reconfigured.

- 7 After the reboot, check the versions in the settings page to confirm the update was successful (it may be necessary to refresh the page.)
- 8 Access the Web User Interface network page and check the camera connection status.

## ARRI ALEXA 35 Live Update Procedure

The camera is updated through a USB-C medium. You can initiate the process through the MVF-2 viewfinder menu or the camera Web Remote. When the MVF-2 viewfinder and the lens mount are connected to the camera, they will automatically update during the camera update. If they were not connected at that time, they can be updated individually through the camera later. If you are using the camera Web Remote to perform the update, it is recommended to use a 'private' or 'incognito' browser window to avoid potential issues or unexpected behavior.

1. After downloading the update file from the [Software Update Packages for Cameras](#) webpage, double-click the downloaded .zip file to unpack it, or unpack it manually. This will extract two update files to your computer (\*.SWU and \*.lic).
2. If not done beforehand, prepare the USB-C medium for use with the ARRI ALEXA camera by connecting it to the camera. Then, go to *MENU > Media > Prepare USB Medium...* on the MVF-2 viewfinder menu or the Web Remote and push **CONFIRM**. This will create the required folder structure on the USB-C medium.
3. Connect the USB-C medium to your computer.

Place the downloaded \*.swu file in the *ARRI/ALEXA35/SUP* folder.

Place the downloaded \*.lic file in the *ARRI/ALEXA35/LICENSES* folder.

4. The camera Software Update Package includes updates not only for the camera body but also for the MVF-2 viewfinder and the lens mount. Therefore, ensure that the MVF-2 viewfinder and the lens mount are connected to the camera during the update process.
5. Ensure the camera is connected to a power supply or powered by a fully charged battery to prevent power loss during the update.
6. Perform a factory reset on the camera with the menu item *MENU > Setup > Factory Reset...*
7. Connect the USB-C stick to the camera and navigate to the menu item *MENU > System > Update > Update Camera...*
8. Select the SUP file from the list and start the installation.  
The MVF-2 as well as the camera side display will show a screen displaying the update progress. Please note, that the update can take up to 20 minutes.  
The MVF-2 viewfinder may turn off during the update process and will not provide continuous visual feedback, refer to the camera side display for the update status in this case.  
Do not power off or unplug the camera until it has rebooted.  
After the update process has finished, a success message is displayed.
9. Ensure that the correct time zone is set in *MENU > System > System Time & Date*.
10. If the MVF-2 viewfinder or lens mount were not connected during the update, the camera will still store the updated software for these devices. The next time they are connected and have an older software version than the one stored in the camera, the camera will prompt you to update them.

In the rare event of an interrupted or failed update the camera may enter a state where the MVF-2 is unresponsive. In this situation, use the side display to enable Wi-Fi, connect to the camera, and reinstall the update using the Web Remote.

#### **ARRI ALEXA 35 Live Downdate Procedure**

It is possible to downdate an ALEXA 35 to a previous software release.

Please note that ALEXA 35 Live is not compatible with any software version earlier than SUP 2.0.0.

#### **Skaarhoj RCP Update Procedure**

To update the Blue Pill Enabled Skaarhoj RCP Pro ARRI V2B, please see the instructions on the Skaarhoj Update Software page here:

<https://wiki.skaarhoj.com/books/blue-pill-reactor/page/update-software>

## Known Issues in SUP 1.3.0

- Following a software update it is sometimes the case that the camera web UI is not accessible. If this occurs clear the web browser Cache and reload the page.
- ALEXA 35 Live SDI Metadata is not available on MON, HD, QL3G Outputs or 3G outputs 1-4 of banks 1 & 2.
- FBS SDI Monitor Output video and LPS-1 status overlays are predominantly green in colour when the ALEXA 35 Live camera is set to output 12G 4:4:4 or 3G 4:4:4 formats.
- Embedded audio is only available on output 1 of the four SDI outputs from 3G bank 1 & 2.
- Improvements to the intercom audio mixer include providing headroom to avoid clipping. A corresponding adjustment to the input audio level is advised.
- Setting date and time to be too far in the future or past can result in the Fiber Camera Adaptor being stuck with the message 'waiting for connection' displayed. Ensure that the correct time and date is set through the LPS-1 web User Interface.
- If the ALEXA 35 and Fiber Camera Adaptor are powered from an external power supply and the system is simultaneously connected over SMPTE311, then swapping the SMPTE 311 connection to another Fiber Base Station and back again results in disruption to communication between FBS and FCA.

**ARRI** 