

# ALEXA Mini LF SUP 7.1.2

Software Update Package (SUP) Mini LF 7.1.2

## RELEASE NOTES

October 5, 2022



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## A. Introduction

This document describes changes for ALEXA Mini LF cameras with the Software Update Package (SUP) Mini LF 7.1.2 in contrast to ALEXA Mini LF SUP 7.1.1. We recommend that you take your time to go through these release notes, the known issues section of this document and the user manual before operating the camera.

For more information on the camera, please visit [www.arri.com/alexaminilf](http://www.arri.com/alexaminilf).

For frequently asked questions and their answers please visit the [ALEXA Mini LF FAQs](#).

### ALEXA Mini LF SUP 7.1.2 Changes Overview

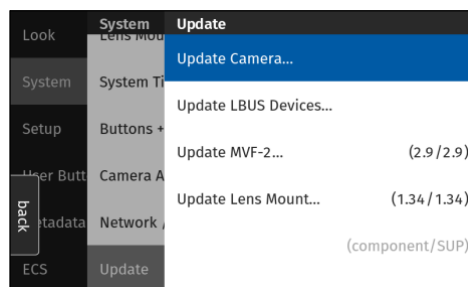
- **Support for MVF-2 with a changed hardware component**
- **Support for Codex Compact Drive 2TB with a changed hardware component**

We recommend updating to all customers. Please note that beyond the changes listed above, no new features have been added since the last SUP release (ALEXA Mini LF SUP 7.1.1).

### Updating Camera, Viewfinder and Lens Mount

- This SUP can be installed on all previously shipped ALEXA Mini LF cameras. However, we recommend updating from SUP 7.1.1 to SUP 7.1.2 (note: this can take up to 20 Minutes). If your camera is not running Mini LF SUP 7.1.1, please update it to 7.1.1 before updating to SUP 7.1.2. ALEXA Mini LF SUP 7.1.1 is still available on the ARRI website.
- We do not recommend updating in the middle of a production.
- When connected to the camera, the MVF-2 viewfinder and lens mount will also be updated automatically.

In case of using an MVF-2 or lens mount with older software with a camera with newer software, please make sure to perform a component update of the MVF-2 or lens mount. The version numbers in brackets should be equal (MENU > System > Update).



- Please note that the viewfinder might switch off during the update process and does not give visual feedback of the update all the time. The SDI outputs, however, will stay active, which they did not in previous SUPs.
- Make sure not to power off the camera during an SUP update. Make sure not to unplug the viewfinder during an SUP update. Detailed instructions for the update process can be found at the end of this document.
- Always use a 'private' or 'incognito' browser window when using the Webremote to operate the camera and to perform a SUP update. This prevents possible erroneous behavior.

### Updating LBUS Accessories

- The camera SUP does not contain any LBUS accessory software. LBUS accessories (like cforce mini motors, cforce Plus motors, ARRI Master Grips, ARRI Operator Control OCU-1 or ARRI LCUBE) connected to the camera during a camera SUP update will therefore not be updated.
- To update LBUS accessories, download the LBUS device update file from the ARRI website, copy it onto a USB stick in the folder ARRI/ECS/, place the USB stick into the camera, connect the LBUS device to the LBUS connector on the camera and then initiate the update from MENU > System > Update > Update LBUS Devices.

### Downdating

It is possible to downgrade from this ALEXA Mini LF SUP 7.1.2 version to an older SUP.

- For a downgrade to a previous SUP version, both the license file of the installed and of the previous version (always included in the SUP zip file and named: 'mini\_lf\_fw\_update\_aes\_X.X.X.lic') need to be available on the USB memory stick under /ARRI/A-MINI-LF/LICENSES.
- ALEXA Mini LF SUP 7.1.1 is available for download on the ARRI website.
- However, MVF-2 viewfinders with serial numbers above 6849 and Compact Drive 2TB units with serial numbers starting with '273xxxxx' are not compatible with older ALEXA Mini LF SUPs.

### Codex Compact Drive 1TB Update

A firmware patch is available to address a firmware error with Codex Compact Drives with the serial number range from 10020001 to 10022568. Drives outside this serial number range already run the latest firmware and require no update. On rare occasions, this firmware error could cause a Compact Drive to take a long time to load in the camera, Dock or Reader, not load at all or result in the camera status "INVALID". For all ALEXA Mini LF owners we recommend updating their Compact Drives to this new firmware. To have the update installed free of charge, affected drives can be sent to any [Codex](#) or [ARRI Service station](#).

Please note that Mini LF SUP 7.1.2 will not update Compact Drives. ALEXA Mini LF cameras running SUP 7.1.2 are compatible with Compact Drives with and without the update. More information can be found on the ARRI Website [here](#).

### Software Compatibility Notes and Sample Footage

- A document providing an overview of postproduction tools that support files recorded with ALEXA Mini LF cameras ("ALEXA Mini LF Supporting Tools & Software Overview.pdf") can be found in the download section of the ALEXA Mini LF webpage.
- To properly process files recorded with ALEXA Mini LF cameras with SUP 7.1.2 or later installed, please update the ARRIRAW Converter (ARC) and the ARRI Meta Extract (AME) to the latest release version. The latest release version of the ARC is 4.4, the latest release version of the AME is 4.4. The [ARRI Reference Tool \(ART\)](#) will process camera files using the new REVEAL Color Science giving you great compatibility with footage shot on ALEXA 35.
- Please note, that macOS X version 10.14.4 or later is required to successfully transfer data from a Codex Compact Drive with the Codex USB-C Compact Drive Reader, or the SXR Capture Drive Dock with the Compact Drive Adapter. Using older versions of macOS will result in a copy error for files larger than 9.66 GB.
- Please note that macOS X version 10.15 with the Apple MXF plug-in installed (part of "Pro Video Formats 2.1") is required to play back downloaded MXF/Apple ProRes footage in Apple QuickTime Player.
- Sample footage shot with the ALEXA Mini LF camera can be downloaded [here](#).

### Registration

If you have not done so already, please make sure you register your camera using our online customer registration. Your registration ensures that you receive information about future software updates as soon as they are available. If you register your new camera within 1 month of purchase, you will get a 12-month extended warranty for free. You can find the registration [here](#).

## B. New Features and Changes

### Support for MVF-2 with a changed hardware component

As the supply situation continues to be a challenge and ALEXA 35 cameras are in high demand, we will be adding alternative versions of the MVF-2 viewfinder with a changed component. This changed component can be found in MVF-2 viewfinders from serial number 6850 on. This change has no impact on the functionality, performance, or reliability of the viewfinder, so long as the latest camera software update has been installed. ALEXA 35 SUP 1.0.3 Revision 7 and ALEXA Mini LF SUP 7.1.2 are required to support the changed components inside the MVF-2.

Please note that using an MVF-2 viewfinder with a changed component (serial number above 6850) together with a camera with an older SUP (ALEXA 35 SUP 1.0.3 Revision 4 or smaller or ALEXA Mini LF SUP 7.1.1 or smaller) can result in very sluggish behavior of the viewfinder user interface and is not recommended.

### Support for Codex Compact Drive 2TB with a changed hardware component

As the supply situation continues to be a challenge and ALEXA 35 cameras are in high demand, we will be adding alternative versions of the CODEX Compact Drive 2TB with a changed component. This changed component can be found in Compact Drive 2TB with serial numbers starting with a '273xxxxx'. This change has no impact on the functionality, performance, or reliability of the drive, so long as the latest camera software update has been installed. ALEXA 35 SUP 1.0.3 Revision 7 and ALEXA Mini LF SUP 7.1.2 are required to support the changed components inside the Compact Drive 2TB.

## C. Known Issues – Software

### Lenses

#### **ALURA 1.4x and 2.0x Extender are not recognized**

ALURA 1.4x and 2.0x Extender are not recognized by the camera and therefore the lens information shown in the menu, the SDI overlays and the WCU-4 show the information of the lens without considering the use of the extenders.

### Monitoring

#### **MVF-2 can show subtle flickering in upper part**

Sometimes a subtle flickering can be observed in the upper part of the image of the MVF-2 viewfinder (through the eyepiece, not the flip-out monitor).

#### **Brightness flicker when EVF Zoom is activated or EVF Surround view is off**

Brightness flicker in the upper part of the OLED display can be noticed.

#### **MVF-2 flip-out monitor shows vertical stripe**

Sometimes the MVF-2 flip-out monitor shows a vertical stripe on the left side of the image which is part of the image from the right. This can be fixed by unplugging and re-plugging the VF cable.

#### **No Surround View for 2.8K S35 4:3 – 2.8K**

Due to technical limitations, surround view for 2.8K S35 4:3 – 2.8K had to be deactivated in ALEXA Mini LF SUP 7.1.

#### **Magnification Limits**

Depending on the recording format, the MAGNIFICATION feature can sometimes reach maximum magnification before the top value of 200% is reached. In this case, higher value numbers will be shown in the menu, but actual image magnification will not increase further.

### Playback

#### **Small playback image**

When using MAGNIFICATION, the playback image may show less than monitored during recording and standby.

### Post

#### **No Mirror image function for MXF/Apple ProRes in DaVinci Resolve**

The vertical “Mirror image” function does not work for MXF/Apple ProRes in DaVinci Resolve. However, it will work with ARRIRAW.

### Remote Control

#### **WiFi still on when camera is in host mode and WiFi is turned off**

When the camera is in WiFi host mode (MENU > System > Network/WiFi > WiFi Mode > Host), a client is connected and WiFi Power is turned off, WiFi Power stays on.

#### **Webremote reconnect takes long after switching WiFi power OFF and back ON.**

Sometimes the reconnect of the Webremote takes unexpectedly long after switching WiFi power OFF and back ON.

#### **Webremote function not working properly after SUP update**

After updating the camera, the web remote function may not work properly unless the browser cache of your web browser has been cleared.

#### **SmallHD Cine 7 partial functionality**

When remote controlling the camera with a SmallHD Cine 7, not all features will work as expected.

When connecting to a WiFi network in client mode, you may have to enter the correct password twice.

#### **WiFi does not work as expected in WPA encrypted networks**

Only networks indicating WPA/WPA2 encryption will perform as expected. WPA only encrypted networks are not supported.

## Sync

### **SDI out of sync**

If two cameras are being synchronized by syncing one of them to timecode, the recorded images will be in sync, but the SDI outputs will be slightly out of sync.

### **Warning message unavailable**

A camera in setting Slave mode inherits all settings from the master camera. When attempting to change settings on a camera in settings Slave mode not all items prompt the warning that these settings can only be changed on the master camera, but instead are not modifiable.

### **Disabling EXT Sync leads to error message**

When disabling EXT Sync the camera can display a software error (#4) and prompt the user to reboot. After rebooting the camera will resume working as expected.

### **Timecode offset after exiting playback through recording**

When exiting playback by pushing the REC button, it is possible for timecode to be offset by one frame. To avoid this, exit playback by pushing the physical playback button on the viewfinder or through the 'close' button in the menu.

## Usability

### **Cannot overwrite existing User Pixel Mask**

Saving a User Pixel Mask on the USB stick is only possible when the sensor folder on the USB stick does not already contain a User Pixel Mask. If you want to save a User Pixel Mask, make sure the folder is empty or re-name any existing User Pixel Masks. Even then, sometimes a new User Pixel Mask cannot be saved, and the monitor gets stuck with the message 'Exporting user pixel mask, please wait...'. Restarting fixes all of this.

### **Menu item selection highlight scrolls past bottom of menu**

In some menus the menu item selection highlight can be scrolled past the bottom of the menu.

### **Audio icon deactivated in playback of clip with audio**

When RECORDING settings do not allow to record audio, the audio icon is shown deactivated erroneously in playback of a clip that contains audio.

## Updating

### **ALEXA Mini SUP camera update might fail**

In a few cases the camera update may fail with the message 'Last SUP installation was incomplete. Please re-install SUP. (#135)'. In this case, please re-install SUP.

## D. Known Issues – Mechanical Accessories

### **RAB-1 Clamp 2 may experience poor clamping performance**

Some early RAB-1 Clamp 2 units (K2.0023406) ran into assembly issues leading to poor clamping performance or the inability to release adequately. If a RAB-1 Clamp 2 is found to slip on the Rear Accessory Bracket RAB-1 (K2.0013937) or not to release correctly, please contact ARRI Service to get the part repaired or exchanged.

### **Compact Bridge Plate CBP-1 and CBP-2 lever malfunction**

To release the Compact Bridge Plate CBP-1 or CBP-2 from a balance plate, the safety catch on the main locking lever of the CBP must be released for the main locking lever to be moved from the BALANCE to the RELEASE position. Some early CBP-1 and CBP-2 units could have the main locking lever moved directly from the LOCK position to the RELEASE position. In that case, please contact ARRI Service to get the part repaired or exchanged.

## E. Update Procedure

### Where to download the new Software Update Package (SUP)

You can find the Software Update Package in the [Software Update Package download section](#). A SUP can be installed on the camera by using a USB stick as described in detail below.

### Camera Update Procedure

The ALEXA Mini LF software is updated from a USB memory stick. The SUP Software Update Package (SUP) will update the ALEXA Mini LF camera along with the Viewfinder (MVF-2) and the lens mount – provided they are connected to the camera.

The update can be started through the menu of the MVF-2 viewfinder or through the Web Remote. The Web Remote requires a connection to the camera via WiFi or Ethernet (with ALEXA Ethernet/RJ-45 Cable KC-153-S, K2.72021.0). Open a web browser and enter the URL: <http://mini-LF-xxxxx.local> (replace xxxxx with your camera's 5-digit serial number). For further information on the Web Remote, please refer to the User Manual.

- After the download, please double click the downloaded file (\*.zip) to unpack it or unpack it manually. This will place two update files (\*.SUP and \*.lic) onto your computer.
- If not done beforehand, prepare the USB memory stick for use with ALEXA Mini LF by connecting it to the camera. Then choose *Menu > Media > Prepare USB Medium...* in the camera's menu on the MVF-2 flip-out monitor and press CONFIRM. This will create the required folder structure on the USB stick.
- Connect the USB stick to your computer and place the downloaded \*.SUP file in the folder ARRI/A-MINI-LF/SUP on the USB stick. Then place the downloaded \*.lic file in the folder ARRI/A-MINI-LF/LICENSES on the USB stick.
- SUPs contain not only updates for the camera body but also for the MVF-2 viewfinder and the LPL lens mount. Therefore, the MVF-2 viewfinder and the LPL lens mount should be attached to the camera when performing an update.
- Make sure the camera is connected to a power supply (best) or is powered with a full battery to avoid power loss during the update process.
- Perform a factory reset on the camera with the menu item *Menu > Setup > Factory Reset...*
- NOTICE: Remove the recording media from camera!
- *Connect the USB stick to the camera and navigate to the menu item **Menu > System > Update > Update Camera...***
- *Select the SUP file from the list and click the item.*
- *In the following message, press INSTALL to start the installation.*
- *Press CONFIRM to start the installation.*
- *The camera will present a screen presenting the update progress. Please do not shutdown the camera or unplug power until the camera reboots.*
- *After the update process has finished, a success message is displayed. Please note, that the update can take up to 20 minutes.*
- *Please repeat the last six steps (marked in purple) and update the camera for a second time.*
- It may happen that the Viewfinder goes black during the update and does not provide any further information. In this case do NOT cut off power but check SDI 1 for a red ERROR icon or connect via Web Remote. If you get a "fail", re-run the update.
- Make sure you set the correct time zone in *Menu > System > System Time & Date.*
- If the MVF-2 viewfinder or LPL lens mount were not connected to the camera during the update process, the camera will still store the new software for those devices. The next time those devices are connected and have an older software than the one stored in the camera, the camera will offer to update those devices.