

LLA-1 Control Module SUP 1.1

Software Update Package LLA-1-CM-SUP-1_1_0.cmf

RELEASE NOTES

May 15th, 2025



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A. Introduction

We hereby announce the release of the Software Update Package (SUP) 1.1 for the LLA-1 Control Module. This is a maintenance release.

We strongly recommend updating the LLA-1 Control Module to this Software Update Package as soon as possible.

Bug Fixes with SUP 1.1

- Restored Zoom and Focus control after disconnecting ECS devices
- RET2 and PD functions now supported via LBUS

Please take your time to go through this document before you start using the LLA-1 Control Module.

B. Update Instructions

How to get a Software Update Package

You can find the Software Update Package (SUP) in the LLA-1 Control Module download section on:

<https://www.arri.com/en/technical-service/firmware/overview-of-all-current-software-update-packages>

Download the latest Software Update Package to your computer.

The LLA-1 Control Module can be update as LBUS device via ALEXA 35 camera, Hi-5 (USB or ECS Sync App) and WCU-4. The following section provides details about updating the LLA-1 Control Module via ALEXA 35 camera, Hi-5 or WCU-4.

Update with ALEXA 35

Precautions

Have the ALEXA 35 running with a stable power source during the update.

Preparing the USB Stick

Copy the LLA-1 Software Update Package onto an USB memory stick in folder ARRI/ECS/

Performing the Update

- (1) Connect the cameras LBUS connector and one LLA-1 via LBUS cable.
- (2) Connect camera to a stable power source (e.g. AC power supply and on-board battery).
- (3) Connect the USB stick to the camera.
- (4) In the camera menu, go to MENU > System > Update > LBUS.
- (5) Select the LLA-1 as LBUS device and press the jog wheel. A confirmation screen is displayed.
- (6) Press CONFIRM to start the update.
- (7) Choose the desired Software Update Package and then press the two UPDATE soft buttons simultaneously to start the update.
- (8) Wait until the update process is finished.
- (9) Power cycle the LLA-1 by disconnecting it from the power source.

Caution: The update process takes several seconds. Do not remove the USB stick during the update!

Update with Hi-5 via USB

The LLA-1 Control Module software can be updated using a USB-A or USB-C drive.

The USB-A slot is located below the display on the bottom of the Hi-5, covered by a plastic cap. Press the release pin to open the cover.

The USB-C slot is located above the display on the top side of the Hi-5, covered by a rubber cap. Lift and turn the rubber cap gently to access the USB-C slot.

Precautions

Make sure the power supply of the Hi-5 is stable, e.g. by using a fully charged battery. Please note that power over USB is not recommended.

Preparing the USB Stick

Copy the Software Update Package onto an USB memory stick in folder *ARRI/ECS/*

Performing the Update

- (1) Connect the LLA-1 Control Module to the Hi-5 via LBUS.
- (2) Connect the LLA-1 Control Module to a power source.
- (3) Turn on the Hi-5.
- (4) Insert the USB stick in the corresponding USB slot of the Hi-5
- (5) Enter the settings menu and go to *System/Update/LBUS Device Update*.
- (6) Select the LLA-1 Control Module as LBUS device.
- (7) Choose the desired Software Update Package and then press 'select' to start the update.

Caution: The update process takes several seconds. Don't remove the USB Stick and do not turn off the Hi-5 during the update!

Update with Hi-5 via ECS Sync App

The ECS Sync App connects to Hi-5 via Bluetooth. To add your Hi-5 to the list of Bluetooth devices on your iOS device, do the following:

- (1) Connect the LLA-1 Control Module to the Hi-5 via LBUS.
- (2) Connect LLA-1 Control Module to a power source.
- (3) Ensure that Bluetooth is enabled on the Hi-5 via MENU > System > Bluetooth.
- (4) Activate Bluetooth on your iOS device and add the Hi-5 to your device list (Hi-5 is shown as hi-5-xxxxx, with xxxxx being the serial number).
- (5) Open the ECS Sync App. The app is now connected to your Hi-5 hand unit.
- (6) Go to ARRI DEVICE > LLA-1 Control Module xxxxx > Update to the latest SUP
- (7) Select Download and proceed the software update

Caution: Do not leave the app during the update!

Update with WCU-4

Precautions

During the update, supply the LLA-1 Control Module with >12V Voltage, e.g. by using an LBUS to D-Tap cable (e.g. K2.0006758 Cable LBUS to D-Tap) connected to a battery with D-Tap interface.

Preparing the SD Card

Have a FAT16 or FAT32 formatted SD/SDHC card up to 32GB for updating. Copy the LLA-1 Control Module Software Update

Package into the root folder of the SD/SDHC card.

Performing the Update

- (1) Connect WCU-4 and the LLA-1 Control Module via LCS to LBUS cable (K2.0007318 or K2.0013044).
- (2) Connect the LLA-1 Control Module to 12V power source (e.g. with K2.0006758 Cable LBUS to D-Tap)
- (3) Turn the WCU-4 on.
- (4) Insert the SD card into the SD card slot of the WCU-4.
- (5) Go to MENU > FIRMWARE > LBUS Update.
- (6) Select the LLA-1 Control Module as LBUS device.
- (7) Choose the desired Software Update Package and then press the two UPDATE soft buttons simultaneously to start the update.

Caution: Do not remove the SD card during the update!

C. Bug Fixes

This particular SUP 1.1 Software Update Package consists of the following bug fix only:

Zoom and Focus control blocked when connected via LBUS only

Fixes a bug where the lens' Zoom and Focus Demand Units could not control the Box Lens when the LLA-1 Control Module was connected via LBUS to the camera. If an ECS device (e.g., Hi-5 or WCU-4) had previously taken control of zoom or focus, local control via the demand units remained blocked even after disconnecting the ECS device. This behavior has now been resolved.

RET2 and PD functions unavailable when connected via LBUS only

Fixes an issue where RET2 (Return 2) and PD (Push-to-Talk) commands from the lens control panel did not function when the LLA-1 Control Module was connected only via LBUS to the camera. With this fix, RET2 and PD commands are now properly recognized and executed when operating via LBUS.