





## Legal Notes

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Original version.

## Overview

We are pleased to announce the release of the Software Update Package (SUP) 1.2.20 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.

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

### New Features

- Exposure Compensation (Zoom)

### Bug Fixes

- Fixed replugging of hand control units (e.g. Canon ZDJ-S01 and Canon FDJ-S01)
- Bypass the iris sensitivity control of box lenses
- Command the iris to fully open on bootup of box lenses

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## General

### New Features

#### Exposure Compensation (Zoom)

With this update, the LLA-1 Control Module now fully supports automatic exposure compensation for compatible box zoom lenses. The camera automatically adjusts the Exposure Index to offset optical light loss during zooming, ensuring consistent image brightness and depth of field. This feature can be enabled/disabled in the camera menu and the Remote Control Panel.

Note: The Exposure Compensation (Zoom) feature requires a minimum of SUP 6.0 running on the Alexa 35.

### Bug Fixes

This particular SUP 1.2.20 Software Update Package includes the following bug fixes:

#### Hand control units not hot pluggable

Fixed: hand control unit hot plugging support for LLA-1. Zoom and focus controls now remain functional after reconnecting the controller without needing a system reboot (e.g. Canon ZDJ-S01 and Canon FDJ-S01).

#### Adjusting the iris gain on a box lens reduced aperture responsiveness

Fixed: Iris sensitivity control (gain adjustment) on the lens is now bypassed.

#### Box lens initialized with a closed iris when controlled via RCP

Fixed: The iris is now commanded to fully open during box lens startup

## Update Procedure

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

[Software Update Packages for Live Production System and Multicam Accessories](#)

Download the latest Software Update Package to your computer.

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

#### To Prepare the USB Medium

Copy the LLA-1 Software Update Package to a USB-C medium in folder ARRI/ECS/

#### To Perform the Update

1. Connect the LLA-1 Control Module to the camera's LBUS connector through an LBUS cable
2. Connect camera to a stable power source (e.g. AC power supply and on-board battery)
3. Connect the USB-C medium to the camera
4. In the camera menu, select *MENU > System > Update > LBUS*
5. Select the LLA-1 as LBUS device and push the jog wheel – a confirmation screen is shown.
6. Push CONFIRM to start the update
7. Select the correct Software Update Package. Push the two UPDATE soft buttons at the same time 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-C medium during the update!**

### Update with Hi-5 through USB

You can update the LLA-1 Control Module software using a USB-A or USB-C medium.

The USB-A port is located below the display on the bottom of the Hi-5. It is covered by a plastic cap. Push the release pin to open the cover. The USB-C port is located above the display on the top side of the Hi-5. It is covered by a rubber cap. Lift and turn the rubber cap gently to access the USB-C port.

#### 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.

#### To Prepare the USB Medium

Copy the LLA-1 Software Update Package to a USB medium in folder ARRI/ECS/

#### To Perform the Update

1. Connect the LLA-1 Control Module to the Hi-5 through an LBUS cable
2. Connect the LLA-1 Control Module to a power source
3. Energize the Hi-5
4. Insert the USB medium in the correct USB port of the Hi-5
5. Enter the settings menu. Select *System > Update > LBUS Device Update*
6. Select the LLA-1 Control Module as LBUS device
7. Select the correct Software Update Package. Push 'select' to start the update

**Caution: The update process takes several seconds. Do not remove the USB medium. Do not de-energize the Hi-5 during the update!**

## Update with Hi-5 through ECS Sync App

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

### To Perform the Update

1. Connect the LLA-1 Control Module to the Hi-5 through an LBUS cable
2. Connect LLA-1 Control Module to a power source
3. Make sure that Bluetooth is active on the Hi-5. Select *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. Select *ARRI DEVICE > LLA-1 Control Module xxxxx > Update to the latest SUP*

**Caution: Caution: Do not leave the app during the update!**

## Update with WCU-4

### Precautions

During the update, supply the LLA-1 Control Module with >12 V DC, 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.

### To Prepare 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 to the root folder of the SD/SDHC card.

### To Perform the Update

1. Connect WCU-4 and the LLA-1 Control Module through an LCS to LBUS cable (K2.0007318 or K2.0013044)
2. Connect the LLA-1 Control Module to a 12 V power source (e.g. with K2.0006758 Cable LBUS to D-Tap)
3. Energize the WCU-4
4. Insert the SD card into the SD card slot of the WCU-4
5. Select *MENU > FIRMWARE > LBUS Update*
6. Select the LLA-1 Control Module as LBUS device
7. Select the correct Software Update Package. Push the two UPDATE soft buttons at the same time to start the update

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

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