

LCUBE CUB-2 SUP 1.2.1

Software Update Package lcube_cub-2-1.2.1_r11384

RELEASE NOTES

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A. Introduction

We herewith announce the release of Software Update Package (SUP) 1.2.1 for the LCUBE CUB-2. This release adds analog iris control for various broadcast third-party cameras and lenses.

We highly recommend updating the LCUBE CUB-2 to this Software Update Package. Please take your time to go through this document before you start using the LCUBE CUB-2. For more information, please visit

<https://www.arri.com/en/technical-service/firmware/software-updates-ecs/>

B. Update Instructions

How to get a Software Update Package

Go to the ARRI website <https://www.arri.com/en/technical-service/firmware/software-updates-ecs/> and download the latest Software Update Package (SUP) for the LCUBE CUB-2.

LCUBE CUB-2 Update Procedure

The CUB-2 can be updated from external devices through its LBUS interface. The following devices provide update functionalities for CUB-2:

- ARRI Wireless Compact Unit WCU-4
- ARRI Active Motor Controller AMC-1
- ARRI Universal Motor Controller UMC-4
- ALEXA Mini, ALEXA Mini LF
- cmotion compact hand unit
- cmotion cworld

Update with WCU-4

Precautions

For updating LCUBE CUB-2 a voltage of 12V and above is required. Make sure the power supply of the WCU-4 is stable. The best way to achieve this is by using a fully charged battery.

Preparing the SD Card

Have a FAT16 or FAT32 formatted SD/SDHC card up to 32GB for updating. Copy the CUB-2 Software Update Package into the root folder of the SD/SDHC card.

Performing the Update

- (1) Connect WCU-4 and CUB-2 with Cable LCS – LBUS (K2.0007318 or K2.0013044).
- (2) Turn the WCU-4 on.
- (3) Insert the SD card into the SD card slot of the WCU-4. The slot is located below the display on the bottom of the WCU-4, covered by a rubber cap.
- (4) Go to MENU > FIRMWARE > LBUS Update.
- (5) Select the CUB-2 as LBUS device.
- (6) Choose the desired Software Update Package and then press the two UPDATE soft buttons simultaneously to start the update.

Caution: Do not switch off the WCU-4, unplug the LBUS cable or remove the SD card during the update!

The update process takes several seconds.

Update with UMC-4

Precautions

Have the UMC-4 running with stable power source during the update

Preparing the SD Card

Have a FAT16 or FAT32 formatted SD/SDHC card up to 32GB for updating. Copy the LCUBE CUB-2 Software Update Package into the root folder of the SD/SDHC card.

Performing the Update

- (1) Connect UMC-4 and CUB-2 via LCS – LBUS cable (K2.0007318 or K2.0013044).
- (2) Turn the UMC-4 on.
- (3) Insert the SD card into the SD card slot of the UMC-4. The slot is located on the bottom side of the UMC-4, covered by a rubber cap.
- (4) Go to MENU > FIRMWARE > LBUS Device Update.
- (5) Select the CUB-2 as LBUS device.
- (6) Choose the desired Software Update Package and then press the two UPDATE soft buttons simultaneously to start the update.

Caution: Do not switch off the UMC-4, unplug the LBUS cable or remove the SD card during the update!

The update process takes several seconds.

Update with AMC-1

Precautions

Have the AMC-1 running with stable power source during the update

Preparing the SD Card

Have a FAT16 or FAT32 formatted SD/SDHC card up to 32GB for updating. Copy the LCUBE CUB-2 Software Update Package into the root folder of the SD/SDHC card.

Performing the Update

- (1) Connect AMC-1 and CUB-2 via LCS – LBUS cable (K2.0007318 or K2.0013044).
- (2) Turn the AMC-1 on.
- (3) Insert the SD card into the SD card slot of the AMC-4. The slot is located on the bottom side of the AMC-1, covered by a rubber cap.
- (4) Go to MENU > FIRMWARE > LBUS Device Update.
- (5) Select the CUB-2 as LBUS device.
- (6) Choose the desired Software Update Package and then press the two UPDATE soft buttons simultaneously to start the update.

Caution: Do not switch off the AMC-1, unplug the LBUS cable or remove the SD card during the update!

The update process takes several seconds.

Update with ALEXA Mini and ALEXA Mini LF (PL and LPL Lens Mount with LBUS Connector)

Precautions

Have the ALEXA Mini or ALEXA Mini LF running with stable power source during the update

Preparing the SD Card

Copy the LCUBE CUB-2 Software Update Package onto a FAT16 or FAT32 formatted USB memory stick in folder ARRI/ECS/ for ALEXA Mini or onto a FAT16 or FAT32 formatted SD/SDHC card in folder ARRI/ECS/ for ALEXA LF.

Performing the Update

- (1) Connect ALEXA Mini or ALEXA Mini LF (LBUS connector on PL lens mount) and the LCUBE CUB-2 via LBUS cable.
- (2) Connect ALEXA Mini or ALEXA Mini LF to a stable power source (e.g. AC power supply and on-board battery).
- (3) Connect the USB stick to ALEXA Mini or the SD/SDHC card to ALEXA Mini LF.
- (4) In the ALEXA Mini or ALEXA Mini LF menu, go to MENU > System > Update > LBUS.
- (5) Select the LCUBE CUB-2 as LBUS device and press the jog wheel. A confirmation screen is displayed. Press CONFIRM to start the update.
- (6) Choose the desired Software Update Package and then press the two UPDATE soft buttons simultaneously to start the update.

Caution: Do not remove the USB stick during the update!

The update process takes several seconds.

C. New Features

Support of analog iris signals

The LCUBE CUB-2 is a miniature signal converter that integrates the 12 pin Hirose ENG protocol into the LBUS ecosystem. This Software Update Package enables the CUB-2 to loop-through analog iris signals from the camera to the lens, making it an essential part when integrating third-party broadcast camera systems into the LBUS world, e.g. on an SRH-3 remote head.

Note that you need the following cable to connect CUB-2 with the Hirose lens connector:

Cable LENS/ENG (12p) - Hi (12p) analog K2.0022328

The 12 pin Hirose cable can be connected to the Hirose lens connector on the AMIRA/ALEXA Mini PL LDS Lens Mount, the B4 Lens Mount and third-party cameras. It supports analog iris signals from third-party cameras and enables camera auto-iris function while using Master Grips for focus and zoom.