

UMC-4 SUP 2.1

Software Update Package UMC4-2.1_2556

RELEASE NOTES

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A. Introduction

We herewith announce the release of Software Update Package (SUP) 2.1 for the Universal Motor Controller UMC-4. We highly recommend updating the UMC-4 to this Software Update Package. Please take your time to go through this document before you start using the UMC-4. For more information, please visit <https://www.arri.com/en/technical-service/firmware/software-updates-ecs/>

New features & overview of changes introduced with SUP 2.1

- 6 additional radio channels (14 in total)
- Support of override function
- Lens Files for Signature Primes in LDA
- cforce mini RF support in client mode
- Several minor improvements and bug fixes

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/software-update-for-umc-4> and download the latest Software Update Package (SUP) for the UMC-4.

UMC-4 update procedure

Precautions

Make sure the power supply of the UMC-4 is stable.

Preparing the SD Card

Copy the Software Update Package file onto a FAT16 or FAT32 formatted SD-Card. SD and SDHC cards are supported.

Performing the Update

- (1) Insert the SD card into the SD card slot of the UMC-4.
- (2) Select *Menu>System>Firmware Update* and navigate to the update package on the SD card.
- (3) Select the package. A list of modules will be shown on the screen.
- (4) Press UPDATE. A new warning screen will be displayed. Proceed by simultaneously pressing the two UPDATE buttons. The screen will blackout and the status LED will start blinking red and green. The unit is being updated. This can take up to 30 seconds.
- (5) The UMC-4 will reboot after the update is completed. Depending on the update package content, additional modules might need to be updated after reboot; this is done automatically and is clearly indicated on the screen of the device. The second phase of the update procedure may take several minutes.

Caution: Do not switch off power and do not remove the SD card during the update as this may damage the UMC-4!

In case of any update-related issues, please contact the ARRI Service.

C. New Features and Changes

Six additional Radio Channels

The UMC-4 now offers 14 (0-13) instead of 8 radio channels to choose from. Those additional channels are currently supported by the ALEXA LF, ALEXA Mini LF camera, the cforce mini RF motor, the Single Motor Controller SMC-1, the Wireless Compact Unit WCU-4 and the Single Axis Unit SXU-1.

Support of override function

This software update supports the override function triggered by the Operator Control OCU-1 or the Master Grips (SUP 2.0). The override function enables operators to override and return focus, iris or zoom at the touch of a button.

Lens files for Signature Primes in LDA

The UMC-4 Lens Data Archive now includes the category "ARRI Signature Primes", containing all lens files for Signature Primes.

cforce mini RF support

The UMC-4 now supports the cforce mini RF lens motor in client mode.

D. Bug Fixes

IRIS Limits scale to slider offset

Fixed an issue where iris slider limits and scale are offset to iris limits set on the Master Grips when using LDS lenses.

Stuttering cforce mini RF motor in client mode

Fixed an issue of a stuttering motor with no fluent movement when the motor in client mode is connected to the ALEXA Mini LBUS mount. This issue happened on all motor controllers also on the UMC-4.

Blank screen at start-up

Solved a bug where the UMC-4 showed a blank screen at start-up when an SD Card containing a very large amount of files was inserted in the card slot.

E. Known Issues

Inaccuracy while controlling EF lenses

Wireless remote control of EF lenses on AMIRA is supported by the UMC-4, but the accuracy of set focus marks is getting lost when turning the focus ring.

Focus distance unit from LDS lens cannot be changed on UMC-4

When using the Universal Motor Controller UMC-4 with an ALEXA EV type camera or an AMIRA camera with LDS mount and LDS lens, the LDS lens data will automatically be used by the UMC-4 and displayed on the WCU-4 handset. However, it is not possible to change the focus scale unit (meter/feet) on the UMC-4 motor controller. This setting can be changed on the camera itself.

Lens data recording accuracy

Lens data from an ALEXA EV type camera with LDS mount can be transmitted to the UMC-4 via ALEXA EXT interface. Please note that the LDS values from an ALEXA camera are sent only once every 50ms and have considerable timing jitter. Therefore, they are not recorded frame accurately. We therefore recommend generating the lens data within the UMC-4 using the Lens Data Archive.

Missing data communication with AMIRA

Data communication between UMC-4 and AMIRA cameras will miss after power-cycling the UMC-4. Rebooting the camera will solve this issue. We are working on a fix for the next AMIRA SUP.

Pre-marked focus ring values not matching with non-LDS lenses

Pre-marked focus ring values can be set, but ring values aren't accurate if no focus scale is available. Therefore, we recommend avoiding the usage of a pre-marked focus ring in case of any lens that has no lens table (e.g. Cooke).