

# Camera Control Monitor CCM-1

Software Update Package (SUP) 6.3.1

## RELEASE NOTES

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## A. Introduction

This document describes the latest changes for the ARRI CCM-1 Software Update Package (SUP) 6.3.1. We recommend you take your time to go through these release notes, the known issues section of this document and the user manual before operating the device.

For more information on the monitor, please visit the [ARRI CCM-1](#) webpage.

### CCM-1 SUP 6.3.1 Changes overview

- **Support for SmallHD Monitor Overlay License for Hi-5 and Hi-5 SX**
- **User-configurable page transition speed (PageOS 6)**
- **“Backlight” controls renamed to “Luminance” (PageOS 6)**
- **Improvements to the Color Pipe UI (PageOS 6)**
- **Denser settings for crosshatch tool (PageOS 6)**
- **More granular control for Zebra thresholds (PageOS 6)**
- **Additional options for exposure assist tool (PageOS 6)**

This update is recommended for all CCM-1 monitors as it improves the overall user experience and is required to make use of the Monitor Overlay License for Hi-5 and Hi-5 SX. Note that a CCM-1 with an outdated SUP at some point may not be able to connect to a camera for control until it has been updated.

### Updating the monitor

This SUP can be installed on all CCM-1 monitors.

### Downdating the monitor

It is possible to install a previous SUP on all CCM-1 monitors.

### Software Compatibility

- The CCM-1 running SUP 6.3.1 is compatible with ALEXA 35 SUP 6.0.2 and ALEXA Mini LF SUP 7.3.2.
- The CCM-1 offers a limited set of controls for ALEXA Mini and AMIRA when connected via CCM-1 Ethernet Adapter (K2.0048980).

## B. New Features

### Support for SmallHD Monitor Overlay License for Hi-5 and Hi-5 SX



The SmallHD Monitor Overlay License for Hi-5/Hi-5 SX delivers clear and customizable information about focus, iris, and distance directly onto the focus puller's monitor. Designed to adapt to individual working styles, the overlay offers flexible positioning, scalable display elements, and seamless multi-page workflows.

The features in short:

- Display personalized, configurable lens data on the focus puller's monitor
- Sync/decouple focus scale magnification between Hi-5 and external monitor
- Multi-page overlays and savable setups for different shooting scenarios

For more information, please check out our Tech Talk video on the Hi-5 webpage at <https://www.arri.com/en/camera-systems/electronic-control-system/hi-5>

## C. Known Issues

### HOME/LIVE screen

#### **ARRICORE not recognized**

When the recording codec was set to "ARRICORE" on the ALEXA 35 Xtreme, the home screen shows "Codec - N/A". This has no effect on the recorded camera files.

#### **Auto White Balance Area not indicated**

When executing Auto White Balance the measured area is not indicated on the CCM-1. Measurements will be taken in the center area of the image which is correctly indicated on SDI or MVF-2.

#### **Calculated Prerecording duration not shown**

The calculated Prerecording duration is not shown on the Home screen of the CCM-1. It is visible in the camera menu.

#### **Low remaining recording time**

The CCM-1 does not flash the recording time in white/orange when the remaining time gets low.

#### **Missing home screen symbols**

Currently not all home screen symbols that are present on the MVF-2 are displayed on the CCM-1.

#### **Sensor overdrive and fps cannot be selected**

The CCM-1 currently does not allow you to enable sensor overdrive and higher FPS settings on an ALEXA 35 Xtreme. This function currently can only be activated from the MVF-2 or the web remote.

#### **Sensor mode and Recording resolution display inconsistency**

Certain sensor and recording modes are shown with the wrong name on the CCM-1 home screen (3.8K 16:9, 3.8K 2.39:1, 3:3K 6:5). This has no effect on the recorded camera files.

#### **Time code menu**

The CCM-1 time code menu is missing FreeRun + REGEN TC, while offering an invalid REC RUN + JAM SYNC as option.

#### **User Buttons with smallHD functions are not labelled in camera**

Currently User Buttons assigned with smallHD functions are not labelled in camera and display 'Off/Monitor Function' instead. Please refer to the CCM-1 Home screen to see the assignments.

#### **VF2 User Button issues**

Assigning CCM-1 user buttons from the camera while the monitor is connected to the VF2 connector, they are shown as N/A if the monitor on the CCM-1 home screen. The CCM-1 Monitor Settings then no longer allow changing any assignments.

#### **User Button assignment not shown if monitor was not connected when it changed**

If the assignment of a CCM-1 user button is changed while the monitor was disconnected, the setting is not applied when the monitor is re-connected. Keep the monitor connected or reboot the camera to resolve this issue.

### General topics

#### **Clip naming padded on ALEXA Mini LF**

Due to longer Clip names on ALEXA 35 the Cliplist when using ALEXA Mini LF contains some padding at the end of the Filename. Those extra characters can be ignored.

#### **HOME + LIVE page missing**

Following a CCM-1 factory reset, the default pages should be HOME + LIVE Page, but LIVE is missing, requiring a monitor restart.

#### **WiFi QR Code scan not supported on CCM-1**

Scanning WiFi QR codes is not supported on the CCM-1. Enter the network information manually or using an MVF-2.

### PLAY screen

#### **Entering and exiting Playback via User Button requires long press**

Entering and exiting Playback mode using an assigned User Button requires a long press although this is not indicated on the CCM-1.

#### **Not possible to shuttle single frames**

Currently in paused playback mode it is not possible to shuttle single frames on the CCM-1. Use the Camera Side Display click wheel for that function.

#### **During 'Check last clip' playback options are shown**

During the 'Check last clip' function playback options are shown. If these are modified playback may not resume as expected. Exit and re-enter playback mode in this case.

## D. Update Procedure

Make sure not to power off the monitor during an update! After the update process finished, the monitor will switch off automatically.

Unlike an MVF-2, the CCM-1 will not be updated automatically when it is connected to the camera. The CCM-1 software is updated from a USB memory stick and the update is started from the CCM-1 menu.

### Monitor Update Procedure

- Download the Software Update Package in the [Software Update Packages download section](https://www.arri.com/en/technical-service/firmware/overview-of-all-current-software-update-packages) at <https://www.arri.com/en/technical-service/firmware/overview-of-all-current-software-update-packages>
- Unpack the downloaded zip archive to get the update file named smallhd5-<VERSION>-update.bin.
- To install the update file, you will need a USB-C flash drive, formatted as FAT32.
- The update file must be stored in the base directory of the USB drive.
- Make sure the CCM-1 is connected to a camera with a power supply (best) or the camera is powered with a full battery to avoid power loss during the update process!
- During the update, the CCM-1 should only be connected to the power cable. The VF cable should be disconnected.
- With the USB drive inserted into the CCM-1 USB-C port, you need to enter the CCM-1 Menu and navigate to *Firmware > Update*.
- Selecting the update file from the list and then entering INSTALL and then CONFIRM will start the update process.
- Please do not shutdown the monitor or unplug power while the device is updating!  
The monitor should reboot by itself when the update is done.
- Following the update, you need to adjust the time zone in *Menu > System > System Time & Date*.