

# Operator Control Unit OCU-1 SUP 2.0

Software Update Package 2.0.0:315

RELEASE NOTES

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## A. Introduction

We are proud to announce the Operator Control Unit OCU-1 with the initial release version Software Update Package (SUP) 2.0. Please take your time to go through this document before you start using the OCU-1. For more information, please visit <http://www.arri.com/camera/ecs/ocu1>

Note: The Operator Control Unit OCU-1 uses the same software as the ARRI Master Grips.

### Features of the Operator Control Unit OCU-1 with SUP 2.0

The ARRI Operator Control Unit OCU-1 is an addition to the WCU-4 lens control system, and enables operators to override and return focus, iris or zoom controls at the touch of a button.

This device gives camera operators full control of their lenses when they want it. The OCU-1 will help to save precious time while framing shots, as the camera operator will always have the ability to control the lens, even when motors are attached. With its override function the OCU-1 offers camera operators the possibility for adjustments when focus is slightly off and gives the focus puller an override indication on the WCU-4.

The OCU-1 is a simple, low-cost derivate of the Master Grip Wheel in a very convenient form factor. Hence the Override function will be available for the Master Grips as well.

The device enables control of EF lenses mounted on ALEXA Mini and AMIRA cameras without any additional external motors.

Fitting into a long ARRI tradition of innovation, the OCU-1 will improve on-set efficiency and control. It is small, lightweight, and easy to use, has the same control wheel, display and LBUS integration as the ARRI Master Grips, and with its flexible mounting options it can be easily mounted onto common 15mm or 19mm rods, ARRI Rosette, or 3/8" mounts. The wheel can also be used to control the roll axis of the ARRI Stabilized Remote Head SRH-3.

#### Main features

- Override function
  - Overrides focus, iris or zoom control from WCU-4
  - Saves precious time while framing shots
  - Offers adjustments when focus is slightly off
- EF lens control without additional external motors
- Small, solid and lightweight
  - Weight: 165 g / 5.84 oz
- Flexible mounting options
  - 3/8-16 mounting point, dovetail mounting interface, ARRI rosette bracket
- Three assignable user buttons
  - assignable as known from Master Grips

## B. Known Issues

This is a list of known issues for this particular SUP 2.0 Software Update Package.

### Water Interferes with Touch Function

Due to the mechanical construction, it's possible that some water remains in the corner of the display and interferes with the touchscreen function. Cleaning and storing the Grips in a dry, warm, environment solves the issue in most cases.

### Motor Limits Not Supported with ALEXA SXT

Motor limits set on an OCU-1 are not supported with ALEXA SXT.

### **Override Not Working After WCU-4 Calibration**

The override function will occasionally not work after triggering calibration from the WCU-4 handset on ALEXA Mini. Reconnecting the OCU-1 with ALEXA Mini will solve the issue.

### **Motor Calibration Not Working**

Triggering calibration of lens motors from the OCU-1 menu will occasionally not work after triggering calibration from the WCU-4 handset on ALEXA Mini. Reconnecting the OCU-1 with ALEXA Mini will solve the issue.

### **EF Iris Limits Not Synchronized with ALEXA Mini Camera**

Iris limits for an EF lens set on an OCU-1 will not apply to the slider of a WCU-4 hand unit (with OCU-1 and WCU-4 connected to ALEXA Mini camera).

### **Toggling Override Can Cause Slow Lens Motor Movement**

Switching the override mode on and off sequentially without using the WCU-4 in between can cause the respective lens motor to start moving slowly (ramp).

### **Motor Limits Not Supported with ALEXA SXT**

Motor limits set on OCU-1 are not supported with ALEXA SXT.

### **Update on Daisy-Chain Can Cause Error**

Updating an OCU-1 through a daisy-chain of LBUS-devices can cause a CRC update error. To prevent this issue, connect the OCU-1 directly to the updating device.

### **Limiting Range Re-scales Input Range**

When setting a limit, the motor will jump to the new, re-scaled position. When clearing a limit, the motor will jump to the next end stop.

### **Multiple Camera Interfaces in Parallel**

Using multiple control devices such as OCU-1 on ALEXA Mini's EXT and LBUS interfaces in parallel may result in not gaining control with one or more of those devices. Connect OCU-1 to either EXT or LBUS interface.

### **Inverted Scale Movement**

The motor position indicator on the OCU-1 screen may move to the opposite direction of the rocker/wheel, depending on the motor mounting side. The issue can be solved by inverting the direction of the input device