

SRH-3 SUP 2.3

Software Update Package: SRH-3 Firmware Update V 2.3.zip

RELEASE NOTE

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A. Introduction

We are proud to announce the release of Software Update Package **SUP 2.3** for the SRH-3 stabilized remote head and remote control.

NOTE

We highly recommend updating the SRH-3 system to this new Software Update Package:

<https://www.arri.com/en/technical-service/firmware/software-updates-css/software-update-srh-3>

New features & overview of changes introduced with SUP 2.3

- Fundamental improvements in the support of the LCUBE CUB-2
- Support of analog and digital lens protocols
- Simplified integration of broadcast lenses in the LBUS workflow via the LCUBE CUB-2
- Improved performance for selected Canon and Fujinon broadcast lenses

B. Update Instructions

How to get a Software Update Package

The **SUP 2.3** can only be done securely with a PC, or a Mac with Parallels with Windows 8 and 10.

You can find the Software Update Package (SUP) in the SRH-3 downloads section:

<https://www.arri.com/en/technical-service/firmware/software-updates-css/software-update-srh-3>

Download the latest **SRH-3 Firmware Update V 2.3.zip**

NOTE

If this your first update, you need to download the Driver **MSR ST Virtual COM Port driver V**. Uncompress both zip files into a newly created folder.

NOTE

You may need to install the **MSR ST Virtual COM Port driver V** as **Administrator** before you can use the updater.

NOTE

Reboot the PC after **MSR ST Virtual COM Port driver V** has been installed.

SRH-3 Update Procedure

NOTE

During the update, the SRH-3 remote control panel **must not** be connected to the SRH-3 remote head.

NOTE

The remote control panel as well as the remote head need to be independently powered during the update.

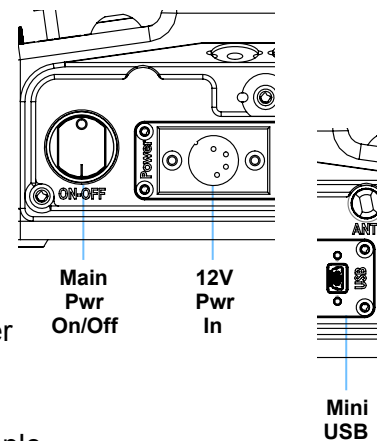
Warning

After the update has been started, it must not be interrupted.

Any interruption of the update (e.g. power loss, cable break, killing of the update application, ...) can leave the device with a broken/partial firmware and it won't be usable anymore until it is reinstalled by an authorized service centre again.

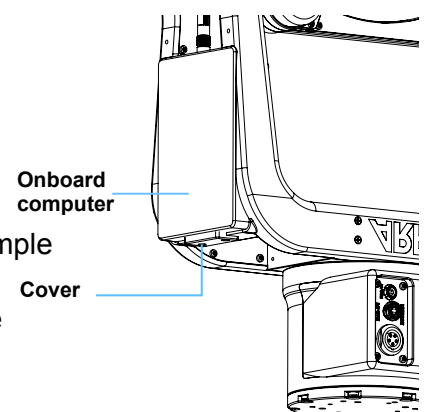
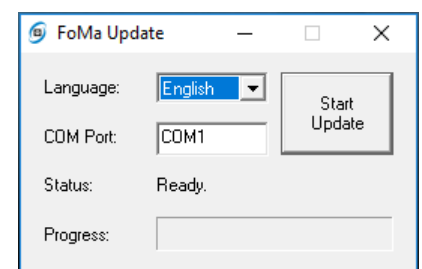
1. Updating the Remote Control

- Download the zip file
- Copy zip file into a new folder named SRH-3 SUP2.3
- Unpack the zip file
- Start **FoMa Update.exe**
- Supply the remote control panel via 4pin XLR with 12Volt power
- Switch on the remote control panel
- Connect a Mini USB cable with the USB socket at the back of the remote control panel and with the USB port of the computer
- The update program starts with COM1.
- If the remote control panel can not be found, place the cursor in the COM Port field and manually **change** it to **COM 3** for example
- Start the update
- After the update has been completed, disconnect the USB cable
- Switch OFF the remote control panel



2. Updating the Remote Head

- Remove any camera setup from the SRH-3 remote head
- Remove the cover plate at the bottom of the onboard computer
- Disengage the tilt axis lock, if it is in the locked position
- Ensure that the emergency knob is not activated
- Connect the remote head with an adequate 24V power supply
- Connect a Mini USB cable with the USB socket at the remote head and with the USB port of the computer.
- Start "FoMa Update.exe"
- The update program starts with COM1.
- If the remote control can not be found, place the cursor in the COM Port field and manually **change** it to **COM 3** for example
- Start the update
- After the update has been completed, disconnect the USB cable
- Disconnect the remote head from the power supply



3. Status after the update

After the update the **Remote Control** will show following status:

CCPU V 02.03.20

KCPU V 02.03.20

LCPU V 02.03.02

RCPU N/A

WCPU V 01.14.00

After the update the **Remote Head** will show following status:

CCPU V 02.03.20

KCPU V 02.03.20

LCPU N/A

RCPU N/A

WCPU V 01.14.00

C. New Features

To enable safe and convenient use of broadcast lenses in the ARRI LBUS workflow, we have dedicated the SUP-2.3 exclusively to the LCUBE CUB-2 and the entire LBUS workflow. All listed functions and lenses were tested in a 12-hour test and had to pass an ARRI AMIRA, a SONY and a Grass Valley workflow.

Fundamental improvements in the support of the LCUBE CUB-2

SUP 2.3 has been perfectly adapted to the latest LCUBE CUB-2 SUP 1.2.1 in order to guarantee smooth communication between the LCUBE CUB-2 and the internal FIZ controllers of the SRH-3 remote control panel, the Master Grips and the OCU-1.

Support of analog and digital lens protocols

Broadcast lenses are controlled either via digital lens protocols, such as AMIRA and SONY, or via analog lens protocols, such as at Grass Valley. SUP 2.3 now masters both lens protocols.

Simplified integration of broadcast lenses in the LBUS workflow via the LCUBE CUB-2

With SUP 2.3, all LBUS components and the broadcast lens can be plugged together without having to pay attention to a special order.

Improved performance for selected Canon and Fujinon broadcast lenses

In general, Canon optics always worked very reliably in the LBUS workflow.

SUP 2.3 has increased reliability and performance even more.

Thanks to SUP 2.3, selected Fujinon lenses can now be controlled via the LCUBE CUB-2.

D. Supported and tested lenses

Canon

- HJ14x4,3BIASE
- CJ12ex4.3B IASE S
- HJ25ex7.6B

Fujinon

- HA22x7,3BERD-S1 / 7.3-161mm
- HA14x4.5 BERD-S1B

Test Setup

Setup A
Setting up SRH-3 Remote Head, Camera, Lens, LCUBE CUB-2, LBUS, SRH-3 Remote Control
Switching On the entire system
Focus internal (RCP SRH-3)
Zoom internal (RCP SRH-3)
Iris internal (RCP SRH-3)
Tilt & Pan internal Joystick (RCP SRH-3)
Focus via Master Grip Focus
Zoom via Master Grip Zoom
Iris via RCP (Sony / Grass Valley / Skaarhoji)
Tilt & Pan via Digital Encoder Head DEH-1
Roll via SRH-3 Remote Control (RCP SRH-3)

Setup B
Camera, Lens, LCUBE CUB-2 and LBUS are mounted / SRH-3 Remote Head and RCP are ON
1. LBUS > LCUBE CUB-2 2. Hirose Optic > LCUBE CUB-2 3. LCUBE CUB-2 > Hirose Camera
1. Hirose Optic > LCUBE CUB-2 2. Hirose Camera > LCUBE CUB-2 3. LCUBE CUB-2 > LBUS
1. Hirose Camera > LCUBE CUB-2 2. LBUS > LCUBE CUB-2 3. Hirose Optic > LCUBE CUB-2
Focus internal (RCP SRH-3)
Zoom internal (RCP SRH-3)
Iris internal (RCP SRH-3)
Tilt & Pan internal Joystick (RCP SRH-3)
Focus via Master Grip Focus
Zoom via Master Grip Zoom
Iris via RCP (Sony / Grass Valley / Skaarhoji)
Tilt & Pan via Digital Encoder Head DEH-1
Roll via SRH-3 Remote Control (RCP SRH-3)

E. ERM New Features

Pairing / link information through the ERM display

The link number of each ERM is being displayed within its display now.
Each ERM communicates with the second ERM that uses the same link number.

Improved status information through the ERM display

While the initialization of the modem is in progress, an according status information is being displayed within the display of the ERM now.

F. Bugfixes

Several additional changes and improvements have been implemented.