

CSS EVO SUP 3.0.10

Software Update Packages:

FoMa_Systems_CSS_Update_A03.0.100.00_windows_os.exe

FoMa_Systems_CSS_Update_A03.0.100.00.app.tar

RELEASE NOTE

For:

360 EVO Stabilized Remote Head
RCP-2 EVO

Date: Sept 2024



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A. New features & overview of changes introduced with SUP 3.0.10

The new CSS EVO GUI 3.0.10 offers a standardized operating concept for easy programming and adaptation of the EVO 360 to the shooting conditions and personal working methods and preferences.

A clear architecture with a flat hierarchical structure allows quick access to the parameters and functions of the 360 EVO without having to maneuver deep into nested menu structures. In addition to the controller of the stabilized remote head, focus, iris and zoom, as well as other functions, can not only be parameterized, but also grouped into combined programs that can be called up again and again with precision.

The CSS EVO GUI 3.0.10 masters LBUS, FS CAN bus and network communication and is therefore ideally equipped for future work requirements and workflows.

Thanks to this uniform GUI for the 360 EVO, wishes and suggestions from two entirely different application areas can be creatively implemented in this architecture.

NOTICE

We highly recommend updating:

360 EVO Stabilized Remote Head
RCP-2 EVO

to this new Software Update Package.

B. Download Instructions

The **CSS EVO 3.0.10** software update is available for Mac and PCs.

360 EVO / RCP-2 EVO

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

C. 360 EVO Update Procedure

1.0 Technical Requirements

The software update can be done securely with an Apple M1 and M2 or Windows 10 computer.

NOTE for PC users only

If this is 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 for PC users only

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

NOTE for PC users only

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

ADVICE

The remote control panel as well as the remote head **must 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 center again.

2.0 Update Preparations

Power Supply

NOTICE

Please follow the instructions on the subject of power supply in the 360 EVO manual. Only a power supply that meets the requirements can ensure the flawless functioning of the remote control.

3.0.10 USB Cables

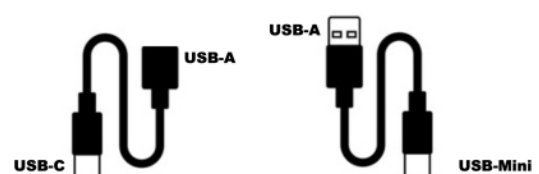
USB-A to USB-Mini

OK



USB-C to USB-A adapter
USB-A to USB-Mini

OK



4.0 Update Instructions Apple computers (M processors)

- Double-click the TAR file first.



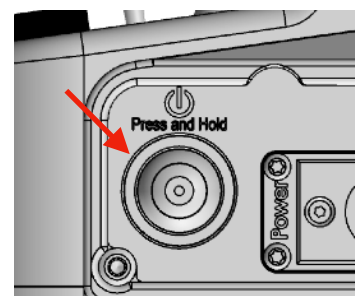
FoMa_Systems_CSS_Update_A03.00.00.app.tar

5.0 Updating the RCP-2 EVO

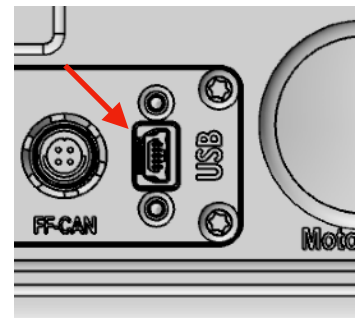
- Power **ON** the RCP-2 EVO

NOTICE

Make sure the 360 EVO remote head is **powered OFF** while the RCP-2 EVO is being updated.



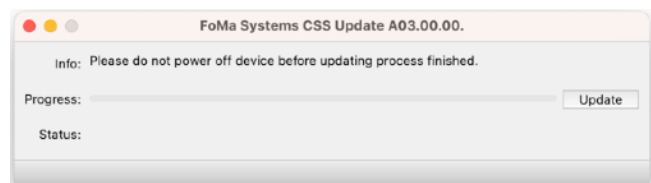
- Connect the USB-Mini Cable with the RCP-2 EVO



- Double-click to start the updater program.



- Click **Update** to start the upload process.



- Once the software file has been uploaded into the RCP-2 EVO, the RCP-2 EVO will reboot and a gray screen and the progress bar will appear.

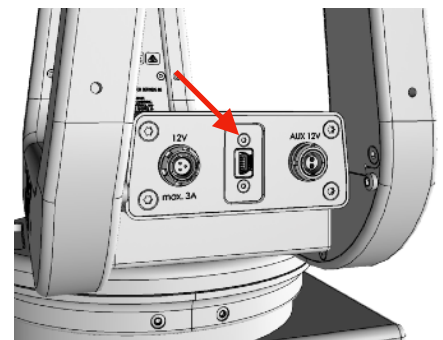
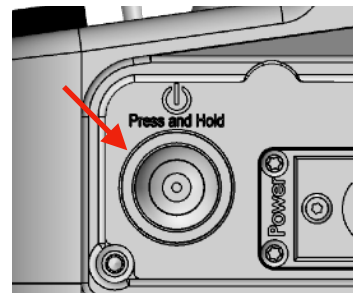


- After the software update has been successfully completed, the RCP-2 EVO restarts and the standard blue start screen is displayed.



6.0 Updating the 360 EVO Head

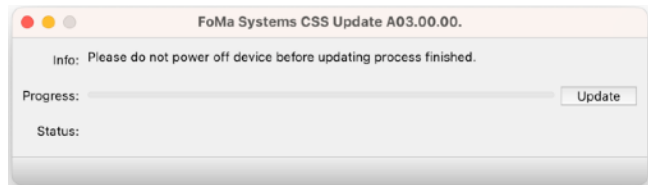
- **Switch OFF** or disconnect the **RCP-2 EVO** first!
- Remove any camera setup from the 360 EVO remote head.
- Disengage the tilt axis lock, if it is in the locked position.
- Connect the remote head with an adequate 24V power supply.
- Ensure that the emergency knob is **not activated**.
- Connect a Mini USB cable with the USB socket at the remote head and with the USB port of the computer.



- Double-click to start the updater program.



- Click **Update** to start the upload process.



- The update is now completed.

7.0 Final Check

- Now switch on the RCP-2 EVO and go to:
- Main Menu
- Software Status
- Make sure that the RCP-2 and the 360 EVO head got the same software status. (marked red)

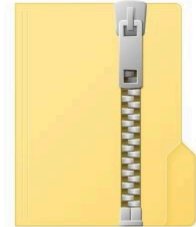
		Software Status	
		HEAD	REMOTE
FoMa S/N	360EVO#xxxxxxx	RCP2EVO#xxxxxxx	
ARRI S/N	K2.00XXXXX	K2.00XXXXX	
CCPU	A03.00.00	A03.00.00	
MCPU	V2.00.50	-	
LCPU	LCPU V03.0011	LCPU V03.0011	
RCPU	-	-	
BTU	v1.5	v1.5	<input checked="" type="checkbox"/>

8.0 Update Instructions Windows 10 / 11 Computers

- Double click the ZIP file.

ADVICE

You must extract the file ZIP first!

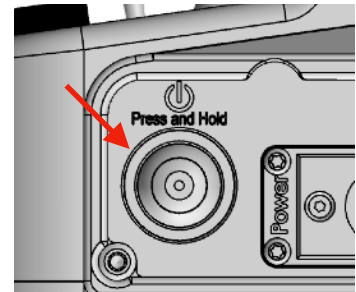


9.0 Updating the RCP-2 EVO

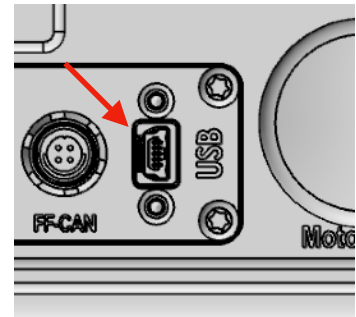
- Power **ON** the RCP-2 EVO

NOTICE

Make sure the 360 EVO remote head is **powered OFF** while the RCP-2 EVO is being updated.



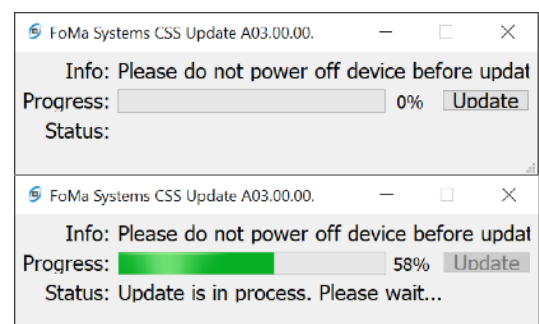
- Connect the USB-Mini Cable with the RCP-2 EVO.



- Double-click to start the updater program.



- Click **Update** to start the upload process.



- Once the software file has been uploaded into the RCP-2 EVO, the RCP-2 EVO will reboot and a gray screen and the progress bar will appear.

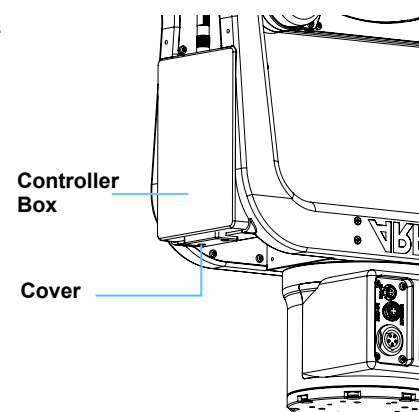
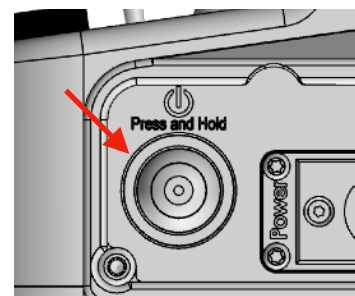


- After the software update has been successfully completed, the RCP-2 EVO restarts and the standard blue start screen is displayed.



10.0 Updating the 360 EVO Head

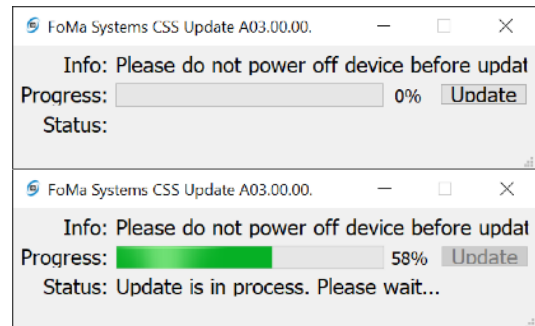
- **Switch OFF** or disconnect the **RCP-2 EVO** first!
- Remove any camera setup from the SRH-3 remote head.
- Disengage the tilt axis lock, if it is in the locked position.
- Connect the remote head with an adequate 24V power supply.
- Ensure that the emergency knob is not activated
- Remove the cover plate at the bottom of the controller box.
- Connect a Mini USB cable with the USB socket at the remote head and with the USB port of the computer.





- Double-click to start the updater program.

- Click **Update** to start the upload process.



11. Final Check

- Now switch on the RCP.
- Tap Main Menu
- Tap Software Status
- Make sure that the RCP and the head got the same software status. (marked red)

	HEAD	REMOTE
FoMa S/N	360EVO#xxxxxxx	RCP2EVO#xxxxxxx
ARRI S/N	K2.00XXXXX	K2.00XXXXX
CCPU	A03.00.10	A03.00.10
MCPU	V2.00.50	-
LCPU	LCPU V03.0011	LCPU V03.0011
RCPU	-	-
BTL	v1.5	v1.5

D. New Features / Bug Fixes

- Manual Drift Correction (360 EVO)
- Added profile switching by knobs (RCP-2 EVO)
- Added ratio settings in SPEED MODE RTP and FIZ (360 EVO)
- Improved Pan, Tilt, Roll hardware end-stops (360 EVO)
- Improved Pan, Tilt, Roll world related limits (360 EVO)
- Improved DRW-1 controller speed limit (360 EVO)
- Improved angle mode for Pan, Tilt, Roll and Focus Iris Zoom axes (360 EVO)
- Improved GYRO calibration process (360 EVO)
- Improved Joystick calibration process (360 EVO)
- Improved PID settings screen (360 EVO)
- Fixed: Calculation of factory limits so that no hardware limits are used as reference positions. This mistakenly limited the tilt pan range.
- Improved: Behavior of the Follow Mode during transition. Occasional slight jerking during acceleration has been fixed.
- Fixed: Unnecessary interruption of one of the three axes after a programmed movement has been carried out.
- Improved: General management of LBUS devices.
- Added: An new error message will appear if you try to execute an automatic movement that is restricted by limitations.

NOTICE

The limitations must first be deactivated.