

CSS EVO SUP 3.0

Software Update Packages:

FoMa_Systems_CSS_Update_A03.00.00_windows_os.exe

FoMa_Systems_CSS_Update_A03.00.00.app.tar

RELEASE NOTE

For:

TRINITY 2

TRINITY 2 plus Pan Axis Module

360 EVO Stabilized Remote Head

RCP-2 EVO

RCP-3

Date: August 2024



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A. New features & overview of changes introduced with SUP 3.0

Based on the architecture of the TRINITY 2 GUI and the valuable feedback from SRH-3, SRH-360, EVO 360 and TRINITY 2 users, the new CSS EVO GUI 3.0 has been developed. The new CSS EVO GUI 3.0 offers a standardized operating concept for easy programming and adaptation of the EVO 360, the TRINITY 2 and the TRINITY with the Pan Axis Module 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 and the TRINITY 2 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 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 and the TRINITY 2 system, wishes and suggestions from two entirely different application areas can be creatively implemented in this architecture.

NOTICE

We highly recommend updating:

TRINITY 2
TRINITY 2 plus Pan Axis Module
360 EVO Stabilized Remote Head
RCP-2 EVO
RCP-3
to this new Software Update Package.

B. Download Instructions

The **CSS EVO 3.0** software update is available for Mac and PCs.

TRINITY 2 / RCP-2

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

360 EVO / RECP-2 EVO

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

C. TRINITY 2 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.

WARNING

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

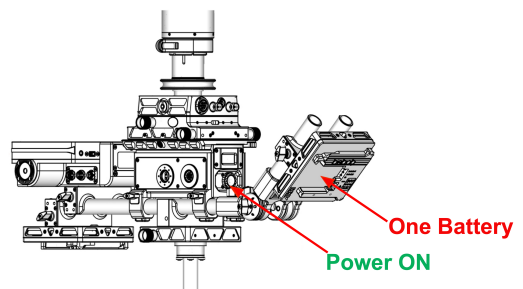
Any interruption of the update (e.g. power loss, cable break, killing of the update application, ...) can leave the device with a broken / partial firmware, and it won't be usable anymore until it is reinstalled by an authorized service center again.

2.0 Power Supply

NOTICE

Please follow the instructions on the subject of power supply in the TRINITY 2 manual.

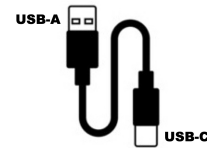
Only a power supply that meets the requirements can ensure the flawless functioning of the remote control.



3.0 USB Cables

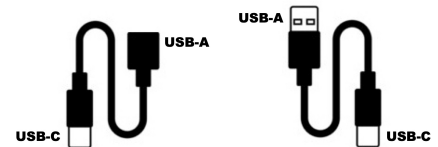
USB-A to USB-C

OK



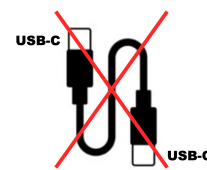
USB-C to USB-A adapter
USB-A to USB-C

OK



USB-C to USB-C

NOT
OK
due to
potential
overvoltage!

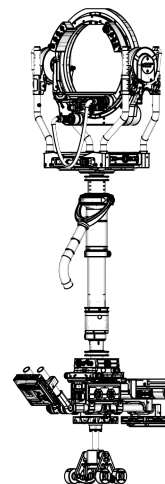


ADVICE

A direct USB-C to USB-C connection is incompatible in this software update application.

4.0 Update Preparations

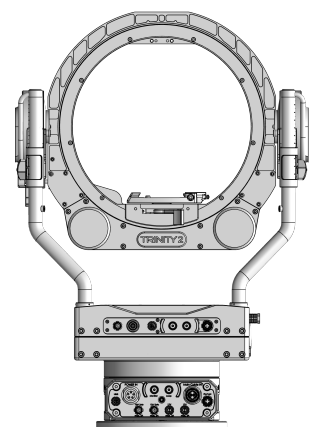
Park the fully prepared TRINITY 2 rig in the docking bracket.



4.1 TRINITY 2 Head with Pan Axis Module

ADVICE

If the Pan Axis Module is already mounted on the TRINITY 2 Head, the system **must be in the OVERSLUNG** position during the software update!

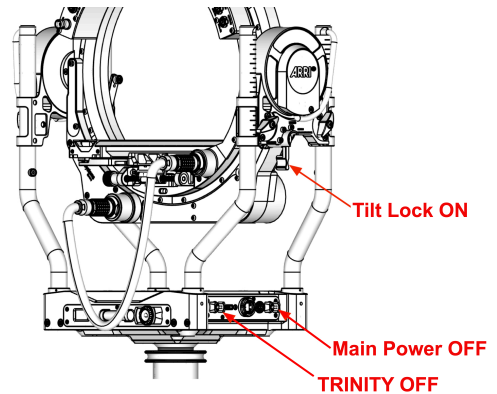


5.0 TRINITY Head

- Lock the Tilt Lock!
- **Switch OFF Main Power**
- Switch OFF TRINITY

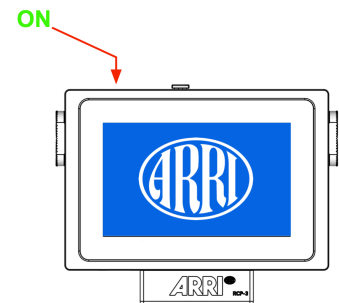
ADVICE

Make sure the **TRINITY 2 head** is **powered off** while the RCP-3 is being updated.

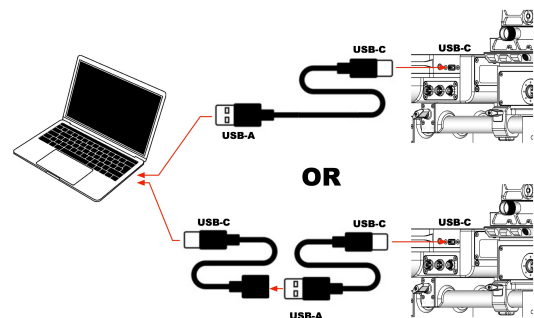


6.0 RCP-3 Update

- Switch **ON** the RCP-3.



- Connect the USB Cable to the RCP-3.



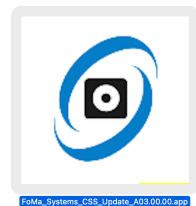
7.0 Update Instructions Apple computers (M processors)

- Double-click the TAR file first.

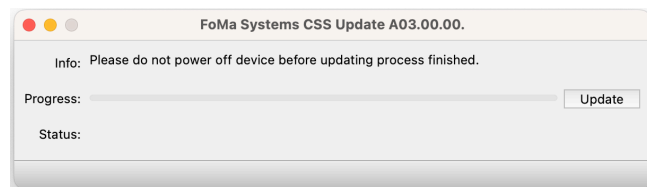


FoMa_Systems_CSS_Update_A03.00.00.app.tar

- Double-click to start the updater program.



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



- Once the software file has been uploaded into the RCP-3, the RCP-3 will reboot and a gray screen and the progress bar will appear.

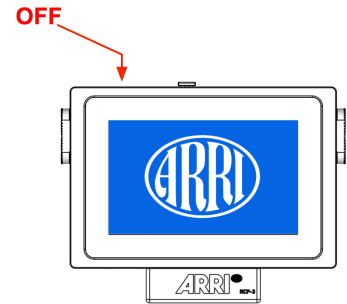


- After the software update has been successfully completed, the RCP-3 restarts and the standard blue start screen is displayed.



8.0 Updating the TRINITY 2 Head

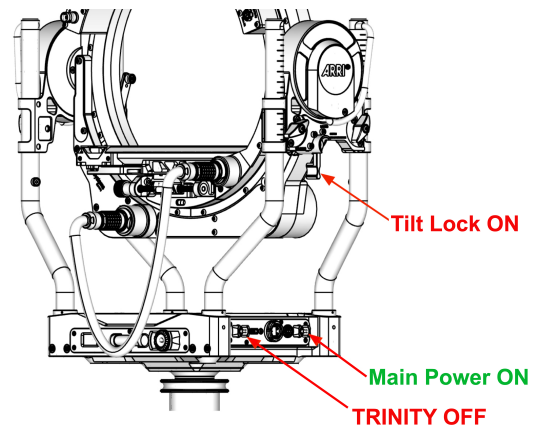
- Switch **OFF** the RCP-3 first!



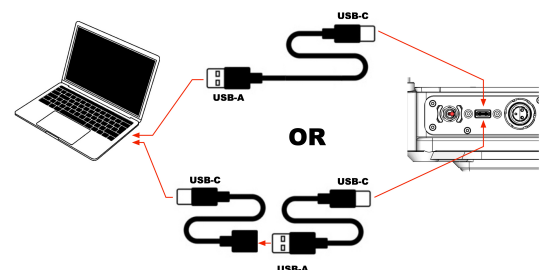
- Switch **ON** the TRINITY 2 Main Power only.

ADVICE

Keep the TRINITY stabilization switched OFF!



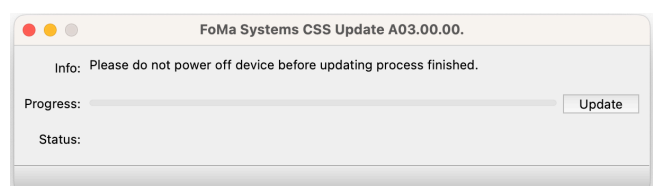
- Connect the USB cable to the TRINITY 2 head.



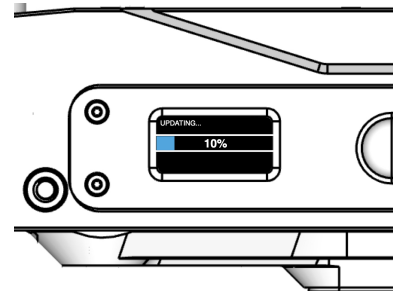
- Restart the updater program.



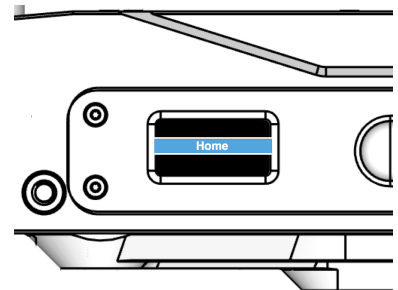
- Click **Update** to start the upload process.



- Once the software file has been uploaded into the TRINITY 2 head, the TRINITY 2 will reboot and the progress bar will appear in the display at the back.



- After the software update has been successfully completed, the TRINITY 2 head restarts and the standard start screen is displayed.



- The update is now completed.

9.0 Final Check

- Now switch on the RCP-3 and go to:
- Main Menu
- Software Status
- Make sure that the RCP-3 and the TRINITY 2 head got the same software status. (marked red)

			Software Status
	HEAD	REMOTE	
FoMa S/N	360EVO#xxxxxx	RCP2EVO#xxxxxx	
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	-	-	
BTL	v1.5	v1.5	✓

10. Update Instructions Windows 10 / 11 Computers

- Double-click the ZIP file.

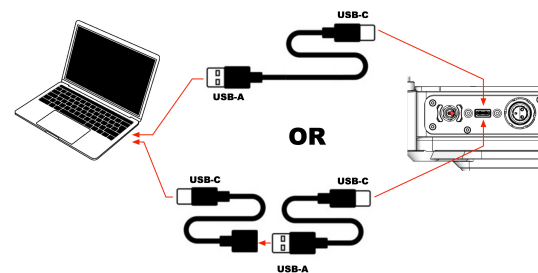
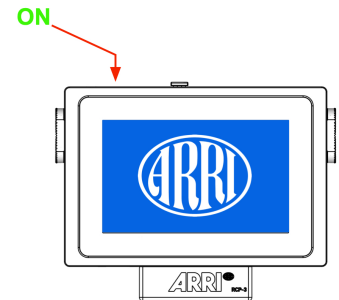
ADVICE

You must extract the file ZIP first!



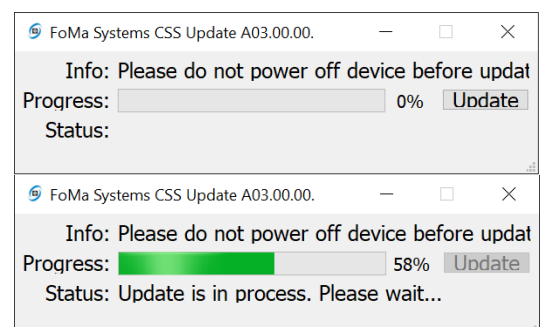
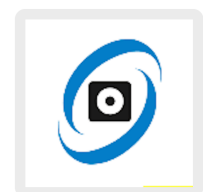
11.0 RCP-3 Update

- Switch **ON** the RCP-3.
- Connect the USB Cable to the RCP-3.



12.0 Update Program

- Double-click to start the updater program.
- Click **Update** to start the upload process.



- Once the software file has been uploaded into the RCP-3, the RCP-3 will reboot and a gray screen and the progress bar will appear.

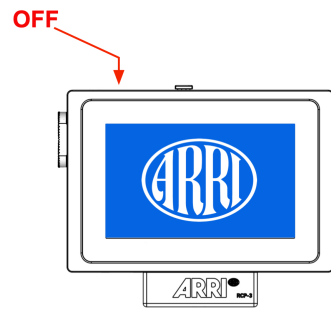


- After the software update has been successfully completed, the RCP-3 restarts and the standard blue start screen is displayed.



13.0 Updating the TRINITY 2 Head

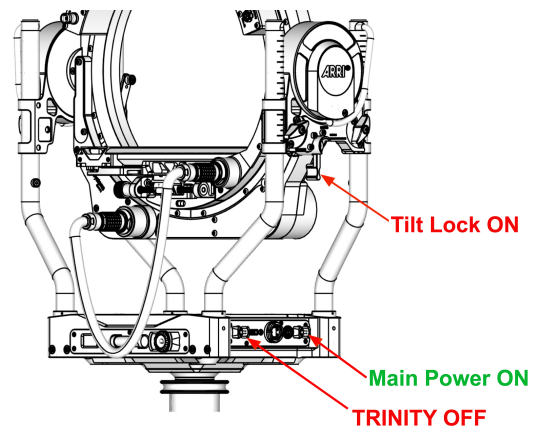
- Switch **OFF** the RCP-3 first!



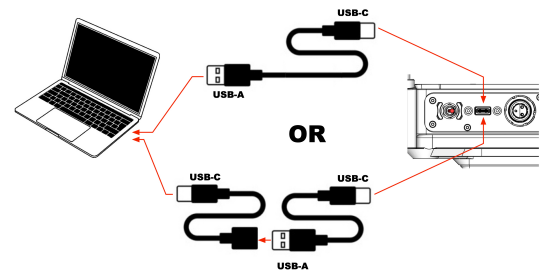
- Switch **ON** the TRINITY 2 **Main Power** only.

ADVICE

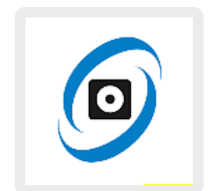
Keep the TRINITY stabilization switched OFF!



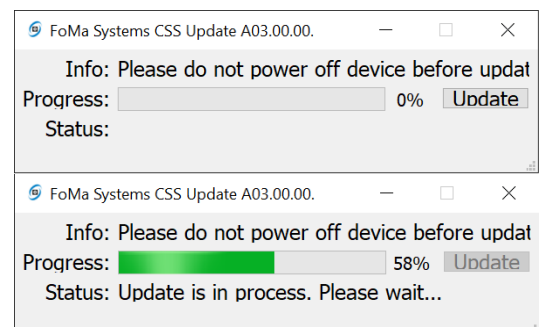
- Connect the USB cable to the TRINITY 2 head.



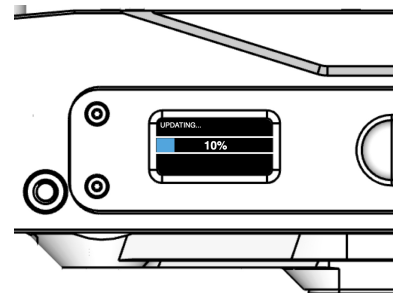
- Restart the updater program.



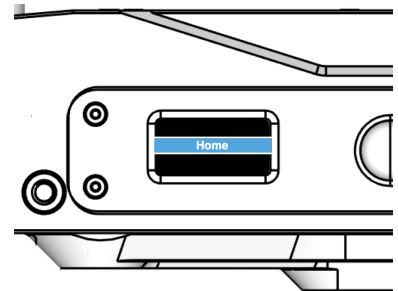
- Click **Update** to start the upload process.



- Once the software file has been uploaded into the TRINITY 2 head, the TRINITY 2 will reboot and the progress bar will appear in the display at the back.



- After the software update has been successfully completed, the TRINITY 2 head restarts and the standard start screen is displayed.



- The update is now completed.

14.0 Final Check

- Now switch on the RCP-3 and go to:
- Main Menu
- Software Status
- Make sure that the RCP-3 and the TRINITY 2 head got the same software status. (marked red)

			Software Status
	HEAD	REMOTE	
FORM S/N	360EVO#xxxxxx	RCP2EVO#xxxxxx	
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	-	-	
BTL	v1.5	v1.5	✓

D. 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 USB Cables

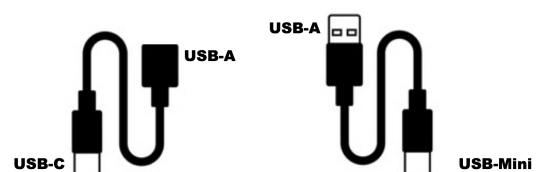
USB-A to USB-Mini

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.



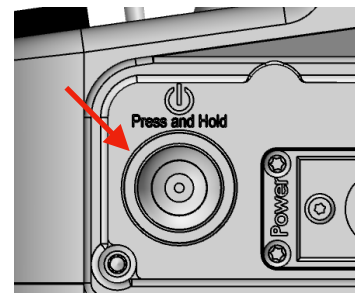
FoMa_Systems_CSS_Update_A03.00.00.app.tar

5.0 Updating the RCP-2 EVO

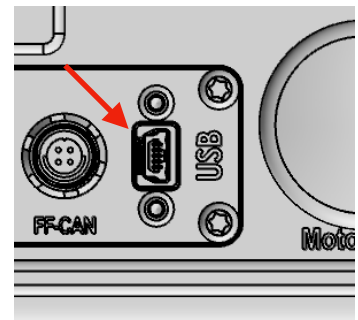
- Power **ON** the RCP-2 EVO

NOTICE

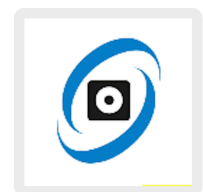
Make sure the 360 EVO remote head is **powered OFF** while the RCP-2 EVO is being updated.



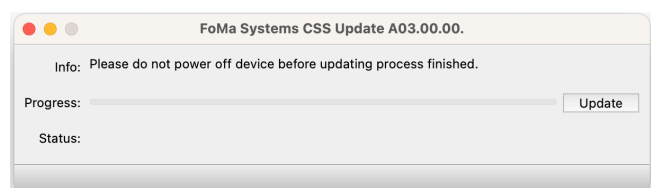
- Connect the USB-Mini Cable with the RCP-2 EVO



- 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.

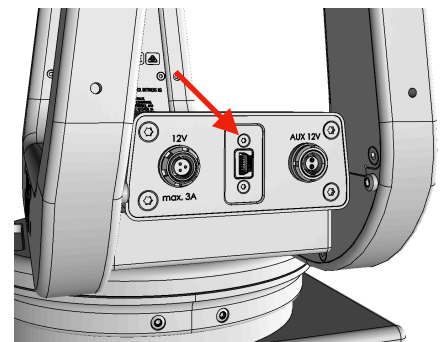
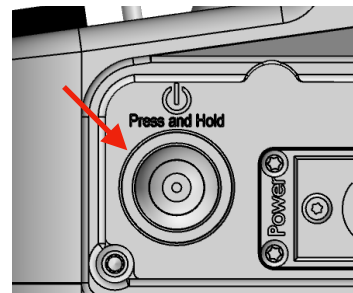


- After the software update has been successfully completed, the RCP-2 EVO restarts and the standard blue start screen is displayed.

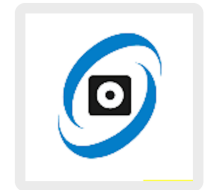


6.0 Updating the 360 EVO Head

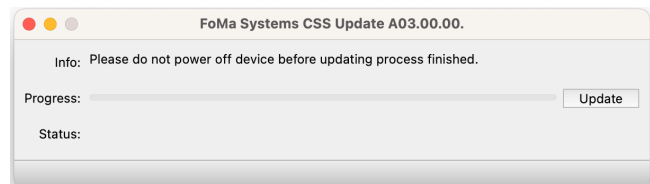
- **Switch OFF** or disconnect the **RCP-2 EVO** first!
- Remove any camera setup from the 360 EVO remote head.
- Disengage the tilt axis lock, if it is in the locked position.
- Connect the remote head with an adequate 24V power supply.
- Ensure that the emergency knob is **not activated**.
- Connect 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-3 and the TRINITY 2 head got the same soft- ware status. (marked red)

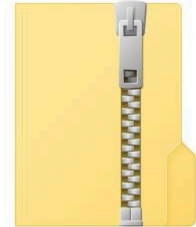
			Software Status
	HEAD	REMOTE	
FoMa S/N	360EVO#xxxxxxx	RCP2EVO#xxxxxxx	
ARRI S/N	K2.00XXXXX	K2.00XXXXX	
CCPU	A03.00.00	A03.00.00	
MCPU	V2.00.50	-	
LCPU	LCPU V03.0011	LCPU V03.0011	
RCPU	-	-	
BTL	v1.5	v1.5	✓

8.0 Update Instructions Windows 10 / 11 Computers

- Double click the ZIP file.

ADVICE

You must extract the file ZIP first!

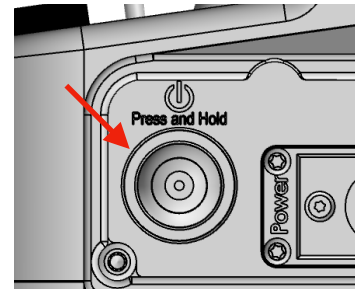


9.0 Updating the RCP-2 EVO

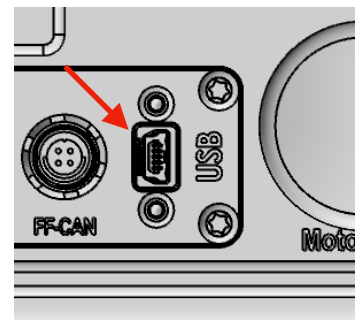
- Power **ON** the RCP-2 EVO

NOTICE

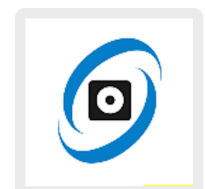
Make sure the 360 EVO remote head is **powered OFF** while the RCP-2 EVO is being updated.



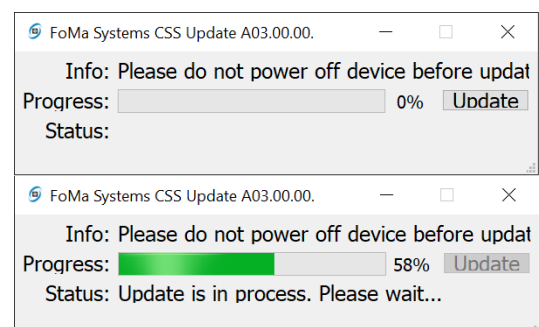
- Connect the USB-Mini Cable with the RCP-2 EVO.



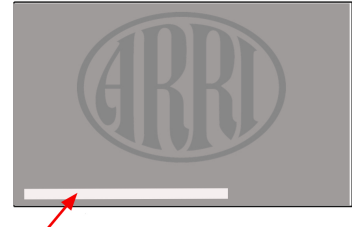
- Double-click to start the updater program.



- 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.

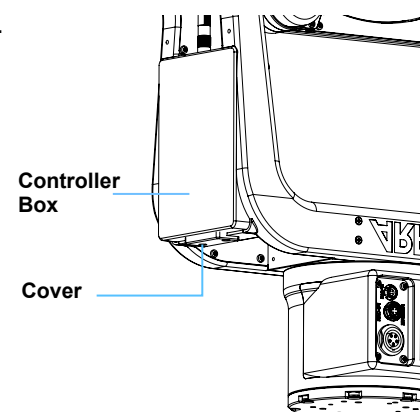
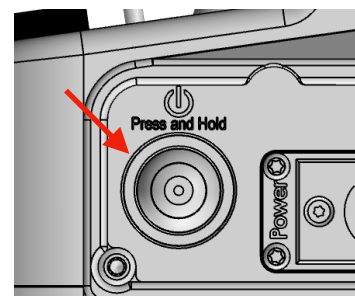


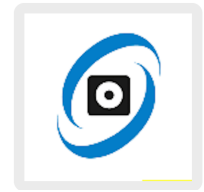
- After the software update has been successfully completed, the RCP-2 EVO restarts and the standard blue start screen is displayed.



10.0 Updating the 360 EVO Head

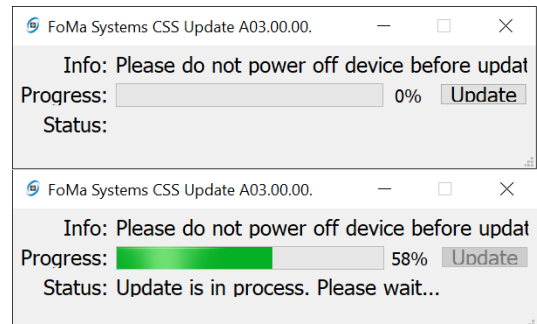
- **Switch OFF** or disconnect the **RCP-2 EVO** first!
- Remove any camera setup from the SRH-3 remote head.
- Disengage the tilt axis lock, if it is in the locked position.
- Connect the remote head with an adequate 24V power supply.
- Ensure that the emergency knob is not activated
- Remove the cover 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-2 EVO and go to:
- Main Menu
- Software Status
- Make sure that the RCP-3 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	-	-
BTL	v1.5	v1.5

E. New Features / Bug Fixes

- Pan Axis Module support (TRINITY 2)
- Implemented PAN Module calibration process (TRINITY 2)
- Analog Joystick support (TRINITY 2)
- Manual Drift Correction (TRINITY 2 & 360 EVO)
- Added profile switching by knobs (RCP-2 EVO)
- Profile changes available through MGT-2 (TRINITY 2)
- Added ratio settings in SPEED MODE RTP and FIZ (TRINITY 2 & 360 EVO)
- Improved Pan, Tilt, Roll hardware end-stops (TRINITY 2 & 360 EVO)
- Improved Pan, Tilt, Roll world related limits (TRINITY 2 & 360 EVO)
- Improved DRW-1 controller speed limit (TRINITY 2 & 360 EVO)
- Improved angle mode for Pan, Tilt, Roll and Focus Iris Zoom axes (TRINITY 2 & 360 EVO)
- Improved GYRO calibration process (TRINITY 2 & 360 EVO)
- Improved Joystick calibration process (TRINITY 2 & 360 EVO)
- Improved PID settings screen (TRINITY 2 & 360 EVO)
- Improved RF2400 radio communication (TRINITY 2)