



## Ronin 4D Release Notes

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Date:	2023.12.14
Firmware:	v01.05.0100
Video Transmitter Firmware:	v01.05.0500
High-Bright Remote Monitor Firmware:	v01.05.0500
DJI RS Focus Motor (2022) Firmware:	v00.03.04.64
DJI Assistant 2 (Ronin Series):	v2.1.10
User Manual:	v1.2

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### What's New?

- Added support for Zenmuse X9-8K gimbal camera, which supports 4K resolution and up to 120fps full frame video recording. Due to performance limitations, clean footage is not supported in ProRes RAW format and 48 project frame rate or above video and only supports the OSD output when using the HDMI port of the main body and SDI port of the expansion plate with Zenmuse X9-8K.
- Added support for DL 18mm F2.8 ASPH Lens.
- Added support for recording 1-120fps S&Q (Slow motion and Quick motion) for Zenmuse X9-6K and Zenmuse X9-8K gimbal cameras.
- Added support for displaying three channels of exposure waveform for the high-bright main monitor.
- Added support for multi function dial settings of the main body.
- Added support for recording full frame video at 17:9 ratio when sensor frame is set at 50fps for Zenmuse X9-6K gimbal camera (6K resolution is 5952×3136).
- Added loop code for folder and file names to avoid repeated names.
- Added percentage adjustment for focus peaking.
- Added auto recognition and calibration file loading for electronic lenses.
- Added support for remaining in broadcast mode after restarting Ronin 4D.
- Added support for enlarging the safety zone and frame guide along with the Focus Mag.
- Added support for auto detection and repair for damaged footage when inserting a storage device. Only supports footage recorded with Ronin 4D or Inspire 3. The repaired audio and video duration depends on the degree of damage to the footage and cannot be guaranteed that all of the footage can be repaired.
- Optimized the playback fluency issue when playing the high-quality videos.
- Fixed issue: Focus motor need to be initialized after restarting.
- Changed the recording time format to xx h xx m.

### Notes:

- Update the firmware to the latest version for accessories (except for DJI RS Focus Motor (2022)) before mounting on the Ronin 4D Flex. Update the firmware of DJI RS Focus Motor (2022) in DJI Assistant 2 after connecting to the Ronin 4D Flex using the CAN port.
- Make sure to update both the Video Transmitter and High-Bright Remote Monitor to the latest firmware version. Otherwise, the video transmission may work abnormally.
- If the update fails, restart the device and try again.

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## Ronin 4D Release Notes

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Date:	2023.08.09
Firmware:	v01.04.0303
Video Transmitter Firmware:	v01.05.0500
High-Bright Remote Monitor Firmware:	v01.05.0500
DJI RS Focus Motor (2022) Firmware:	v00.03.04.64
DJI Assistant 2 (Ronin Series):	v2.1.6
User Manual:	v1.2

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### What 's New?

- Added support to use the DJI Video Receiver with the DJI Video Transmitter and Ronin 4D Video Transmitter. Update the firmware of the DJI Ronin 4D Video Transmitter to V01.05.0500 or above.
- Fixed rare issue of failed linking due to the use of third-party batteries for High-Bright Remote Monitor.

### Notes:

- Update the firmware to the latest version for accessories (except for DJI RS Focus Motor (2022)) before mounting on the Ronin 4D Flex. Update the firmware of DJI RS Focus Motor (2022) in DJI Assistant 2 after connecting to the Ronin 4D Flex using the CAN port.
- Make sure to update both the Video Transmitter and High-Bright Remote Monitor to the latest firmware version. Otherwise, the video transmission may work abnormally.
- If the update fails, restart the device and try again.



## Ronin 4D Release Notes

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Date:	2023.05.11
Firmware:	v01.04.0303
Video Transmitter Firmware:	v01.04.0100
High-Bright Remote Monitor Firmware:	v01.05.0300
DJI RS Focus Motor (2022) Firmware:	v00.03.04.64
DJI Assistant 2 (Ronin Series):	v2.1.6
User Manual:	v1.2

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### What 's New?

- Fixed issue: autofocus was unstable when using manual lenses in some scenarios.

### Notes:

- Update the firmware to the latest version for accessories (except for DJI RS Focus Motor (2022)) before mounting on the Ronin 4D Flex. Update the firmware of DJI RS Focus Motor (2022) in DJI Assistant 2 after connecting to the Ronin 4D Flex using the CAN port.
- Make sure to update both the Video Transmitter and High-Bright Remote Monitor to the latest firmware version. Otherwise, the video transmission may work abnormally.
- If the update fails, restart the device and try again.



## Ronin 4D Release Notes

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Date:	2023.03.07
Firmware:	v01.04.0300
Video Transmitter Firmware:	v01.04.0100
High-Bright Remote Monitor Firmware:	v01.05.0300
DJI RS Focus Motor (2022) Firmware:	v00.03.04.64
DJI Assistant 2 (Ronin Series):	v2.1.6
User Manual:	v1.2

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### What's New?

- Added support for using DJI Assistant 2 (Ronin Series) to active Ronin 4D RAW license.
- Added support for DJI DL PZ 17-28mm T3.0 ASPH Lens.
- Added support for Ronin 4D Flex.
- Added support for using up to three DJI RS Focus Motor (2022) on Ronin 4D Flex to control the iris, focus, and zoom of manual lens. The DJI RS Focus Motor (2022) can be connected in series using the provided Multi-Camera Control Cable during use. Requires DJI RS Focus Motor (2022) firmware v00.03.04.64 or above.
- Added support for electric zoom control of the E Mount motorized zoom lens, optical stabilization, and the ability to switch AF/MF for E Mount Lenses. Only focus ring can be used to control focus when switching to MF. Requires E Mount Unit firmware v00.00.13.00 or above.
- Added support for focus direction settings when using right hand grip.
- Fixed issue: auto focus was not available when using zoom for zoom lens.
- Fixed issue: audio was stuck when using playback for certain video formats.

### Notes:

- The Ronin 4D parameters will be reset to default after the firmware is updated. Check all the settings and reset.
- Update the firmware to the latest version for accessories (except for DJI RS Focus Motor (2022)) before mounting on the Ronin 4D Flex. Update the firmware of DJI RS Focus Motor (2022) in DJI Assistant 2 after connecting to the Ronin 4D Flex using the CAN port.
- Make sure to update both the Video Transmitter and High-Bright Remote Monitor to the latest firmware version. Otherwise, the video transmission may work abnormally.
- If the update fails, restart the device and try again.
- Visit <https://store.dji.com/product/dji-ronin-4d-raw-license> to purchase the Ronin 4D RAW license.



## Ronin 4D Release Notes

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Date:	2023.01.13
Firmware:	v01.04.0200
Video Transmitter Firmware:	v01.04.0100
High-Bright Remote Monitor Firmware:	v01.05.0300
User Manual:	v1.2

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### What's New?

- Added support for the Leica L mount lens.
- Added manual calibration for the zoom lens.
- Added max speed auto adjustment for the gimbal using the joystick according to the liveview FOV.
- Added support for output clean footage for playback, on-screen display switch, and applied LUT for HDMI port. Output applied LUT is only available when using the HDMI port to output clean footage.
- Added support for anamorphic display de-squeezing for the High-Bright Main Monitor when using playback.
- Added red indicator for overexposure on the waveform and a Small option for waveform size settings.
- Added support for custom features for C1 and C2 buttons.
- Added Position and Distance options in MF mode for fine focus control.
- Added support for using playback via hand grips. Press and hold the EXP button of the left hand grip to enter/exit playback. Press the MODE button to switch options, press the trigger to select footage, and use the dial on the right hand grip to adjust the progress bar during playback.
- Added support for hiding the playback progress bar automatically when no operation is performed for two seconds.
- Added support for zoom direction settings using the dial on the right hand grip.
- Added custom feature, press and hold the trigger to support Z-Axis Lock and zoom.
- Added zoom control feature when using the right hand grip, turn the dial while pressing and holding the trigger. Make sure to set the zoom feature to press and hold the trigger.
- Optimized the start up time for Ronin 4D.
- Optimized the zoom control smoothness for the zoom lens.
- Optimized the display effect for the High-Bright Main Monitor and fixed the overexposure issue for the bright areas.
- Fixed issue: some E mount lenses without calibration cannot focus stably at infinity.
- Fixed issue: gimbal settings did not take effect after importing the user profile.
- Fixed issue: iris failed to be read using the E mount lens with a manual adjustment iris ring.
- Fixed issue: gimbal mode failed to be reset after setting it to custom.
- Fixed issue: playback footage displayed slightly green.
- Fixed issue: LiDAR waveform displayed as normal but AF/AMF was occasionally unavailable.

### Notes:

- Attach all the accessories to Ronin 4D before updating firmware.
- Make sure to update both the Video Transmitter and High-Bright Remote Monitor to the latest firmware

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version. Otherwise, the video transmission may work abnormally.

- If the update fails, restart the device and try again.



## Ronin 4D Release Notes

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Date:	2022.08.31
Firmware:	v01.04.0100
Video Transmitter Firmware:	v01.04.0100
High-Bright Remote Monitor Firmware:	v01.04.0100
User Manual:	v1.2

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### What's New?

- Added support for ProRes 4444XQ and ProRes 422LT recording.
- Added support for using Jam Sync through the external timecode generator and the 3.5 mm microphone port.
- Added support for using DJI Ronin 4D Hand Grips Mount Universal Adapter connects to Ronin-S External GPS Module to increase stability when turning with the Ronin 4D at high speed.
- Added support for output clean HDMI footage using HDMI port.
- Added support for output up to 4K 60fps HDMI footage when recording at 4K.
- Added zoom control for using the right hand grip to control focus motor with E mount manual zoom lens.
- Added support for output signal with internal timecode and recording trigger signal through HDMI port.
- Added support for focus assistant through double-clicking to zoom-in.
- Added support for anamorphic display de-squeezing for the High-Bright Main Monitor.
- Added Frame Guide and Safety Zone when using playback.
- Added automatic cycle for single footage when using playback.
- Added ActiveTrack speed settings.
- Added support for menu control using the right hand grip.
- Added real-time reading of the gimbal three axes force mobile data for High-Bright Remote Monitor.
- Added 35mm equivalent focal length information read-in to the ProRes metadata.
- Fixed issue: noise was too loud when performing auto tune.
- Fixed issue: Ronin 4D shook at high frequency when tilting with the Z-Axis at lock mode.
- Fixed issue: the preset timecode at REC Run mode was reset after the gimbal reboot.
- Fixed issue: noise was too loud when switching the built-in ND with E Mount lens.
- Fixed issue: camera restarted when using right hand grip to adjust iris with a manual lens.

### Notes:

- The ProRes 4444XQ video can only be stored at DJI PROSSD.
- HDMI port cannot output signal when selecting ProRes 4444XQ.
- Exposure assistant, peak focus and LiDAR waveform will be disabled automatically for optimal performance when recording ProRes 4444XQ video at 6K/48fps or 4K/96fps and above.
- Left channel cannot be used when using Jam Sync through the 3.5 mm microphone port.
- Attach all the accessories to Ronin 4D before updating firmware.
- Attach the DJI Three-Channel Follow Focus to the High-Bright Remote Monitor to update firmware simultaneously.

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## Ronin 4D Release Notes

- Make sure to update both the Video Transmitter and High-Bright Remote Monitor to the latest firmware version. Otherwise, the video transmission may work abnormally.
- If the update fails, restart the device and try again.





## Ronin 4D Release Notes

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Date:	2022.08.05
Firmware:	v01.03.0200
Video Transmitter Firmware:	v01.04.0100
High-Bright Remote Monitor Firmware:	v01.04.0100
User Manual:	v1.2

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### What's New?

- Added ability to record and playback the transmission image and audio for the High-Bright Remote Monitor.
- Added force mobile feature to control the gimbal for the High-Bright Remote Monitor.
- Added support for up to 1080p/60fps HDMI signal display input for the High-Bright Remote Monitor.
- Added support for anamorphic display de-squeezing for the High-Bright Remote Monitor.
- Added HDMI/SDI output frame rate individual settings for the remote monitor expansion plate.
- Added HDMI output audio ability for the remote monitor expansion plate.
- Added ability to mark the focus points and limit points for Three-Channel Follow Focus.
- Fixed issue: Ronin 4D transmitter occasionally failed to start linking in a low-temperature environment.

### Notes:

- Attach all the accessories to Ronin 4D before updating firmware.
- Attach the DJI Three-Channel Follow Focus to the High-Bright Remote Monitor to update firmware simultaneously.
- Make sure to update both the Video Transmitter and High-Bright Remote Monitor to the latest firmware version. Otherwise, the video transmission may work abnormally.
- If the update fails, restart the device and try again.



## Ronin 4D Release Notes

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Date:	2022.04.24
Firmware:	v01.03.0200
Video Transmitter Firmware:	v01.03.0400
High-Bright Remote Monitor Firmware:	v01.03.0400
User Manual:	v1.2

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### What 's New?

- Added display ratio switch for the remote monitor expansion plate. The HDMI/SDI port of the remote monitor expansion plate can output Normal or CenterCrop footage.
- Fixed rare issue: High-Bright Remote Monitor failed or took more than one minute to power on.
- Fixed rare issue: Three-Channel Follow Focus status LED would abnormally switch between red and green.

### Notes:

- Attach all the accessories to Ronin 4D before updating firmware.
- Attach the DJI Three-Channel Follow Focus to the High-Bright Remote Monitor to update firmware simultaneously.
- Make sure to update both the Video Transmitter and High-Bright Remote Monitor to the latest firmware version. Otherwise, the video transmission may work abnormally.
- If the update fails, restart the device and try again.



## Ronin 4D Release Notes

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Date:	2022.02.16
Firmware:	v01.03.0200
Video Transmitter Firmware:	v01.03.0200
High-Bright Remote Monitor Firmware:	v01.03.0200
User Manual:	v1.2

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### What's New?

- Stopped support for Apple ProRes RAW internal recording.
- Added Mirror Control mode for video transmission. The HDMI port of main body will not output code stream in mirror control mode while the remote monitor expansion plate can output code stream normally.
- Added OSD display switch for remote monitor expansion plate. The HDMI/SDI port of remote monitor expansion plate can output clean HDMI footage.
- Added ability to lock/unlock the high-bright remote monitor screen by pressing the power button once.
- Added power level display of the video transmitter on the high-bright remote monitor screen.
- Added Sport mode to the stabilizer menu on the high-bright main monitor.
- Added ability to enter/exit Sport mode by pressing the M button on the left hand grip or top handle twice.
- Added depth of field display to MF readings and LiDAR waveform when the aperture has been read.
- Added support for calibration of more manual lenses, regardless of the rotational direction of the focus ring.
- Added ability to use more third-party E mount electronic lenses without calibration (requires the latest firmware version of the X9 E mount unit).
- Added log export feature, allowing the log to be output to selected storage media.
- Added Invert Joystick Up/Down switch.
- Added native mark on the EI list for the native ISO.
- Optimized image quality for ProRes 422 HQ.
- Fixed issue: the record button lights of the main body and right hand grip would also switch off when the tally light was disabled on the screen.
- Fixed rare issue: frames were dropped when recording 6K ProRes 422 HQ video with the sensor frame rate is 60fps.

### Notes:

- Attach all the accessories to Ronin 4D before updating firmware.
- Attach the DJI Three-Channel Follow Focus to the High-Bright Remote Monitor to update firmware simultaneously.
- Make sure to update both the Video Transmitter and High-Bright Remote Monitor to the latest firmware version. Otherwise, the video transmission may work abnormally.
- If the update fails, restart the device and try again.