DJI Digital FPV System Release Notes

Date:	2022.12.08
Air Unit Firmware:	v01.01.00.00
DJI Goggles 2 Firmware:	v01.03.00.00
DJI FPV Remote Controller 2 Firmware:	v02.00.04.00
DJI Assistant 2 (Consumer Drones Series):	v2.1.15

What's New?

- Added support to use with DJI Goggles 2 (recording from the air unit is currently not supported).

- Added support to use with DJI FPV Remote Controller 2.

- Added support to use Canvas Mode. This function is only supported when the air unit is used with DJI Goggles 2. Refer to the Canvas Mode section of the User Manual to enable OSD and set PID parameters in Canvas Mode.

Notice:

- After updating, the air unit will not support DJI Goggles V2/V1 and the DJI FPV remote controller. When using DJI Goggles V2/V1 and the DJI FPV remote controller, downgrade the air unit to v01.00.06.08.

- Restart the air unit, goggles, and remote controller once the update is complete.

- If the firmware update fails, restart the device and DJI Assistant 2 (Consumer Drones Series), and try updating again.

- Update the Air Unit (Lite) when there is good ventilation. Make sure that both the goggles and remote controller are powered off before updating the Air Unit (Lite). DO NOT touch the Air Unit (Lite) during update since the temperature rises. If update fails, wait for the Air Unit (Lite) to cool down and try to update again.

DJI Digital FPV System Release Notes

Date:	2022.11.22
Air Unit Firmware:	v01.00.06.08
Goggles V1 Firmware:	v01.00.06.08
Goggles V2 Firmware:	v01.00.06.07
Remote Controller Firmware:	v01.00.06.08
DJI Assistant 2 (Consumer Drones Series):	v2.1.14

What´s New?

- Added support to use DJI FPV Goggles V2 with DJI Avata. Tap Settings then Device and select Switch to DJI Avata.

Notice:

- Restart the air unit, goggles, and remote controller once the update is complete.

- If the firmware update fails, restart the device and DJI Assistant 2 (Consumer Drones Series), and try updating again.

- Goggles must be manually restarted each time after switching system.

- To switch goggles back to DJI Digital FPV System from DJI FPV or DJI Avata, tap Settings then About and select Switch to DJI Digital FPV System.

- Update the Air Unit (Lite) when there is good ventilation. Make sure that both the goggles and remote controller are powered off before updating the Air Unit (Lite). DO NOT touch the Air Unit (Lite) during update since the temperature rises. If update fails, wait for the Air Unit (Lite) to cool down and try to update again.

DJI Digital FPV System Release Notes

Date:	2022.10.10
Air Unit Firmware:	v01.00.06.08
Goggles V1 Firmware:	v01.00.06.08
Goggles V2 Firmware:	v01.00.06.06
Remote Controller Firmware:	v01.00.06.08
DJI Assistant 2 (DJI FPV Series):	v2.1.1

What's New?

• Added support for RunCam cameras (model: Wasp).

Notice:

• Restart the air unit, goggles, and remote controller once the update is complete.

• If the firmware update fails, restart the device and DJI Assistant 2 (DJI FPV Series), and try updating again.

• Goggles must be manually restarted each time after switching between DJI FPV and DJI Digital FPV System.

• To switch goggles back to DJI Digital FPV System from DJI FPV, tap Settings then About and select Switch to DJI Digital FPV System.

• Update the Air Unit (Lite) when there is good ventilation. Make sure that both the goggles and remote controller are powered off before updating the Air Unit (Lite). DO NOT touch the Air Unit (Lite) during update since the temperature rises. If update fails, wait for the Air Unit (Lite) to cool down and try to update again.

DJI Digital FPV System Release Notes

Date:	2021.07.27
Air Unit Firmware:	v01.00.06.06
Goggles V1 Firmware:	v01.00.06.06
Goggles V2 Firmware:	v01.00.06.06
Remote Controller Firmware:	v01.00.06.06
DJI Assistant 2 (DJI FPV Series):	v2.1.1

What´s New?

• Added support for new Air Unit (Lite) hardware.

Notice:

• Restart the air unit, goggles, and remote controller once the update is complete.

• If the firmware update fails, restart the device and DJI Assistant 2 (DJI FPV Series), and try updating again.

• Goggles must be manually restarted each time after switching between DJI FPV and DJI Digital FPV System.

• To switch goggles back to DJI Digital FPV System from DJI FPV, tap Settings then About and select Switch to DJI Digital FPV System.

• Update the Air Unit (Lite) when there is good ventilation. Make sure that both the goggles and remote controller are powered off before updating the Air Unit (Lite). DO NOT touch the Air Unit (Lite) during update since the temperature rises. If update fails, wait for the Air Unit (Lite) to cool down and try to update again.

DJI Digital FPV System Release Notes

Date:	2021.03.02
Air Unit Firmware:	v01.00.06.00
Goggles V2 Firmware:	v01.00.06.06
Remote Controller Firmware:	v01.00.06.00
DJI Assistant 2 (DJI FPV Series):	v2.1.0

What´s New?

- Added ability to switch goggles to DJI FPV. Tap Settings then Device and select Switch to DJI FPV.

- Fixed issue: coordinate information on custom on-screen display was incorrect when using third-party modules in some areas.

Notice:

- Restart the air unit, goggles, and remote controller once the update is complete.

- If the firmware update fails, restart the device and DJI Assistant 2 (DJI FPV Series), and try updating again.

- Goggles must be manually restarted each time after switching between DJI FPV and DJI Digital FPV System.

- To switch goggles back to DJI Digital FPV System from DJI FPV, tap Settings then About and select Switch to DJI Digital FPV System.

DJI Digital FPV System Release Notes

Date:	2021.02.09
Air Unit Firmware:	v01.00.06.00
Goggles V2 Firmware:	v01.00.06.04
Remote Controller Firmware:	v01.00.06.00
DJI Assistant 2 (DJI FPV Series):	v2.1.0

What′s New?

- Fixed issue: could not adjust screen brightness on some DJI Goggles V2.

Notice:

- Restart the air unit, goggles, and remote controller once the update is complete.

- If the firmware update fails, restart the device and DJI Assistant 2 (DJI FPV Series), and try updating again.

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DJI Digital FPV System Release Notes

Date:	2020.07.08
Air Unit Firmware:	v01.00.06.00
Goggles Firmware:	v01.00.06.00
Remote Controller Firmware:	v01.00.06.00
DJI Assistant 2 (DJI FPV Series):	v2.0.2

What's New?

- Added 50Mbps bitrate mode, which provides better image quality. In the United States, users can enable 50Mbps bitrate mode on goggles by selecting Settings, Transmission, and then Bitrate. Audience mode is not supported in 50Mbps bitrate mode.

- Added frequency range display for each channel in 25Mbps bitrate mode, making it more convenient to select different channels when there are multiple devices around to avoid interference.

- Optimized power algorithm. Full power will automatically be enabled if the flight controller is disarmed during flight. This improves the stability of the video transmission connection and increases the probability of locating lost aircraft.

- Optimized user experience when there are multiple devices in the area.

- Fixed rare issue: when the remote controller was connected to a simulator, the aircraft vibrated vertically when the throttle stick was pushed to the maximum value.

- Fixed issue: an update failure report was incorrectly sent when using DJI Assistant 2 (DJI FPV Series) to refresh current firmware.

- Fixed rare issue: air unit automatically stop recording during flight.

Notice:

- Restart the air unit, goggles, and remote controller once the update is complete.

- Make sure that the firmware of the air unit, the goggles and the remote controller are in the same version. Check the firmware version in Setting, Device Info, and then Device Info on goggles.

- If the firmware update fails, restart the device and DJI Assistant 2 (DJI FPV Series), and try updating again.

- Update the Air Unit (Lite) when there is good ventilation. Make sure that both the goggles and remote controller are powered off before updating the Air Unit (Lite). DO NOT touch the Air Unit (Lite) during update since the temperature rises. If update fails, wait for the Air Unit (Lite) to cool down and try to update again.

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DJI Digital FPV System Release Notes

Date:	2020.04.13
Air Unit Firmware:	v01.00.05.00
Goggles Firmware:	v01.00.05.00
Remote Controller Firmware:	v01.00.05.00
DJI Assistant 2 (DJI FPV Series):	v2.0.2

What's New?

- Added ability to view HDMI live broadcast by connecting the goggles to the DJI Smart Controller (v01.00.07.00 or above). By connecting the goggles to the DJI Smart Controller using USB-C cable, users can see the camera view of the air unit on the screen of the Smart Controller, and then can transmit the live view from the Smart Controller to other display devices through an HDMI cable.

- Added new custom on-screen display information: home point direction, home point distance, altitude, and GPS speed.

- Added on-screen flashing prompt on the goggles when the signal of the air unit or the remote controller is weak.

- Added menu setting to choose to enable recording after unlocking the flight controller.

- Added menu setting to choose to enable the low battery warning alarm of the goggles.

- Added support for Caddx Nebula camera model.

- Optimized display and operation in the AV IN interface. Added menu setting to adjust screen size and position and added on-screen display for the battery level of the goggles.

- Fixed issue: screen blurred or froze when unlocking Air Unit (Lite).

- Fixed issue: operation was delayed when using the remote controller on a simulator.

- Fixed rare issue: the PID tuning did not take effect after changing the settings.

Notice:

- Restart the air unit, goggles, and remote controller once the update is complete.

- Make sure that the firmware of the air unit, the goggles and the remote controller are in the same version. Check the firmware version in Setting, Device Info, and then Device Info on goggles.

- If the firmware update fails, restart the device and DJI Assistant 2 (DJI FPV Series), and try updating again.

- Update the Air Unit (Lite) when there is good ventilation. Make sure that both the goggles and remote controller are powered off before updating the Air Unit (Lite). DO NOT touch the Air Unit (Lite) during

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update since the temperature rises. If update fails, wait for the Air Unit (Lite) to cool down and try to update again.

Coming in Next Update:

- High bitrate mode (50Mbps), which provides better image quality.

DJI Digital FPV System Release Notes

Date:	2020.01.19
Air Unit Firmware:	v01.00.04.00
Goggles Firmware:	v01.00.04.00
Remote Controller Firmware:	v01.00.04.00
DJI Assistant 2 (DJI FPV Series):	v2.0.2

What's New?

- Optimized the custom on-screen display of the goggles. When the video transmission is disconnected, the on-screen display will not be disabled.

Notice:

- Restart the air unit, goggles, and remote controller once the update is complete.

- Make sure that the firmware of the air unit, the goggles and the remote controller are in the same version. Check the firmware version in Setting, Device Info, and then Device Info on goggles.

- If the firmware update fails, restart the device and DJI Assistant 2 (DJI FPV Series), and try updating again.

- Update the Air Unit (Lite) when there is good ventilation. Make sure that both the goggles and remote controller are powered off before updating the Air Unit (Lite). DO NOT touch the Air Unit (Lite) during update since the temperature rises. If update fails, wait for the Air Unit (Lite) to cool down and try to update again.

Coming in Next Update:

- Ability to view HDMI live broadcast by connecting the goggles to the DJI Smart Controller.

- Menu setting to choose to enable recording after unlocking the flight controller.

- New custom on-screen display information: Home point direction, altitude, and GPS speed.

DJI Digital FPV System Release Notes

Date:	2020.01.13
Air Unit Firmware:	v01.00.03.00
Goggles Firmware:	v01.00.03.00
Remote Controller Firmware:	v01.00.03.00
DJI Assistant 2 (DJI FPV Series):	v2.0.2

What′s New?

- Added support for Air Unit (Lite).

- Added on-screen display for remote controller signal strength.

- Optimized custom on-screen display of goggles by updating center point icon.

- Optimized settings for flight controller protocol. After setting the protocol between the air unit and flight controller, the air unit no longer needs to be restarted.

- Optimized on-screen display of goggles in certain situations after customizing the on-screen display settings.

- Fixed rare issue: public channel was displayed incorrectly after enabling custom on-screen display on goggles.

Notice:

- Restart the air unit, goggles, and remote controller once the update is complete.

- Make sure that the firmware of the air unit, the goggles and the remote controller are in the same version. Check the firmware version in Setting, Device Info, and then Device Info on goggles.

- If the firmware update fails, restart the device and DJI Assistant 2 (DJI FPV Series), and try updating again.

- Update the Air Unit (Lite) when there is good ventilation. Make sure that both the goggles and remote controller are powered off before updating the Air Unit (Lite). DO NOT touch the Air Unit (Lite) during update since the temperature rises. If update fails, wait for the Air Unit (Lite) to cool down and try to update again.

DJI Digital FPV System Release Notes

Date:	2019.12.02
Air Unit Firmware:	v01.00.02.00
Goggles Firmware:	v01.00.02.00
Remote Controller Firmware:	v01.00.02.00
DJI Assistant 2 (DJI FPV Series):	v2.0.0

What's New?

- Added support for recording AV IN analog video transmission. Reset the goggles to the default settings to ensure that the functions in the AV IN interface can be used normally.

- Fixed issue: display issues appeared in AV IN analog video transmission.

- Optimized AV IN analog video transmission to improve real-time performance.

- Added ability to customize the on-screen display information for the goggles, which supports 24 OSD items of information items in total. (To display GPS information, enable the UART port which is connected to the GPS in Betaflight software)

- Added ability to adjust frame rate and bit rate according to distance and channel bandwidth when the transmission distance is more than 1 km.

- Added support to connect the remote controller via USB cable to PC to play the simulator. (The simulator software needs to support USB HID input)

- After activating the goggles, it will enter Channel 1 by default.

- Optimized UI menu of PID Tuning.

- Optimized microSD card error type. "SD card full" appears when the microSD card is full during recording.

- Fixed issue: playback speed was slow when playing 120fps video on the goggles.

Notice:

- Restart the air unit, goggles, and remote controller once the update is complete.

- Make sure that the firmware of the air unit, the goggles and the remote controller are in the same version. Check the firmware version in Setting, Device Info, and then Device Info on goggles.

- If the firmware update fails, restart the device and DJI Assistant 2 (DJI FPV Series), and try updating again.

- Restart the air unit after setting the protocol between the air unit and flight controller.

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DJI Digital FPV System Release Notes

Date:	2019.11.01
Air Unit Firmware:	v01.00.01.00
Goggles Firmware:	v01.00.01.00
Remote Controller Firmware:	v01.00.01.00
DJI Assistant 2 (DJI FPV Series):	v2.0.0

What's New?

- Added Auto to Focus mode. If Auto is enabled, focus will automatically turn on or off based on the scene.

- Added 200mw and 500mw when selecting the max power limit for the video transmission. Make sure to follow local regulations when setting the max power limit.

- Added framing lines. If a DJI Osmo Action is attached to the aircraft, the size and positon of the framing lines can be adjusted to make sure that camera view can be displayed on the goggles.

- Added support for saving on-screen display information as subtitle files when recording by the goggles.

- Added screensaver for goggles.

- Changed DJI HDL to Sbus Baud Fast under Protocol in Device Info in Setting.

- Optimized multilingual text.

- Optimized display of AV IN analog video transmission. Added ability to adjust screen position and size.

- Added microSD card error prompt. "SD SLOW" appears when recording stops due to slow writing speed.

- Fixed issue: microSD card could still be formatted while recording.

- Fixed occasional issue: only the air unit would record even when both the air unit and goggles were set to record simultaneously.

- Fixed rare issue: UI interface froze during playback.

- Fixed issue: writing issue during recording caused the screen to blur or freeze.

- Fixed issue: to ensure safety during tuning and debugging, the air unit sent an enable or disable arming prevention command when entering or exiting the RC setting on the goggles or when plugging or unplugging the USB-C port of the air unit. The Betaflight Configurator also had a similar protection feature as the DJI FPV Air Unit. When both the Betaflight Configurator and the DJI FPV Air Unit were connected to the flight controller and were being operated simultaneously, the arming prevention may be accidentally disabled. In order to prevent such accidents, the DJI FPV Air Unit no longer sends disable arming prevention commands. Betaflight will evaluate whether to add to client ID to future flight controller firmware to improve security.

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DJI Digital FPV System Release Notes

- Restart the air unit, goggles, and remote controller once the update is complete.

- Make sure that the firmware of the air unit, the goggles and the remote controller are in the same version. Check the firmware version in Setting, Device Info, and then Device Info on goggles.

- If the firmware update fails, restart the device and DJI Assistant 2 (DJI FPV Series), and try updating again.

- Restart the air unit after setting the protocol between the air unit and flight controller.

Coming in Next Update:

- Optimize the flight controller on-screen display information and add ability to customize the display.

- Support for recording AV IN analog video transmission.

DJI Digital FPV System Release Notes

Date:	2019.07.31
Air Unit Firmware:	v01.00.00.00
Goggles Firmware:	v01.00.00.00
Remote Controller Firmware:	v01.00.00.00
DJI Assistant 2 (DJI FPV Series):	v2.0.0

What's New?

- Added ability to set the storage mode of the air unit or the goggles as Overwrite or Stop When Full.

- Added ability to set the protocol between the air unit and flight controller as Normal (S.Bus) or DJI HDL.

- Added display for public channel (CH8).

- Added firmware detection. A prompt will appear on the goggles if the firmware of the air unit, goggles and remote controller are not the same version.

- Fixed occasional issue: the remote controller was unable to unlock a third-party flight controller.

- Removed alert when the remote controller is in the public channel.

- Optimized the screen display when entering live view.

- Optimized the loading speed of files when entering playback.

- Optimized the battery level detection of the goggles.

- Optimized the viewing experience in Audience mode.

- Optimized the screen display of remote controller during calibration.

Notice:

- Restart the air unit, goggles, and remote controller once the update is complete.

- Make sure that the firmware of the air unit, the goggles and the remote controller are in the same version. Check the firmware version in Setting, Device Info, and then Device Info on goggles.

- If the firmware update fails, restart the device and DJI Assistant 2 (DJI FPV Series), and try updating again.

- Restart the air unit after setting the protocol between the air unit and flight controller.

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