

DJI MATRICE 100 Product Release Notes

Date :	2018/08/10
DJI GO App:	iOS v3.1.42, Android v3.1.43
DJI Assistant:	v1.2.4
Firmware Update Package (Zenmuse X3):	v1.3.1.82
Firmware Update Package (Zenmuse X5):	v1.3.1.82
Zenmuse X3 Camera Firmware:	v1.10.01.40

What's New

Firmware:

- When a No-Fly Zone is unlocked, Intelligent Flight Modes such as Waypoints and Point of Interest (POI) are now available.

DJI MATRICE 100 Product Release Notes

Date :	2016/04/13
DJI GO App:	iOS v2.7.1, Android v2.7.2
DJI Assistant:	v1.0.3
Firmware Update Package (Zenmuse X3):	v1.3.1.00
Firmware Update Package (Zenmuse X5):	v1.3.1.00
Zenmuse X3 Camera Firmware:	v1.0.01.01

What's New

Firmware:

- Improved SDK data transmission stability.
- Improved gimbal control accuracy.
- Fixed issue of occasional over-discharge when the Intelligent Flight Battery has not been used for more than 90 days.

Notes

- DJI Assistant 2 must be upgraded to the latest version.
- Both the aircraft and the remote controller must be upgraded to the latest version or else they will not link.
- You are advised to update all your Intelligent Flight Batteries with this firmware update package.
- This firmware can be downgraded to v1.2.0.80 only.

DJI MATRICE 100 Product Release Notes

Date :	2016/04/07
DJI GO App:	iOS v2.7.1, Android v2.7.2
DJI Assistant:	v1.0.3
Firmware Update Package (Zenmuse X3):	v1.2.0.90
Firmware Update Package (Zenmuse X5):	v1.2.0.90
Zenmuse X3 Camera Firmware:	v1.0.01.01

What's New

Assistant Software:

- Revised upgrade methodology for DJI Assistant 2.

Firmware:

- Improved encryption to enhance transmission security.

Notes

- The latest version of DJI Assistant 2 must be used to upgrade the firmware to v1.2.0.90.
- Both the aircraft and the remote controller must be upgraded or else they will not link.
- This firmware update package does not cover Intelligent Flight Batteries.
- This firmware can be downgraded to v1.2.0.80 only.

DJI MATRICE 100 Product Release Notes

Date :	2016/03/04
DJI GO App:	iOS v2.6.0, Android v2.6.0
DJI Assistant:	v0.0.122
Firmware Update Package (Zenmuse X3):	v1.2.0.80
Firmware Update Package (Zenmuse X5):	v1.2.0.80
Zenmuse X3 Camera Firmware:	v1.0.01.01

What's New

Assistant Software:

- DJI Assistant 2, a new version of assistant that handles all major DJI products.

Firmware:

- Reduced aircraft vibration and sudden drops in altitude.
- Added protective measures to prevent unsafe takeoff.
- Improved battery reliability when flying in cold conditions.
- Optimized battery management.
- Simplified obstacle sensing settings for the DJI Guidance system.
- Zenmuse X3 now compatible with the Osmo, but must first be updated when mounted on the Matrice 100.
- Optimized HDR performance for Zenmuse X3 camera.
- Adjusted bitrates for Zenmuse X3 camera: 60Mbps (1080p60) and 40Mbps (1080p30).
- Flight records now read-only.
- SDK policy amendments:
<https://github.com/dji-sdk/Onboard-SDK/blob/3.1/ReleaseNotes.md>

Notes

- You are advised to update all your Intelligent Flight Batteries with this firmware update package.
- This firmware can be downgraded to v1.1.0.10 only.
- You can only use DJI Assistant 2 to configure the Matrice 100 after this firmware update.
- This firmware must be used with the DJI Guidance firmware v1.4.0.
- Obstacle sensing is disabled for the Guidance system during RTH procedures.
- DO NOT use this firmware to update the Osmo Zenmuse X3 gimbal.
- If you have a DJI Osmo, you are recommended to calibrate the Zenmuse X3 gimbal on the Osmo handle after this firmware update. Hibernation and Gimbal Protection modes will not work on the Osmo.
- Note the different model numbers on the Zenmuse X3 (model: FC350) and the Osmo Zenmuse X3 (model: X3/FC350H).

Date :	2015/09/23
DJI GO App :	iOS v2.2.0, Android v2.1.0
DJI N1 Assistant :	v3.4.4
Flight Controller Firmware :	v2.3.2
Central Board Firmware :	v3.0.6
Intelligent Flight Battery Firmware :	v3.7.15
ESC Firmware :	v1.9.0
Air System Baseband Firmware :	v1.8.0
Air System USB Converter Firmware :	v1.1.2
Remote Controller Firmware :	v1.3.0
Firmware Update Package :	v1.01.0.10
ZENMUSE X3 Camera Firmware Package :	v1.0.01.01

What's New

Assistant Software:

- Automatically configure flight control parameters without having to upgrade the N1 Assistant Software or M100 firmware.
- API Configuration Page has a new data type selection panel. Please read documentation for details about the items on the selection panel. (<https://github.com/dji-sdk/Onboard-SDK>)

Flight Controller Firmware:

- Optimized flight control performance.
- Onboard API Message Package data structure has changed. Please use new sample code to read message packages.
- Onboard API Message Package can choose to send raw data or fused data. It can be configured with N1 Assistant Software.
- Onboard API fixed bugs in the SDK activation process and added an SDK version checking mechanism.
- Onboard API improved the stability of the access control process.
- Onboard API added gimbal control functions (must use with the ZENMUSE X3 Gimbal with Camera).
- Onboard API added simple camera control functions (must use with the ZENMUSE X3 Gimbal with Camera).
- Onboard API fixed bugs in auto takeoff and landing.
- Onboard API can send control commands after engine is started.
- M100 supports intelligent flight control functions in DJI GO and DJI Mobile SDK.
- M100 fixed bugs in communication with Guidance system (must have Guidance system installed).
- M100 improved braking performance with Guidance system (must have Guidance system installed).

Notes

- When using with the Zenmuse X3 gimbal with camera, if the update process does not start automatically, the Zenmuse X3 camera firmware may have failed to identify the firmware update package. If this happens, download the Zenmuse X3 camera firmware v1.0.01.01 from the M100 product page on the DJI official website to update the firmware for the Zenmuse X3 camera. After updating the Zenmuse X3 camera firmware, restart the aircraft. If the firmware update package is on the SD card, the update process will start automatically.
- Use the camera firmware package in the same way as the firmware update package. Refer to [How to Update the Firmware](#) for more information.
- Be sure to update the N1 Assistant software to the latest version first, if you are using the software to update the firmware.
- Be sure to use the latest N1 Assistant software to configure your M100 after updating the firmware. If you are using the old version of the M100 firmware, use the old version of the N1 Assistant software to configure your M100.

Date :	2015/08/21
DJI GO App :	iOS v2.0.0, Android v2.0.0
DJI N1 Assistant :	v3.4.2
Flight Controller Firmware :	v2.2.7
Central Board Firmware :	v3.0.6
Intelligent Flight Battery Firmware :	v3.7.15
ESC Firmware :	v1.9.0
Air System Baseband Firmware :	v1.8.0
Air System USB Converter Firmware :	v1.1.2
Remote Controller Firmware :	v1.3.0
Firmware Update Package :	v1.0.0.07
ZENMUSE X3 Camera Firmware Package :	v1.0.01.01

What's New

Intelligent Flight Battery Firmware:

- Optimized battery life algorithm.
- The battery will conserve extra power if it has not been calibrated for the first time.
- Optimized battery protection mechanism.

ESC Firmware:

- Optimized self-test logic when the ESC powers on.

Camera Firmware:

- The camera can now identify the Matrice 100 and Inspire 1.
- Added HD Video Conversion option in the video editor.
- Added High Dynamic Range (HDR) shooting feature.
- Enabled use of remote controller to shoot photos in burst mode.
- Fixed issue of video files being damaged when aircraft is powered off during recording.
- Camera View now displays the DJI logo if a video output error is detected to avoid confusion with a blank screen.

Gimbal Firmware (included in the firmware update package):

- Support storing customized gimbal parameters.

Notes

- If you are using the ZENMUSE X3 Gimbal with Camera, update with the camera firmware package first, and then with the firmware update package. Otherwise, the camera will not be able to identify the firmware update package.
- Use the camera firmware package in the same way as the firmware update package. Refer to [How to Update the Firmware](#) for more information.
- The battery's charge and discharge cycles may be affected by the update as a result of the new calculation method for the battery life.

DJI MATRICE 100 Product Release Notes

Date :	2015/08/14
DJI GO App :	iOS v2.0.0, Android v2.0.0
DJI N1 Assistant :	v3.4.2
Flight Controller Firmware :	v2.2.7
Central Board Firmware :	v3.0.6
Intelligent Flight Battery Firmware :	v3.7.1
ESC Firmware :	v1.8.0
Air System Baseband Firmware :	v1.8.0
Air System USB Converter Firmware :	v1.1.2
Remote Controller Firmware :	v1.0.0.03
Firmware Update Package :	v1.0.0.03

What's New

Assistant Software

- The configuration table loads faster.
- Indication at the bottom of the screen while the configuration table is loading.

DJI MATRICE 100 Product Release Notes

Date :	2015/08/04
DJI GO App :	iOS v2.0.0, Android v2.0.0
DJI N1 Assistant :	v3.4.1
Flight Controller Firmware :	v2.2.7
Central Board Firmware :	v3.0.6
Intelligent Flight Battery Firmware :	v3.7.1
ESC Firmware :	v1.8.0
Air System Baseband Firmware :	v1.8.0
Air System USB Converter Firmware :	v1.1.2
Remote Controller Firmware :	v1.0.0.03
Firmware Update Package :	v1.0.0.03

What's New

Flight Controller Firmware

- Supports the latest DJI Guidance firmware v1.3.4.

Notes

- When used with the Guidance system, ensure the flight controller firmware is updated to v2.2.7 via the DJI N1 Assistant.

DJI MATRICE 100 Product Release Notes

Date :	2015/07/06
DJI Pilot App :	iOS v1.2.0, Android v1.2.0
DJI N1 Assistant :	v3.4.1
Flight Controller Firmware :	v2.2.6
Central Board Firmware :	v3.0.6
Intelligent Flight Battery Firmware :	v3.7.1
ESC Firmware :	v1.8.0
Air System Baseband Firmware :	v1.8.0
Air System USB Converter Firmware :	v1.1.2
Remote Controller Firmware :	v1.0.0.03
Firmware Update Package :	v1.0.0.03

What's New

Assistant Software

- Fixed issue of the central board's firmware unable to update.
- Added progress bar for the firmware update.

Date :	2015/06/08
DJI Pilot App :	iOS v1.2.0, Android v1.2.0
DJI N1 Assistant :	v3.4.0
Flight Controller Firmware :	v2.2.6
Central Board Firmware :	v3.0.6
Intelligent Flight Battery Firmware :	v3.7.1
ESC Firmware :	v1.8.0
Air System Baseband Firmware :	v1.8.0
Air System USB Converter Firmware :	v1.1.2
Remote Controller Firmware :	v1.0.0.03
Firmware Update Package :	v1.0.0.03

June 8, 2015 DJI Matrice 100 Launched

DJI Matrice 100 Overview

1. Upgraded Flight Controller and Integrated Lightbridge
2. Dedicated Remote Controller
3. Full Mobile App Support
4. Purpose-Built Propulsion System
5. Expansion Bays
6. Universal Power and Communication Ports
7. Dual Battery Compartments
8. Customizable Mounting and Balancing
9. Adjustable Arm Angle for Greater Torque
10. 50% Less Vibrations, Rigid, Strong System
11. Responsive, Quick Release Landing Pads
12. Enhanced GPS
13. Compatible Parts for Further Functionality

The Matrice 100 is compatible with a wide range of DJI accessories including:

- **Guidance:** DJI's revolutionary sensor kit that helps your platform see its environment and recognize when obstacles or other objects are nearby.
- **X3 Camera and Gimbal:** Shoot stabilized 4K video and capture 12 megapixel images from the sky with DJI's integrated camera and 3-axis gimbal system.
- **Extra Battery:** Extend your flight time by flying with an additional DJI Intelligent Flight Battery.
- **Expansion Bays:** Use more expansion bays to put all of your desired devices onto your Matrix 100 and create a truly unique, customized platform.