

## PHANTOM 2 Product Release Notes

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Date :	January 9, 2014
PHANTOM 2 User Manual Version :	1.04
PHANTOM 2 Main Controller Firmware Version :	1.08
PHANTOM 2 Central Board Firmware Version :	1.0.1.19
PHANTOM 2 Assistant Software Version :	1.08
PHANTOM RC Assistant Software Version :	1.0

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### January 9, 2014 PHANTOM 2 Remote Controller firmware update

#### What's new?

#### Firmware

##### Remote Controller firmware updated to V1.0.1.11

1. Optimized output of the X1 channel on the Phantom 2 remote controller to improve user experience.

#### Important Notes

1. For the users of the PHANTOM 2 with H3-2D gimbal, **one must adhere to the following steps to upgrade the remote controller firmware.**
  - 1) Use the PHANTOM RC Assistant software to upgrade the remote controller firmware to V1.0.1.11.
  - 2) Calibrate the sticks and X1 channel of the remote controller using the PHANTOM RC Assistant software.
  - 3) Use the PHANTOM 2 Assistant software to upgrade the Gimbal IMU firmware to V1.8 via upgrade page.
  - 4) After the upgrade is completed, calibrate the X1 channel of the main controller using the PHANTOM 2 Assistant software to ensure compatibility of PHANTOM 2 and the H3-2D.
2. For users of PHANTOM 2 without H3-2D, conduct all of the above steps except the third to upgrade the remote controller firmware.

# PHANTOM 2 Product Release Notes

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Date :	December 27, 2013
PHANTOM 2 User Manual Version :	1.04
PHANTOM 2 Main Controller Firmware Version :	1.08
PHANTOM 2 Central Board Firmware Version :	1.0.1.19
PHANTOM 2 Assistant Software Version :	1.08
PHANTOM RC Assistant Software Version :	1.0

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## December 27, 2013 PHANTOM 2 Assistant Software for Mac Release.

### What's new?

#### Assistant Software

1. Assistant Software released with support for Mac OS X 10.6(Lion) or above. Assistant Software usages on Mac and Windows are exactly the same.

#### User Manual

1. Added installation and usage instructions for PHANTOM 2 Assistant Software on Mac OS X.

#### Notes

1. When launching for the first time on Mac OS X, please open the Assistant Software in the Finder. After the first successful launch, the application can be launched by double-clicking the PHANTOM 2 icon in the Finder or using Launchpad.
2. Please download the application installer in DMG format from the [download page](#) of PHANTOM 2 on the DJI website.
3. The Assistant Software for Windows and Mac OS X will updated simultaneously in the future.

# PHANTOM 2 Product Release Notes

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Date :	December 19, 2013
PHANTOM 2 User Manual Version :	1.02
PHANTOM 2 Main Controller Firmware Version :	1.08
PHANTOM 2 Central Board Firmware Version :	1.0.1.19
PHANTOM 2 Assistant Software Version :	1.08
PHANTOM RC Assistant Software Version :	1.0

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## December 19, 2013 PHANTOM 2 Firmware V1.08 Release.

### What's new?

#### Firmware

##### PHANTOM 2 Main Controller Firmware V1.08

1. In Phantom 2 mode, users can set a new home point once Ready to fly, as long as a home point has already been recorded automatically.
2. In a Failsafe situation, if less than 6 GPS satellites are found for more than 20 seconds, descent will begin automatically.
3. Fixed a glitch that prevented descent after the 2<sup>nd</sup> level low battery capacity warning occurs when in Naza-m mode.

#### Assistant Software

1. PHANTOM 2 and PHANTOM 2 VISION will share the PHANTOM 2 Assistant Software.

#### User Manual

1. Added the 8-Pin port sequence on AVL58 connection diagrams.
2. Added an important note: Keep the wireless video transmission module and other communicating devices away from the compass during installation and connection to avoid interference.
3. Added a note about automatic descent when GPS satellites are found less than 6 for more than 20 seconds while in Failsafe.

#### Upgrade Notes

1. Upgrade the main controller and central board firmware to the latest version using Assistant Software V1.08. Be sure the central board firmware is V1.0.1.19 or above, otherwise there will be malfunction caused by version mismatch.
2. Upgrade iOSD mini, iOSD Mark II and H3-2D firmware to the latest version before using them with PHANTOM 2.
3. If you have any problems during upgrade, please contact your dealer or DJI Customer Service.

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Date :	December 16, 2013
PHANTOM 2 User Manual Version :	1.00
PHANTOM 2 Main Controller Firmware Version :	1.06
PHANTOM 2 Assistant Software Version :	1.08
PHANTOM RC Assistant Software Version :	1.0

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## December 16, 2013 PHANTOM 2 Launched.

### PHANTOM 2 Overview

1. PHANTOM 2 is ready to fly without configuration.
2. Built-in NAZA-M V2 flight control system offers enhanced flight reliability, hover stability and easy operation.
3. Built-in DJI intelligent battery offers up to 25 minutes of flight time.
4. 9 inch self-tightening propellers allow up to 1.3kg lift off weight.
5. 2.4GHz remote control system with a separate gimbal control channel.
6. Reserved gimbal port for the Zenmuse H3-2D gimbal, allows plug and play installation.
7. Control Zenmuse H3-2D pitch.
8. Pre-installed powered video output cables for wireless video transmitter devices.
9. Reserved CAN-Bus for DJI iOSD mini, iOSD mark II, 2.4G Bluetooth Datalink and other accessories.

### New Product Features

#### 1. Easily adjustable, ready-to-fly quad-rotor

##### ● Functions

- 1) Multiple control modes: GPS flight mode and ATTI. flight mode.
- 2) On-demand manual flight and Failsafe activation.
- 3) Intelligent orientation control (IOC), enabled using the PHANTOM 2 Assistant Software.
- 4) Enhanced Failsafe mode.
- 5) Intelligent battery protection system.
- 6) PC ground station and iPad ground station compatible (coming January 2014).

##### ● Built-in

- 1) NAZA-M V2 flight control system (GPS, compass, 2.4GHz receiver).
- 2) Flight propulsion system.
- 3) Gimbal's GCU module.
- 4) Micro-USB port for PHANTOM 2 Assistant Software configuration and online upgrade.

#### 2. 2.4GHz Transmitter

- 1) Working in the 2.4GHz frequency bandwidth with maximum communication distance of 1000m.
- 2) 5 proportional channels with a total of 7 channels.
- 3) Quick controller mode switching via PHANTOM RC Assistant Software: Mode1, Mode2.
- 4) Automatic control stick centering.
- 5) Slide lever for gimbal pitch control.

#### 3. Intelligent battery

- 1) 5200mAh, ultra-large capacity battery for up to 25 minutes of flight time.
- 2) Intelligent charge and discharge protection for battery safety.
- 3) Battery level indicator.
- 4) Protective shell for safety.

## PHANTOM 2 Product Release Notes

### 4. Extended functions

- 1) Built-in port for Zenmuse H3-2D gimbal for easy plug and play functionality.
- 2) Pre-installed powered video output port for wireless video transmitter devices.
- 3) Built-in extension port for iOSD mini allows easy expansion for a better flight experience.
- 4) Built-in extension port for iOSD mark II allows a better flight experience and additional flight data recording.
- 5) Built-in extension port for 2.4G Bluetooth Datalink for ground station capability.

### Notes

Before using PHANTOM 2 with other DJI products, users should connect the products correctly and upgrade the firmware as requirements below .

Items to be upgraded	Firmware versions required	Assistant Software for upgrading	Assistant Software version
P330CB (built-in central board)	V1.0.1.19 or above	PHANTOM 2	V1.08
Zenmuse H3-2D	CMU V1.0, IMU V1.6 or above	PHANTOM 2	V1.08
iOSD Mark II	V2.04 or above	iOSD	V3.02
iOSD mini	V1.04 or above	iOSD	V3.02

\*The iOSD Assistant Software is applied to both iOSD Mark II and iOSD mini.