| | |
|---|---|
| **Date:** | **2015/07/17** |
| **NAZA-M firmware version:** | **4.06** |
| **NAZA-M Assistant software version:** | **2.40** |
| **NM Assistant (App) version:** | **1.3.9** |
| **NAZA-M Quick Start Guide:** | **1.28** |

**What's new?**

- **Firmware**
  - ✓  Improved hardware compatibility.
  - ✓  Fixed error message window prompts occasionally when setting default gain value or updating firmware.

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|---|---|
| **Date:** | **2015/06/12** |
| **NAZA-M firmware version:** | **4.04** |
| **NAZA-M Assistant software version:** | **2.40** |
| **NM Assistant (App) version:** | **1.3.9** |
| **NAZA-M Quick Start Guide:** | **1.28** |

**What's new?**

- **Firmware**

  ✓ Added Max Angular Rate settings for various propulsion systems.

  ✓ Added H4-3D or H3-3D adjustment settings including gimbal gain, horizontal and vertical angle limits, and FPV mode.

- **Assistant Software**

  ✓ Added Max Angular Rate settings and H4-3D (or H3-3D) adjustment settings to support the firmware upgrade. H4-3D or H3-3D adjustment settings include gimbal gain, horizontal and vertical angle limits, and FPV mode.

- **Manual**

  ✓ Recommended parameters for the Max Angular Rate.

**Notes:**

- NAZA-M firmware v4.04 and Assistant software v2.40 are only supported by v1.14 or later H4-3D (or H3-3D) firmware.

| | |
|---|---|
| **Date:** | **2014/05/12** |
| **NAZA-M firmware version:** | **4.02** |
| **NAZA-M Assistant software version:** | **2.20** |
| **NM Assistant (App) version:** | **1.3.9** |
| **NAZA-M Quick Start Guide:** | **1.26** |

**What's new?**

- **Software**

  Release the MAC Assistant.

- **Quick Start Guide**

  Update Quick Start Guide in accordance with new MAC Assistant.

**Note**

When launching for the first time on Mac OS X, please open the MAC Assistant in the Finder. After the first successful launch, the application can be launched by double-clicking the NAZA-M V2 icon in the Finder or using Launchpad.

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|---|---|
| **Date:** | **2013/10/25** |
| **NAZA-M firmware version:** | **4.02** |
| **NAZA-M Assistant software version:** | **2.20** |
| **NM Assistant (App) version:** | **1.3.9** |
| **NAZA-M Quick Start Guide:** | **1.22** |

**What's new?**

- **Firmware**
  - ✓ Optimize the Flight limits function
  - ✓ Support the IMU and CMU upgrade directly for the H3-2D gimbal when using the P330CB-H3-2D in the Phantom.

- **Software**
  - ✓ Revise the Flight limits description in the【Advanced】page.
  - ✓ Add IMU and CMU options in the【Upgrade】page.

- **Manual**
  - ✓ Revise the Flight limits description.

**Important:**

- Make sure to reconfigure all parameters and recalibrate the Transmitter in the assistant software after upgrading the firmware, since the upgrade will reset all parameters.
- For the PHANTOM users, after upgrading the firmware please download the Phantom Default Configuration Parameters from DJI website and upload them to the Main controller in the assistant software, then reconfigure all parameters and recalibrate the Transmitter.
- If users degrade the firmware from the version 4.02 to other versions, please make sure to【Reset Default Parameters】in the 【Tools】page, otherwise may weaken the flight performances.

**Notes:**

- For safety reason, do not use power battery during firmware upgrade.

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|---|---|
| **Date:** | **2013/08/05** |
| **NAZA-M firmware version:** | **3.16** |
| **NAZA-M Assistant software version:** | **2.16** |
| **NM Assistant (App) version:** | **1.3.5** |
| **NAZA-M Quick Start Guide:** | **1.16** |

**Functions:**

- Manual Mode( user select Manual, Atti and Failsafe);
- Atti. Mode;
- Gps Mode;
- Intelligent Orientation Control(CF)：Course lock/Home lock;
- Enhanced Fail-Safe：Landing / go home & landing;
- Quad-rotor I, X; Hex-rotor I, V; Y, IY; Octo-rotor X, I, V;
- Combination Stick Command to start; Immediately Mode and Intelligent Mode to stop;
- Remote gain tuning;
- Two-axis gimbal supported, Multi Gimbal Servo Output Frequency Supported;
- Support Normal receiver, D-Bus Port support S-bus and PPM receiver;
- Voltage Monitor and Low Voltage Protection;
- 4 channels transmitter support;
- Five-level Motor Idle Speed adjustable in Motor Mixer;
- IMU Calibration function;
- Support PMU extend module, could connect with iOSD, H3-2D gimbal and NAZA-M BTU module;
- Add Receiver Advanced Protection Function.

**What's new?**

- **Firmware**
  - ✓ Parameter configuration by NM Assistant is supported. (BTU module is required. Download the App software from iOS App store or scan the QR code to get the download link.)
  - ✓ iOSD mini supported.
  - ✓ S-bus II receiver supported.
  - ✓ Optimize the warming up condition, to avoid a long wait period before aircraft can takeoff.
- **Software**
  - ✓ Add tips for IMU Advanced calibration time out.
- **Manual**
  - ✓ Add connection diagrams when used with other DJI products.

**Important:**

- Make sure to reconfigure all parameters in the assistant software after upgrading firmware, since V3.16 upgrade will reset all parameters.

**Notes:**

- For safety reason, do not use power battery during firmware upgrade.

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|---|---|
| **Date:** | **2013/07/04** |
| **NAZA-M firmware version:** | **3.14** |
| **NAZA-M assistant software version:** | **2.14** |
| **NAZA-M Quick Start Guide:** | **1.10** |

**Functions:**

- Manual Mode( user select Manual, Atti and Failsafe);
- Atti. Mode;
- Gps Mode;
- Intelligent Orientation Control(CF)：Course lock/Home lock;
- Enhanced Fail-Safe：Landing / go home & landing;
- Quad-rotor I, X; Hex-rotor I, V; Y, IY; Octo-rotor X, I, V;
- Combination Stick Command to start; Immediately Mode and Intelligent Mode to stop;
- Remote gain tuning;
- Two-axis gimbal supported, Multi Gimbal Servo Output Frequency Supported;
- Support Normal receiver, D-Bus Port support S-bus and PPM receiver;
- Voltage Monitor and Low Voltage Protection;
- 4 channels transmitter support;
- Five-level Motor Idle Speed adjustable in Motor Mixer;
- IMU Calibration function;
- Support PMU extend module, could connect with iOSD, H3-2D gimbal and NAZA-M Bluetooth module(coming soon);
- Add Receiver Advanced Protection Function.

**What's new?**

- **Firmware**
  - ✓ Optimize the compatibility for Zenmuse H3-2D gimbal.
  - ✓ Add calibration function of X1 channel(X1 is used for pitch control of normal gimbal and Zenmuse H3-2D gimbal).
  - ✓ Change the default aircraft type to X4 instead of I4.

- **Software**
  - ✓ Add calibration function of X1 channel(X1 is used for pitch control of normal gimbal and Zenmuse H3-2D).

**Notices：**

- For safety reason, do not use power battery during firmware upgrade.
- Make sure reconfigure all parameters after upgrading firmware.

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|---|---|
| **Date:** | **2013/05/17** |
| **NAZA-M firmware version:** | **3.12** |
| **NAZA-M assistant software version:** | **2.12** |
| **NAZA-MQuick Start Guide:** | **1.04** |

## Functions:

- Manual Mode( user select Manual, Atti and Failsafe);
- Atti. Mode;
- GpsAtti.Mode;
- Intelligent Orientation Control(CF)：Course lock/Home lock;
- Enhanced Fail-Safe：Landing / go home & landing;
- Quad-rotor I, X; Hex-rotor I, V; Y, IY; Octo-rotor X, I, V;
- Combination Stick Command to start; Immediately Mode and Intelligent Mode to stop;
- Remote gain tuning;
- Two-axis gimbal supported, Multi Gimbal Servo Output Frequency Supported;
- Support Normal receiver, D-Bus Port support S-bus and PPM receiver;
- Voltage Monitor and Low Voltage Protection;
- 4 channels transmitter support;
- Five-level Motor Idle Speed adjustable in Motor Mixer;
- IMU Calibration function;
- Support PMU extend module, could connect with iOSD, H3-2D gimbal and NAZA-M Bluetooth module (coming soon);
- Add Receiver Advanced Protection Function.

## What's new?

- **Firmware**
  - ✓ Add Receiver Advanced Protection Function.
  - ✓ Fix the problem of Transmitter mid point deviation and travel asymmetry. Add mid point checking when power on, if mid point deviation is too big, motor start fails and there is Red LED indicator to warn you.
  - ✓ Optimize stop motor in Intelligent Mode, the criterion of stopping motor changes from under 40% throttle stick to under 10%.
- **Software**
  - ✓ New UI design, simple and easy to use.
  - ✓ Add Receiver Advanced Protection Function on the Basic->RC tab.
- **Manual**
  - ✓ New **Quick Start Guide,** matched with the new assistant software.
  - ✓ Add instruction for the corresponding function.

## Notices：

- For safety reason, do not use power battery during firmware upgrade.
- Make sure reconfigure all parameters after upgrading firmware.

| | |
|---|---|
| **Date:** | **2013/05/01** |
| **NAZA-M firmware version:** | **3.10** |
| **NAZA-M assistant software version:** | **2.10** |
| **NAZA-M Quick Start Guide:** | **1.00** |

**Functions:**

- Manual Mode( user select Manual, Atti and Failsafe);
- Atti. Mode;
- GpsAtti.Mode;
- Intelligent Orientation Control(CF)：Course lock/Home lock
- Enhanced Fail-Safe：Landing / go home & landing
- Quad-rotor I, X; Hex-rotor I, V; Y, IY; Octo-rotor X, I, V;
- Combination Stick Command to start; Immediately Mode and Intelligent Mode to stop;
- Remote gain tuning;
- Two-axis gimbal supported, Multi Gimbal Servo Output Frequency Supported
- Support Normal receiver, D-Bus Port support S-bus and PPM receiver;
- Voltage Monitor and Low Voltage Protection
- 4 channels transmitter support
- Five-level Motor Idle Speed adjustable in Motor Mixer.
- IMU Calibration function;
- Support PMU extend module, could connect with IOSD, H3-D2 gimbal and NAZA-M Bluetooth module(coming soon);

**What's new?**

- **Firmware**
  - ✓ New attitude stabilize algorithm, provides better flight performance;
  - ✓ New flight control feeling(takeoff is more stable and easy;flight will be more smooth);
  - ✓ Auto course error compensation;
  - ✓ Support octo-rotor; Add protection for Hexa-copter, octo-copter when lost one motor power;
  - ✓ Add IMU advanced calibration, sensor error monitoring and protections function;
  - ✓ Support PMU module with CAN BUS port, could support iOSD, GoPro gimbal and NAZA-M Bluetooth module(coming soon), and so on;
  - ✓ Increased demand for GPS signal strength increased the compass interference monitoring and warning, maximumly reduced the effects of magnetic disturbance.
  - ✓ Add new LED informations;

**Software**
  - ✓ New UI design, simple and easy to use.
- **Manual**
  - ✓ New **Quick Start Guide,** matched with the new assistant software

**Notices：**

- For safety reason, do not use power battery during firmware upgrade.
- Make sure reconfigure all parameters after upgrading firmware.

**Date:** 2012/08/30

**NAZA firmware version:** 2.02

**NAZA assistant software version:** 1.8

**NAZA user manual version:** 2.3

## Functions:

- Manual Mode;
- Atti. Mode;
- GpsAtti.Mode;
- Intelligent Orientation Control(CF)：Course lock/Home lock
- Enhanced Fail-Safe：Landing / go home & landing
- Quad-rotor I, X; Hex-rotor I, V; Y, IY
- Combination Stick Command to start; Immediately Mode and Intelligent Mode to stop;
- Remote gain tuning;
- Two-axis gimbal supported, Multi Gimbal Servo Output Frequency Supported
- S-Bus Support;PPM Support
- Voltage Monitor and Low Voltage Protection
- 4 channels transmitter support
- Five-level Motor Idle Speed adjustable in Motor Mixer.
- IMU Calibration

## What's new?

- PPM Receiver Supported
- Multi Gimbal Servo Output Frequency Supported
- IMU Calibration for eliminating gyroscope bias

## Notices：

- For safety reason, do not use power battery during firmware upgrade.
- Make sure reconfigure all parameters after upgrading firmware.

**Date:** 2012/05/18

**NAZA firmware version:** 2.01

**NAZA assistant software version:** 1.6

**NAZA user manual version:** 2.0

**Functions:**

- Manual Mode;
- Atti. Mode;
- GpsAtti.Mode;
- Intelligent Orientation Control(CF)：Course lock/Home lock
- Enhanced Fail-Safe：Landing / go home & landing
- Quad-rotor I, X; Hex-rotor I, V; Y, IY
- Combination Stick Command to start; Immediately Mode and Intelligent Mode to stop;
- Remote gain tuning;
- Two-axis gimbal supported
- S-Bus Support
- Voltage Monitor and Low Voltage Protection
- 4 channels transmitter support
- Five-level Motor Idle Speed adjustable in Motor Mixer.

**What's new?**

- Five-level Motor Idle Speed adjustable in Motor Mixer.
- GpsAtti.Mode(Green light blink)

  GPS satellites：GPS satellites < 5 with three red blinks GPS satellites， GPS >=7 with no red blink.

  Compass Calibration**:** step1 yellow light is on，step2 green light on, go into normal mode if successful, otherwise calibration fail and red light quickly blink.

- Intelligent Orientation Control(CF, yellow and green blink indication)：Course lock/Home lock

  LED will blink green quickly if forward direction or home recording is successful.

- Enhanced Fail-Safe：Landing / go home & landing

**Notices：**

- Make sure reconfigure all parameters after upgrading firmware.
- Setting idle speed too low may affect motor(s) spool up. Setting idle speed too high may affect aircraft take off at lowest throttle position. Please refer to user manual for details.
- After the previous version Naza upgrading, the Atti. Mode switch (original setting) will be changed into GpsAtti.Mode.

| | |
|---|---|
| **Date:** | **01February 2012** |
| **NAZA firmware version:** | **1.04** |
| **NAZA assistant software version:** | **1.2** |
| **NAZA user manual version:** | **1.4** |

**Functions:**

- Manual Mode;
- Atti. Mode;
- Auto level and descend Fail-Safe;
- Quad-rotor I, X; Hex-rotor I, V; Y, IY
- Combination Stick Command to start; Immediately Mode and Intelligent Mode to stop;
- Remote gain tuning;
- Two-axis gimbal supported
- S-Bus Support
- Voltage Monitor and Low Voltage Protection
- 4 channels transmitter support

**What is new?**

- Support hex-rotor Y, IY.

| | |
|---|---|
| **Date:** | **22December 2011** |
| **NAZAfirmware version:** | **1.02** |
| **NAZAassistant software version:** | **1.1** |

**Functions:**

- Manual Mode;
- Atti. Mode;
- Auto level and descend Fail-Safe;
- Quad-rotor I, X; Hex-rotor I, V;
- Combination Stick Command to start; Immediately Mode and Intelligent Mode to stop;
- Remote gain tuning;
- Two-axis gimbal supported
- S-Bus Support
- Voltage Monitor and Low Voltage Protection
- 4 channels transmitter support

**What is changed?**

- Max tilt angleis changed from 35° to 45°
- Max Yaw Angular Velocity is changed from 150°/s to 200°/s
- In "Cut Off Type"-"Immediately" Mode: By using this mode, in any control mode, once motors start and throttle stick is over 10%, motors will stop immediately when throttle stick is back under 10% again. In this case, if you push the throttle stick over 10% in 5 seconds after motors stop, motors will re-start, CSC is no need.
- New self-check LED indication.
- New LED indication for stick center point.

**What is new?**

- 4-channel transmitter support (default mode is "Atti" if there is no cable on U channel), then there is no fail-safe.

**Date:** 16 December 2011

**NAZA firmware version:** 0.1

**NAZA assistant software version:** 1.0

**Functions:**

- Manual Mode;
- Atti. Mode;
- Altitude lock;
- Auto level and descend Fail-Safe;
- Quad-rotor I, X; Hex-rotor I, V;
- Combination Stick Command to start; Immediately Mode and Intelligent Mode to stop;
- Remote gain tuning;
- Two-axis gimbal supported
- S-Bus Support
- Voltage Monitor and Low Voltage Protection

**What is changed?**

- Logo change in assistant software