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New Product Release—A2 flagship multi-rotor controller

DJI is pleased to announce a new flagship multi-rotor controller, it's called the A2. Superseding the Wookong family, the A2 sticks closely to the DJI's tradition of wowing customers with high specs, but it also innovates dramatically in a couple of key areas, which DJI hopes will give it an edge over the competition.

Differentiations

1. High-end of the high-end



Inherited from the technology of DJI's Wookong series controller, the A2 offers you a brand new flight experience with a new design philosophy.

2. Precise position hold in extreme environments

With the new generation GPS Module, the multi-rotor will have more accurate position and altitude lock even in semi closed environment.



3. High accuracy and anti-vibration characteristics



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Hovering accuracy is improved by the upgraded IMU whose anti-vibration characteristic is significantly improved. With the A2, flying a multi-rotor will be as easy as driving a car.



4. Built-in 2.4ghz DESST Receiver

The A2 has a built-in 2.4ghz DESST receiver which greatly simplifies the system complexity and improves the security of the remote control system

The A2 is compatible to the following receivers:

- Futaba FASST series receiver
- JR/SPEKTRUM receiver with two-way DSM2 satellite interface
- Futaba S-Bus receiver with S-BUS interface
- Traditional receiver with DJI DBUS ADAPTER module



5. Flexible extension capability

The A2 is equipped with a minimum of twelve output channels, which allows users to greatly extend the



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advantages of the A2.



6. Remote parameter adjustment enabled

The A2 provides assistant software for iOS devices (Bluetooth 4.0). You can adjust parameters at any time on your mobile device, using only an LED indicator with a built-in Bluetooth module, which makes it easier and convenient. It uses low power Bluetooth to minimize the power consumption of your mobile device. It is easy to use and will automatically save your last connection records. The password mechanism ensures your link is safe. Parameters can be automatically synchronized to the Cloud Server and can be restored immediately when you change your mobile device.

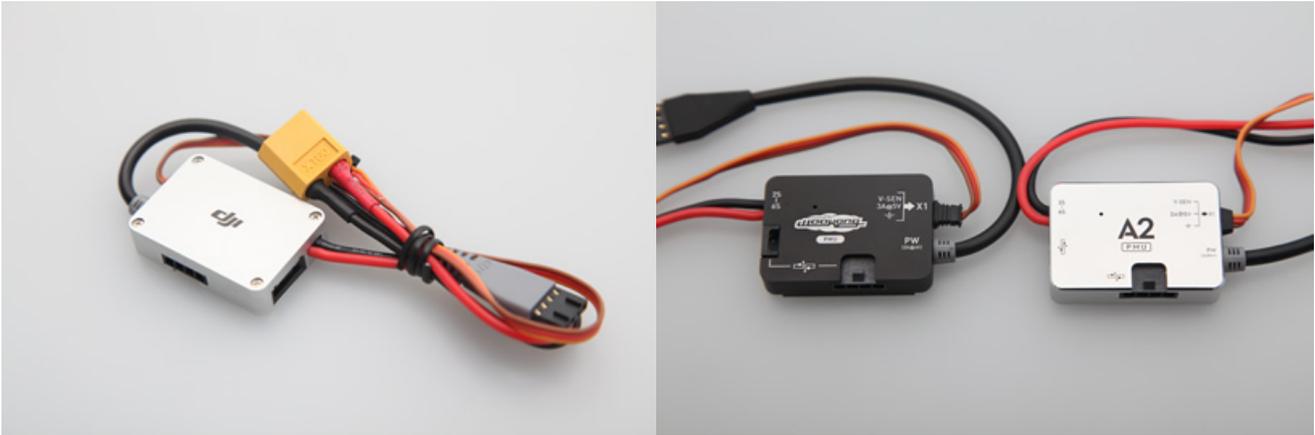


7. Upgraded Power Management Unit

The power management unit (PMU) is upgraded for the A2 to solve the high power consumption. It contains two power outputs for the entire A2 system and receiver separately, a battery voltage monitor, and two CAN-Bus interfaces.



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8. Dual CAN-Bus system

The A2 system has a dual CAN-Bus design, which means that the system data throughput will be doubled and the extensibility is improved.



10. Advanced friendly features

- Motor test
- Power lock when connect assistant software
- Inverted Nose-In Return-to-Home
- HOME point/instruction
- Compass error alarming



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Technical Specifications

General	
Built-In Functions	<ul style="list-style-type: none">● Built-in Receiver● Multiple Control Modes● 2-axle Gimbal Supported● Enhanced FailSafe● Intelligent Orientation Control● Dynamical Systems Protection● PC & Bluetooth Ground Station● External Receiver Supported● 9 Types of Supported Multi-rotor● Other DJI Products Supported● Low Voltage Protection● Configure Para Via Bluetooth● Sound Alarm● 4 Configurable Output
Peripheral	
Supported Multi-rotor	<ul style="list-style-type: none">● Quad-rotor: I4, X4● Hexa-rotor: I6, V6, Y6, IY6● Octo-rotor: X8, I8, V8
Supported ESC output	400Hz refresh frequency.
Supported Transmitter for Built-in Receiver	Futaba FASST Series and DJI DESST Series
External Receiver Supported	Futaba S-Bus, S-Bus2, DSM2
Recommended Battery	2S ~ 6S LiPo
Assistant Software System Requirement	Windows XP SP3 / 7 / 8 (32 or 64 bit)
Other DJI Products Supported	Z15 , H3-2D , iOSD , DBUS Adapter , 2.4G Data Link
Electrical & Mechanical	
Power Consumption	MAX 5W (Typical Value: 0.3A@12.5V)
Operating Temperature	-5°C to +60°C
Total Weight	<= 224g (overall)
Dimensions	<ul style="list-style-type: none">● MC: 54mm x 39mm x 14.9mm● IMU: 41.3mm x 30.5mm x 26.3mm● GPS-COMPASS PRO: 62 mm (diameter) x 14.3 mm● PMU: 39.5mm×27.6mm×9.8mm● LED-BTU-I : 30mm x 30mm x 7.9mm
Flight Performance (can be effected by mechanical performance and payloads)	
Hovering Accuracy (In GPS Mode)	<ul style="list-style-type: none">● Vertical: ± 0.5m● Horizontal: ± 1.5m
Maximum Wind Resistance	<8m/s (17.9mph / 28.8km/h)



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Max Yaw Angular Velocity	150deg/s
Max Tilt Angle	35°
Ascent / Descent	±6m/s