DJI CP.MA.00000354.01

DJI Air 2S Drone Instruction Manual

Model: CP.MA.00000354.01

1. Introduction

The DJI Air 2S is a compact and powerful drone designed for aerial photography and videography. Featuring a 1-inch CMOS sensor, advanced autonomous functions, and a lightweight design, it is suitable for capturing stunning visuals in various environments.

This manual provides essential information for the safe and effective operation of your DJI Air 2S drone. Please read it thoroughly before first use.



Figure 1: The DJI Air 2S drone in its unfolded state, ready for flight.

2. What's in the Box

Verify that all components are present upon unboxing:

- Aircraft × 1
- Remote Control × 1
- Intelligent Flight Battery × 1
- Battery Charger × 1
- AC Power Cable × 1
- Propeller (Pairs)
- Gimbal Protector × 1
- USB Type-C Cable × 1
- DJI RC-N1 RC Cable (USB-C Connector) × 1
- DJI RC-N1 RC Cable (Lightning Connector) × 1
- DJI RC-N1 RC Cable (Standard Micro-USB Connector) × 1
- Spare DJI RC-N1 Control Sticks (Pair) × 1

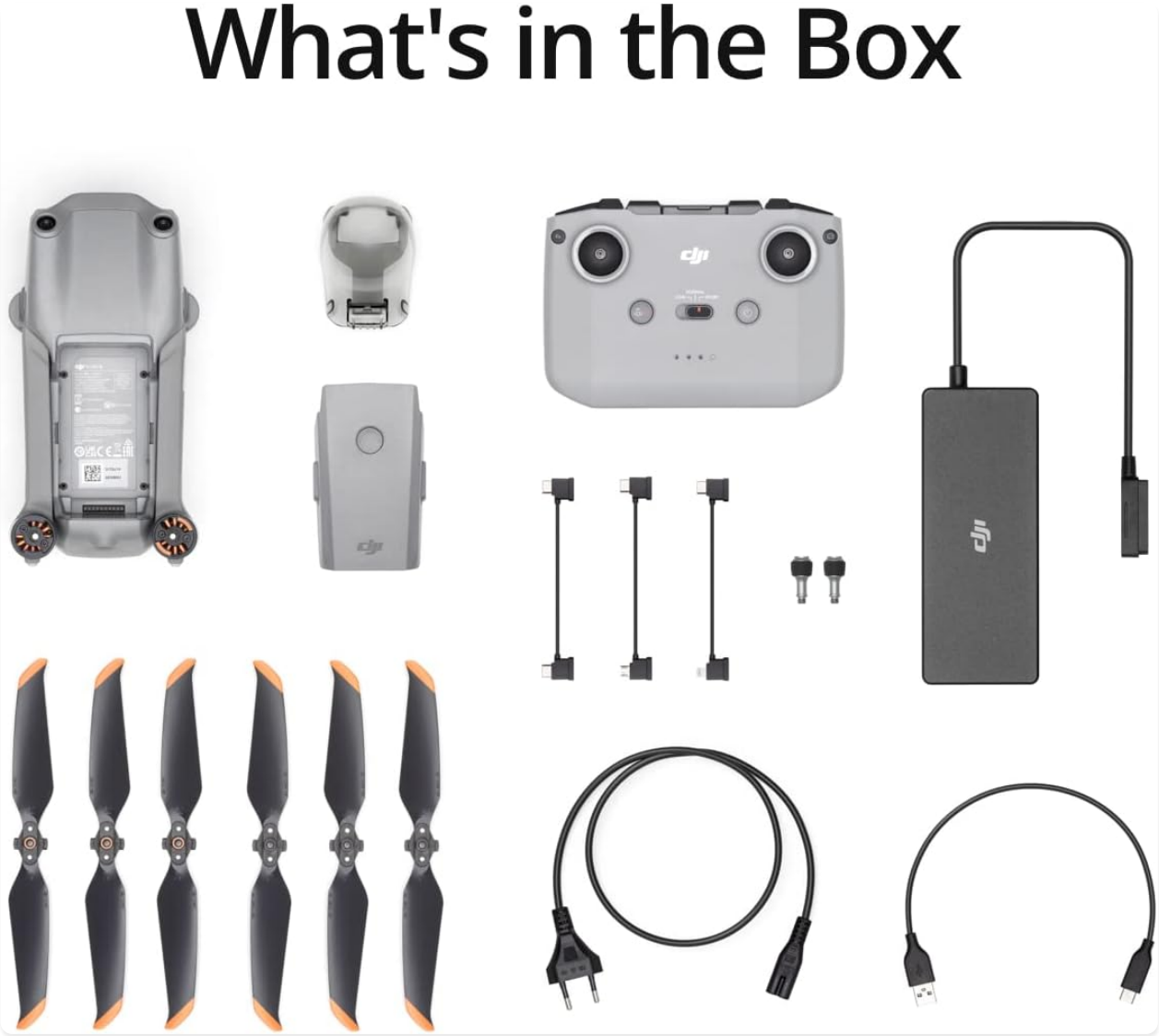


Figure 2: All components included in the DJI Air 2S package.

3. Setup

3.1 Unfolding the Aircraft

Carefully unfold the front arms first, then the rear arms. Ensure all arms are fully extended and locked into place before flight.



Figure 3: The DJI Air 2S drone in its compact, folded state for transport.

3.2 Battery Installation and Charging

1. Insert the Intelligent Flight Battery into the battery compartment on the rear of the aircraft until it clicks securely into place.
2. Connect the battery charger to the AC power cable, then plug it into a power outlet.
3. Connect the charger to the Intelligent Flight Battery. The battery indicator lights will show charging progress.

3.3 Remote Controller Setup

1. Unfold the mobile device clamp on the remote controller.
2. Attach your smartphone to the remote controller using the appropriate RC cable (Lightning, USB-C, or Micro-USB).
3. Ensure the control sticks are securely screwed into the remote controller.

3.4 Activating DJI Air 2S

The DJI Air 2S requires activation before first use. After powering on the aircraft and remote controller, follow the on-screen instructions to activate DJI Air 2S using the DJI Fly app. An internet connection is required for activation.

4. Operating the Drone

4.1 Basic Flight Controls

Familiarize yourself with the remote controller and the DJI Fly app interface for basic flight operations. Always ensure you have a clear line of sight to the drone during flight.



Figure 4: A pilot operating the DJI Air 2S drone in an open outdoor environment.

4.2 Intelligent Features

The DJI Air 2S is equipped with several intelligent features to enhance your flying and filming experience:

- **MasterShots:** This advanced intelligent feature allows the drone to automatically perform a sequence of

complex flight maneuvers while recording, then generates a short cinematic video. Simply select your subject, and the drone will execute the shots.



Figure 5: The DJI Fly app interface showing the MasterShots feature in action, with the drone tracking a subject.

- **FocusTrack:** This suite of tracking modes includes Spotlight 2.0, ActiveTrack 4.0, and Point of Interest 3.0. It enables the DJI Air 2S to follow or circle your subject with ease.
  Note: FocusTrack is not available while recording in 5.4K/30fps, 5.4K/25fps, 5.4K/24fps, 4K/60fps, 4K/50fps, 4K/48fps, 2.7K/60fps, 2.7K/50fps, 2.7K/48fps, 1080p/120fps, 1080p/60fps, 1080p/50fps, and 1080p/48fps. FocusTrack is also not available when shooting 5.4K video.
- **Obstacle Sensing:** The DJI Air 2S features advanced environment sensing in four directions: up, down, forward, and backward. This allows the drone to actively avoid obstacles, even in complex scenarios and at high speeds.



Figure 6: Diagram illustrating the four-directional obstacle sensing capabilities of the DJI Air 2S.

- **1-Inch CMOS Sensor:** Equipped with a 1-inch image sensor and large 2.4µm pixels, the DJI Air 2S is capable of capturing high-quality 5.4K/30fps and 4K/60fps video. The 10-bit Dlog-M color profile can record up to one billion colors, retaining fine details.



Figure 7: Close-up view of the DJI Air 2S camera featuring its 1-inch CMOS sensor.

- **O3 (OcuSync 3.0) Video Transmission:** DJI Air 2S features DJI's most advanced O3 image transmission technology, providing an ultra-smooth, clear, and reliable image feed up to 7.5 miles (12 km) away.

5. Maintenance

- Regularly inspect propellers for any damage (cracks, bends, chips) and replace them if necessary.
- Keep the camera lens and vision sensors clean using a soft, dry cloth.
- Store the drone and batteries in a cool, dry place, away from direct sunlight.
- Ensure batteries are charged to approximately 50-60% for long-term storage to maintain battery health.

6. Troubleshooting

Problem	Possible Cause	Solution
Drone does not power on	Low or depleted battery	Charge the Intelligent Flight Battery fully.
Loss of video transmission	Interference or drone out of range	Fly the drone closer to the remote controller and avoid areas with strong interference.
Gimbal overloaded message	Gimbal obstruction or error	Ensure the gimbal protector is removed and there are no obstructions. Restart the drone.
Drone not activating	No internet connection or DJI Fly app issue	Ensure a stable internet connection. Update or reinstall the DJI Fly app.

7. Specifications

Feature	Detail
Brand	DJI
Model Number	CP.MA.00000354.01
Item Weight	595 Grams (1.31 pounds)
Product Dimensions	9.96"L x 7.2"W x 3.03"H
Video Capture Resolution	5.4K
Optical Sensor Technology	CMOS (1-inch)
Maximum Range	7.5 Miles (12 km)
Flight Time	Up to 31 minutes (typical)
Obstacle Sensing	4 Directions (Up, Down, Forward, Backward)
Operating Temperature	0° to 40°C (32° to 104°F)
Battery Type	Lithium Polymer
Skill Level	Intermediate

8. Warranty and Support

For detailed warranty information and customer support, please refer to the official DJI website or the documentation included with your product. You can also find additional resources, including user guides and safety information, at the following links:

- User Guide (PDF)
- Safety Information (PDF)
- Certificate of Compliance (PDF)

For further assistance, visit the official DJI Store on Amazon.

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