

manuals.plus /

- › [DJI](#) /
- › [DJI Air 3S Fly More Combo \(RC-N3\) Instruction Manual](#)

DJI DJI Air 3S

DJI Air 3S Fly More Combo (RC-N3) Instruction Manual

INTRODUCTION TO THE DJI AIR 3S FLY MORE COMBO (RC-N3)

The DJI Air 3S is an advanced drone designed for aerial photography and videography, featuring dual cameras, enhanced obstacle avoidance, and extended flight capabilities. This manual provides essential information for setting up, operating, and maintaining your DJI Air 3S Fly More Combo (RC-N3) to ensure safe and optimal performance.

1. SETUP AND UNBOXING

The DJI Air 3S Fly More Combo (RC-N3) includes all necessary components to get you started. Carefully unbox your drone and familiarize yourself with the included items.

1.1 What's in the Box

Your Fly More Combo package contains the following items:

- DJI Air 3S Aircraft x1
- DJI RC-N3 Remote Controller x1
- DJI Air 3S Intelligent Flight Battery x3
- DJI Shoulder Bag x1
- DJI Air 3S ND Filter Set (ND8/32/128) x1
- DJI Air 3 Series Battery Charging Hub x1
- DJI RC-N3/N2/N1 RC Cable (USB-C Connector) x1
- DJI RC-N3/N2/N1 RC Cable (Lightning Connector) x1
- DJI Air 3 Series Spare Low-Noise Propellers (Pair) x3
- DJI Air 3S Gimbal Protector x1
- Type-C to Type-C PD Cable x1

Note: A battery charger is sold separately. It is recommended to purchase the DJI 65W Portable Charger.



Image: All components included in the DJI Air 3S Fly More Combo (RC-N3) package, neatly arranged. This includes the DJI Air 3S drone, DJI RC-N3 remote controller, three intelligent flight batteries, a battery charging hub, an ND filter set, and a shoulder bag, along with various cables and spare propellers.

1.2 Initial Preparation

Before your first flight, ensure all components are properly prepared.

1. **Remove Gimbal Protector:** Carefully remove the gimbal protector from the camera.
2. **Unfold Aircraft Arms:** Unfold the drone's arms until they click into place.
3. **Attach Propellers:** Ensure propellers are securely attached according to the markings (A to A, B to B).
4. **Insert Battery:** Insert a fully charged Intelligent Flight Battery into the aircraft.
5. **Charge Remote Controller:** Ensure your DJI RC-N3 remote controller is fully charged.

Your browser does not support the video tag.

Video: A step-by-step guide on preparing the DJI Air 3S for its first flight, including removing the gimbal protector, unfolding the arms, attaching propellers, and powering on the aircraft and remote controller.

2. PRE-FLIGHT PREPARATIONS

Before every flight, perform the following checks:

- **Check Local Regulations:** Always check and strictly abide by local laws and regulations before flying.
- **Firmware Update:** Ensure both the drone and remote controller have the latest firmware. Connect to Wi-Fi and

follow prompts in the DJI Fly app.

- **Account Binding:** Unbind your account from previous devices if necessary via DJI Fly app (Profile > Device Management > Remove Device From Account).
- **Battery Levels:** Verify all intelligent flight batteries and the remote controller are sufficiently charged.
- **Propeller Condition:** Inspect propellers for any damage or wear. Replace if necessary.
- **Gimbal Protector:** Confirm the gimbal protector is removed.
- **Flight Environment:** Choose an open, unobstructed area for flight. Avoid severe weather conditions (strong winds, snow, rain, fog).
- **GPS Signal:** Ensure strong GPS signal before takeoff.

Your browser does not support the video tag.

Video: This segment provides a visual guide to basic flight operations, including automatic takeoff and landing, and manual control stick movements for ascending, descending, yawing, and moving the drone horizontally.

3. BASIC FLIGHT OPERATIONS

Familiarize yourself with the basic controls for safe and effective flight.

3.1 Auto Takeoff and Landing

1. Place the aircraft on a level surface with the rear facing you.
2. Ensure the remote controller is in Normal mode.
3. Launch the DJI Fly app and wait for the GNSS status icon to turn white, indicating sufficient GPS signal.
4. Tap the Takeoff icon in the app and confirm. The aircraft will automatically ascend to a safe altitude.
5. To land, tap the Landing icon in the app and confirm. The aircraft will descend and land automatically.

3.2 Manual Flight Controls (Mode 2)

The following operations are based on Mode 2 control settings:

- **Ascend/Descend:** Push the left stick up or down.
- **Yaw (Rotate):** Push the left stick left or right.
- **Forward/Backward:** Push the right stick up or down.
- **Left/Right:** Push the right stick left or right.

4. PHOTOS AND VIDEOS

The DJI Air 3S is equipped with advanced camera systems for high-quality imaging.

4.1 Camera Features

- **1-inch CMOS Wide-Angle Camera:** 24mm equivalent, 50 MP effective still resolution, f/1.8 aperture.
- **1/1.3-inch CMOS Medium Tele Camera:** 70mm equivalent, 48 MP effective still resolution, f/2.8 aperture.
- **4K/60fps HDR Video:** Capture cinematic footage with up to 14 stops of dynamic range.
- **4K/120fps Slow-Motion Video:** Capture vibrant perspectives and minute movements.
- **Free Panorama Mode:** Create seamless panoramic shots.
- **225° Gimbal Rotation:** Allows for true vertical video and flexible shooting angles.

Upgraded 1" CMOS, Crystal-Clear Image Quality

1/1.3" CMOS
Medium Tele Camera

1" CMOS
Wide-Angle Camera



1x



3x



Image: A close-up view of the DJI Air 3S's dual camera setup, showcasing the 1-inch CMOS wide-angle camera and the 1/1.3-inch CMOS medium tele camera, emphasizing its advanced imaging capabilities.

4.2 Capturing Footage

1. **Focus:** Half-press the Focus/Photo button on the right side of the remote controller to auto-focus.
2. **Record:** Press the Record button once to start or stop video recording.
3. **Zoom:** Use the right dial on the remote controller for zoom in/out.
4. **Gimbal Tilt:** Use the left dial to adjust the gimbal's tilt.
5. **Switch Cameras:** Tap the camera icon in the DJI Fly app to switch between wide-angle and medium tele cameras.

4.3 Exporting Footage

Footage is stored on the aircraft's 42GB built-in storage or an inserted microSD card.

- **Quick Transfer:** Launch the DJI Fly app, tap the Quick Transfer card, and connect to the aircraft's Wi-Fi. You can download footage directly to your mobile device even when the aircraft is powered off.
- **Data Cable:** Connect the aircraft to a computer via a data cable to export footage without powering on the aircraft.
- **Card Reader:** Export footage from the microSD card using a card reader.

Safe Nighttime Flying for Expanded Views



Nightscape
Omnidirectional
Obstacle Sensing ^[1]

Next-Gen Smart
Return-to-Home

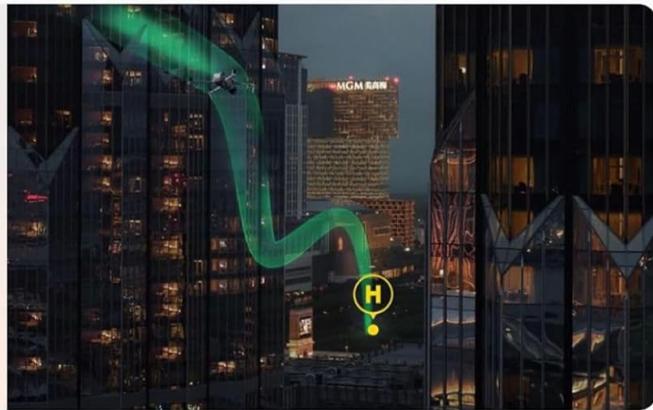


Image: The DJI Air 3S drone in flight, capturing a wide panoramic view of a stunning mountain range and lake, illustrating the capabilities of its Free Panorama Mode.

5. SMART RTH (RETURN-TO-HOME)

Smart RTH ensures the safe return of your aircraft to its Home Point.

- **Activation:** Smart RTH requires the aircraft to have successfully recorded the Home Point.
- **Obstacle Avoidance:** Forward-facing LiDAR and additional sensors enable nightscape omnidirectional obstacle sensing, allowing the drone to circumvent buildings and obstacles during flight and return paths.
- **Optimal Route:** Powerful upgraded algorithms allow the Air 3S to intelligently select the optimal RTH route and quickly fly back to the Home Point, even in areas with weak GPS signals.
- **Nighttime RTH:** The drone can memorize flight paths in well-lit conditions, enabling safe returns even without satellite signals.

Free Panorama: Seamless and Detailed



Image: Visual representation of the DJI Air 3S's advanced safety features, including Nightscape Omnidirectional Obstacle Sensing (showing detection rings around the drone) and Next-Gen Smart Return-to-Home (showing a green flight path through a city at night).

6. STORAGE

Proper storage is crucial for the longevity of your DJI Air 3S.

- **Fold Aircraft Arms:** Fold the aircraft arms for compact storage.
- **Attach Gimbal Protector:** Always reattach the gimbal protector when storing the drone to prevent damage.
- **Shoulder Bag:** Use the provided DJI Shoulder Bag for safe transport and storage of the drone and its accessories.
- **Battery Storage:** Store intelligent flight batteries at approximately 50% charge for long-term storage to maintain battery health.

7. MAINTENANCE

Regular maintenance ensures your DJI Air 3S remains in optimal condition.

- **Cleanliness:** Keep the drone, remote controller, and accessories clean and free from dust and debris.
- **Propeller Inspection:** Regularly check propellers for cracks, bends, or other damage. Replace immediately if any damage is found.
- **Battery Care:** Avoid overcharging or completely discharging batteries. Store them in a cool, dry place.
- **Firmware Updates:** Periodically check for and install firmware updates for improved performance and new features.
- **Gimbal Protection:** Always use the gimbal protector when the drone is not in use or during transport.

8. TROUBLESHOOTING

Common issues and their solutions:

- **Drone Not Activating/Charging:** Ensure your account is unbound from previous devices and firmware is updated. Batteries need to be activated by being initially charged in the drone itself before using the charging hub.
- **Weak GPS Signal:** Fly in open areas away from crowds, buildings, mountains, and trees. These can block GNSS signals and affect the onboard compass.
- **Obstacle Avoidance Issues:** Vision systems may not work properly in dim environments (illuminance lower than 10 lux). Avoid flying near areas with magnetic or radio interference (Wi-Fi hotspots, routers, Bluetooth devices, high-voltage lines, radar stations).
- **Battery Charger Not Included:** The DJI 65W Portable Charger is recommended and sold separately.
- **Propeller Damage:** Replace damaged propellers immediately using the provided spare low-noise propellers.

9. SPECIFICATIONS

Feature	Detail
Brand	DJI
Model Name	DJI Air 3S
Item Weight	724 Grams (1.6 pounds)
Video Capture Resolution	4K
Effective Still Resolution	48 MP (Medium Tele), 50 MP (Wide-Angle)
Maximum Flight Time	45 minutes
Maximum Range	20 Kilometers
Built-in Storage	42GB
Obstacle Sensing	Nightscape Omnidirectional (Forward-facing LiDAR + additional sensors)
Connectivity Technology	Bluetooth, Wi-Fi

10. WARRANTY AND SUPPORT

For assistance with your DJI Air 3S, please contact Amazon Customer Service.

DJI offers protection plans for extended coverage. Please refer to the product page for details on available 2-Year, 3-Year, and Complete Protect plans.