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DJI DJI Flip

DJI Flip Drone with RC 2 Controller Instruction Manual

Model: DJI Flip (RC 2)

Brand: DJI

1. INTRODUCTION AND OVERVIEW

The DJI Flip combines a compact design with exceptional imaging capabilities. It features palm takeoff functionality, eliminating the need for a remote controller for initial launch. Subject tracking ensures your desired subject remains in focus during flight. Foldable propeller guards enhance both portability and safety during operation and transport.

Key Features:

- **Full-Coverage Propeller Guards:** Made from lightweight carbon fiber for comprehensive protection.
- **Lightweight and Regulation Friendly:** Weighs under 249 g, often exempting it from FAA registration or Remote ID requirements in many regions.
- **Subject Tracking:** Keeps your subject in focus, acting as a personal cinematographer.
- **1/1.3-inch CMOS Sensor:** Captures more light for clearer images with vivid detail.
- **4K/60fps HDR Video:** Delivers ultra-high-definition video for stunning visuals.
- **31-Min Max Flight Time:** Provides extended flight duration for capturing more moments.
- **RC 2 Remote Controller:** Includes a high-bright screen for an upgraded flying experience.

Video Description: An introductory video showcasing the DJI Flip drone's features, including palm takeoff, quick shots, and its compact design. It highlights the drone's ability to capture dynamic footage in various environments.

2. WHAT'S IN THE BOX

The DJI Flip (RC 2) package includes the following components:

- DJI Flip x 1
- DJI RC 2 x 1
- DJI Flip Intelligent Flight Battery x 1
- DJI Flip Spare Propellers (Pair) (Screws Included) x 1
- Screwdriver x 1
- DJI Flip Gimbal Protector x 1
- Type-C to Type-C PD Cable x 1

* Battery charger sold separately. It is recommended to purchase the DJI 30W USB-C Charger/DJI 65W Portable Charger.

Creative Shots Within Reach

DJI Flip offers MasterShots and six Quickshot modes, providing dynamic angles to enhance your creativity and deliver quick, simplified cinematic footage.

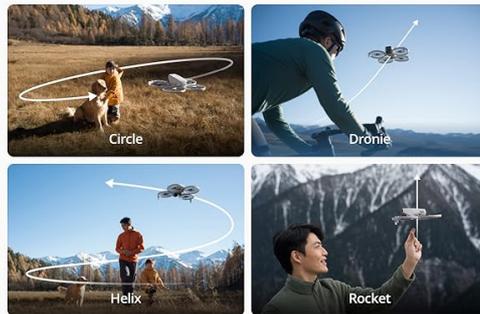


Image Description: A visual representation of the DJI Flip package contents, showing the DJI Flip drone, the DJI RC 2 remote controller, and the DJI Flip Intelligent Flight Battery.

3. SETUP

3.1 Unfolding the Drone

Gently unfold the propeller arms until they lock into place. The drone will automatically power on once fully unfolded.



Exceptional Image Quality

Capture stunning scenery in 4K/60fps HDR. Whether it's a brilliant sunrise or a glorious sunset, every detail is crystal clear.



Vertical View, Instant Sharing

DJI Flip supports vertical crops at 2.7K resolution, ideal for social media sharing without the need for post-cropping.

Image Description: A three-panel image illustrating the steps to prepare the DJI Flip for flight: 1. Unfold the arms, 2. Select mode, 3. Takeoff and start filming.

3.2 Activating the DJI Flip

To activate your DJI Flip with the RC 2 Remote Controller:

1. For first-time use, connect the RC 2 to the internet via Wi-Fi or a smartphone hotspot.
2. Follow the on-screen instructions in the DJI Fly app to activate the device.
3. After activating the RC 2, connect it with the DJI Flip via the DJI Fly app, and then follow the instructions in the app to activate the aircraft.

For the DJI RC-N3 Remote Controller:

1. Connect your mobile device (connected to the internet) with the remote controller.
2. Then connect to DJI Flip via the DJI Fly app.
3. Follow the instructions in the app to activate DJI Flip.

3.3 DJI Fly App Installation

The DJI Flip can only be used with the DJI Fly app. Due to platform compatibility issues, the DJI Fly app has been removed from Google Play. Visit the official DJI website to download the user manual and the latest DJI Fly app for a better experience.

4. OPERATING THE DJI FLIP

4.1 Flight Modes and Features

- **Palm Takeoff:** Launch the drone directly from your palm. Ensure your hand does not block the camera and there are no obstacles.
- **Subject Tracking:** The drone automatically tracks and keeps a designated subject in focus.
- **QuickShots:** Offers six dynamic shooting modes (Dronie, Circle, Rocket, Spotlight, Helix, Boomerang) for quick, cinematic footage.
- **Automatic Braking:** Equipped with a 3D Infrared Sensing System for enhanced safety, enabling automatic braking even at night.^[1]



Image Description: A collage highlighting key ease-of-use features: Foldable Propeller Guard, Under 249g (Regulation Friendly), Palm Takeoff for Easy Capture, and Automatic Braking for Enhanced Safety.

Your All-in-One Vlog Camera Drone

Capture stunning vlogs with this all-in-one device. From portraits to landscapes, it has you covered.



Everyday Recording



Aerial Photography



Family and Friends Outings



Outdoor Sports

Image Description: An image showcasing the DJI Flip's Creative Shots Within Reach, illustrating various QuickShot modes like Dronie, Circle, Rocket, Spotlight, Helix, and Boomerang.

4.2 Camera Features

- **48MP Photos:** Capture high-resolution photos with the 1/1.3-inch CMOS sensor, featuring Dual Native ISO Fusion, f/1.7 aperture, and 2.4µm 4-in-1 pixels.
- **4K/60fps HDR Video:** Record stunning scenery with ultra-high-definition video.
- **2.7K Vertical Shooting:** Supports vertical crops at 2.7K resolution, ideal for social media sharing.
- **10-bit D-Log M:** Records up to one billion colors, delivering natural color gradations for flexible editing.
- **4K Slow-Motion:** Supports 4K slow-motion recording at 100 fps for smooth, detailed highlights.
- **3-Axis Mechanical Gimbal:** Ensures smooth and stable footage, with up to level-5 wind resistance.

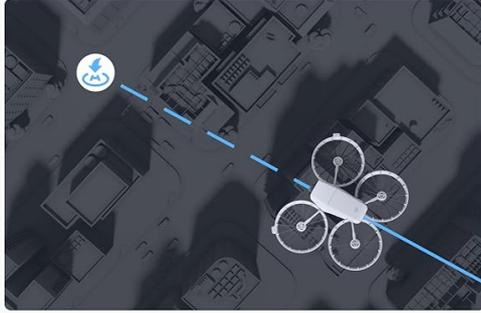


Controller-Free, Subject Tracking ^[3]

Simply press the mode button on the side to select your desired shooting mode, and Flip automatically does the rest to capture impressive footage.

* Palm takeoff requires subject confirmation. Hold the sides of the aircraft body from below with the camera facing the subject. Make sure that your hand does not block the camera and that there are no obstacles obstructing the takeoff.

Image Description: A collage illustrating the DJI Flip's imaging capabilities: 1/1.3-inch CMOS Sensor, 4K/60fps HDR Video, 2.7K Vertical Shooting, and 10-bit D-Log M color profile.



Finish With Ease

With the RC-N3 or RC 2 controller, Flip supports Return to Home (RTH) and Failsafe RTH for seamless navigation back to you.

-  Return to Me
-  Return to Home (RTH)
-  Low Battery RTH
-  Scene Recognition RTH

Image Description: A split image demonstrating the effectiveness of the DJI Flip's 3-Axis Stabilization, comparing footage captured without and with stabilization.

4.3 Remote Controller and Transmission

The DJI Flip (RC 2) comes with the RC 2 remote controller, featuring a high-bright screen for clear visibility even in direct sunlight. It utilizes DJI O4 video transmission, supporting up to 44,000 feet (13 km) of 1080p/60fps video transmission with excellent anti-interference capabilities.



Image Description: An image illustrating the DJI Flip's Next Level Video Transmission, showing the RC 2 controller and the drone with a maximum video transmission distance of 44,000 feet / 13 km.

4.4 Battery and Charging

The Intelligent Flight Battery provides up to 31 minutes of flight time. For faster charging, the DJI Flip Parallel Charging Hub (sold separately) can charge two batteries simultaneously.



Image Description: A split image showing the DJI Flip drone with an indicator of 31 minutes flight time, and a DJI Parallel Charging Hub charging two batteries.

4.5 Data Transfer and Editing

Connect DJI Flip to your phone via Wi-Fi to transfer footage at up to 30MB/s to the DJI Fly app. Edit swiftly with templates in the app, saving phone space and sharing videos easily.

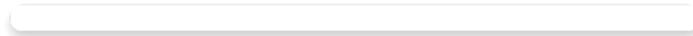


Image Description: A two-panel image showing efficient and effortless transfer of footage from the DJI Flip to a phone via Wi-Fi, and simple editing within the DJI Fly app.

4.6 Control Options

The DJI Flip offers multiple control methods:

- **Voice Control:** Simply wake the DJI Fly app with "Hey Fly" to enable voice commands.
- **App Control:** Easily connect DJI Flip to the DJI Fly app using Wi-Fi Direct for single-handed control.
- **RC Control:** Operate DJI Flip using DJI RC-N3/RC 2 to capture professional-level shots.

What app do I need to install before using DJI Flip?

DJI Flip can only be used with the DJI Fly app. You can download the latest version of DJI Fly from the DJI Flip Downloads page on the official DJI website.

* If you use DJI RC 2 as the remote controller, it comes with the pre-installed DJI Fly app.

Which DJI chargers are recommended for DJI Flip?

When charging via the Parallel Charging Hub, it is recommended to use the DJI 65W Portable Charger.

When charging through the aircraft body, it is recommended to use the DJI 65W Portable Charger or the DJI 30W USB-C Charger.

How is DJI Flip's camera performance?

DJI Flip features a 1/1.3-inch sensor with dual native ISO, capable of recording 4K/60fps HDR video and offering an optional 10-bit D-Log M color profile. It also supports recording 100fps slow-motion video in 4K resolution, delivering smooth and detailed slow-motion effects to capture the highlights of action scenes.

Image Description: A three-panel image demonstrating the various control methods for the DJI Flip: Voice Control, App Control via smartphone, and RC Control using a dedicated remote controller.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your DJI Flip drone:

- **Propeller Inspection:** Regularly check propellers for any cracks, bends, or damage. Replace

damaged propellers immediately using the provided screwdriver and spare propellers.

- **Gimbal Protection:** Always use the DJI Flip Gimbal Protector when the drone is not in use or during transport to prevent damage to the camera and gimbal.
- **Battery Care:** Store Intelligent Flight Batteries in a cool, dry place. Avoid overcharging or fully discharging batteries. Follow charging recommendations (DJI 30W USB-C Charger/DJI 65W Portable Charger).
- **Cleaning:** Use a soft, dry cloth to clean the drone body, camera lens, and remote controller. Avoid using harsh chemicals or abrasive materials.
- **Firmware Updates:** Keep the drone and remote controller firmware updated via the DJI Fly app to ensure access to the latest features and performance improvements.

6. TROUBLESHOOTING (FREQUENTLY ASKED QUESTIONS)

Which remote controllers are compatible with DJI Flip?

The DJI Flip is compatible with the DJI RC 2 Remote Controller, DJI RC-N3 Remote Controller, and DJI RC-N2 Remote Controller.

Is DJI Flip waterproof?

No. Avoid contact with water during use, as it may damage the device. If it rains during the flight, return and land as soon as possible, and wait until the aircraft is fully dry inside and out before using it again.

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7. SPECIFICATIONS

Feature	Specification
Brand	DJI
Model Name	DJI Flip
Special Features	Built-In Full-Coverage Propeller Guards, Extended Flight Time, O4 Transmission with up to 8-Mile Range, Portable, Subject Tracking and Auto Flight Modes
Age Range (Description)	Adult
Color	Gray

Video Capture Resolution	4K
Effective Still Resolution	48 MP
Connectivity Technology	Bluetooth, Wi-Fi
Battery Capacity	3110 mAh
Maximum Range	13 Kilometers
Item Weight	0.74 Kilograms
Item Dimensions L x W x H	11"L x 9.2"W x 3.1"H
Material	Carbon Fiber

8. WARRANTY AND SUPPORT

The DJI Flip comes with a standard DJI warranty. For detailed warranty information, service requests, or technical support, please visit the official DJI website. You can also find additional resources, FAQs, and contact information for customer service there.

Official DJI Website: www.dji.com