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DJI FBADJIRCM3

DJI RC Motion 3 User Manual

Model: FBADJIRCM3

INTRODUCTION

This manual provides essential information for the safe and effective operation of your DJI RC Motion 3. Please read this manual thoroughly before use and retain it for future reference.

The DJI RC Motion 3 is an FPV smart controller designed for immersive motion control of compatible DJI drones. It offers a compact and portable design with features like one-click emergency brake and AR cursor control, enhancing the intuitive drone piloting experience.





Image: The DJI RC Motion 3 controller, showcasing its ergonomic design and primary controls.

WHAT'S IN THE BOX

Verify that all items are included in your package:

- DJI RC Motion 3 × 1
- DJI RC Motion 3 Lanyard × 1

What's in the Box



DJI RC Motion 3



DJI RC Motion 3 Lanyard

Image: The DJI RC Motion 3 and its included lanyard, as packaged in the box.

SETUP

1. Charging the Controller

The DJI RC Motion 3 is equipped with an internal Lithium-Ion battery. Before first use, ensure the controller is fully charged.

1. Connect the controller to a USB power adapter using a USB-C cable (not included).
2. The battery level indicator lights will show charging progress. All lights will be solid when fully charged.

2. Pairing with DJI Goggles 3 and Drone

The DJI RC Motion 3 requires pairing with DJI Goggles 3 for operation. It cannot control a drone independently.

1. Ensure both the DJI Goggles 3 and the drone (e.g., DJI Avata 2, DJI Mini 4 Pro, DJI Air 3, DJI Neo) are powered on.
2. Follow the on-screen instructions within the DJI Goggles 3 to initiate the pairing process for the RC Motion 3.
3. Once paired, the controller will be ready for use. Note that only one controller can be linked to the drone at a time.



Image: A user demonstrating the immersive flight experience with the DJI RC Motion 3, DJI Goggles 3, and a compatible drone.

OPERATING THE DJI RC MOTION 3

The DJI RC Motion 3 provides an intuitive and immersive flight experience through motion control.

Motion Control

When used with DJI Goggles 3, the drone's motion responds directly to your wrist movements, enabling precise "point-to-fly" control. The controller's robust anti-interference capability ensures reliable operation.

Intuitive Motion Control, Beginner-Friendly



Image: A hand holding the DJI RC Motion 3, illustrating the intuitive motion control where wrist movements translate to drone flight direction.

AR Cursor for Navigation

With DJI Goggles 3, the RC Motion 3 allows you to control an AR cursor on the goggles' screen. This feature simplifies menu navigation, function activation, and camera setting adjustments, making operations more efficient.

AR Cursor for Convenient Operation



* When using DJI RC Motion 3 with DJI Goggles 3, you can use it as an AR cursor and navigate the menu on the goggles' screen.

Image: A user wearing DJI Goggles 3 and holding the RC Motion 3, demonstrating the AR cursor for on-screen menu navigation.

Controller Layout and Functions

The compact and portable design of the DJI RC Motion 3 features a natural layout of buttons for easy access to key functions:

- **Accelerator:** Controls forward movement and speed.
- **Emergency Brake and Hover:** Instantly stops the drone and initiates hovering.
- **Control Aircraft's Attitude:** Adjusts the drone's pitch and roll.
- **FN Dial for Settings:** Used for various settings adjustments.
- **Switching Flight Modes:** Toggles between different flight modes.
- **One Button for Shutter/Record:** Captures photos or starts/stops video recording.

Ergonomic Design for Easy Flying and Use



Image: Detailed view of the DJI RC Motion 3, highlighting its ergonomic design, one-click emergency brake button, and approximate weight of 118g.

Easy ACRO Maneuvers

The controller supports easy acrobatic maneuvers, allowing users to perform flips, rolls, drifts, or power loops with simple inputs using the accelerator and joystick.

Easy ACRO

You can make the aircraft flip, roll, drift, or power loop with one push using the accelerator and joystick. Fly like a pro in no time.



 One-Push Flip



 One-Push Roll



 One-Push 180° Drift



 One-Push Power Loop

Image: Illustrations of various drone acrobatic maneuvers such as one-push flip, one-push roll, one-push 180° drift, and one-push power loop.

Two-Stop Throttle

The innovative two-stop throttle design provides more precise control. Half-pressing the throttle trigger locks the aircraft's attitude, while fully pressing releases the attitude lock and accelerates the aircraft forward.

Two-Stop Throttle

It features a novel two-stop throttle design for more precise control. Half-pressing the throttle trigger locks the aircraft's attitude, while fully pressing releases the attitude lock and accelerates the aircraft forward.



Image: A hand holding the DJI RC Motion 3, illustrating the two-stop throttle mechanism for precise control.

Compatibility

The DJI RC Motion 3 is compatible with the following DJI drone models:

- DJI Avata 2
- DJI Mini 4 Pro
- DJI Air 3
- DJI Neo

Note: DJI RC Motion 3 does not work with DJI Goggles 2 and DJI Goggles Integra.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the controller. Do not use liquid cleaners or solvents.
- **Storage:** Store the controller in a cool, dry place away from direct sunlight and extreme temperatures.

- **Battery Care:** For long-term storage, charge the battery to approximately 50-60% every three months to maintain battery health.
- **Firmware Updates:** Regularly check for and install firmware updates via the DJI Fly app or DJI Assistant 2 software to ensure optimal performance and compatibility.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Controller not powering on	Low battery	Charge the controller fully.
Unable to pair with Goggles/Drone	Incorrect pairing procedure; incompatible devices; existing controller linked	Ensure Goggles and drone are on. Follow pairing instructions in Goggles. Confirm compatibility. Disconnect any other linked controllers.
Unresponsive controls during flight	Interference; low controller battery; firmware issue	Fly in an open area away from strong interference. Recharge controller. Update firmware.
AR cursor not appearing	Goggles not properly connected or configured	Ensure Goggles 3 are correctly connected and updated. Restart both devices.

SPECIFICATIONS

- **Model Name:** FBADJIRCM3
- **Item Model Number:** 6941565980243
- **Product Dimensions:** 2.36 x 5.31 x 3.54 inches
- **Item Weight:** 3.87 ounces
- **Batteries:** 1 Lithium Ion battery required (included)
- **Compatible Devices:** DJI Avata 2, DJI Mini 4 Pro, DJI Air 3, DJI Neo
- **Controller Type:** Motion control
- **Connectivity Technology:** RF
- **Manufacturer:** DJI
- **Date First Available:** April 11, 2024

Comparison with Previous Models

The DJI RC Motion 3 offers significant improvements over previous models, including AR Cursor functionality and enhanced operating time.

Which is the Best for You?

	 DJI RC Motion 3	 DJI RC Motion 2	 DJI Motion Controller
AR Cursor	✓	×	×
Easy ACRO	✓	✓	×
Two-Stop Throttle	✓	×	×
Reverse Function	✓	✓	×
Joystick	✓	✓	×
Weight	Approx. 118 g	Approx. 170 g	Approx. 167 g
Operating Time	Approx. 10 hours ^[3]	Approx. 5 hours ^[4]	Approx. 5 hours ^[4]

Image: A comparison table detailing features like AR Cursor, Easy ACRO, Two-Stop Throttle, Reverse Function, Joystick, Weight, and Operating Time across DJI RC Motion 3, DJI RC Motion 2, and DJI Motion Controller.

WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official DJI website or contact DJI customer service.

Online Resources:

- Official DJI Website: www.dji.com
- Product Support Page: Refer to the support section on the DJI website for the DJI RC Motion 3.

Please retain your proof of purchase for warranty claims.