dji TKMO3 RC Motion 3 B and C Camera User Guide

Contents

dji TKMO3 RC Motion 3 B and C Camera

Product Information

The DJI RC Motion 3 is a motion controller designed for controlling DJI drones seamlessly. It features intuitive controls and advanced technology to enhance the flying experience.

Specifications

- **Model Number:** TKMO3
- **Max Transmission Distance (unobstructed, free of interference):** 3m
- **Operating Frequency:** 2.400-2.4835GHz
- **Transmitter Power (EIRP):** 2.4 GHz

Product Usage Instructions

Using for the First Time

1. **Charging:** Connect the motion controller to a power source using the provided cable.
2. **Powering On:** Press the power button once to check battery level. Press and hold the power button for 2 seconds to turn the controller on or off.

Activating Motion Controller

To activate the motion controller, connect the USB-C port to the mobile device running DJI Fly. The controller will be activated automatically.

Controlling the Aircraft

- **Tilt Left/Right:** Rotate the motion controller to rotate the aircraft.
- **Tilt Up/Down:** Control the tilt of the gimbal by tilting the motion controller up and down.
- **Ascend/Descend:** Tilt the motion controller up or down and press the accelerator to control aircraft movement.
- **Flight Direction:** Press the accelerator to fly in the direction indicated in the goggles.
- **Flying Backwards:** Push the accelerator out to fly the aircraft backward.

Battery Safety Notice
Follow these safety guidelines to ensure proper handling and usage of batteries:

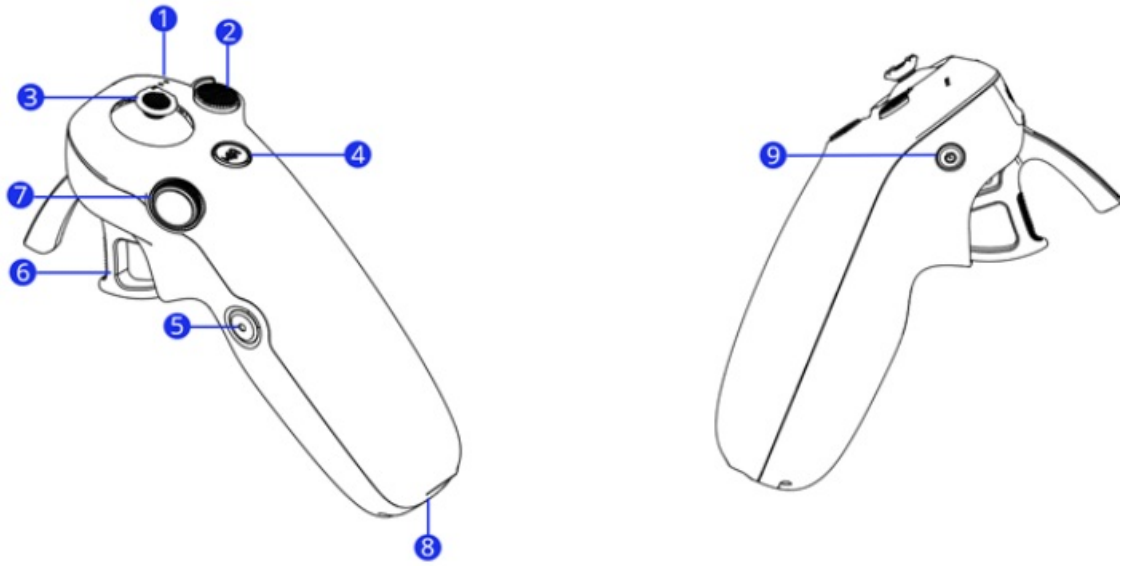
- DO NOT allow liquid to come into contact with the batteries
- DO NOT leave batteries covered in moisture or out in the rain.

Frequently Asked Questions (FAQ)

- **Q: How do I know if my battery level is low?**
  A: Press the power button once to check the current battery level. The LEDs will indicate the remaining battery capacity.

DJI RC Motion 3
User Guide

Overview



1. Battery Level LEDs
2. Lock Button
   - Press twice: start the motors of the aircraft. Press and hold to make the aircraft automatically take off, ascend to approximately 1.2 m, and hover. Press and hold while hovering to make the aircraft automatically land and the motors to stop.
   - During flight, press once to make the aircraft brake and hover.
3. Joystick
   Use the joystick to control the aircraft to move in the direction relative to the center of the FPV view.
4. Mode Button
   Press once to switch between Normal and Sport mode.
   Press and hold to initiate RTH. Press again to cancel RTH.
5. Shutter/Record Button
   Press once to take photos or start or stop recording. Press and hold to switch between photo and video mode.
6. Accelerator

7. Press to fly the aircraft in the direction of the circle in the goggles.
    - Push the accelerator out to fly the aircraft backward.
    - Apply more pressure to accelerate.
    - Dial

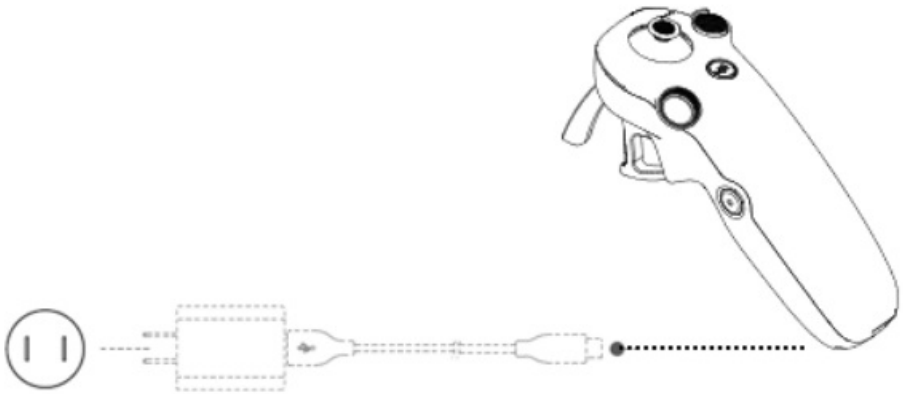
      Toggle to control the camera zoom in or out.
8. USB-C Port

   For charging or connecting the motion controller to a computer to update firmware.
9. Power Button

   Press once to check the current battery level. Press once then again and hold to power the motion controller on or off.

Using for the First Time

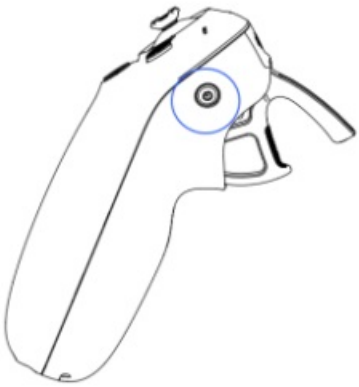
1. Charging



2. **Powering on**

   Check battery level: press once.

   Power on/off press then press and hold for 2 seconds.



3. Linking

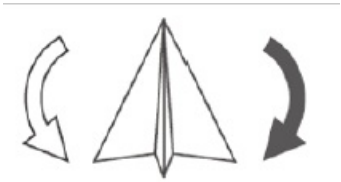
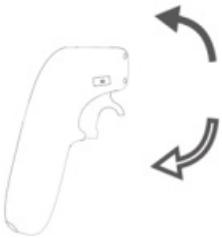
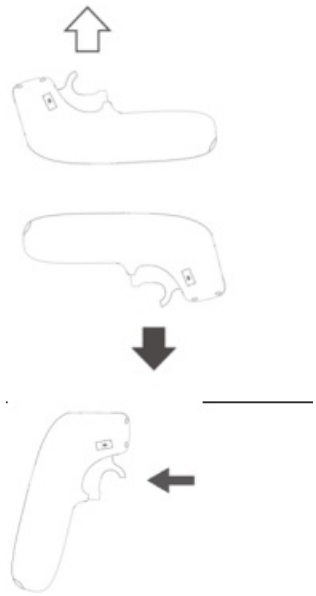
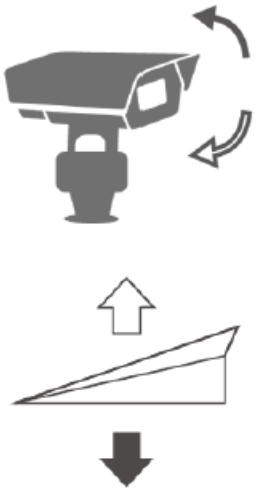
   The motion controller must be linked with the goggles. Make sure that all devices are powered on before linking.

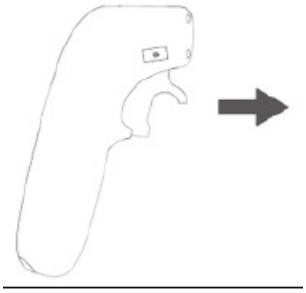
    - Press and hold the power button of the aircraft until the battery level LEDs start to blink in sequence.
    - Press and hold the power button of the motion controller until it beeps continually and the battery level indicators blink in sequence.
    - The motion controller stops beeping when linking is successful and both the battery level indicators turn solid and display the battery level.

4. Activation

   Power on the aircraft, goggles, and motion controller. Make sure all the devices are linked. Connect the USB-C port of the goggles to the mobile device, run DJI Fly, the motion controller will be activated automatically.

Control the aircraft

Tilt left or right or rotate the motion controller to rotate the aircraft.		
Tilt the motion controller up and down to control the tilt of the gimbal.		
Tilt the motion controller 90° up or down, then press the accelerator to make the aircraft ascend or descend.		
Press the accelerator to fly in the direction of the circle in the goggles.		

Push the accelerator out t o fly the aircraft backward.		

Battery Safety Notice

- DO NOT allow liquid to come into contact with the batteries. DO NOT leave batteries covered in moisture or out in the rain. DO NOT drop the batteries into water. Otherwise, an explosion or fire may occur.
- DO NOT use non-DJI batteries. It is recommended to use DJI chargers.
- DO NOT use swollen, leaking, or damaged batteries. In such situations, contact DJI or a DJI-authorized dealer.
- The batteries should be used at a temperature between -10° to 40° C (14° to 104° F). High temperatures can cause an explosion or fire. Low temperatures will reduce the performance of a battery.
- DO NOT disassemble or pierce the battery in any way.
- The electrolytes in the battery are highly corrosive. If any electrolytes come into contact with your skin or eyes, immediately wash the affected area with water and seek medical support.
- Keep the batteries out of the reach of children and animals.
- DO NOT use a battery if it is involved in a crash or heavy impact.
- Extinguish any battery fire using water, sand, or a dry powder fire extinguisher.
- DO NOT charge the battery immediately after flight. The battery temperature may be too high and may cause serious damage to the battery. Allow the battery to cool down to close to room temperature before charging. Charge the battery at a temperature range of 5° to 40° C (41° to 104° F). The ideal charging temperature range is 22° to 28° C (72° to 82° F). Charging at the ideal temperature range can prolong battery life.
- DO NOT leave the batteries near heat sources such as a furnace or heater or inside a vehicle on a hot day.
- DO NOT store the battery for an extended period after fully discharging. Otherwise, the battery may over-discharge and cause irreparable damage to the battery cell.
- If a battery with a low power level has been stored for an extended period, the battery will enter deep hibernation mode. Recharge the battery to bring it out of hibernation

Specifications

Model Number	TKMO3
Max Transmission Distance (unobstructed, free of interfe rence)	3m
Operating Frequency	2.400-2.4835GHz

Transmitter Power (EIRP)	2.4 GHz: <26dBm (FCC), <20 dBm (CE/SRRC/MIC)
Operating Temperature	-10° to 40° C (14° to 104° F)
Built-in Battery Type	Li-ion
Battery Chemical System	LiNiMnCoO2

FCC Compliance Statement

Supplier's Declaration of Conformity

- Product name: DJI RC Motion 3
- Model Number: TKMO3
- Responsible Party: DJI Research LLC
- Responsible Party Address:17301 Edwards Road,Cerritos,CA 90703
- Website: **www.dji.com**
- We, DJI Research LLC, being the responsible party, declares that the above mentioned model was tested to demonstrate complying with all applicable FCC rules and regulations.

This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

- If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
  - Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help.

RF Exposure Information
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
The portable device is designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA). These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use when properly worn on the body.

ISED Compliance Notice
CAN ICES-003 (B) / NMB-003(B)
This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).
Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with RSS-102 radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.The portable device is designed to meet the requirements for exposure to radio waves established by the RSS-102.

EU Compliance Statement: SZ DJI TECHNOLOGY CO., LTD. hereby declares that this device (DJI RC Motion 3) is in compliance with the essential requirements and other relevant provisions of the Directive 2014/53/EU.
A copy of the EU Declaration of Conformity is available online at **www.dji.com/euro-compliance** EU contact address: DJI GmbH, Industriestrasse 12, 97618, Niederlauer, Germany

Compliance Statement: SZ DJI TECHNOLOGY CO., LTD. hereby declares that this device (DJI RC Motion 3) is in compliance with the essential requirements and other relevant provisions of Radio Equipment Regulations 2017.
A copy of the GB Declaration of Conformity is available online at **www.dji.com/euro-compliance**

Environmentally friendly disposal


Old electrical appliances must not be disposed of together with the residual waste, but have to be disposed of separately. The disposal at the communal collecting point via private persons is for free. The owner of old appliances is responsible to bring the appliances to these collecting points or to similar collection points. With this little personal effort, you contribute to recycle valuable raw materials and the treatment of toxic substances.

Documents / Resources

DJI RC Motion 3 User Guide	dji TKMO3 RC Motion 3 B and C Camera [pdf] User Guide TKMO324, SS3-TKMO324, SS3TKMO324, TKMO3 RC Motion 3 B and C Camera, TKMO3, R C Motion 3 B and C Camera, Motion 3 B and C Camera, B and C Camera, Camera

References

- DJI - Official Website
- User Manual