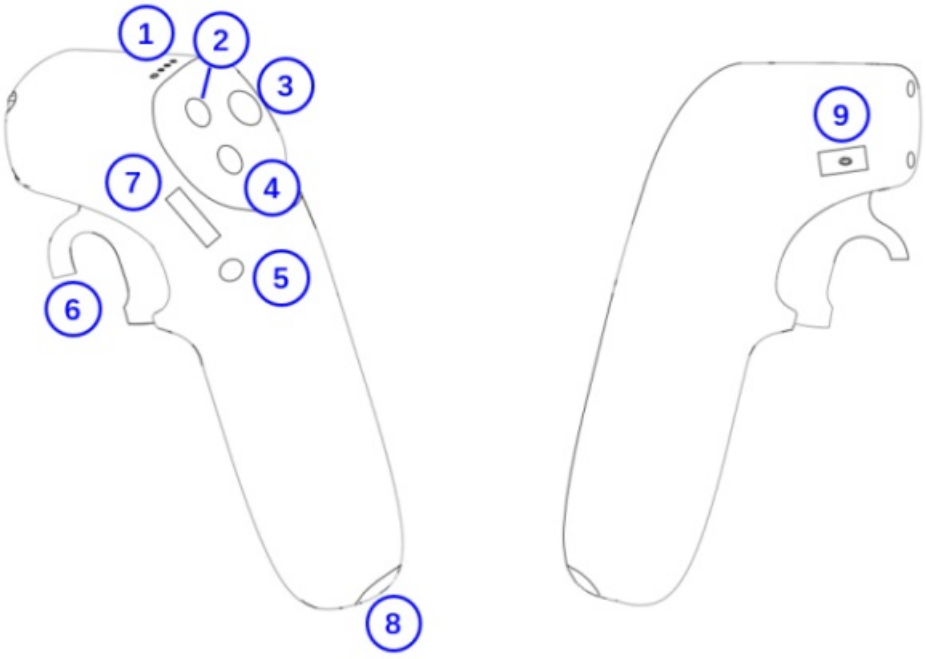
dji RM220 RC Motion 2 Controller User Guide

RM220 User Guide

Contents

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.
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.
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

   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.
7. Dial

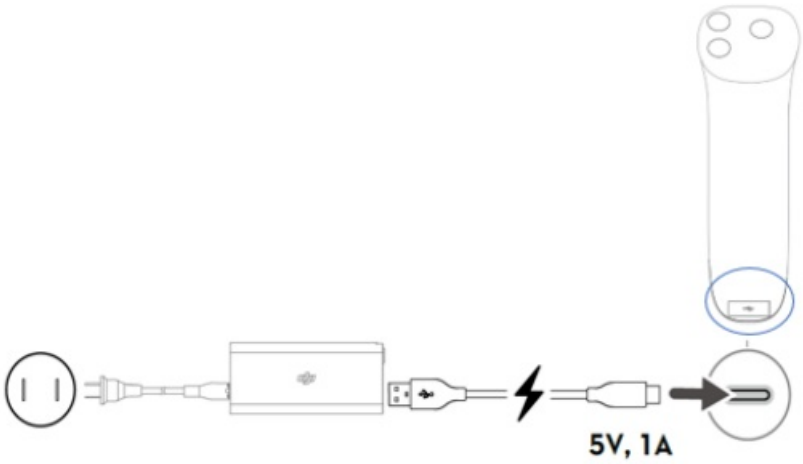
   Toggle to control the camera zoom in or out. When used with DJI goggles, press the dial to open the goggles menu on the FPV view, then toggle the dial to navigate the menu or adjust parameters, and press to select or confirm. Long press the dial to exit the current menu.
8. USB-C Port

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

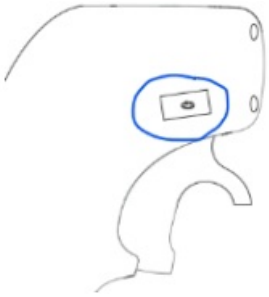
   Press once to check the current battery level. Press once then again and hold to power the motion controller on or off.

Using for the First Time

1. Charging



2. Powering on



Check battery level: press once.

Power on/off press then press and hold.

3. Linking

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

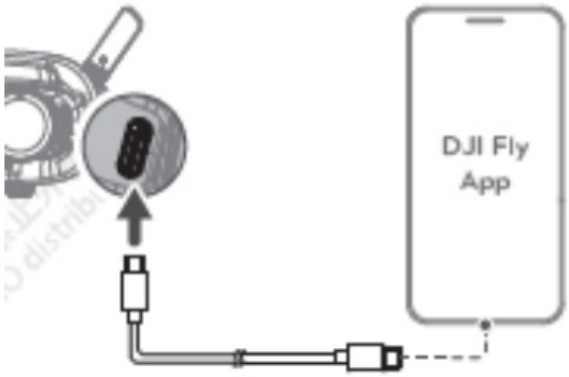
a) Press and hold the power button of the aircraft until the battery level LEDs start to blink in sequence.

b) Press and hold the power button of the motion controller until it beeps continually and the battery level indicators blink in sequence.

c) The motion controller stops beeping when linking is successful and both the battery level indicators turn solid and display the battery level.

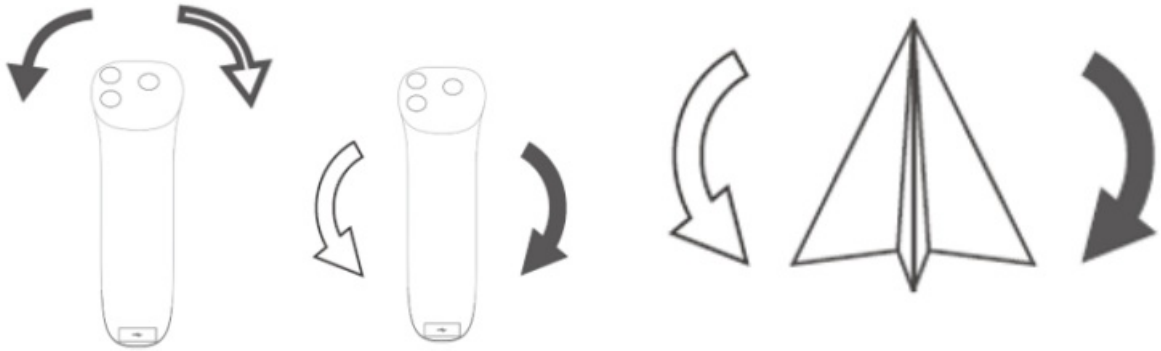
4. Activation

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.



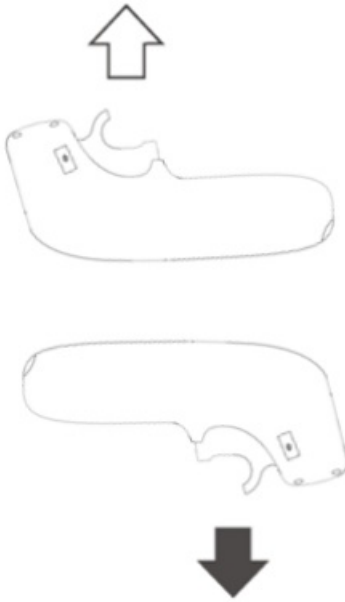
Control the aircraft

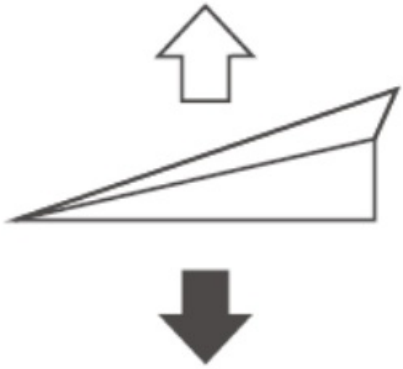
Tilt left or right or rotate the motion controller to rotate the aircraft.



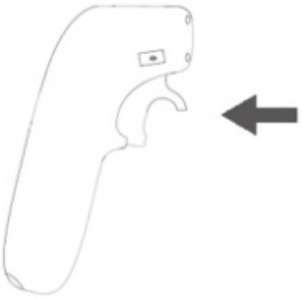
Tilt the motion controller up and down to control the tilt of the gimbal.

Tilt the motion controller 90° up or down, then press the accelerator to make the aircraft ascend or descend.

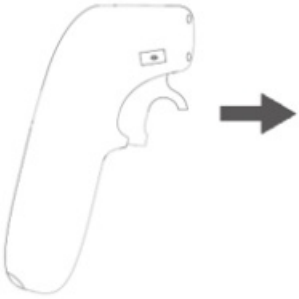




Press the accelerator to fly in the direction of the circle in the goggles.



Push the accelerator out to fly the aircraft backward.



Specifications

Model Number	RM220
Max Transmission Distance (unobstructed, free of interference)	10 km (FCC), 6 km (CE/SRRC/MIC)
Operating Frequency	2.400-2.4835 GHz, 5.725-5.850 GHz
Transmitter Power (EIRP)	2.4 GHz: <28.5 dBm (FCC), <20 dBm (CE/SRRC/MIC) 5.8 GHz: <31.5 dBm (FCC), <19 dBm (SRRC), <14 dBm (CE)
Operating Temperature	-10° to 40° C (14° to 104° F)
Built-in Battery Type	Li-ion
Battery Chemical System	LiNiMnCoO2

Compliance Information

FCC Compliance Notice

Supplier's Declaration of Conformity
Product name: DJI Motion Controller 2
Model Number: RM220
Responsible Party: DJI Technology, Inc.
Responsible Party Address: 201 S. Victory Blvd., Burbank, CA 91502
Website: **www.dji.com**

We, DJI Technology, Inc., 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

The aircraft complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm during normal operation. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
This remote controller device 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

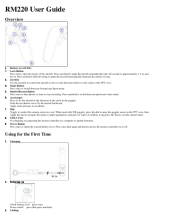
This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1)This device may not cause interference.(2)This device must accept any interference, including 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 ISED.
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.

EU Compliance Statement: SZ DJI TECHNOLOGY CO., LTD. hereby declares that this device(DJI Motion Controller 2) 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 Motion Controller 2) 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.

Brazil Warning message
Corpo SAR (10g) Brasil: X.XXX W/kg

Documents / Resources

	dji RM220 RC Motion 2 Controller [pdf] User Guide RM220 RC Motion 2 Controller, RM220, RC Motion 2 Controller, Controller

References

- Anatel — Agência Nacional de Telecomunicações
- DJI - Official Website
- EU Declaration of Conformity - DJI