

DJI O4 RELAY

User Guide

Disclaimer

Carefully read this entire document and all safe and lawful practices provided before use.

Introduction

DJI™ O4 Relay can transmit signals with a supported DJI remote controller and aircraft, respectively.

The stable signal transmission can avoid signal being blocked in complex environments.

Overview



1. Detachable Antennas

Transmit wireless signals.

2. Power Button

Press once to check the battery level.

Press, then press and hold to power on/off.

3. Status LEDs

Indicate the linking status between the remote controller (RC) or aircraft (UAV) with the relay.

4. Battery Level LEDs

Indicate the battery level.

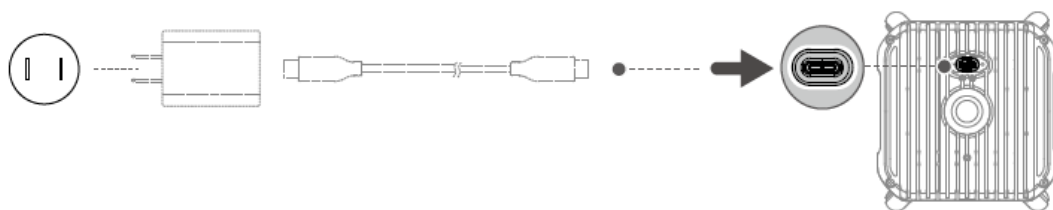
6. Screw Hole
7. USB-C Port

For charging, connecting a mobile power supply or firmware updates.

Getting Started

Charging the battery

Charge the relay through the USB-C port using a USB charger. The battery is fully charged when all the battery level LEDs are on.



It is recommended to use USB Power Delivery chargers.

Linking

Follow the steps below to link before using it for the first time.

1. Power on the remote controller and aircraft, and make sure the two devices are linked.
2. Power on the relay. After the status LEDs turn solid red, press and hold relay power button to prepare for linking.
3. Open the DJI Agras app and tap Device Management, then tap Relay > Link to start linking. After linking successfully, the status LED (RC) of the relay will glow solid green.
4. After connecting with the remote controller, the relay will link with the aircraft automatically.

The linking is successful when the status LED (UAV) becomes solid green.



- Make sure the remote controller and aircraft is within 0.5 m of the relay during linking.
 - If linking fails, try again after checking the operation and the firmware version.
- Contact DJI Support if the issue persists.

Activation

Activation is required before using it for the first time. Follow the instructions on DJI Agras to activate the relay after linking.

Using the Relay

During usage, it is recommended to set up the relay in high places (such as roofs and high hills) to solve the problem of signal blockage in orchards or fields with tall crops. Follow the instructions below to set up.

	• To ensure the signal transmission, it is recommended to set up the relay at least 2 m higher than the crops. • DO NOT obstruct the antennas during use. • DO NOT set up the relay outdoors during thunderstorms to avoid lightning strikes. • The relay should be used in the temperature range of 0° to 40° C (32° to 104° F). High temperatures can lead to fire or an explosion. Low temperatures can negatively affect the performance of the battery. • The battery temperature will be high after use. Charge the relay until it cools down to room temperature. Otherwise, charging may be disabled. Charge 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 within the ideal temperature range can prolong battery life. • Extinguish any battery fire using water, sand, or a dry powder fire extinguisher. • The electrolytes in the battery are highly corrosive. If any electrolytes make contact with your skin or eyes, wash the affected area with water and see a doctor immediately.
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Specifications

Operating Temperature	0° to 45° C
Operating Frequency ^[1]	2.4000-2.4835 GHz, 5.150-5.250 GHz, 5.725-5.850 GHz
Max Transmission Distance	5 km (SRRC), 4 km (MIC/KCC/CE), 8 km (FCC) (aircraft altitude at 2.5 m in an unobstructed environment with no interference)
Power Consumption	10 W
Battery Type	Li-ion
Capacity	6500 mAh

[1] 5.8 GHz frequency is unavailable in some countries. Check local regulations for more information.

FCC Compliance Notice

Supplier's Declaration of Conformity

Product name: DJI 04 Relay

Model Number: RL02-65

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

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.

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.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) L'appareil ne doit pas produire de brouillage; (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This aircraft complies with RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet équipement est conforme aux limites d'exposition aux radiations CNR-102 établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.

This radio transmitter [11805A-RL026524] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum Permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

— Le présent émetteur radio [11805A-RL026524] a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antenne énumérés cidessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué pour

Antenna info

Antenna type : External antenna

Manufacturer : Shenzhen Zhongtian Xuntong Technology Co., Ltd.

Maximum Antenna gain :

3.8dBi@2.4~2.483GHz

3.6dBi@5.15~5.25GHz

4.4dBi@5.725~5.875GHz

Connector type : RP-SMA