



dji Goggles 2 Motion Combo Motion Controller User Guide

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DJI

Goggles 2 Motion Combo Motion Controller



Product Information:

The DJI RC Motion 2 is a set of goggles designed for use with a DJI drone. It has a built-in transmitter that allows for real-time video transmission from the drone to the goggles. The goggles have a high-resolution display and offer a first-person view of the drone's flight.

Product Usage:

1. **Goggles:** Do not use or store the goggles in environments with adverse weather conditions or high levels of humidity or dust. Do not use the goggles while in a moving vehicle or while doing physical exercise such as running. Fold the antennas to avoid damage when the goggles are not in use.
2. **Goggles Battery:** 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. DO NOT use swollen, leaking, or damaged batteries. In such situations, contact DJI or a DJI authorized dealer. DO NOT disassemble or pierce the battery in any way. Otherwise, the battery may leak, catch fire, or explode. 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. 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 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:

- **Goggles (Model: RCDS18)**
 - Weight: N/A

- Operating temperature: N/A
- Power input: N/A
- Transmission: N/A
- Operating frequency: N/A
- Transmitter power (EIRP): N/A
- Wi-Fi protocol: N/A
- Bluetooth protocol: N/A
- Goggles battery capacity: N/A
- Output voltage: N/A

Before using the DJI RC Motion 2, please read and understand all safety guidelines and usage instructions provided in the user manual. If the product is damaged, take it to a DJI Service Center for inspection and repair. The goggles may become hotter than normal if used for an extended period. If the product overheats, power off the device as instructed to avoid injury or product damage. This product is not intended for children. By using this product, you signify that you have read, understand, and accept the terms and conditions of this guideline and all instructions at <https://www.dji.com/goggles-2>.

EXCEPT AS EXPRESSLY PROVIDED IN AFTER-SALES SERVICE POLICIES AVAILABLE AT ([HTTP://WWW.DJI.COM/SERVICE](http://www.dji.com/service)), THE PRODUCT AND ALL MATERIALS AND CONTENT AVAILABLE THROUGH THE PRODUCT ARE PROVIDED AS IS AND ON AS AVAILABLE BASIS WITHOUT WARRANTY OR CONDITION OF ANY KIND.

Safety at a Glance

By using this product, you signify that you have read, understand, and accept the terms and conditions of this guideline and all instructions at <https://www.dji.com/goggles-2>. EXCEPT AS EXPRESSLY PROVIDED IN AFTER-SALES SERVICE POLICIES AVAILABLE AT ([HTTP://WWW.DJI.COM/SERVICE](http://www.dji.com/service)), THE PRODUCT AND ALL MATERIALS AND CONTENT AVAILABLE THROUGH THE PRODUCT ARE PROVIDED “AS IS” AND ON “AS AVAILABLE BASIS” WITHOUT WARRANTY OR CONDITION OF ANY KIND. This product is not intended for children.

WARNING

- Consult a doctor before using the product if you have any pre-existing serious medical conditions such as a heart ailment, conditions that affect your ability to safely perform physical activities, psychiatric conditions such as anxiety disorders or posttraumatic stress disorder, or if you are pregnant or elderly.
- When using the first-person view, moving images or light may make you feel unwell, dizzy, or lose your sense of balance. Stop using the product if you experience any motion sickness symptoms. Take regular breaks from using the product to mitigate health risks.
- The goggles cannot be used to replace any remote control equipment or software to control the aircraft. Use the remote controller and specified app to control the aircraft.
- Using the goggles does not satisfy the requirement of visual line of sight (VLOS). Use this product in compliance with local regulations.
- Pay attention to the distance between yourself and the aircraft and whether there are any obstacles nearby. DJITM will not be liable for lost aircraft or property due to loss of video transmission signal or remote control signal.
- The video downlink of the goggles is affected and limited by aircraft vision acquisition equipment and the operating environment including electromagnetic interference.

- DJI does not guarantee the accuracy of the image information displayed by this product. DO NOT solely rely on the goggles to operate the aircraft.
- While wearing the goggles, the image displayed in the goggles is not an exact representation of the actual surrounding environment. Use the product in a clear and safe area. Be aware of your actual surroundings when wearing the goggles to avoid injury. Also, beware of other people, children, animals, and any nearby objects in the area that may obstruct your movement. Make sure you are a safe distance away from stairs, windows, balconies, ceiling fans, and heat sources.
- The goggles can emit radio waves that can affect the operation of nearby electronics. If you have a pacemaker or other implanted medical devices, DO NOT use the goggles without first consulting a doctor or the medical device manufacturer. To minimize radio frequency interference, only use approved DJI accessories or accessories that do not contain any metal. Use of non-DJI-approved accessories may violate your local radio frequency exposure guidelines.
- The goggles contain small parts such as antenna and eyeglass frames. It is not designed to be used by children and should not be left within their reach. They could hurt themselves or others or accidentally damage the product.
- DO NOT share the goggles with people with contagious conditions, infections, or diseases, particularly of the eyes or skin. The goggles should be cleaned between each use with skin-friendly nonalcoholic antibacterial wipes and with a dry microfiber cloth for the lenses.
- Stop using the goggles if you notice swelling, itchiness, irritation, or other discomfort of your skin that is in contact with the product. Contact a doctor if symptoms persist.
- The goggles are equipped with an audio port and built-in speaker. Using at a high volume for an extended period may damage your hearing.
- Keep the lenses away from direct sunlight to avoid screen burns.
- Only use DJI goggles batteries and power cables. Use of improper accessories may lead to goggles damage. Go to <http://www.dji.com> to purchase replacement batteries or chargers.

NOTICE

- If the product is damaged, take it to a DJI Service Center for inspection and repair.
- The goggles may become hotter than normal if used for an extended period. If the product overheats, power off the device as instructed to avoid injury or product damage.
- DO NOT use or store the goggles in environments with adverse weather conditions or high levels of humidity or dust.
- Do not use the goggles while in a moving vehicle or while doing physical exercise such as running.
- Fold the antennas to avoid damage when the goggles are not in use.

Goggles Battery

WARNING

- 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.
- DO NOT use swollen, leaking, or damaged batteries. In such situations, contact DJI or a DJI authorized dealer.

- The battery should be used at a temperature between -10° and 40° C (14° and 104° F). High temperatures will shorten the battery life and may cause an explosion or fire. Low temperatures will reduce the battery performance.
- DO NOT disassemble or pierce the battery in any way. Otherwise, the battery may leak, catch fire, or explode.
- 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.
- 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 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

Goggles (Model: RCDS18)	
Weight	Approx. 290 g (with headband)
Operating Temperature	-10° to 40° C (14° to 104° F)
Power Input	Use DJI goggles battery only
Transmission	When used with different aircraft, the goggles will automatically select the corresponding firmware to match the transmission specification of the aircraft.
Operating Frequency	2.400-2.4835 GHz, 5.725-5.850 GHz (not available in some countries or regions)
Transmitter Power (EIRP)	2.4 GHz: <30 dBm (FCC), <20 dBm (CE/SRRC/MIC/KC) 5.8 GHz: <30 dBm (FCC), <23 dBm (SRRC), <14 dBm (CE/KC)
Wi-Fi	
Protocol	802.11b/a/g/n/ac
Operating Frequency	2.400-2.4835 GHz 5.150-5.250 GHz (indoor use only) 5.725-5.850 GHz (not available in some countries or regions)
Transmitter Power (EIRP)	2.4 GHz: <20 dBm (FCC/CE/SRRC/MIC/KC) 5.1 GHz: <20 dBm (FCC/CE/MIC/KC) 5.8 GHz: <20 dBm (FCC/SRRC/KC), <14 dBm (CE)
Bluetooth	
Protocol	Bluetooth 5.2
Operating Frequency	2.400-2.4835 GHz
Transmitter Power (EIRP)	<8 dBm
Goggles Battery	
Capacity	1800 mAh
Output Voltage	7V-9V = 1.5A

Energy	18 Wh
Charging Temperature	0° to 45° C (32° to 113° F)
Max Charging Power	12.6 W (5V = 2A / 9V = 1.4A)
DJI RC Motion 2 (Model RM220)	
Weight	Approx. 170 g
Operating Temperature	-10° to 40° C (14° to 104° F)
Operating Frequency	2.4000-2.4835 GHz 5.725-5.850 GHz (not available in some countries or regions)
Transmitter Power (EIRP)	2.4 GHz: <30 dBm (FCC), <20 dBm (CE/SRRC/MIC) 5.8 GHz: <30 dBm (FCC), <23 dBm (SRRC), <14 dBm (CE)

Warranty Information

DJI guarantees that warranty service will be provided for this product starting from the date of purchase. The product's warranty period depends on the specific component type. The warranty period varies and can be up to 12 months (or longer where required by local law) for different components. For more information about the warranty period and after-sales service policy, please visit <http://www.dji.com/service/policy>.

DJI Products and Australian Consumer Law

"DJI" means DJI TECHNOLOGY AUSTRALIA PTY. LTD. Address: 46 Indian Drive, Keysborough, VIC 3173. DJI guarantees that warranty service will be provided for this product starting from the date of purchase. The product's warranty period depends on the specific component type. The warranty period varies and can be up to 12 months (or longer where required by local law) for different components. For more information about the warranty period and after-sales service policy, please visit <http://www.dji.com/service/policy>.

*Warranty policies may vary according to the local laws and regulations. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. If you order one of our products in Australia, you have legal rights known as 'consumer guarantees' which apply for a reasonable time from the date of your purchase until the failure becomes apparent and regardless of the manufacturer warranty as provided in the DJI After-sales Policy. The manufacturer warranty therein applies in addition to the rights you have at law and are not intended to limit, modify or restrict your consumer guarantee rights in any way. The cost of labor, materials, diagnostic testing, and return delivery is covered by DJI, if under the warranty. Under the following conditions during the warranty period (for the latest update of the warranty period of each product, spare part and accessory, please refer to DJI official website:

<http://www.dji.com/service/policy>), the manufacturer warranty therein can be obtained.

1. The following conditions must be met for obtaining the manufacturer warranty service:

- During warranty period, a product is normal used, as intended by the manufacturer.
- No unauthorized disassembling, modification or installation has been performed.
- Labels, serial numbers, waterproof mark, false proof mark, etc. show no signs of tampering or altering;
- Valid proof of purchase documents in Australia (tax invoice, register receipt, order number, or bank statement showing the transaction) are available.

2. The manufacturer warranty does not cover the following:

- Crash or fire damage caused by non-manufacturing factors, including but not limited to, pilot errors.
- Damage caused by unauthorized modification, disassembly, shell opening not in accordance with official instructions or manuals.
- Damage caused by improper installation, incorrect use or operation not in accordance with the official instructions or manuals.

- Damage caused by a non-authorized service provider.
- Damage caused by unauthorized modification of circuits, mismatch or misuse of battery and charger.
- Damage caused by flights which did not follow recommended instruction manuals.
- Damage caused by operation in bad weather (i.e. strong wind, rain, sand/dust storm, etc.).
- Damage caused by operating the product in surrounding environment with electromagnetic interference (i.e. a mining areas, close to radio transmission towers, high-voltage wires, substations, etc.).
- Damage caused by operating the product in surrounding environment suffering from interference with other wireless devices (i.e. transmitter, video-link, Wi-Fi signals, etc.).
- Damage caused by operating the product at a weight greater than the safe takeoff weight as specified by the instruction manuals.
- Damage caused by a forced flight when components have aged or been damaged.
- Damage caused by reliability or compatibility issues when using unauthenticated third-party parts.
- Damage caused by operating the product with a low charged or defective battery.
- Uninterrupted or error-free operation of a product.
- Loss of, or damage to, your data saved in your product.
- Any software, whether provided with the product or installed subsequently.
- Failure of, or damage caused by any third party products, including those that DJI may provide or integrated into the DJI product at your request.
- Any technical or other support by DJI, such as assistance with “how-to” questions and those regarding product set-up and installation.
- Products or parts with an altered identification label or from which the identification label has been removed.

3. Miscellaneous

- You are responsible for shipping costs for refund, replacement or repair, provided always that your product is confirmed not to be covered under the manufacturer warranty by DJI.
- DJI technical staff will examine the product to identify the responsible party.
- If a product is out of the manufacturer warranty or does not belong to any manufacturer warranty issues, DJI will advise you of the cost of repair and return delivery prior to repair or send back the product.
- If your product is not covered by the manufacturer warranty, you can still request a paid repair service.
- You can contact DJI at support@dji.com or view our official website for more information.

The full terms and conditions of the manufacturer warranty are available at <http://www.dji.com/service/policy>. For information on Australian consumer laws, please visit Australian consumer law website at <http://www.consumerlaw.gov.au>.

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Documents / Resources

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Goggles 2 Motion Combo Motion Controller, Goggles 2 Motion Combo, Motion Controller, Controller