



dji FPV Combo FD1W4K Quadcopter/Drone with Camera User Guide

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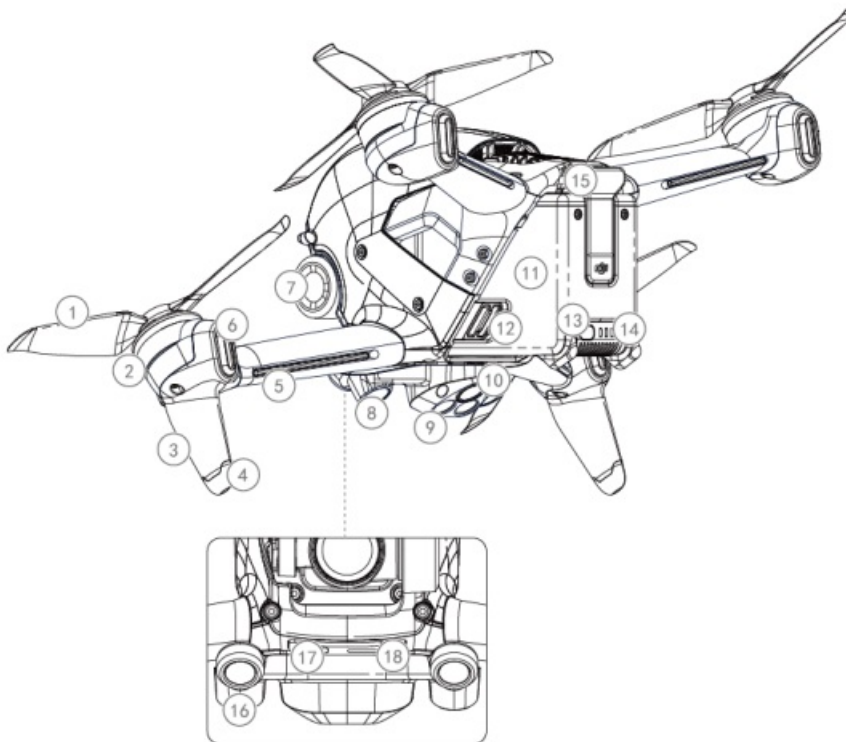


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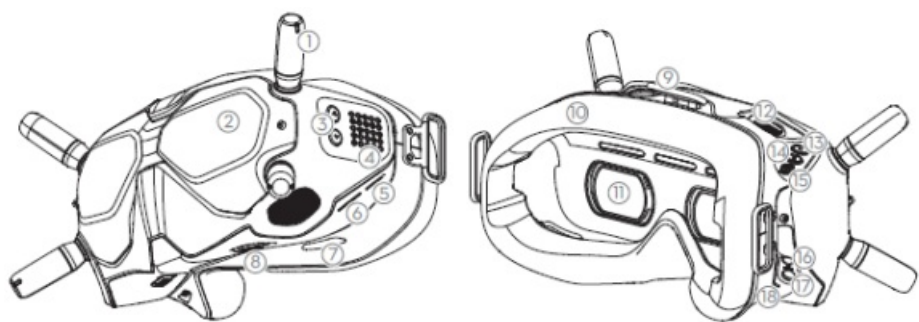
Introduction

Aircraft



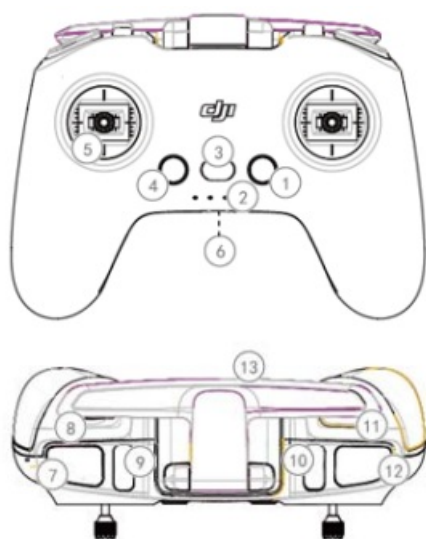
1. Propellers
2. Motors
3. Front LEDs
4. Landing Gears(Built-in antennas)
5. Frame Arm Light
6. Aircraft StatusIndicators
7. Gimbal and Camera
8. Downward Vision System
9. Infrared Sensing System
10. Auxiliary Light
11. Intelligent Flight Battery
12. Battery Buckles
13. Power Button
14. Battery Level LEDs
15. Battery Port
16. Forward Vison System
17. USB-C Port
18. microSD Card Slot

Goggles



1. Antennas
2. Front Cover
3. Channel Adjustment Buttons
4. Channel Display
5. USB-C Port
6. microSD Card Slot
7. Air Intake
8. Interpupillary Distance (IPD) Slider
9. Headband Attachment
10. Foam Padding
11. Lens
12. Air Vent
13. Record Button
14. Back Button
15. 5D Button
16. Audio/AV-IN Port
17. Power Port (DC5.5×2.1)
18. Link Button

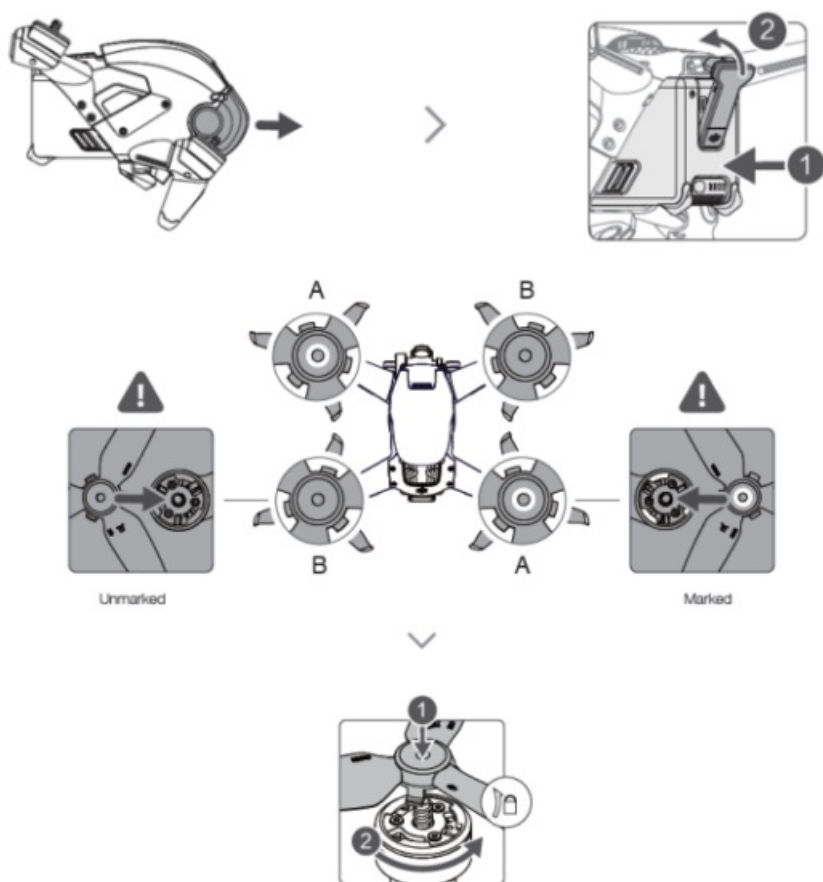
Remote Controller



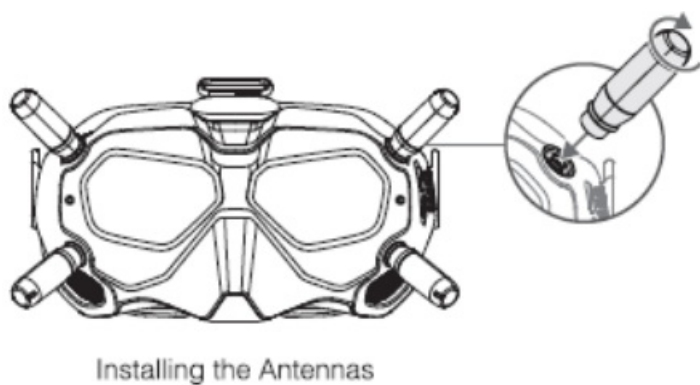
1. Power Button
2. Battery Level Indicator

3. Lanyard Attachment
4. Customizable Button
5. Control Sticks
6. USB-C-Port
7. Flight Pause Button
8. Gimbal Dial
9. Flight Mode Switch
10. Customizable Switch
 - Take-off/Landing Button (non-M mode) Lock/Unlock Button (M mode)
11. Shutter/Record Button
12. Antennas

Preparing the Aircraft

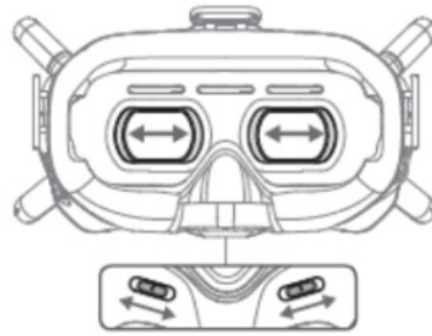


Preparing the Goggles

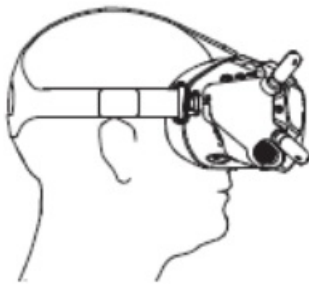




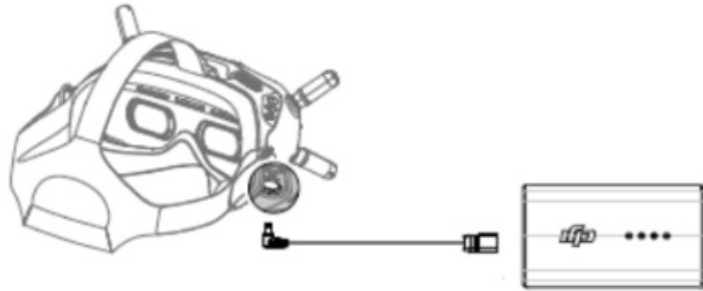
Installing the Headband



Adjusting the Interpupillary Distance
(58–70 mm)

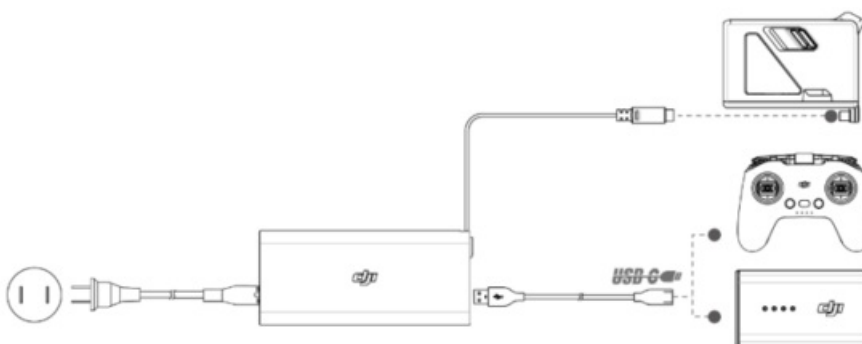
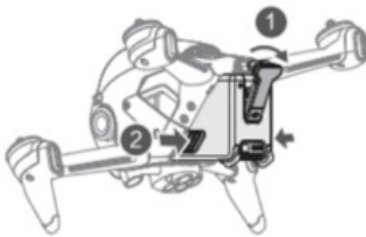


Wearing the Goggles

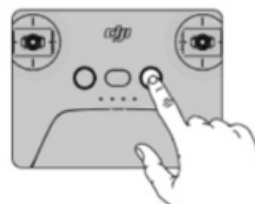
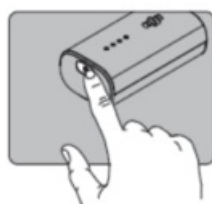


Power Supply

Charging



Checking Battery Levels and Powering On/Off



Press once to check the battery level.
Press, then press and hold to turn on/off.

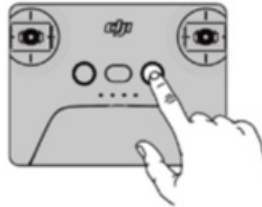
Linking

a.



1. Press the link button on the goggles.
2. Press and hold the power button of the aircraft.
3. The battery level indicator of the aircraft turns solid and display the battery level, the goggles stop beeping when successfully linked and the video display is normal.

b.



1. Press and hold the power button of the aircraft.
2. Press and hold the power button of the remote controller.
3. Both the battery level indicators turn solid and display the battery level, and the remote controller stops beeping when successfully linked.

When ready to link, the devices will give the following indication:

Aircraft: the battery level indicator blinks in sequence Goggles: the goggles beep continually Remote controller: the remote controller beeps continually and the battery level indicator blinks in sequence

Controls

Goggles



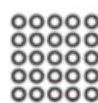
5D Button
Toggle to scroll through the menu.
Press to confirm.



Record Button
Press to start or stop video recording.



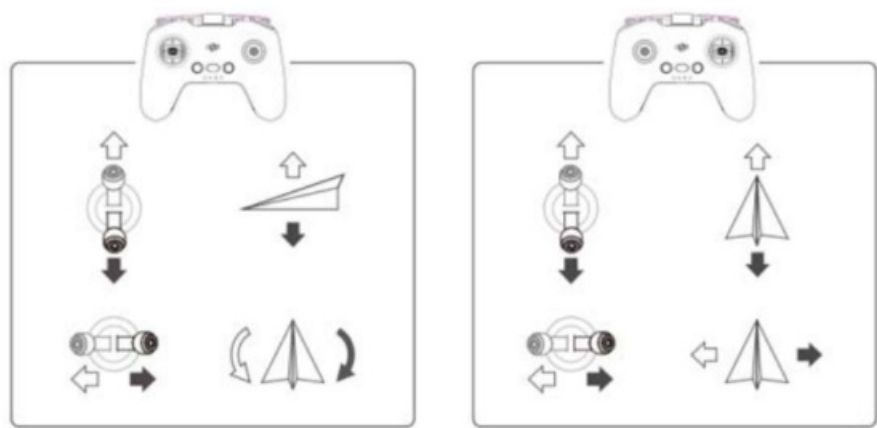
Back Button
Press to return to the previous menu or exit the current mode.



Channel Adjustment Buttons
Press to switch channels.

Channel Display
Displays the current channel.

Remote Controller



Specifications

Aircraft (Model: FD1W4K)	
Takeoff Weight	790 g
Max Flight Time	20 mins
Operating Temperature	-10°to 40°C
Operating Frequency	2.400-2.4835 GHz, 5.725-5.850 GHz
Transmitter Power (EIRP)	2.4G: ≤30 dBm (FCC), ≤20 dBm (CE/SRRC/MIC) 5.8G: ≤30 dBm (FCC/SRRC), ≤14 dBm (CE)
Camera	
Sensor	1/2.3” CMOS, Effective Pixels: 12M

Lens	FOV: 150° 35mm Format Equivalent: 14.66 mm Aperture: f/2.86 Focus: 0.6 m to ∞
ISO	100-3200
Electronic Shutter Speed	1/8000-1/60 s
Max Image Size	3840×2160
Video Resolution	4K: 3840×2160 50/60p FHD: 1920×1080 50/60/100/120/200p
Intelligent Flight Battery	
Capacity	2000 mAh
Voltage	22.2 V(standard)
Type	LiPo 6S
Energy	45.6 Wh@3C

Charging Temperature	5°to 40° C
Max Charging Power	90 W

Goggles (Model: FGDB28)	
Weight	Approx. 420 g(headband and antennas included)
Dimensions	184×122×110 mm(antennas excluded), 202×126×110 mm(antennas included)
Screen Size	2 inch×2
Screen Resolution (Single Screen)	1440×810
Operating Frequency	2.400-2.4835 GHz 5.725-5.850 GHz
Transmitter Power (EIRP)	2.4G: ≤30 dBm (FCC), ≤20 dBm (CE/SRRC/MIC) 5.8G: ≤30 dBm (FCC/SRRC), ≤14 dBm (CE)
Live View Mode	Low Latency Mode(810p 120fps), High Quality Mode (810p 60fps)
Video Format	MP4(Video format: H.264)
Supported Video Play Format	MP4 MOV MKV (Video format: H.264; Audio format: AAC-LC, AAC-HE, AC-3, MP3)
Operating Temperature	0°to 40° C
Power Input	11.1-25.2 V

Goggles Battery	
Capacity	2600 mAh
Voltage	7.4 V(standard)
Type	Li-ion 2S
Energy	19.3 Wh
Charging Temperature	0°to 45° C
Max Charging Power	21.84 W
Remote Controller (Model: FC7BGC)	
Operating Frequency	2.400-2.4835 GHz 5.725-5.850 GHz
Max Transmission Distance (unobstructed, free of interference)	2.4G: 8 km (FCC) 4 km (CE) 5.8G: 8 km (FCC) 1 km (CE)
Transmitter Power (EIRP)	2.4G: ≤30 dBm (FCC), ≤20 dBm (CE/SRRC/MIC) 5.8G: ≤30 dBm (FCC/SRRC), ≤14 dBm (CE)
Operating Current/Voltage	/

Compliance Information

FCC ComplianceNotice

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.

ISED Warning

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.

KCC Warning Message

NCC Warning Message

EU Compliance Statement: SZ DJI TECHNOLOGY CO., LTD. hereby declares that this device 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



CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE Environmentally friendly disposal. cal 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.



RF Exposure Information

SAR tests are conducted using standard operating positions accepted by the FCC/ ISED with the device


transmitting at its highest certified power level in all tested frequency bands, although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value.

Before a new model device is available for sale to the public, it must be tested and certified to the FCC/ ISED that it does not exceed the exposure limit established by the FCC/ ISED, Tests for each device are performed in positions and locations as required by the FCC/ ISED.

For head/Extremity, this model device has been tested and meets the FCC / ISED RF exposure guidelines when used with an accessory designated for this product or when used with an accessory that contains no metal.

Non-compliance with the above restrictions may result in violation of RF exposure guidelines.

Documents / Resources

	<p>dji FPV Combo FD1W4K Quadcopter/Drone with Camera [pdf] User Guide FGDB282006, SS3-FGDB282006, SS3FGDB282006, FPV Combo FD1W4K Quadcopter Drone with Camera, FPV Combo FD1W4K Quadcopter Drone with Camera, FD1W4K</p>
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References

- www.dji.com/