

dji FPV Drone Combo with Motion Controller User Guide

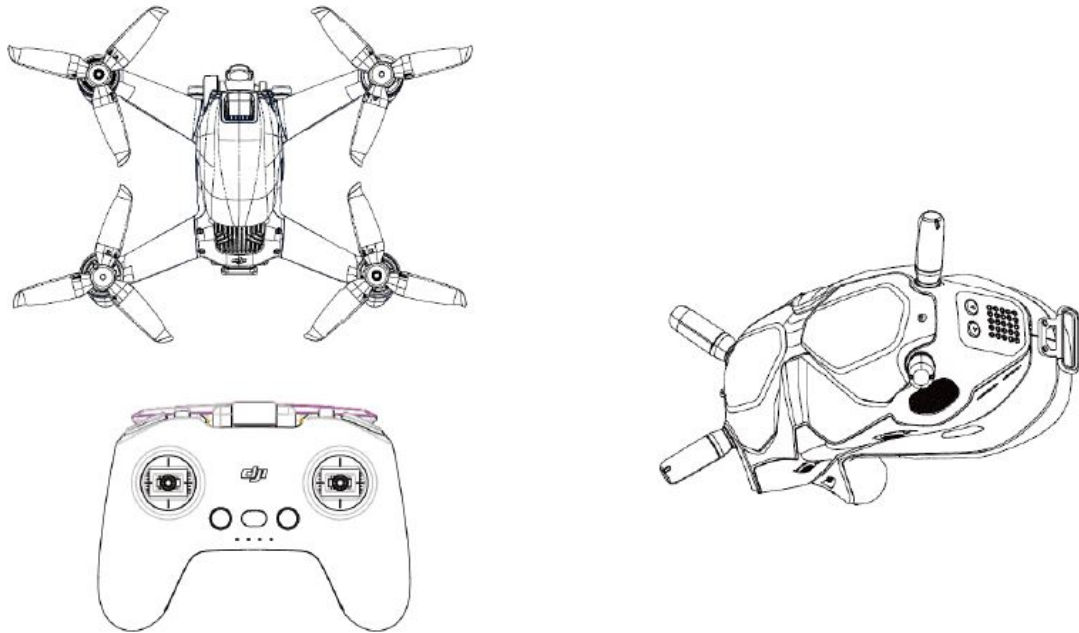
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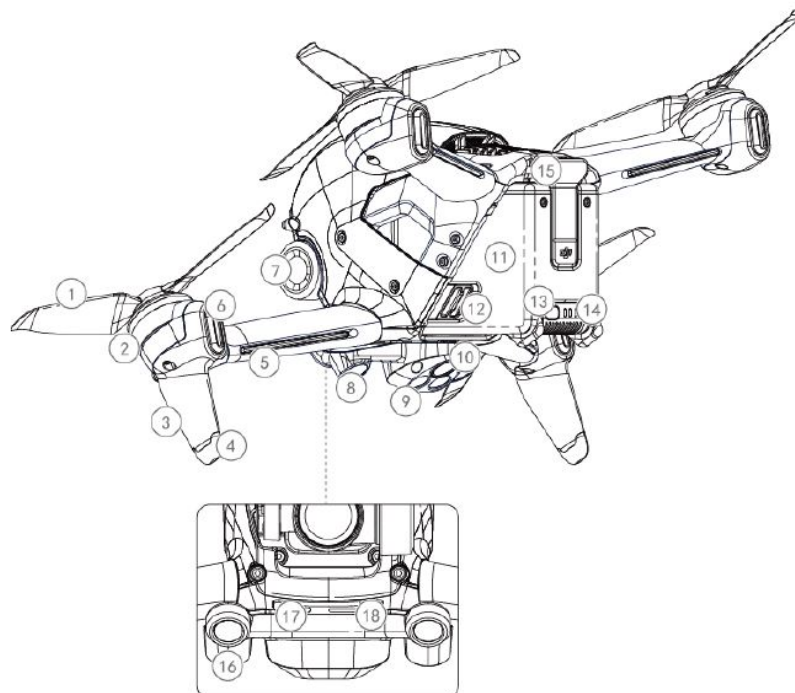


dji FPV Drone Combo with Motion Controller



Introduction

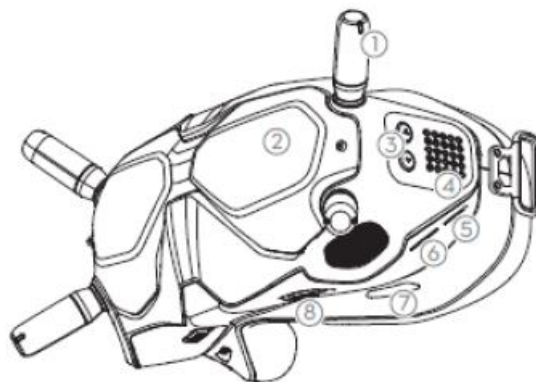
Aircraft



1. Propellers
2. Motors
3. Front LEDs
4. Landing Gears (Built-in antennas)
5. Frame Arm Light
6. Aircraft Status Indicators
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 Vision System
17. USB-C Port
18. microSD Card Slot

Goggles



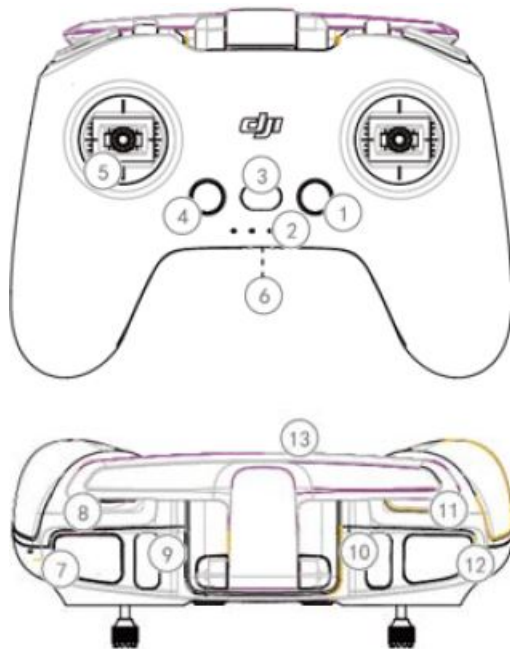
1. Antennas
2. Front Cover
3. channel Adjustment Buttons
4. Channel Display
5. USB-C Port
6. microSD Card Slot
7. Air Intake
8. Interpupillary Distance (IPD) Slider



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

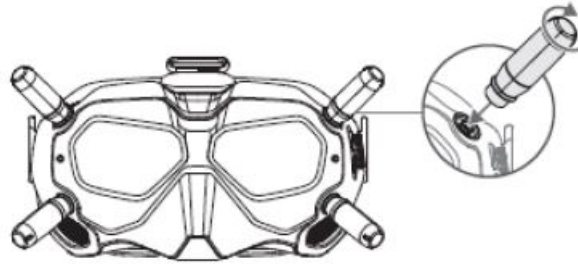
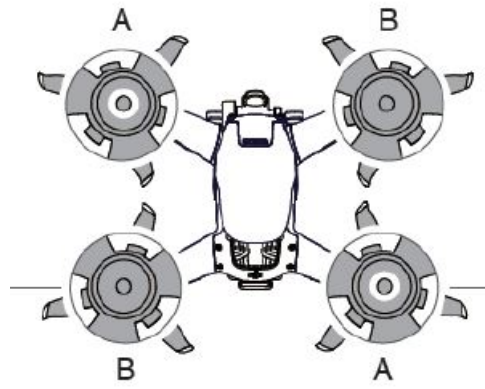
Remote Controller



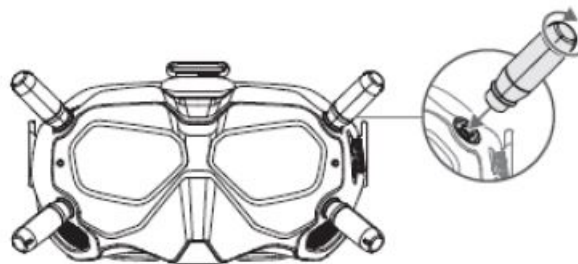
1. Power Button
2. Battery Level Indicator
3. Lanyard Attachment
4. Customizable Button
5. Control Sticks
6. USB-C-Port
7. Flight Pause Button
8. Gimbal Dial
9. Flight Mode Switch
10. Customizable Switch Take-off/Landing Button (non-M mode) Lock/Unlock Button (M mode)
11. Shutter/Record Button
12. Antennas

Preparing the Aircraft



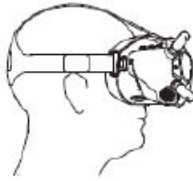


Preparing the Goggles

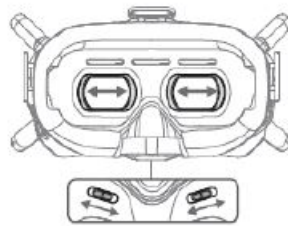




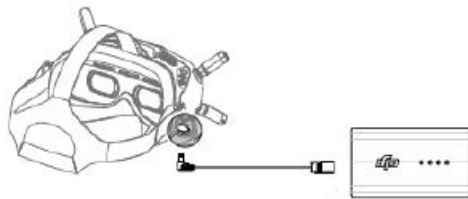
Installing the Headband



Wearing the Goggles

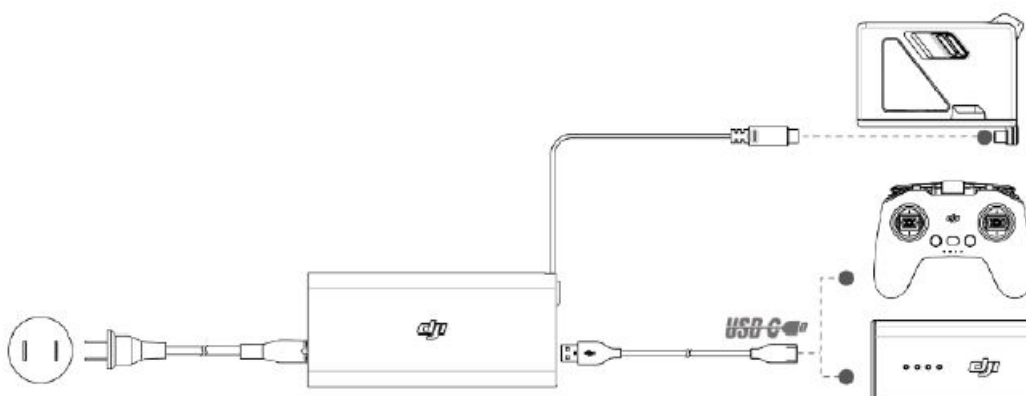
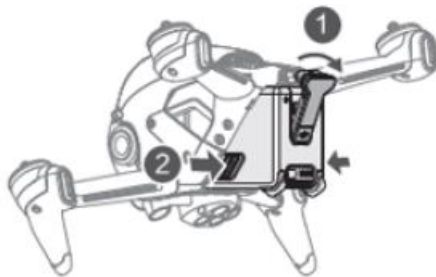


Adjusting the Interpupillary Distance
(58–70 mm)

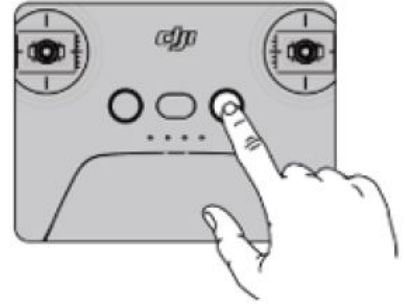
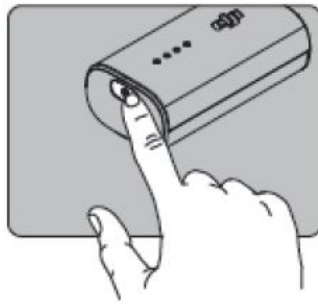
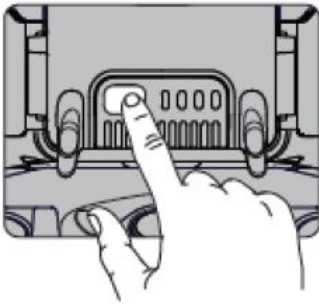


Power Supply

Charging

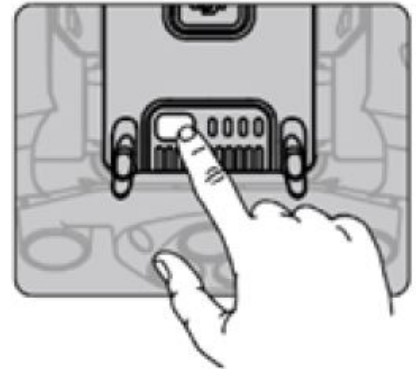
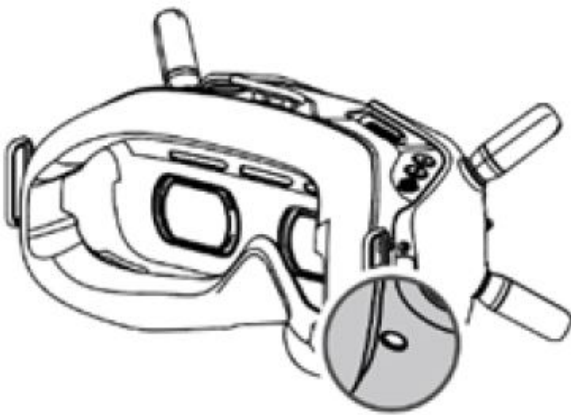


Checking Battery Levels and Powering On/Off

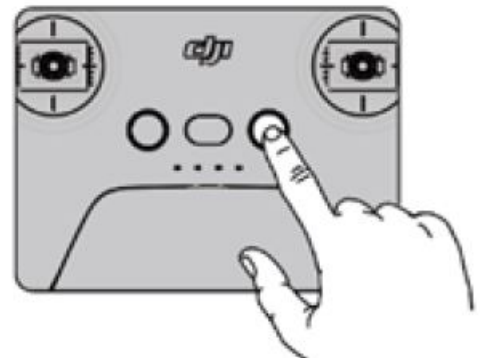
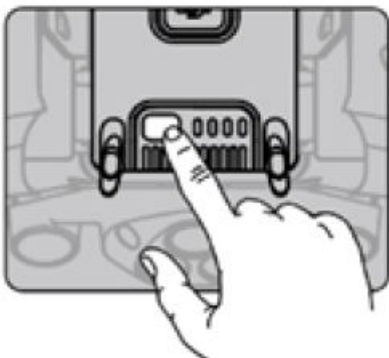


Press once to check the battery level. Press, then press and hold to turn on/off.

Linking



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.

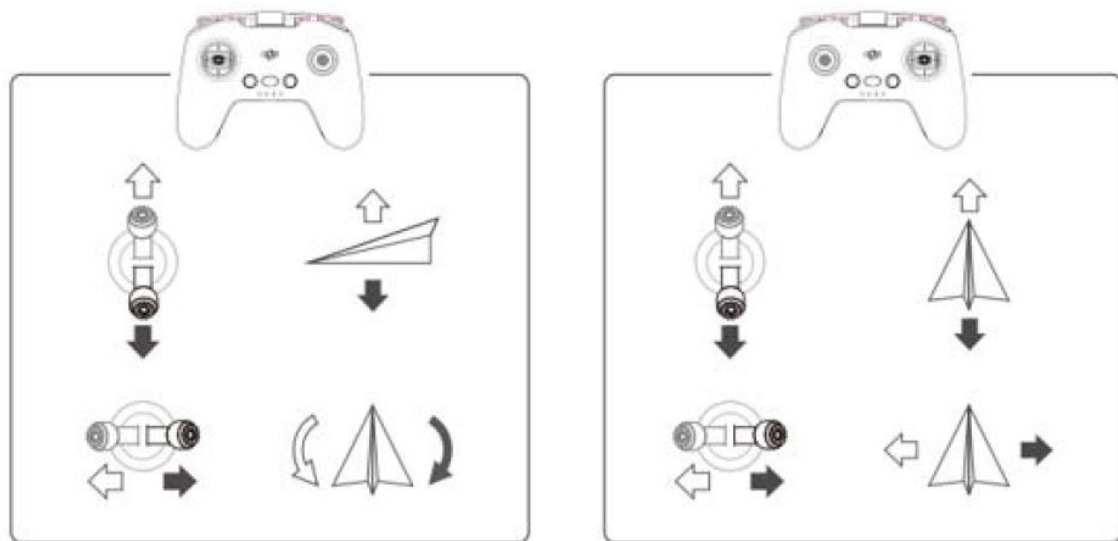


1. Press and hold the power button of the aircraft.
2. Press and hold the power button of the remote controller.
3. Both the battery level indicators turn solid and display the battery level, and the remote controller stop beeping when successfully linked.

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

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)

Compliance Information

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

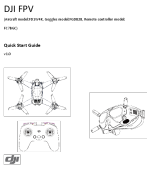
interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 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. 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.

Documents / Resources

	<p>dji FPV Drone Combo with Motion Controller [pdf] User Guide FD1W4K2006, SS3-FD1W4K2006, SS3FD1W4K2006, FPV Drone Combo with Motion Controller</p>
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