

# RC PLUS 2 CONTROLLER

## GENERAL

### Video Transmission System:

DJI O4 Enterprise Enhanced Video Transmission System

### Max Transmission Distance (unobstructed, free of interference):

40 km (FCC)

20 km (CE/SRRC/MIC)

Measured in an unobstructed environment free of interference. The above data shows the farthest communication range for one-way, non-return flights under each standard. During your flight, please pay attention to RTH reminder on the DJI Pilot 2 app.

### Video Transmission Operating Frequency and Transmitter Power (EIRP):

902-928 MHz: < 30 dBm (FCC), < 16 dBm (MIC)

2.400-2.4835 GHz: < 33 dBm (FCC), < 20 dBm (CE/SRRC/MIC)

5.150-5.250 GHz: < 23 dBm (FCC/CE)

5.725-5.850 GHz: < 33 dBm (FCC), < 14 dBm (CE), < 30 dBm (SRRC)

Operating frequency allowed varies among countries and regions. Refer to local laws and regulations for more information.

### Antenna:

2T4R, 2.4GHz/5.8GHz multi-beam high-gain antenna sub2G Module: 2T2R

### Enhanced Transmission:

Supports DJI Cellular Dongle 2

### Wi-Fi Protocol:

Wi-Fi Direct, Wireless Display, IEEE 802.11 a/b/n/ac/ax

Supports 2x2 MIMO Wi-Fi, dual-band simultaneous (DBS) support for dual MAC, with data rates up to 1774.5 Mbps (2x2 + 2x2 11ax dual-band simultaneous)

### Wi-Fi Operating Frequency:

2.4000-2.4835 GHz

5.150-5.250 GHz

5.725-5.850 GHz

5.2 and 5.8GHz frequencies are prohibited in some countries. In some countries, the 5.2GHz frequency is only allowed for use in indoor.



### Wi-Fi Transmitter Power (EIRP):

2.4 GHz: < 26 dBm, < 20 dBm (CE/SRRC/MIC)

5.1 GHz: < 23 dBm (FCC/CE/SRRC/MIC)

5.8 GHz: < 23 dBm (FCC/SRRC), < 14 dBm (CE)

### Bluetooth Protocol:

Bluetooth 5.2

### Bluetooth Operating Frequency:

2.400-2.4835 GHz

### Bluetooth Transmitter Power (EIRP):

< 10 dBm

# RC PLUS 2 CONTROLLER

**Screen Resolution:**

1920 × 1200

**Screen Size:**

7.02 inches

**Screen Frame Rate:**

60fps

**Brightness:**

1400 nits

**Touchscreen Control:**

10-Point Multi-Touch

**Built-in Battery:**

2S2P High Energy Density 18650 Lithium-ion Battery (6500 mAh @ 7.2 V) 46.8 Wh

**External Battery:**

Optional, WB37 (4920 mAh @ 7.6 V) 37 Wh

**Charging Type:**

Supports PD fast charging, with a maximum 20V/3.25A USB Type-C charger

**Storage Capacity:**

RAM 8G + ROM 128G UFS + expandable storage via microSD card

**Charging Time:**

2 hours for internal battery; 2 hours for internal plus external batteries.

When remote controller is powered off and using a standard DJI charger.

**Internal Battery Runtime:**

3.8 hours

**External Battery Runtime:**

3.2 hours

**Output Port:**

HDMI 1.4

**Indicators:**

Status LED, battery level LED, connection status LED, tricolor light, brightness adjustable according to ambient light

**Speaker:**

Supports buzzer

**Audio:**

Array MIC

**Operating Temperature:**

-20° to 50° C (-4° to 122° F)

**Storage Temperature:**

Within one month: -30° to 45° C (-22° to 140° F)

One to three months: -30° to 35° C (-22° to 113° F)

Three months to one year: -30° to 30° C (-22° to 86° F)

**Charging Temperature:**

5° to 40° C (41° to 104° F)

**Supported Aircraft Model:**

Matrice 400

**Global Navigation Satellite System:**

GPS + Galileo + BeiDou

**Dimensions:**

268×163×94.5 mm (L×W×H)

Width including external antenna folded, thickness including handle and controller sticks.

**Weight:**

1.15 kg (without external battery)

**Model:**

TKPL 2

**System Version:**

Android 11

**External Interfaces:**

HDMI 1.4, SD 3.0, USB-C with OTG

support, max 65W PD charging, USB-A with USB 2.0 support

**Accessories:**

Strap/waist support