DJI SMART CONTROLLER

OCUSYNC 2.0

Operation Frequency Range
2.400-2.4835 GHz, 5.725-5.850 GHz[1]
**Max Transmission Distance
(unobstructed, free of interference)**
10 km (FCC), 6 km (CE), 6 km (SRRC), 6 km (MIC)
Transmitter Power (EIRP)
2.400-2.4835 GHz:
25.5 dBm (FCC), 18.5 dBm (CE), 19 dBm (SRRC), 18.5 dBm (MIC)
5.725-5.850 GHz:
25.5 dBm (FCC), 12.5 dBm (CE), 18.5 dBm (SRRC)

WI-FI

Protocol
Wi-Fi Direct, Wireless Display, 802.11a/g/n/ac, Wi-Fi with 2×2 MIMO is supported
Operation Frequency Range
2.400-2.4835 GHz, 5.150-5.250 GHz
5.725-5.850 GHz
Transmitter Power (EIRP)
2.400-2.4835 GHz:
21.5 dBm (FCC), 18.5 dBm (CE)
18.5 dBm (SRRC), 20.5 dBm (MIC)
5.150-5.250 GHz:
19 dBm (FCC), 19 dBm (CE)
19 dBm (SRRC), 19 dBm (MIC)
5.725-5.850 GHz:
21 dBm (FCC), 13 dBm (CE), 21 dBm (SRRC)

BLUETOOTH

Protocol
Bluetooth 4.2
Operation Frequency Range
2.400-2.4835 GHz
Transmitter Power (EIRP)
4 dBm (FCC), 4 dBm (CE), 4 dBm (SRRC), 4 dBm (MIC)

GRIDX
metering and control

DJI SMART CONTROLLER

GENERAL

Dimensions
177.5 x 121.3 x 40 mm (antennas folded, and the control sticks unmounted)
177.5 x 181 x 60 mm (antennas unfolded, and the control sticks mounted)
Weight
Approx. 630 g
Model
RM500
Battery
18650 Li-ion (5000 mAh @ 7.2 V)
Charge Type
Supports USB power adapters rated 12 V/2 A
Rated Power
15 W
Storage Capacity
ROM 16 GB + scalable (microSD)
Charging Time
2 hours (using a USB power adapter rated 12 V/2 A)
Working Time
2.5 hours
Video Output Port
HDMI Port
Power Supply Current / Voltage (USB-A port)
5 V/ 900 mA
Operation Temperature Range
-4° to 104° F (-20° to 40° C)

Storage Temperature Range
<1 month: -22° to 140° F (-30° to 60° C)
1-3 months: -22° to 113° F (-30° to 45° C)
3-6 months: -22° to 95° F (-30° to 35° C)
>6 months: -22° to 77° F (-30° to 25° C)
Charging Temperature Range
41° to 104° F (5° to 40° C)
Supported Aircraft Models[2]
Please visit the official website for the latest information.
GNSS
GPS+GLONASS

SUPPORTED SD CARDS

microSD™
Supports microSD cards with a capacity of up to 128 GB and R/W speed up to UHS-I Speed Grade 3

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