

FAQs

How do I activate DJI Mini 2?

Connect your mobile device with the remote controller, then connect with DJI Mini 2 via the DJI Fly app. Follow the app instructions to activate DJI Mini 2.

I am a beginner, where can I find tips about using DJI Mini 2?

DJI Mini 2 comes with a user manual and comprehensive tutorials, which you can get from the Flight Academy in the DJI Fly app. You can follow DJI Support on Facebook and Twitter to get more tips on using DJI Mini 2.

Does Mavic Mini 2 support obstacle avoidance?

No.

Does DJI Mini 2 support automatic Return to Home (RTH)?

Yes. Always be sure to observe the surrounding environment carefully and set a proper altitude to avoid obstacles when using the Return to Home function.

Can DJI Mini 2 track objects automatically?

No.

Is there a way to apply to fly in a restricted zone?

Yes. You can apply for permission to operate in restricted flight areas using the DJI Fly app. Apply by tapping “Unlock GEO Zone” in the DJI Fly app, or fill in the required information at <https://www.dji.com/cn/flysafe/custom-unlock>.

What are the main upgrades of DJI Mini 2 compared to Mavic Mini?

Motors, image transmission, camera performance, intelligent features, and user experience have all improved significantly. The image transmission system is particularly impressive as it has been upgraded to OcuSync 2.0 from enhanced Wi-Fi. An optimized operation process also makes DJI Mini 2 more intuitive.

How is DJI Mini 2 different from Mavic Mini in appearance?

The design has not changed drastically. The main differences are DJI Mini 2 has orange

propeller tips, an additional front light, "4K" printed on the lens, a clickable aircraft status indicator, and smoother connection between the rear arm and the aircraft frame.

Are remote controllers of DJI Mini 2 and Mavic Mini interchangeable?

No.

Are batteries of DJI Mini 2 and Mavic Mini interchangeable?

No. Mavic Mini will not function with the battery of DJI Mini 2. Although the international version of DJI Mini 2 can use Mavic Mini's battery, the power will decrease and the total weight will exceed 250 g, requiring registration in some countries and regions. Please check local rules and regulations before use.

Are remote controllers of DJI Mini 2 and Mavic Air 2 interchangeable?

Yes. Update DJI Mini 2 in DJI Fly app to the firmware version 1.1.0.0 or above; Update DJI Mavic Air 2 to the firmware version 1.0.4.60 or above. After firmware update, the remote controller can connect both aircrafts.

What color options are available for DJI Mini 2?

Currently, light gray is the only color option for DJI Mini 2. However, the DIY Creative Kit is available, which can be used to personalize and decorate DJI Mini 2. The DIY Creative Kit can be purchased separately at the DJI Online Store.

What is the weight of DJI Mini 2?

The standard weight of the aircraft (including battery, propellers, and a microSD card) is 242 grams. Actual product weight may vary. Registration is not required in some countries and regions. Check local rules and regulations before use.

How do I turn on a DJI Mini 2 after unboxing?

To ensure transportation safety, DJI Mini 2 flight batteries are set to Sleep mode before shipping. Simply connect the aircraft with the battery charger to activate the battery and begin using. After activating the battery, press the power button once and then press and hold to turn on the aircraft.

Does DJI Mini 2 have internal storage? Can I install a microSD card? If yes, what kinds of microSD cards are recommended?

No. A microSD card is required in order to store images and footage. Recommended microSD cards are: Capacity Manufacturer/Model 16GB: SanDisk Extreme 32GB: Samsung

Pro Endurance, Samsung Evo Plus, SanDisk Industrial, SanDisk Extreme V30 A1, SanDisk Extreme V30 A2, SanDisk Extreme Pro V30 A1, SanDisk Extreme Pro V30 A2, Lexar 633x, Lexar 667x 64GB: Samsung Pro Endurance, Samsung Evo Plus, SanDisk Extreme V30 A1, SanDisk Extreme V30 A2, Lexar 633x, Lexar 667x, Lexar 1000x, Lexar High Endurance, Toshiba EXCERIA M303 V30 A1, Netac Pro V30 A1 128GB: Samsung Pro Plus, Samsung Evo Plus, SanDisk Extreme V30 A1, SanDisk Extreme V30 A2, SanDisk Extreme Plus V30 A1, SanDisk Extreme Plus V30 A2, Lexar 633x, Lexar 667x, Lexar 1000x, Lexar High Endurance, Toshiba EXCERIA M303 V30 A1, Netac Pro V30 A1 256GB: SanDisk Extreme V30 A1, SanDisk Extreme V30 A2

Can I take photos or video without a microSD card?

Yes. However, when a microSD card is not installed, the photos or videos you take will be of a lower resolution (720p). It is recommended to install a microSD card before shooting.

Is Mavic Mini 2 waterproof?

No.

What is the difference between the international version and Japanese version of DJI Mini 2?

The international version of DJI Mini 2 differs from the Japanese version in weight, operating time, battery, and propellers.

Does DJI Mini 2 comes in different versions for single frequency band and dual frequency bands?

No. DJI Mini 2 supports 2.4 GHz and 5.8 GHz simultaneously. In areas that support both frequency bands, DJI Mini 2 switches to the optimal frequency band and channel according to the signal conditions.

What is the diagonal distance of the DJI Mini 2?

Its diagonal distance is 213 mm.

How many times can the DJI Mini 2 aircraft arms be folded?

They can be folded 3,000 times.

Where are the DJI Mini 2 antennas located?

The Mavic Mini antennas are located on the front aircraft arm landing gears.

Do I need to remove the propellers when the DJI Mini 2 is not in use?

When storing the DJI Mini 2, it is unnecessary for you to remove the propellers, and note that you should not press down on the propellers. If the propellers become misshapen, the flight performance will be affected. We recommend that you use the propeller holder to protect the propellers.

How many compasses and IMUs are there in the DJI Mini 2?

There is only one compass and one IMU in the DJI Mini 2.

What positioning system is used by DJI Mini 2?

The DJI Mini 2 aircraft (with factory U0 firmware) is equipped with GPS and GLONASS positioning systems. After its firmware is updated to U1 version, it uses the GPS, GLONASS, and Galileo navigation systems.

Does the DJI Mini 2 have any heat sinks?

No, it does not have any heat sinks.

What is the max tilt angle of the DJI Mini 2 during flight?

S Mode: 40°

N Mode: 25°; up to 40° when flying upwind.

Gimbal and Camera

How many axes does the DJI Mini 2 gimbal have?

The DJI Mini 2 is equipped with a fully stabilized 3-axis gimbal.

Can I replace the DJI Mini 2 gimbal by myself?

No, you cannot replace the gimbal yourself.

Does the DJI Mini 2 support PIV (taking photos while recording)?

No, the DJI Mini 2 does not support PIV.

Does the DJI Mini 2 support replacing the ND/UV filter?

No, it does not support this.

What are the major parameters of DJI Mini 2's camera?

DJI Mini 2 is equipped with a 1/2.3-inch CMOS sensor with up to 12 million effective pixels.

What are the maximum photo and video resolutions supported by DJI Mini 2?

Photo Resolutions 4000×3000 (4:3) 4000×2250 (16:9) Video 4K 24/25/30 fps 2.7K 24/25/30 fps 1080p 24/25/30/48/50/60 fps

Can DJI Mini 2's camera zoom? How can I use it?

DJI Mini 2 supports digital zoom, namely: 4K: 2x 2.7K: 3x FHD: 4x In the video recording view of the DJI Fly app, tap the zoom icon, touch the screen with two fingers, or use the dial while pressing the Fn button on the remote controller to zoom in.

What photo modes does DJI Mini 2 support?

Single Shot, Interval and AEB Triple Shot.

Does DJI Mini 2 support portrait mode?

No.

Does DJI Mini 2 support panorama?

Yes. It supports Sphere, 180°, and Wide-Angle.

Does DJI Mini 2 support RAW photos?

Yes.

Does DJI Mini 2 support manual mode in taking photos and videos?

Yes. You can adjust shutter, ISO, and white balance in M mode.

Does Mavic Mini 2 support QuickShots?

Yes. The DJI Fly app QuickShots modes include Dronie, Helix, Rocket, Circle, and Boomerang.

What is the resolution of the photos and videos that the DJI Mini 2 supports

downloading onto mobile devices?

Photo: The DJI Mini 2 only supports downloading JPG photos, and does not support downloading RAW photos. Photos of any resolution can be downloaded.

Video: The DJI Mini 2 supports downloading videos at up to 4K. Whether the downloaded video can be played depends on the hardware of the mobile device.

Image Transmission

What image transmission technology is used by the DJI Mini 2 aircraft?

The DJI Mini 2 uses the OcuSync 2.0 image transmission technology.

The DJI Mini 2 image transmission signal is normal, but the screen is all black or white. What should I do to fix this issue?

Please check whether the camera setting parameters are set to M mode, and whether the ISO is too low or too high.

What is the normal range of the DJI Mini 2 video transmission delay?

200 ms to 240 ms.

What advantages does Ocusync 2.0 of DJI Mini 2 have over enhanced Wi-Fi in image transmission?

OcuSync 2.0 supports both 2.4 GHz and 5.8 GHz frequency bands. It features stronger interference resistance due to automatic frequency switching, delivering video transmission feeds at up to 10 km (when unobstructed, free of interference, and FCC-compliant).

What is DJI Mini 2's maximum video transmission resolution?

720p @ 30fps.

Does the remote controller support HDMI?

No.

How can I improve signal reception?

The smartphone clamp of the remote controller houses the antennas. Make sure that the antennas are pointed toward the aircraft. Check the user manual for more information

about setting the antenna direction. Additionally, 2.4/5.8 GHz wireless devices can cause interference to the signal. Please avoid high-density Wi-Fi signal sources, and consider turning off the Bluetooth on your mobile devices, as well as idle Bluetooth devices.

What is QuickTransfer? How do I use it?

QuickTransfer is an all-new feature of DJI Mini 2. It allows users to quickly transfer photos and videos in the DJI Fly app to the mobile device. With QuickTransfer, users can access the album of the aircraft in the DJI Fly app on the mobile device without connecting to the remote controller, and download photos and videos at 20 MB/s.

Method 1: a. Turn on the aircraft. As the aircraft status indicator automatically begins flashing yellow, press and hold the indicator for two seconds (ensure that the aircraft has been updated to the latest firmware; if the firmware version is 1.0.0.0, press the indicator button twice to switch the light) to turn the light blue, and then to pulsing lights. b. Enable Wi-Fi and Bluetooth on the mobile device, launch the DJI Fly app, and there will be a prompt to connect to the aircraft. c. Tap Connect. After a successful connection, you can access the aircraft album and download files at 20 MB/s. Note that when you connect the mobile device with the aircraft for the first time, you need to press the indicator button once to confirm connection. Method 2: When the aircraft is connected to the mobile device via the remote controller, enable Wi-Fi and Bluetooth on the mobile device to connect it with the aircraft. After you enter Playback in the DJI Fly app, tap the QuickTransfer icon in the upper righthand corner, and then you can download photos and videos from the aircraft to your smartphone.

Propulsion

What is the max wind speed resistance of the DJI Mini 2 aircraft?

The maximum wind speed resistance is scale 5 (8.5 to 10.5 m/s).

What is the max flight speed of the DJI Mini 2 aircraft?

The max horizontal flight speed (no wind) is:

S Mode: 16 m/s.

N Mode: 10 m/s.

C Mode: 6 m/s.

What is the model and size of the DJI Mini 2 propellers?

The propeller model is DJI 4726 FM, and the propeller diameter is 4.7 inches.

What are the reasons for the DJI Mini 2 aircraft's height and distance limit?

- a. In the beginner mode, the flight altitude is limited to 30 meters, and the flight distance is limited to 30 meters.
- b. The flight height and distance are set in the flight settings in DJI Fly.
- c. When taking off in an environment with poor GPS signals (where the number of satellites searched does not reach the minimum requirement for the aircraft to hover), the flight altitude will be restricted.
- d. If the pilot does not register the aircraft in China with their real name, the flight altitude will be limited to 30 meters, and the flight distance will be limited to 50 meters.
- e. When the aircraft is flying in a restricted flight zone, there will be flight restrictions.

For more information, please contact DJI Support.

What is the maximum flight time of DJI Mini 2?

31 minutes (measured while flying at 4.7 m/s in windless conditions).

What is the maximum flight altitude of DJI Mini 2?

The maximum flight altitude is 500 m, which may vary in different countries and regions due to local laws. Before flying, please check local laws and regulations.

Do I have to remove the propellers for storage and transportation?

No. Please do not bend the propellers as it may affect the flight performance. We recommend using the 360° Propeller Guard for protection when storing.

How often do DJI Mini 2 propellers need to be replaced? How can I change the propellers of DJI Mini 2?

Before each flight, it is necessary to check the propellers for cracks, wear, warp, corrosion, and loose screws. If any of these conditions are present, the propellers should be replaced. Follow the instructions in the user manual to replace the propellers. Use the included screwdriver to change the propellers. Please follow the instructions provided. Remove the two blades and screws on the same arm, and replace with the propellers in the same package with new screws. Attach the propellers with marks to the arms with marks, and the unmarked propellers to unmarked arms. Ensure that the propellers and arms are installed securely before each flight.

What is DJI Mini 2's maximum service ceiling?

The maximum service ceiling is 4000 m.

Battery

What is the battery type of the DJI Mini 2 aircraft?

LiPo 2S battery.

What is the charging temperature and operating temperature of the DJI Mini 2 battery?

Both the charging temperature and operating temperature of the DJI Mini 2 battery is 5 °C to 40°C.

How can I charge DJI Mini 2?

You can connect the aircraft to a charger with Type-C cable, or use the Two-Way Charging Hub.

Does DJI Mini 2 have special requirement for the charger? Does it support fast charging?

DJI Mini 2 does not have special requirements for the charger. You can use an ordinary USB charger. DJI Mini 2 supports QC and USB PD fast-charging protocols, and supports up to 29 W of input power.

What are the functions of the Two-Way Charging Hub?

The DJI Mini 2 Two-Way Charging Hub supports QC and USB PD fast-charging protocols, and can charge up to three batteries in sequence. You can also use it for battery storage or as a power bank to charge your mobile device or remote controller via the USB-A port.

How do I maintain DJI Mini 2 batteries?

Before storage, it is recommended to charge the battery to approximately 72%. It is recommended to charge and discharge the battery once every three months to improve battery performance. If the battery level is below 72%, it is recommended to charge it until it is 72% before storing. If the battery level is above 72%, the battery will discharge automatically after 5 days to 72%.

Remote controller

How do I link the DJI Mini 2 aircraft to the remote controller?

[Remote Controller Linking] Method 1: Connect the DJI Mini 2 aircraft to the mobile device, enter the flight interface in DJI Fly, and tap "Pair to Aircraft (Link)" at the bottom of the interface to enter the linking state; Method 2: Press and hold the "Customizable Button" on the upper left corner, the "Photo/Video Toggle" on the upper right corner, and the "Shutter/Record Button" on the top panel of remote controller for two seconds simultaneously. When the remote controller is beeping, and the battery level LEDs on the remote controller are blinking sequentially, you can start linking. [Aircraft Linking] When the DJI Mini 2 aircraft is powered on, press and hold the aircraft power button for 4 seconds. When the aircraft is beeping, and the battery level LEDs are blinking sequentially, the aircraft is linking.

What type of port is used by the DJI Mini 2 remote controller?

Type-C

Can the DJI Mini 2 remote controller charge mobile devices?

For iOS users, you can choose whether to charge the phone using the DJI Mini 2 remote controller in DJI Fly. For Android users, the DJI Mini 2 charges the mobile device once it is connected by default, which cannot be disabled in DJI Fly.

What is the operating temperature of the DJI Mini 2 remote controller?

We suggest that you operate the DJI Mini 2 in an environment with a temperature from -10°C to 40°C.

What is the battery capacity, charging duration, and battery life of the DJI Mini 2 remote controller?

The battery capacity of the DJI Mini 2 remote controller is 5200 mAh.

It takes 3.5 hours to fully charge the remote controller.

When the remote controller does not act as a charger, its battery life is 6 hours.

When it acts as a charger, its battery life is 4 hours.

What is the maximum width of mobile device supported by the DJI Mini 2 remote controller?

86 mm.

Firmware Upgrade

Does DJI Mini 2 aircraft upgrade require remote controller? Can I upgrade the aircraft by connecting it to smartphone?

Updating requires the remote controller instead of your smartphone.

Can I use other apps while upgrading DJI Mini 2 on the DJI Fly app?

No. If you do, the update will fail. You will then need to download the firmware and update it again.

Can I disconnect from the Internet once the firmware has been downloaded?

Yes.

What should I do if aircraft and battery firmware versions are inconsistent?

Connect DJI Mini 2 to the DJI Fly app. The app will then check firmware compatibility automatically. You should update according to the instructions.

What factors could lead to an upgrade failure?

a. Low battery. Before installing an update, make sure the battery level of the aircraft is above 15% and that of the remote controller is above 20%. b. Powering off DJI Mini 2 or the remote controller during an update. If this happens, restart DJI Mini 2 and the remote controller, and begin the update again. c. The internet was disconnected during the firmware download. d. If the update failure persists or the remote controller does not link with the aircraft, there may be firmware inconsistencies between the devices. In this case, use DJI Assistant 2 (Consumer Drones Series) on your computer to update the aircraft and the remote controller to the latest versions separately. During the update, the aircraft will restart multiple times and automatically shut down after the update has been completed.

Accessories

What Mavic Mini accessories can be used with DJI Mini 2?

The Mavic Mini DIY Creative Kit, Mavic Mini Snap Adapter, Mavic Mini Propeller Holder, and Mavic Mini Intelligent Flight Battery of the international version of Mavic Mini are compatible with the international version of DJI Mini 2. Although the international version of DJI Mini 2 can use Mavic Mini's battery, the power will decrease and the total weight will exceed 250 g, requiring registration in some countries and regions. Please check local rules and regulations before use.

Can Mavic Mini use the battery of DJI Mini 2?

No.

Are DJI Mini 2 Two-Way Charging Hub and Mavic Mini Two-Way Charging Hub interchangeable?

No. The Two-Way Charging Hub of Mavic Mini cannot charge the batteries of DJI Mini 2, whereas that of DJI Mini 2 can charge the batteries of Mavic Mini.

Can DJI Mini 2 remote controller use accessories of Mavic Mini remote controller?

Yes.