

A Beginner's Guide to DJI Mini 2 SE

Content

About DJI Mini 2 SE	4
Product Comparisons	4
Tutorials	8
User Manual	8
Unboxing and Getting Started	9
Unboxing and Storage	9
Removing and Attaching Gimbal Protector	11
Powering on/off the Device	13
Replacing the Propellers	14
Activating Your Device	16
Step 1: Download the app	16
Step 2: Connect the drone to other devices	16
Step 3: Activate for the first time	17
Step 4: Updating the Firmware	17
Checking Activation Information	17
Charging the Device	18
Choosing a Charger	18
Charging Method	19
Charging Duration	20
Battery Maintenance	21
Using for the First Time	21

Preparing the Aircraft	21
Gimbal Calibration	22
Preparing the Remote Controller	22
DJI Fly App	23
Getting Ready for First Flight	23
Intermediate Operations	23
QuickShots	23
Panorama	23
Zooming	24
Live Streaming	24
Smart RTH	24
Exporting Footage	25
Storage	25
Installing and Removing a Memory Card	27
Exporting the Photos/Videos	28
Tips for Flight Safety	28
Environmental Consideration	29
Flight Safety	29
Accessories Compatibility	30
DJI Care Service Plans	32

About DJI Mini 2 SE

At less than 249 g, the drone does not require registration in many regions, and is also be eligible for more complex operations. With a max battery life of 31 minutes, DJI Mini 2 SE is level 5 wind resistant and grants more than enough time to compose the perfect shot with Intelligent Flight modes such as QuickShots and Panoramas. Thanks to Smart Return to Home, automatic takeoff, and precise hovering, operation is more streamlined and safer than ever.

Click to know more: [DJI Mini 2 SE Technical Specifications](#)

Product Comparisons

Flight performance, image transmission, and intelligent features of DJI Mini 2 SE have all improved significantly, compared with DJI Mini SE. Comparisons are as follows:

Specifications	DJI Mini 2 SE	DJI Mini SE
Max Flight Time	31 min	30 min
Max Service Ceiling Above Sea Level	4000 m	3000 m
Max Wind Speed Resistance	Scale 5	Scale 4
Max Speed	S mode: 16 m/s	S mode: 13 m/s

	N mode: 10 m/s C mode: 6 m/s	P mode: 8 m/s C mode: 4 m/s
Max Transmission Distance	10 km (FCC)	4 km (FCC)
Camera Sensor	1/2.3"CMOS	1/2.3" CMOS
Effective Pixels	12 MP	12 MP
Max Video Bitrate	100 Mbps	40 Mbps
Video Resolution	2.7K/30p	2.7K/30p
Video Transmission System	OcuSync 2.0	Wi-Fi
Max Video Bitrate	8 Mbps	4 Mbps
Photo Format	JPEG/DNG (RAW)	JPEG
Panorama	Sphere, 180°, and Wide Angle	Not supported
QuickShots	Dronie, Rocket, Circle, Helix, and Boomerang	Dronie, Rocket, Circle, and Helix
Digital Zoom	1080P: 4x zoom 2.7K: 3x zoom Photo mode: 2x zoom	Not supported

Video Resolution	2.7K: 2720×1530 @ 24/25/30p FHD: 1920×1080 @ 24/25/30/48/50/60p	2.7K: 2720×1530 @ 24/25/30p FHD: 1920×1080 @ 24/25/30/48/50/60p
Obstacle Avoidance	/	/
QuickTransfer	Not supported	Not supported
Operating Temperature	0°C to 40°C	0°C to 40°C

DJI Mini 2 VS DJI Mini 2 SE:

Specifications	DJI Mini 2	DJI Mini 2 SE
Max Flight Time	31 min (International Version)	31 min
Max Service Ceiling Above Sea Level	4000 m	4000 m
Max Wind Speed Resistance	Scale 5	Scale 5
Max Speed	S mode: 16 m/s N mode: 10 m/s C mode: 6 m/s	S mode: 16 m/s N mode: 10 m/s C mode: 6 m/s

Max Transmission Distance	10 km (FCC)	10 km (FCC)
Camera Sensor	1/2.3" CMOS	1/2.3" CMOS
Effective Pixels	12 MP	12 MP
Max Video Bitrate	100 Mbps	100 Mbps
Video Resolution	4K/30p	2.7K/30p
Video Transmission System	OcuSync 2.0	OcuSync 2.0
Max Video Bitrate	8 Mbps	8 Mbps
Photo Format	JPEG/DNG (RAW)	JPEG/DNG (RAW)
Panorama	Sphere, 180°, and Wide Angle	Sphere, 180°, and Wide Angle
QuickShots	Dronie, Rocket, Circle, Helix, and Boomerang	Dronie, Rocket, Circle, Helix, and Boomerang
Digital Zoom	1080P: 4x zoom 2.7K: 3x zoom 4K: 2x zoom Photo mode: 2x zoom	1080P: 4x zoom 2.7K: 3x zoom Photo mode: 2x zoom

Video Resolution	4K: 24/25/30p 2.7K: 24/25/30/ 48/50/60p FHD: 1920×1080 @ 24/25/30/48/50/60p	2.7K: 2720×1530 @ 24/25/30p FHD: 1920×1080 @ 24/25/30/48/50/60p
Obstacle Avoidance	/	/
QuickTransfer	Supported	Not supported
Operating Temperature	0°C to 40°C	0°C to 40°C

To compare with other drones and find your best DJI drone for you, [click here](#).

Tutorials

For a step-by-step guide to the usage of DJI Mini 2 SE, click [here](#) to view the tutorials.

*** The below videos are applicable to DJI Mini 2 SE and DJI Mini 2, and the user interface may be shown differently due to aircraft firmware or app update.**

Note that the latest version of the user interface shall prevail.

User Manual

For more information about the product, please refer to the user manual: [DJI Mini 2](#)

[SE User Manual](#)

Unboxing and Getting Started

When the new drone is on hand, activate it before use. [Download DJI Fly](#), connect your drone, remote controller and mobile device, and activate your product following the prompts.

Consult the content below for a guide to powering on and activating your device.

Unboxing and Storage

In the Box for Different Combos:

- **DJI Mini 2 SE**



- **DJI Mini 2 SE Fly More Combo**



To better walk you through DJI Mini 2 SE Fly More Combo, we have prepared unboxing and storage videos for you.

- **Unboxing**

Watch this [video](#) for the more details.

1. RC Cable (Lightning Connector)
2. RC Cable (Micro-USB Connector & Type-C Connector)



- **Storage**

1. DJI Mini 2 SE
2. DJI RC-N1 Remote Controller
3. Two-Way Charging Hub and Intelligent Flight Battery
4. Propellers, RC Cables, etc.



Removing and Attaching Gimbal Protector

[Important] Remove the gimbal protector before powering on the drone.

- When powering on the drone, the gimbal will perform self-check*. If the gimbal protector is not removed, the motor may be damaged and the service life will be affected, or even damage the gimbal and impact the flight safety after takeoff.
- Protect your DJI Mini 2 SE gimbal and camera with this protector, and it is recommended to attach the gimbal protector during daily storage or carrying outdoors.

* If the drone is powered on without activation, the gimbal will not rotate and run self-check.

- **Removing the Gimbal Protector**

Push the lower buckle of the gimbal protector towards the camera to remove the gimbal protector.

Note: If GIF images are not displayed properly, click [here](#) for details.



- **Attaching the Gimbal Protector**

1. Snap the buckle at the upper part of the gimbal protector into the slot on the aircraft.
2. In the same way, snap the lower buckle into the slot at the bottom of the aircraft.



Powering on/off the Device

Press and hold the Power button on the aircraft or remote controller to power on or off the device.

- **Aircraft**



- **Remote Controller**



Replacing the Propellers

As we all know, there are two types of propeller/motor: CW and CCW, and you can easily recognize it through the mark on it. Before mounting the propeller, better confirm the mark on each first.

DJI Mini 2 SE has been installed with propellers before leaving the factory. In case of a propeller replacement, please refer to the steps below.

- **Distinguishing between Propellers**

If the propeller is mounted in an improper way, the drone cannot take off.

- ① Propeller CW
- ② Propeller CCW



- **Attaching or Replacing the Propellers**

Step 1: Place the drone horizontally and make sure that the drone's camera faces forwards;

Step 2: Tighten the propellers with a mark onto the motors using the provided screwdriver.

Step 3: Tighten the propellers without a mark onto the remaining motors.

To learn more about how to replace the propellers, watch the [video](#):

Mounting and Removing the Battery

If you would like to install or remove the battery from the drone, please see below:

- **Installing the Battery**



- **Removing the Battery**



Activating Your Device

DJI Mini 2 SE requires activation before first use. Follow the on-screen prompts to activate the device using DJI Fly.

Step 1: Download the app

DJI Fly is required for product activation and connection. [Click Here](#) to download and install the app.

Step 2: Connect the drone to other devices

Before takeoff, connect the drone to the remote controller and mobile device.

Watch this [video](#) for the detailed linking steps:

Step 3: Activate for the first time

Make sure that the aircraft, remote controller, and mobile device are connected and linking is successfully. Launch the DJI Fly app, and then complete the activation following the on-screen instructions (an Internet connection is required for activation).

For an overview of how to activate your device, watch the [video](#) below:

Step 4: Updating the Firmware

The DJI Mini 2 SE firmware needs to be updated with DJI Fly. Power on the aircraft and remote controller, and make sure that the remote controller is linked to the aircraft. Follow the on-screen instructions to update the firmware and note that Internet is required.

Click [Updating Your Drone](#) Firmware to know more.

Checking Activation Information

You can go to the [Activation Info](#) page for the specific activation information.

* You may need to learn more about [How to Check Your Product's Serial Number](#).

* Your device is warranted by DJI from the date of receipt, which will not be affected by the activation status of your device. Go to [After-Sales Service Policies](#) to learn more about the warranty period of product and components.

Charging the Device

Press the Power button on the aircraft and remote controller for one second respectively, and the status LEDs will light up. When only one LED is on, please charge the device before the flight.

Choosing a Charger

As DJI Mini 2 SE does not come with a charger, you can refer to the following content to select an appropriate charger.

- DJI Mini 2 SE supports QC and USB PD fast-charging protocols, and supports up to 29 W of input power.
- If you would like to purchase a charger, we recommend you add [DJI 18W USB-C Charger](#) to your cart.
- Other common PD fast charging chargers are supported, such as Apple USB- C power adapters and Android GaN chargers.



- If a PD fast charger is currently not available, you can also use a charger with a Type-C port for charging, but the charging speed may be relatively slower.



Charging Method

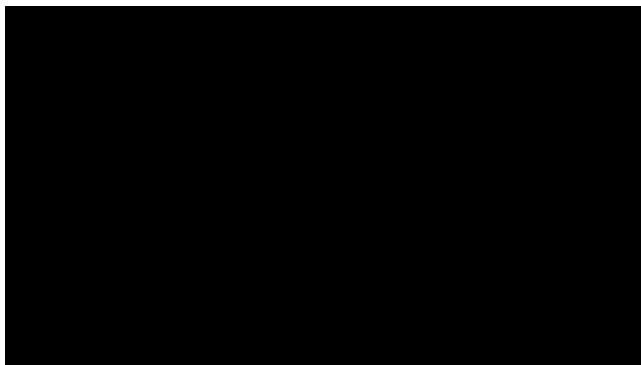
- **Connecting the aircraft with the battery mounted for charging**



- **Using the Battery Charging Hub**



- **Charging the DJI RC-N1 Remote Controller**



Charging Duration

- **Charging the aircraft**

The battery can be fully charged in about 1 hour and 22 minutes by a charger with a maximum charging power of 18 W.

- **Charging a Remote Controller**

The battery can be fully charged in about 3 hours and 30 minutes by a charger with a maximum charging power of 10 W.

Battery Maintenance

1. If a battery will not be used for 10 days or longer, discharge it to 40%-65% state of charge (until LED 3 lights up or blinks) for storage.
2. Charge and discharge the battery about every three months to maintain good conditions of the battery and extend lifetime of the battery. If the battery is stored after completely drained, it may over-discharge and be damaged.
3. Always store Intelligent Flight Batteries in a well-ventilated place.
4. The battery will enter Hibernation mode if depleted and stored for a long period of time. Recharge the battery to bring it out of Hibernation mode.

Using for the First Time

Follow the steps below to prepare to use the aircraft and remote controller.

Preparing the Aircraft

Step 1: Remove the gimbal protector and unfold the aircraft arms.

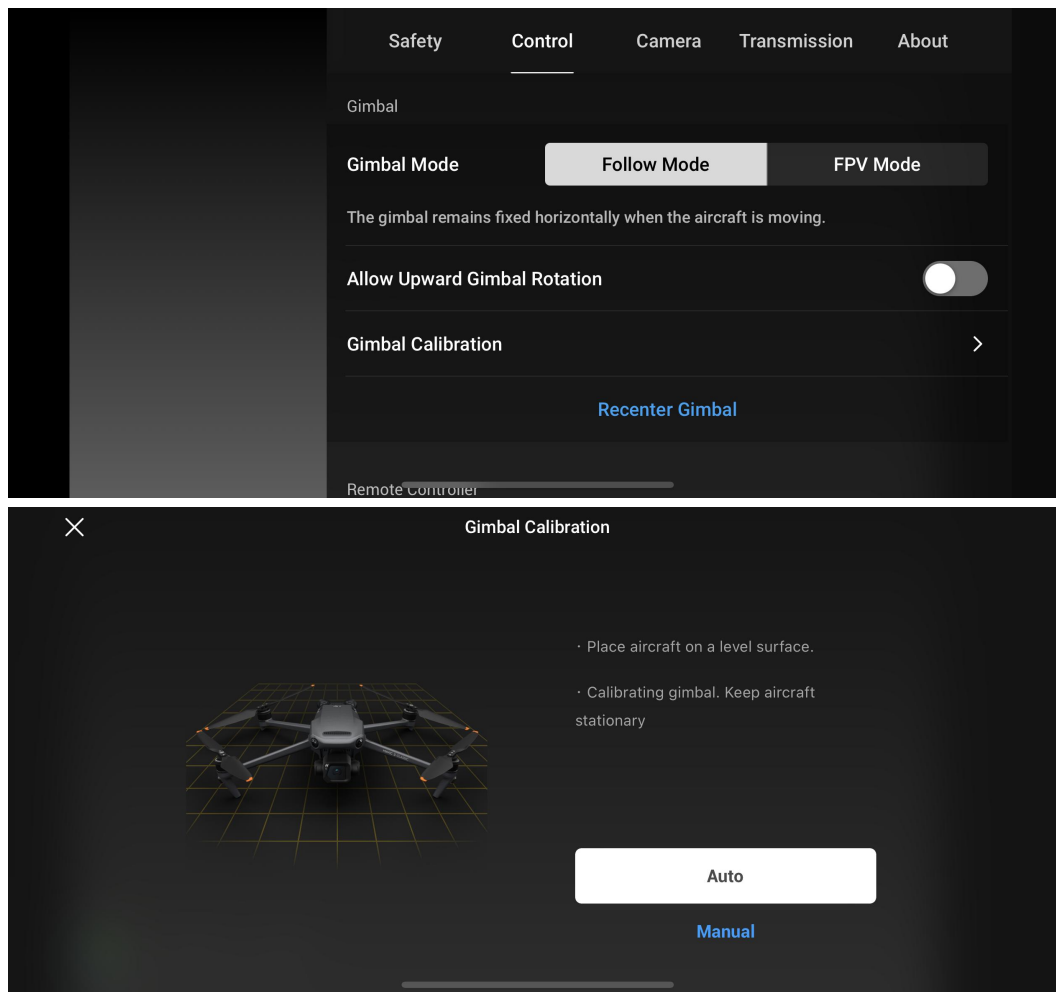
Step 2: Check the battery level of the drone battery, power on the drone, and place it on a flat ground. Note that the rear of the drone should face towards you.

Watch this [video](#) for the more details.

Gimbal Calibration

If the gimbal is skewed or DJI Fly App prompts for gimbal calibration, you can refer to the following pictures.

Path: ... > Control > Gimbal Calibration > Auto/Manual



Preparing the Remote Controller

Step 1: Remove the control sticks from the storage slots at the bottom of the remote controller and screw them into place.

Step 2: Place your mobile device in the holder, and connect the mobile device with the RC cable.

Step 3: Check the battery level of the remote controller and power on the remote controller. Then launch DJI Fly.

Watch this [video](#) for the more details.

DJI Fly App

Click [Introduction to DJI Fly App](#) to learn how to use the different buttons and functions of the app.

Getting Ready for First Flight

Watch this [video](#) to guide you through your first flight with DJI Mini 2 SE:

Intermediate Operations

QuickShots

DJI Mini 2 SE supports shooting in Dronie, Rocket, Circle, Helix, and Boomerang modes. The drone records according to the selected shooting mode and automatically generates a short video without pushing control sticks.

For an overview of how to use QuickShots, watch the [video](#).

Panorama

After selecting from Wide-Angle, 180°, and Sphere panoramas, DJI Mini 2 SE will automatically capture pictures and stitch them to a panoramic masterpiece almost instantly.

Watch this [video](#) for the more details.

Zooming

DJI Mini 2 SE supports up to 4x digital zoom to create the perfect composition.

Click to know more: [How to Zoom on Your Drone](#)

Live Streaming

When using DJI RC-N1 remote controller with your mobile device, you can live stream with your Mini 2 SE via DJI Fly. Enter the camera view and go to ["... " > Transmission > Enable Livestreaming] to broadcast the camera view in real time. DJI Mini 2 SE supports livestream platforms and multiple resolutions for you to choose from and connect with your world face-to-face at any time.

Note to input the RTMP address as below: RTMP address/stream key. Please do add the "/" (forward slash) between the RTMP address and the stream key. Only in this way, can the live streaming screen be displayed.

Smart RTH

Smart RTH is initiated either by tapping the RTH icon at the left side of the screen in the app or by pressing and holding the RTH button on the remote controller.

Watch the [video](#) to learn how to use Smart RTH:

Exporting Footage

DJI Mini 2 SE does not include an internal storage, so you cannot snap some photos and record videos or use QuickShots if you forget to bring a memory card. It is recommended to install a microSD card before shooting.

Purchase a memory card at [DJI Store](#).

Storage

The DJI Mini 2 SE package does not come with a microSD card. DJI Mini 2 SE supports microSD cards with capabilities of up to 256GB, and we recommend you choose a microSD card that is strictly tested:

16G:

Sandisk Extreme

32G:

Samsung Pro Endurance

Samsung Evo Plus, SanDisk Industrial

SanDisk Extreme V30 A2

SanDisk Extreme Pro V30 A1

SanDisk Extreme Pro V30 A2

Lexar 633x

Lexar 667x

64G:

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

128G:

Samsung Pro Plus

Samsung Evo Plus

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

256G:

SanDisk Extreme V30 A2

Installing and Removing a Memory Card

If you have purchased a memory card, you can insert it into the black memory card adapter, which can be attached to the TF slot on PC for further file transfer. Please note that the memory card is inserted into the drone without the card adapter.



Please see below for how to install and remove a memory card from the drone:

- **Installing a Memory Card**



- **Removing a Memory Card**



Exporting the Photos/Videos

The raw footage captured by DJI Mini 2 SE is stored in the microSD card. You can connect the drone to the remote controller and mobile device, and download the photos or videos through the app.

Refer to [Aircraft Photo or Video Files Export Guide](#) for further information.

Tips for Flight Safety

Please fly your drone in a safe environment, and strictly abide by local laws and regulations. Before a takeoff, have a glance at the nearby restricted and GEO zones.

Click to learn more [What Are GEO and Restricted Zones?](#)

To determine whether you'll need to unlock an area before flying there, start by checking: [Check GEO Zone](#).

Environmental Consideration

1. For safety reasons, you should never fly above people, animals, or moving vehicles: [Flight Safety Guidelines](#)
2. Minimize interference by avoiding areas with tall and dense buildings that may affect the signals between remote controller and aircraft. The performance of the aircraft is limited when flying at high altitudes. The maximum flight height of the aircraft is 500 m. For the maximum flight distance, please refer to the Specifications in the DJI's official website.

Beginner pilots should not be able to fly very far, and please always fly in open areas and keep your drone within line of sight. Mastering flight skills can result in better control, increased confidence, and an overall safer flight in any location.

Click [Altitude and Distance Limit](#) to know more.

Flight Safety

Pre-flight Checklist

1. Make sure that the propellers are mounted properly. Check whether the propellers are broken or bent, and whether all the propellers are unfolded.
2. Remove the gimbal protector before powering on the drone and make sure that the battery is mounted in place (a click can be heard).

3. After the device is powered on and connected, check whether there are any warnings shown in the app. If yes, follow on-screen instructions and fly the drone after no warnings are detected.

* The vision systems cannot work properly in any of the following situations:

- a) Flying over extremely dark surfaces, water or transparent surfaces, monochrome surfaces, or surfaces without clear patterns or texture;
- b) Flying over obstacles with small surface areas (e.g., tree branches).

Accessories Compatibility

To know more about the compatibility of DJI Mini 2 SE, DJI Mini 2 and DJI Mini SE, please refer to the following table:

Accessory	DJI Mini 2 SE	DJI Mini 2	DJI Mini SE
DJI RC-N1	√	√	×
DJI RC-N1 RC Cable	√	√	×
DJI Mini 2 Intelligent Flight Battery	√	√	√
DJI Mini 2 Propellers (Propellers (pair) x 2; Screw x 12)	√	√	√
Gimbal Protector	√	√	√
Screwdriver	√	√	√
USB-C Cable	√	√	√

Propeller Holder	√	√	√
Shoulder Bag	√	√	√
DJI Mini 2 Two-Way Charging Hub	√	√	√
DJI Mini 2 360° Propeller Guard	√	√	√
DJI 18W USB Charger	√	√	√
DJI RC-N1 Control Sticks (Pair)	√	√	×
DJI RC-N1 Remote Controller	√	√	×
Monitor Hood			
DJI RC-N1 Remote Controller	√	√	×
Tablet Holder			
DJI Mini Bag+	√	√	√

Popular Accessories

[DJI Mini 2 360° Propeller Guard](#): Specially designed with light texture, the propeller guard protects the propellers from collisions, and improves flight safety. It is especially applicable in indoor scenes with many obstacles, bringing more safety guarantees for beginners.

[DJI Mini 2 Intelligent Flight Battery](#): One Intelligent Flight Battery provides a 31-min max flight time, allowing you to explore more of your surroundings and fly with greater peace of mind.

For more information about accessories, please go to [DJI Store](#).

DJI Care Service Plans

DJI Care Refresh is a comprehensive and reliable protection plan that provides DJI products with coverage for a range of accidental damages such as collision, water damage, flyaway, and natural wear.

There are two DJI Care Refresh options available for you, 1-Year Plan and 2-Year Plan. By selecting the 2-Year Plan, the official warranty can be extended to two years, providing you with efficient, flexible, and optional protection solutions, and allowing you to enjoy your DJI product with greater peace of mind wherever you go.

[Add DJI Care Refresh 1-Year Plan \(DJI Mini 2 SE\)](#)

[Add DJI Care Refresh 2-Year Plan \(DJI Mini 2 SE\)](#)

- **[DJI Care Express]** A DJI service center will ship you a replacement as soon as they receive your product. DJI will cover shipping costs both ways anytime a product is sent back for replacement service.
- **[Comprehensive Coverage]** DJI Care Refresh covers collisions, flyaway, water damage, natural wear, and other accidental damage.
- **[Low-Price Replacement]** During the validity period of DJI Care Refresh, up to two low-price replacements are provided for 1-Year Plan, and up to three low-price replacements are provided for 2-Year Plan.

- **[Flyaway Coverage]** If a flyaway incident occurs, synchronize flight records and complete DJI Care Flyaway Aircraft Report on the remote controller, and simply pay the corresponding service fee to obtain a replacement product.
- **[Rewards for Safe Use]** If your product has not used replacement service during the term of validity, an additional 1-year extended warranty service will be provided for your product.

Finally, If your drone is flown away, water damaged, or collided, please go to [Help Center](#) and search keywords for solutions.