

DJI Mini 2 SE

DJI Mini 2 SE Drone User Manual

Model: Mini 2 SE | Brand: DJI

1. GETTING STARTED

This section guides you through the initial setup of your DJI Mini 2 SE drone, ensuring a smooth first flight experience.

1.1 Unboxing and Components

Carefully unpack all items from the box. Verify that all components are present.

- DJI Mini 2 SE Aircraft
- Remote Controller
- Intelligent Flight Battery
- Spare Propellers (Pair)
- Type-C Cable
- Gimbal Protector
- RC Cable (USB-C Connector)
- RC Cable (Lightning Connector)
- RC Cable (Standard Micro-USB Connector)
- Screwdriver
- Spare Screws



Image: All components of the DJI Mini 2 SE drone package, including the aircraft, remote controller, battery, cables, and tools.

1.2 Charging the Battery

Before first use, fully charge the Intelligent Flight Battery and the remote controller. Connect the Type-C cable to a USB power adapter (not included) and then to the battery or remote controller.

- The battery indicator lights will show charging status.
- Charging is complete when all indicator lights are solid.

1.3 Preparing the Drone

Unfold the drone arms and propellers. Ensure propellers are securely attached and free from damage.

1. Unfold the front arms first, then the rear arms.
2. Remove the gimbal protector.
3. Insert the fully charged Intelligent Flight Battery into the aircraft until it clicks into place.



Image: The DJI Mini 2 SE drone with its arms unfolded, ready for flight.

1.4 Remote Controller Setup

Prepare the remote controller for use by attaching your mobile device and connecting the appropriate RC cable.

1. Unfold the mobile device clamp on the remote controller.
2. Attach your smartphone to the clamp.
3. Connect the appropriate RC cable from your smartphone to the remote controller.
4. Download and install the DJI Fly app on your mobile device.



Image: The DJI Mini 2 SE drone positioned next to its remote controller, which has a smartphone mounted in its clamp.

2. OPERATION GUIDE

This section provides essential information for operating your DJI Mini 2 SE drone safely and effectively.

2.1 Pre-Flight Checklist

Always perform these checks before each flight:

- Ensure aircraft, remote controller, and mobile device batteries are fully charged.
- Check propellers for damage and ensure they are securely attached.
- Verify the gimbal protector is removed.
- Ensure the DJI Fly app is updated to the latest version.
- Check for sufficient GPS signal (if flying outdoors).
- Confirm local regulations and flight restrictions.

2.2 Taking Off and Landing

Use the DJI Fly app for automated take-off and landing, or manual controls for experienced pilots.

- **Automatic Take-off:** In the DJI Fly app, tap the auto take-off icon and confirm.
- **Manual Take-off:** Push both control sticks to the bottom inner or outer corners to start motors, then push the left stick up to ascend.
- **Automatic Landing:** In the DJI Fly app, tap the auto landing icon and confirm.
- **Manual Landing:** Gently pull the left stick down to descend. Once landed, hold the left stick down for a few seconds to stop the motors.

2.3 Flight Controls

The remote controller uses a standard mode 2 configuration:

- **Left Stick:** Controls altitude (up/down) and yaw (rotate left/right).
- **Right Stick:** Controls forward/backward movement (pitch) and left/right movement (roll).
- Refer to the DJI Fly app for detailed control diagrams and customization options.

2.4 Camera Operation

The DJI Mini 2 SE is equipped with a camera capable of 2.7K video recording and JPEG image capture.

- **Photo/Video Switch:** Use the dedicated button on the remote controller or the DJI Fly app interface.
- **Shutter/Record Button:** Press once to take a photo, press again to start/stop video recording.
- **Gimbal Tilt Dial:** Use the dial on the remote controller to adjust the camera's vertical angle.

2.5 Flight Modes

The DJI Mini 2 SE offers various flight modes to suit different piloting needs:

- **Normal Mode (N):** Standard flight mode, offering balanced speed and control.
- **Sport Mode (S):** Increases aircraft responsiveness and speed for dynamic flight.
- **Cine Mode (C):** Reduces flight speed and control sensitivity for smoother, cinematic footage.



Image: The DJI Mini 2 SE drone in flight against a clear sky, demonstrating its operational state.

3. MAINTENANCE AND CARE

Proper maintenance ensures the longevity and optimal performance of your DJI Mini 2 SE drone.

3.1 Cleaning

- Wipe the aircraft and remote controller with a clean, soft cloth after each use.
- Do not use alcohol or other solvents.
- Ensure no dust or debris enters the motors or camera lens.

3.2 Propeller Inspection and Replacement

- Inspect propellers for cracks, bends, or other damage before each flight.
- Replace damaged propellers immediately using the provided screwdriver and spare screws.
- Ensure propellers are installed correctly according to their markings (e.g., 'A' and 'B').

3.3 Battery Care

- Store batteries in a cool, dry place.
- Do not overcharge or over-discharge batteries.
- If storing for extended periods, discharge batteries to 40-60% capacity.

3.4 Storage

- Fold the drone arms before storing.
- Reattach the gimbal protector to prevent damage during transport or storage.
- Store the drone and accessories in a protective case.



Image: The DJI Mini 2 SE drone with its arms folded, ready for compact storage or transport.

4. TROUBLESHOOTING

This section addresses common issues you might encounter with your DJI Mini 2 SE drone and provides solutions.

4.1 Common Issues and Solutions

Issue	Possible Cause	Solution
Drone does not power on	Low battery, incorrect battery insertion	Ensure battery is fully charged and correctly inserted. Press power button once, then press and hold.
No video feed in DJI Fly app	RC cable disconnected, app not running, interference	Check RC cable connection. Restart DJI Fly app. Move to an area with less interference.
Poor GPS signal	Flying indoors, obstructed view of sky	Fly outdoors in an open area with a clear view of the sky. Avoid flying near tall buildings or dense foliage.
Drone drifts during flight	Compass interference, IMU calibration needed	Perform compass calibration in the DJI Fly app. If issue persists, perform IMU calibration. Avoid flying near strong magnetic fields.

5. TECHNICAL SPECIFICATIONS

Detailed specifications for the DJI Mini 2 SE drone.

Specification	Detail
Brand	DJI
Model Name	Mini 2 SE
Item Weight	245 Grams (8.6 ounces)
Product Dimensions	7.87 x 7.87 x 3.94 inches
Video Capture Resolution	2.7K
Video Capture Format	MP4
Supported Image Format	JPEG
Connectivity Technology	OcuSync 2.0, OcuSync 3.0, Bluetooth
Batteries	1 Lithium Ion battery required (included)
Skill Level	Intermediate
Material	Plastic
Manufacturer Part Number	CP.MA.00000573.01



Image: The DJI Mini 2 SE drone in flight, highlighting its approximate 31-minute flight duration.



Image: A person holding the DJI remote controller with a smartphone displaying a drone's view, emphasizing the 10 km transmission range.

6. WARRANTY AND SUPPORT

Information regarding product warranty and how to obtain customer support.

6.1 Warranty Information

The DJI Mini 2 SE drone is covered by a manufacturer's warranty. Please refer to the official DJI website or the warranty card included in your product packaging for specific terms, conditions, and duration of the warranty.

- Warranty typically covers manufacturing defects.
- Damage caused by improper use, accidents, or unauthorized modifications may not be covered.

6.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact DJI customer

support.

- Visit the official DJI Support website for FAQs, tutorials, and contact information.
- Ensure you have your product's serial number ready when contacting support.
- You can find more information and resources on the [DJI Store](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question