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DJI CRT2DJIMINI2RB

# DJI Mini 2 Ultralight and Foldable Drone Quadcopter User Manual

Model: Mini 2

## INTRODUCTION

This manual provides essential instructions for the safe and effective operation, maintenance, and troubleshooting of your DJI Mini 2 Ultralight and Foldable Drone Quadcopter. Please read this manual thoroughly before using the product.



Image: The DJI Mini 2 drone, showcasing its compact and foldable design.

## SAFETY GUIDELINES

- Always operate the drone in open areas, away from people, buildings, and obstacles.
- Ensure the drone is fully charged before each flight.
- Adhere to local regulations regarding drone operation, including altitude limits and no-fly zones.
- Do not fly in adverse weather conditions such as strong winds (above Level 5), rain, or snow.

- Maintain visual line of sight with the drone during flight.

## SETUP

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### 1. Unboxing and Initial Inspection

Carefully remove all components from the packaging. Verify that all items listed in the package contents are present and undamaged.



Image: Contents of the DJI Mini 2 package, showing the drone, remote controller, battery, charging cables, and spare propellers.

### 2. Charging the Battery

Connect the drone battery and remote controller to a power source using the provided USB cable. The battery indicator lights will show charging status. Ensure both are fully charged before first use.

- **Drone Battery:** Insert into the drone or charging hub (if available).

- **Remote Controller:** Connect directly via USB.

### 3. Installing Propellers

Attach the propellers to the motor shafts. Match the marked propellers to the corresponding motor arms (e.g., silver cap to silver cap, no cap to no cap). Use the provided screwdriver for secure installation.



Image: A close-up view of the DJI Mini 2's propellers and motors, illustrating their attachment points.

### 4. Installing the DJI Fly App

Download and install the DJI Fly app on your mobile device. The app is compatible with iOS v10.0 or Android v6.0 and above. Refer to the compatibility list in the specifications section for supported devices.

Search for "DJI Fly" in your device's app store or visit the official DJI website.

### 5. Linking the Remote Controller and Drone

Power on both the drone and the remote controller. Open the DJI Fly app and follow the on-screen instructions to link the devices. This process typically involves pressing a linking button on the drone and confirming in the app.

## OPERATING INSTRUCTIONS

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## 1. Pre-Flight Checklist

- Ensure batteries are fully charged (drone and remote).
- Propellers are securely attached and undamaged.
- Gimbal protector is removed.
- Sufficient storage space on the microSD card (not included).
- GPS signal is strong (indicated in DJI Fly app).
- Flight area is clear of obstacles and people.

## 2. Taking Off and Landing

**Automatic Takeoff:** In the DJI Fly app, tap the auto-takeoff icon and confirm. The drone will ascend to a safe height and hover.

**Manual Takeoff:** Push both control sticks down and inwards simultaneously to start the motors. Slowly push the left stick up to ascend.

**Automatic Landing:** Tap the auto-landing icon in the app. The drone will descend and land automatically.

**Manual Landing:** Slowly pull the left stick down to descend. Once landed, push both control sticks down and inwards to stop the motors.

## 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 and left/right movement.
- **Flight Mode Switch:** Located on the remote, allows switching between Normal, Sport, and Cine modes.



Image: The DJI Mini 2 remote controller, showing its ergonomic design and control sticks.

## 4. Camera Operation and QuickShots

The DJI Mini 2 features a 4K camera with a 3-axis gimbal for stable footage. Use the DJI Fly app to control camera settings, capture photos (12MP), and record videos (4K/30fps).

**QuickShots:** Access various intelligent flight modes like Dronie, Helix, Rocket, Circle, and Boomerang through the DJI Fly app. These modes automatically execute complex flight paths and video recordings.



Image: The DJI Mini 2 drone highlighting its 4K camera and 3-axis gimbal for stable video capture.

## MAINTENANCE

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### 1. Cleaning

- Wipe the drone body with a soft, dry cloth after each flight.
- Gently clean the camera lens and vision sensors with a lens cleaning cloth.
- Ensure no dust or debris is lodged in the motors or propeller mounts.

### 2. Propeller Inspection and Replacement

Regularly inspect propellers for cracks, bends, or damage. Replace any damaged propellers immediately using the provided spare propellers and screwdriver.

Always replace propellers in pairs (e.g., both A-type or both B-type) to maintain flight balance.

### 3. Battery Care

- Store batteries in a cool, dry place.
- Do not overcharge or over-discharge batteries.
- If storing for extended periods, charge batteries to approximately 50-60% capacity.

### 4. Firmware Updates

Periodically check for firmware updates via the DJI Fly app. Keeping the firmware updated ensures optimal performance and access to new features.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not power on	Low battery; Battery not properly inserted	Charge battery; Reinsert battery securely
No GPS signal	Flying indoors; Obstructions; Weak satellite signal	Fly outdoors in an open area; Wait for stronger signal
Unstable flight	Damaged propellers; Strong winds; Calibration needed	Replace propellers; Avoid flying in strong winds; Calibrate IMU/compass via DJI Fly app
Image/Video quality poor	Dirty camera lens; Incorrect camera settings; Gimbal obstruction	Clean lens; Adjust settings in DJI Fly app; Remove gimbal protector
Remote controller disconnects	Low remote battery; Interference; Out of range	Charge remote; Move to an area with less interference; Fly within operational range (up to 10km)

## SPECIFICATIONS

- Model:** Mini 2
- Weight:** Less than 249 g (0.55 lbs)
- Product Dimensions:** 5.71"L x 5.51"W x 7.36"H
- Max Flight Time:** 31 minutes
- Max Wind Resistance:** Level 5 (29-38 km/h)
- Video Transmission System:** OcuSync 2.0
- Max Transmission Range:** 10 km (FCC)
- Camera:** 1/2.3" CMOS, 12 MP Effective Pixels
- Lens:** FOV: 83°, 35 mm format equivalent: 24 mm, Aperture: f/2.8
- Video Resolution:** 4K: 3840×2160 @ 24/25/30fps; 2.7K: 2720×1530 @ 24/25/30/48/50/60fps; FHD: 1920×1080 @ 24/25/30/48/50/60fps
- Photo Format:** JPEG/DNG (RAW)

**Video Format:** MP4 (H.264/MPEG-4 AVC)

**Gimbal:** 3-axis mechanical gimbal (tilt, roll, pan)

**Operating Frequency:** 2.400-2.4835 GHz; 5.725-5.850 GHz

**Operating Temperature:** 0° to 40°C (32° to 104°F)

**Supported Mobile Device Size:** Max length: 92 mm

**Compatible Mobile Devices:** iOS v10.0 or Android v6.0 and above (Refer to DJI Fly app for full list)

**UPC:** 649661566052

**Item Model Number:** CRT2DJIMINI2RB

## WARRANTY INFORMATION

This product is covered by DJI's standard warranty policy. For detailed warranty terms and conditions, please visit the official DJI website or contact DJI customer support. Keep your proof of purchase for warranty claims.

**Note:** This specific product is listed as "Renewed". Warranty terms for renewed products may differ from new products. Please refer to the seller's specific warranty or return policy for renewed items, which typically includes a 90-day return policy.

## SUPPORT AND CONTACT

For further assistance, technical support, or service inquiries, please contact DJI customer support through their official website. You can also find FAQs, video tutorials, and community forums on the DJI support page.


**Official DJI Website:** [www.dji.com](http://www.dji.com)

**DJI Support Page:** [www.dji.com/support](http://www.dji.com/support)



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### Related Documents - CRT2DJIMINI2RB

	<p><a href="#">DJI Mini 2 User Manual: Comprehensive Guide to Operation and Features</a></p> <p>Explore the DJI Mini 2 drone with this comprehensive user manual. Learn about flight modes, setup, camera operation, safety guidelines, and the DJI Fly app for optimal performance and aerial photography.</p>
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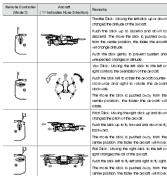
Comprehensive user manual for the DJI Mini 2 drone, covering setup, flight operations, features, and safety guidelines. Learn about aircraft preparation, remote controller usage, flight modes, intelligent flight features, battery management, and the DJI Fly app.



Explore the DJI Mini 2 user manual for detailed instructions on setup, flight modes, remote controller operation, DJI Fly app features, and essential safety guidelines for this advanced drone.



Explore the frequently asked questions about the DJI Air 3, detailing its upgrades compared to previous models, including camera system enhancements, O4 video transmission, ActiveTrack 5.0, and battery features. Learn about its European certification and transmission distance factors.



Explore the capabilities of the DJI Mini 2 drone with this detailed user manual. Learn about flight controls, modes, the DJI Fly app, safety protocols, and technical specifications for optimal aerial photography and videography.



Get started quickly with the DJI MT2SD drone. This guide covers aircraft and remote controller setup, flight operations, specifications, and compliance information for the DJI Mini 2 SE.