

Mavic Series Repair Manual

Purpose

- This document aims to show users how to repair the DJI product and list common issues and their solutions. For complex exceptions or error messages, it is recommended to contact DJI Support for assistance.
- To find the related product features and usage information, please visit DJI's official website at <http://www.dji.com/>.

Notices

- Keep the product and other modules away from children.
- Do not let the product come into contact with liquid or water.
- Do not power on the product immediately after it has fallen into the water.
- Do not store the product in a humid area.

Battery Safety Notices

- Do not let a battery come into contact with liquid or leave it in the water.
- Do not use swollen, leaking, or damaged batteries.
- Do not install or remove a battery when it is turned on.
- Use a battery at temperatures from -10°C to 40°C .
- Do not use batteries in strong electrostatic or electromagnetic environments.
- Do not disassemble or pierce batteries in any way.
- Do not place wires or metal objects on a battery. Otherwise, the battery may short-circuit.
- Do not drop or strike a battery or place heavy objects on the battery.
- Electrolytes in batteries are highly corrosive. In the event of a leakage, please stay away from the battery.
- Keep batteries out of the reach of children.
- Do not leave batteries near heat sources.
- Keep batteries dry.
- During transportation or storage, keep batteries away from the metal objects, such as glasses, watches, or necklaces.
- Do not transport a damaged battery.
- Do not store batteries in environments with temperatures higher than 45°C or lower than 0°C .
- Do not place batteries in regular trash containers.

Applicable Models

No.	Model
1	Phantom 4 Pro V2.0
2	Mavic 3
3	Mavic 3 Cine
4	Mavic 3 Classic
5	Mavic 3 Pro
6	Mavic 3 Pro Cine
7	DJI Air 2S
8	Mavic Air 2
9	DJI Mini 3 Pro
10	DJI Mini 3
11	DJI Mini 2
12	DJI Mini 2 SE
13	DJI Mini SE
14	DJI RC
15	DJI RC Pro

Aircraft

Common Issue	Inspection Method	Repair Method
Aircraft arm broken or skewed	Perform a visual inspection and check if the aircraft arm is cracked and cannot be used normally.	Replace the aircraft.
Upper cover cracked or misshapen	Perform a visual inspection and check if the upper cover is obviously cracked or misshapen, or if there are any other cosmetic damages.	Replace the aircraft.
Gimbal axis arm broken	Perform a visual inspection and check if the gimbal axis arm is obviously cracked or misshapen, or if there are any other cosmetic damages.	Replace the aircraft.
Abnormal camera image	Enter the camera view in the app and check if the image is displayed abnormally, such as blurry images, stripes, and noises.	Replace the aircraft.
Gimbal stabilization error	Enter the camera view in the app and check if the image is skewed or shaking.	Replace the aircraft.
Propulsion system error	Turn on the motors and check if the motors are spinning correctly.	Replace the aircraft.

Camera sensor error	Check if the app prompts a “Camera Sensor Error” warning.	Replace the aircraft.
App prompts GPS disconnected warning	Check if the app prompts a “GPS disconnected” warning.	Replace the aircraft.

Remote Controller

Common Issue	Inspection Method	Repair Method
Upper shell cracked or misshapen	Perform a visual inspection and check if the upper shell is obviously cracked or misshapen, or if there are any other cosmetic damages.	Replace the remote controller.
Lower shell cracked or misshapen	Perform a visual inspection and check if the lower shell is obviously cracked or misshapen, or if there are any other cosmetic damages.	Replace the remote controller.
Control sticks not re-center	Check if the drone response corresponds to the control stick input.	Use the app to calibrate the remote controller. If the issue persists, replace the remote controller.
Power-on failure	Check if the remote controller can be powered on after charging.	Replace the remote controller.
Remote controller GPS error	Check if the app prompts a “Remote Controller GPS Error” warning.	Replace the remote controller.
Abnormal screen display	Perform visual inspection and check if the screen is black out or freezes, and if the screen is not displayed completely.	Replace the remote controller (with a built-in screen).

Battery and Charger

Common Issue	Inspection Method	Repair Method
Battery/charger outer shell cracked or misshapen	Perform a visual inspection and check if there are any other cosmetic damages such as cracked and misshapen that may affect the normal use.	Replace the corresponding defective module.
Battery charging error	Use a functioning normally battery charging hub to charge the battery and see if it can be charged.	Replace the corresponding defective module.
Discharging error	Install the battery on the drone and check if the drone can be powered on.	Replace the corresponding defective module.

Cable

Common Issue	Inspection Method	Repair Method
Cable damaged	Perform a visual inspection and check if the cable is damaged.	Replace the cable.
Unable to connect the mobile phone	Replace the cable and check if the connection is normal.	Replace the cable.

Other Accessories

Perform a visual inspection and check if accessories are cracked or structurally damaged. Then replace the corresponding accessories.