RotorLogic RC231

DJI RC-N1 Remote Controller User Manual

Model: RC231

INTRODUCTION

This user manual provides essential information for the safe and effective operation of your DJI RC-N1 Remote Controller (Model RC231). This controller is designed for use with various DJI drone models, including DJI Mini 2, Mini 2 SE, Mini 3, Mini 3 Pro, Air 2, Air 2S, Mavic 3, Mavic 3 Pro, and Mavic 3 Classic. Please read this manual thoroughly before first use to ensure proper setup and functionality.

PRODUCT OVERVIEW

The DJI RC-N1 Remote Controller is a precision control device for compatible DJI drones.

This image displays the top surface of the DJI RC-N1 Remote Controller. Key features visible include the two control sticks (joysticks) for drone movement, a 'Fn' (Function) button on the left, a camera/video record button on the right, a power button, and a three-position switch for flight modes (Normal, Cine, Sport). Below the flight mode switch, four small LED lights indicate the battery level.

Components:

- **Control Sticks:** Two removable joysticks for precise drone control.
- **Power Button:** Used to power on/off the controller and check battery level.
- **Flight Mode Switch:** Toggles between Normal, Cine, and Sport flight modes.
- **Fn Button:** Customizable function button.
- **Camera/Video Button:** Initiates photo capture or video recording.
- **Battery Level Indicators:** Four LEDs indicating the current battery charge.
- **USB-C Port:** For charging and connecting to mobile devices (located on the bottom/rear, not visible in image).
- **Phone Holder:** Integrated holder for a smartphone (located on the top, not visible in image).

SETUP

1. **Charge the Remote Controller:** Connect the remote controller to a USB charger using a USB-C cable (not included). The battery level indicators will show charging progress. Ensure the controller is fully charged before first use.
2. **Install Control Sticks:** Screw the two control sticks into their respective ports on the remote controller.
3. **Attach Mobile Device:** Pull up the phone holder on the top of the remote controller and securely place your smartphone.
4. **Connect Mobile Device:** Use a suitable RC cable (not included) to connect your mobile device to the remote controller's USB port.
5. **Power On:** Press the power button once, then press and hold it for two seconds to power on the remote controller.
6. **Pairing:** Refer to your drone's specific user manual for instructions on how to pair the RC-N1 remote controller with your drone model. Typically, this involves putting both the drone and controller into pairing mode.
7. **Firmware Update:** After pairing, connect the remote controller to the DJI Fly app on your mobile device. The app will prompt you if a firmware update is available. It is recommended to keep the firmware updated for optimal performance and compatibility.

OPERATING THE REMOTE CONTROLLER

Flight Modes:

- **Normal Mode:** Standard flight mode, balancing speed and stability. Suitable for most flight scenarios.
- **Cine Mode:** Reduces flight speed and control sensitivity for smoother, more cinematic footage.
- **Sport Mode:** Increases flight speed and responsiveness. Use with caution and in open areas.

Basic Controls:

- **Left Stick:** Controls altitude (throttle) and yaw (rotation).
- **Right Stick:** Controls forward/backward (pitch) and left/right (roll) movement.
- **Photo/Video Button:** Press once to take a photo; press and hold to start/stop video recording.
- **Fn Button:** Customizable via the DJI Fly app. Default functions may include switching gimbal modes or recentering the gimbal.

Always ensure a clear line of sight to your drone and operate within legal and safe parameters. Familiarize yourself with the DJI Fly app interface for advanced settings and real-time flight information.

MAINTENANCE

- **Cleaning:** Wipe the remote controller with a soft, dry cloth. Do not use liquid cleaners or solvents.
- **Storage:** Store the remote controller in a cool, dry place, away from direct sunlight and extreme temperatures. Remove the control sticks before storage to prevent damage.
- **Battery Care:** For long-term storage, ensure the battery is charged to approximately 50-60%. Recharge the battery every three months to prevent over-discharge.
- **Avoid Impact:** Protect the remote controller from drops and impacts, which can damage internal components.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Controller does not power on.	Low battery; incorrect power-on procedure.	Charge the controller fully. Press power button once, then press and hold for two seconds.
Unable to pair with drone.	Drone or controller not in pairing mode; interference.	Ensure both devices are in pairing mode. Move to an area with less interference. Refer to drone manual for specific pairing steps.
No control response from drone.	Not paired; out of range; firmware outdated.	Verify pairing. Ensure drone is within operational range. Update controller and drone firmware via DJI Fly app.
Mobile device not recognized.	Faulty cable; app not open; port issue.	Try a different RC cable. Ensure DJI Fly app is open and running. Check for debris in the USB port.

SPECIFICATIONS

Feature	Detail
Model Number	RC231
Product Dimensions	6 x 4 x 3 inches
Item Weight	8 ounces
Compatible Devices	DJI Mini 2, 2 SE, Mini 3, Mini 3 Pro, Air 2, Air 2S, Mavic 3, Mavic 3 Pro, Mavic 3 Classic
Connectivity Technology	Infrared (for some functions, primary connection is radio frequency)
Max Number of Supported Devices	1 (one drone at a time)
Manufacturer	RotorLogic
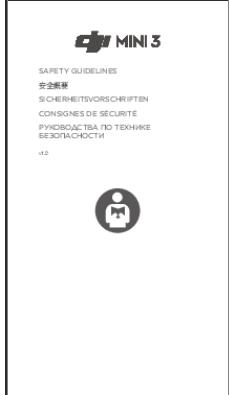
WARRANTY AND SUPPORT

This product is supplied by RotorLogic. For warranty information and technical support, please refer to the documentation provided with your purchase or contact RotorLogic directly through their official channels. Keep your proof of purchase for warranty claims.

For additional support and resources, visit the official DJI website for the latest firmware, FAQs, and community forums related to the RC-N1 remote controller and compatible drones.

Related Documents - RC231

DJI MAVIC 3 SAFETY GUIDELINES 安全指引 SICHERHEITSVORSCHRIFTEN CONSIGNES DE SÉCURITÉ РУКОВОДСТВО ПО ТЕХНИКЕ БЕЗОПАСНОСТИ	[DJI Mavic 3 Safety Guidelines: Essential Precautions and Specifications](#) Comprehensive safety guidelines and essential operating precautions for the DJI Mavic 3 drone, covering flight environment, operation, battery safety, and technical specifications. Essential reading for all users.
MAVIC AIR 2 IN THE BOX & DISCLAIMER AND SAFETY GUIDELINES 物品清单 & 免责声明和安全指引 物品清单 & 免責聲明和安全指引 同梱物 & 免責事項と安全に関するガイドライン 구성품 & 고지 사항 및 안전 가이드 dji	[DJI Mavic Air 2: Safety Guidelines and Specifications](#) Comprehensive safety guidelines, disclaimers, and technical specifications for the DJI Mavic Air 2 drone. Learn about safe operation, regulations, and product details.
MAVIC AIR 2 IN THE BOX & DISCLAIMER AND SAFETY GUIDELINES LIEFERUMFANG & HAFTUNGSAUSSCHLUSS UND SICHERHEITSVORSCHRIFTEN CONTENIDO DEL EMBALAJE & RENUNCIA DE RESPONSABILIDAD Y DIRECTRICES DE SEGURIDAD CONTENU DE L'EMBALLAGE & CLAUSE D'EXCLUSION DE RESPONSABILITÉ ET CONSIGNES DE SÉCURITÉ CONTENUTO DELLA CONFEZIONE & LIMITAZIONI DI RESPONSABILITÀ E DIRETTIVE SULLA SICUREZZA INDE DOOS & DISCLAIMER EN VEILIGHEIDSRICHTLIJNEN INCLUÍDO NA EMBALAGEM & DECLARAÇÃO DE EXONERAÇÃO DE RESPONSABILIDADE E DIRETRIZES DE SEGURANÇA INCLUÍDO NA EMBALAGEM & DECLARAÇÃO DE EXONERAÇÃO DE RESPONSABILIDADE E DIRETRIZES DE SEGURANÇA КОМПЛЕКТ ПОСТАВКИ & ЗАЯВЛЕНИЕ ОБ ОТКАЗЕ ОТ ОТВЕТСТВЕННОСТИ И РУКОВОДСТВО ПО ТЕХНИКЕ БЕЗОПАСНОСТИ dji	[DJI Mavic Air 2 User Manual and Safety Guidelines](#) Comprehensive guide for the DJI Mavic Air 2 drone, covering unboxing, safety regulations, flight conditions, specifications, and important disclaimers for safe operation. Learn about environmental considerations, pre-flight checks, and operational procedures.
DJI MAVIC 3 CLASSIC SAFETY GUIDELINES 安全指引 SICHERHEITSVORSCHRIFTEN CONSIGNES DE SÉCURITÉ РУКОВОДСТВО ПО ТЕХНИКЕ БЕЗОПАСНОСТИ	[DJI Mavic 3 Classic Safety Guidelines and Specifications](#) Comprehensive safety guidelines, operating instructions, and technical specifications for the DJI Mavic 3 Classic drone, covering flight environment, operation, battery safety, and more.

	[DJI Mavic 3 Classic Quick Start Guide](#) A concise guide to setting up, operating, and safely flying the DJI Mavic 3 Classic drone, including essential specifications and compliance information.
	[DJI Mini 3 Safety Guidelines and Specifications](#) Comprehensive safety guidelines, operating instructions, and technical specifications for the DJI Mini 3 drone, including remote controller and intelligent flight battery. This document provides essential information for safe and proper use.