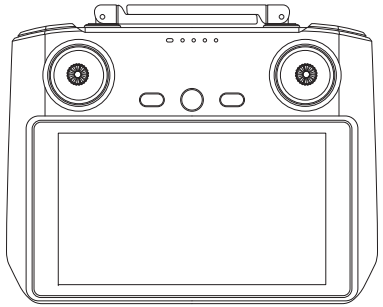
# RC243A

## User Manual
## Gebrauchsanweisung

V1.0

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# Reading Guidance

## Icon

“⚠️” essential precautions. “💡” tips for operation and usage.

## Access Tutorial Videos

To ensure you're using the product safely and correctly, scan the QR code below to view our tutorial videos.

English 01–24

Deutsch 25–50

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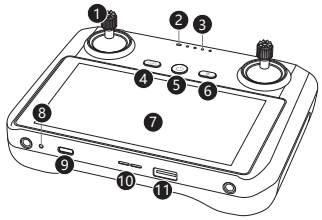
## 1.1 Overview >>




**1** Control Sticks
Use the control sticks to control the movement of the drone. The control sticks are removable and easy to store.

**2** Status LED
Solid Red for disconnecting the drone;
Solid Green for connecting the drone.

**3** Battery Level LEDs
Displays the current battery level of the transmitter.

**4** Speed Switch/Cruise Control
Short press to switch the flight speed;
Long press to enter the cruise control.

**5** Power Switch
Press once to check the current battery level;
Press, and then press and hold to turn on/off the transmitter.

**6** Return to Home/GPS Mode Switch
Short press it to GPS Return to Home(RTH);
Press for 3 seconds to enter the Altitude Mode.

**7** Touchscreen

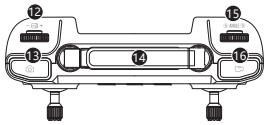
**8** Microphone

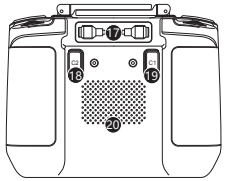
**9** Charging port (USB-C)

**10** Speaker
Outputs sound.

**11** TF card slot

## 1.1 Overview >>




12 Zoom Dial

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14 Antennas

15 Camera Adjustment Dial
Adjusting the angle of camera up and down.

16 Record Video

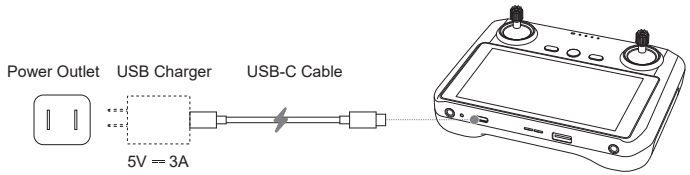
17 Storage Slots for Joysticks

18 Customizable C1 Button
Once the transmitter is connected to the drone, the user can view and set the function of the button in the app settings.

19 Customizable C2 Button
Once the transmitter is connected to the drone, the user can view and set the function of the button in the app settings.

20 Air Vent
Used for heat dissipation. Do not block the air vent during usage.

## 1.2 Charging >>

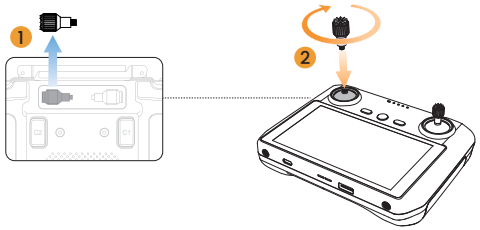



1. Connect the charger to the USB-C port on the transmitter.
2. When charging, LED lights on the transmitter are flicking.
3. When fully charged, 4 LED lights on the transmitter are solid on, it can be used while charging.

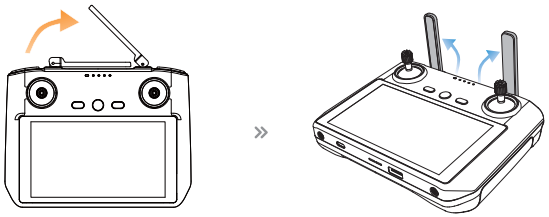
⚠ Please use the original charging cable to charge the battery.

## 1.3 Mounting >>

1. Take the joysticks out of the storage slot and mount them onto the transmitter.




2. Unfold the antennas.



## 2.1 Pre-Flight Preparations >>

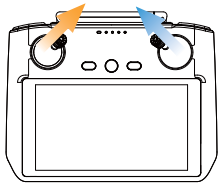
### 1. Pairing: Follow the steps below to pair the transmitter and the drone.

1. Power on the drone and the transmitter.
2. During pairing, the status LED of the transmitter is solid red.
3. The transmitter will beep, and its status LED will turn solid green to indicate pairing is successful.

· Make sure the transmitter is within 0.5 m of the drone during the pairing.
· The transmitter will automatically unlink from an drone if a new transmitter is linked to the same drone.

## 2.1 Pre-Flight Preparations >>

### 2. Compass Calibration



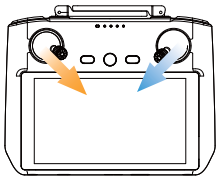
Push both joysticks **towards the inner, upper corners** simultaneously to start the compass calibration.

· DO NOT calibrate the compass in locations where magnetic interference may occur, such as close to magnetite deposits or large metallic structures such as parking structures, steel reinforced basements, bridges, cars, or scaffolding.
· DO NOT carry objects (such as mobile phones) that contain ferromagnetic materials near the drone during calibration.

## 2.1 Pre-Flight Preparations >>

### 3. Unlocking the Motors

*** Starting the motors should be set before the drone take off.**



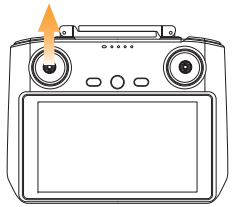
Push both of the joysticks simultaneously toward the inner, lower corners. The motors start to spin, the drone is unlocked.

Locking the Motors:
1. Push both of the joysticks simultaneously toward the inner, lower corners, the motors stop is locked.
2. Pull down the throttle stick (Left joystick) for 2 seconds to cancel the motor unlocking.

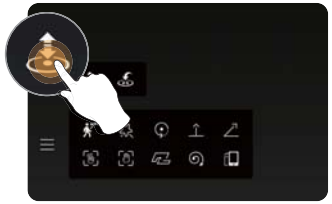
## 2.1 Pre-Flight Preparations >>

### 4. Takeoff/Landing

**Method 1:**



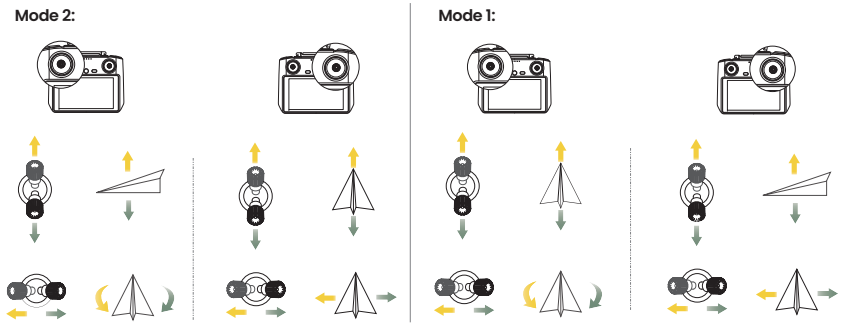
**Method 2:**



Method 1: Pull up the throttle stick (Left joystick) to take off.
Method 2: Enter the app, press the button to take off or landing.

## 2.2 Controlling the Drone >>

Hold the ( ) button, short press the ( ) button of the transmitter once, then hold the latter until the transmitter quickly beeps 2 times.

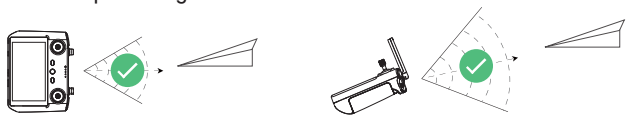



The default control mode of the transmitter is Mode 2. In this manual, Mode 2 is used as an example to illustrate how to use the control sticks.

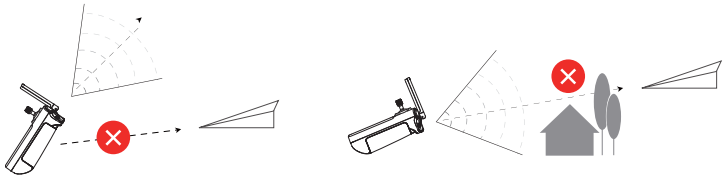
## 2.2 Controlling the Drone >>

When operating the drone, it's important to periodically adjust the orientation and distance between the transmitter and the drone to ensure that the drone always remains within the optimal communication range.

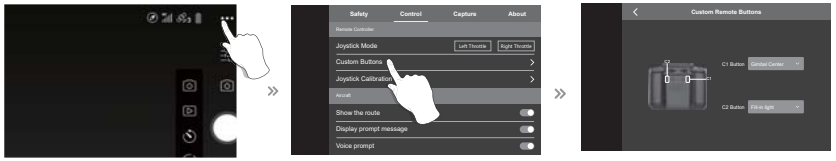
**Optimal Reception Range:**



**Weaker Signal:**

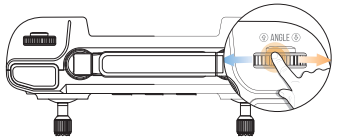


## 2.3 Customizable Buttons >>



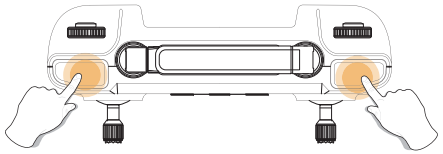

Buttons Customization (C1 Button and C2 Button): Settings>Control>Custom Buttons. Users can view and set the functions for the button from the listing of C1 Button and C2 Button.

## 2.4 Controlling the Camera >>




Adjust the camera angle by scrolling the camera adjustment dial (ANGLE).

## 2.5 Emergency Stop >>



Hold the Camera Button and Video Button for 3 seconds to use Emergency Stop. This function only works when the drone's altitude is lower than 16ft.

**The Emergency Stop function should only be used in case of emergency during the flight to avoid any damage or injury.**

## 2.5 Transmitter LEDs >>

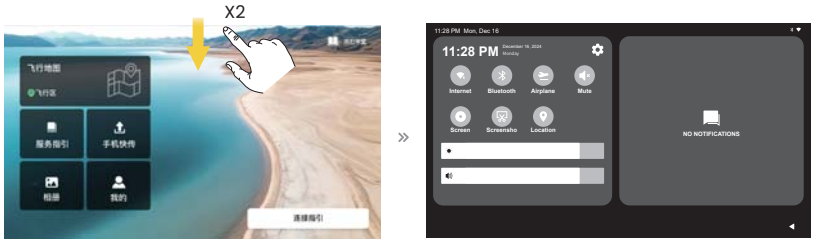
Status LED and Battery Level LEDs Description

| Status LED | Description |
|---|---|
| Solid red | Transmitter signal lost/unpairing |
| Solid green | Paired |

Battery Levels LEDs

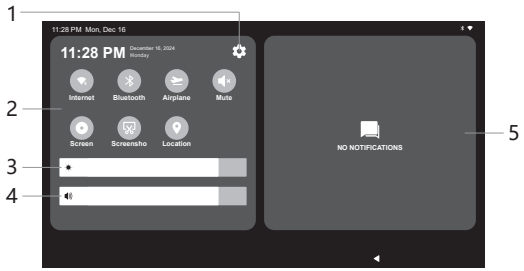
| LED1 | LED2 | LED3 | LED4 | Battery Level |
|---|---|---|---|---|
| ● | ● | ● | ● | 76%-100% |
| ● | ● | ● | ○ | 51%-75% |
| ● | ● | ○ | ○ | 26%-50% |
| ○ | ○ | ○ | ○ | 0%-25% |

## 3.1 Operations >>




Slide down twice continuously fromthe top of the screen to enter the Quick Settings.

## 3.2 Quick Settings >>




**1. System Setting**

Tap to access system settings and configure settings such as network, Bluetooth.

**2. Shortcuts**

Tap to enable or disable Wi-Fi. Hold to enter settings and then connect to or add a Wi-Ffinetwork.

Tap to enable or disable Bluetooth. Hold to enter settings and connect with nearby-Bluetooth devices.

## 3.2 Quick Settings >>

Tap to enable Airplane mode. Wi-Fi and Bluetooth will be disabled.
Tap to enable mute mode or disable the speaker.
Tap to start recording the screen.
Tap to take a screenshot.
Positioning information.

**3. Adjusting Brightness**

Slide the bar to adjust the screen brightness.

**4. Adjusting Volume**

Slide the bar to adjust the volume.

**5. Notifications**

Tap to check system notifications.

## 4.1 Specifications >>

- TRANSMITTER:

| | |
|---|---|
| Model: RC243A | Weight: 425g/ 14.99oz |
| Operating Time: 210 minutes | |
| Bluetooth:Operation Frequency:2402MHz~2480MHz | |
| WIFI 2.4G:Operation Frequency: 2412MHz~2462MHz(802.11b/802.11g/802.11n(H20)/802.11ax(HE20)) | |
| SRD @ 5.8G band:Operation Frequency: 5745MHz~5805MHz | |
| Operating Temperature Range: 32° to 104°F (0° to 40°C) | |
| Size: 168*135*49 mm (without control sticks) 168*135*66 mm (with control sticks) | |
| Internal Storage Capacity: 32 GB + expandable storage (via microSD card) Supported | |
| TF Cards: Supports a TF Card (Class 10 or above) with capacity of up to 256 GB | |

## 4.1 Specifications >>

- TRANSMITTER BATTERY :

| | |
|---|---|
| Model： DS 854085-2S | Capacity: 2500mAh |
| Voltage: 7.4V | Energy: 18.5Wh |
| Max Charging Voltage: 8.6V | |
| Battery Type: Lithium-ion Polymer Battery | |
| Charging Temperature Range: 41° to 104°F (5° to 40°C) | |

- USB CHARGING CABLE :

| | |
|---|---|
| Input: 5V/3A | Rated Power: ≤15W |

## 4.2 Contact Us >>

Please do not hesitate to contact us if you need further support.

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www.holystone.com

## 4.3 Disclaimer & Warning >>

Carefully read this entire document and all safe and lawful practices provided by our company before using this product for the first time. Failure to read and follow instructions and warnings may result in serious injury to yourself or others, damage to your product, or damage to other objects in the vicinity. By using this product, you hereby signify that you have read this document carefully and that you understand and agree to abide by all terms and conditions of this document and all relevant documents of this product. You agree that you are solely responsible for your own conduct while using this product and for any consequences thereof. Our companyaccepts no liability for damage, injury, or any legal responsibility incurred directly or indirectly from the use of this product.

Users are obligated to operate this product in strict accordance with legal stipulations, local regulations, and any guidelines set forth by the company. Our company will not assume responsibility for any infractions or resultant consequences.

Our company reserves the exclusive right to interpret this document and any related materials. Updates may be made without prior notice.

Any unauthorized modifications or additions to the product are strictly prohibited. For inquiries or issues related to its operation or maintenance, please consult our dedicated support team.

It's imperative to keep the product out of reach of children. Extra caution is advised when operating in areas where children are present.

Only the provided accessories or those certified by our company should be used. Our company will not be held accountable for incidents resulting from the use of unauthorized components.

## 4.4 Compliance Information >>

**FCC Notice**:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and
(2)This device must accept any interference received, including interference that may cause undesired operation.

The Supplier's Declaration of Conformity is available at the following address:
https://www.holystone.com/Download/US/RC243A_FCC_sDoC.pdf
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## 4.4 Compliance Information >>

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction. L'appareil a été évalué pour répondre aux exigences générales en matière d'exposition aux RF. L'appareil peut être utilisé en condition d'exposition portable sans restriction.

IC Statement:
This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:
(1) L' appareil ne doit pas produire de brouillage;
(2) L' appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d' en compromettre le fonctionnement.

## 4.4 Compliance Information >>

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## 4.4 Compliance Information >>

**MANUFACTURER INFORMATION:**
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MADE IN CHINA(CN)