HOLY STONE

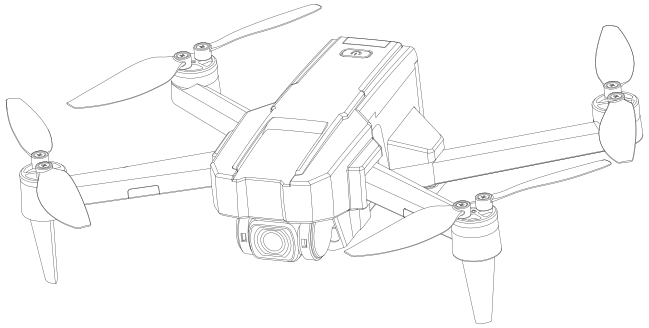
Dare to fly.Soar to live.

HOLY STONE

HS440G RC quadcopter

User Manual
Gebrauchsanweisung

V 2.1



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Reading Guidance

Icon

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

Recommended Steps

Our product offers both tutorial videos and the following resources:

- Disclaimer and Safety Guidelines
- Quick Start Guide
- User Manual

For a smooth start, we suggest watching the tutorial videos and reviewing the "Disclaimer and Safety Guidelines" first. Then, familiarize yourself with the basics through the "Quick Start Guide". For a comprehensive understanding, delve into the "User Manual".

Access Tutorial Videos

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

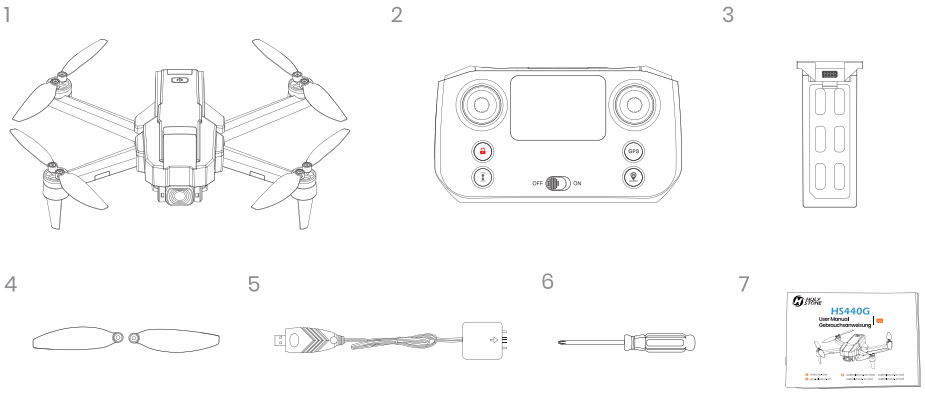
Download the HS GPS V4 App

Simply scan the QR code below.

iOS

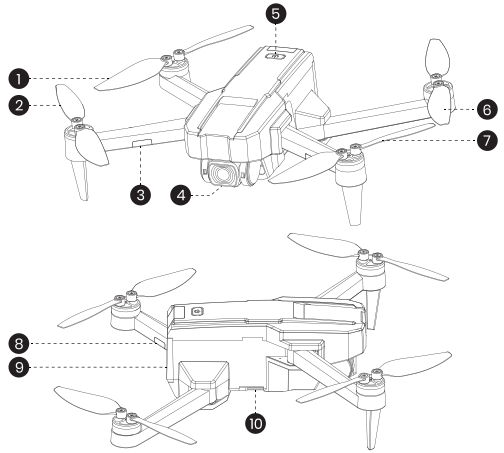
Android APP on Google play

1.1 Package Contents >>



1 Drone
2 Transmitter
3 Drone Battery
4 Propellers
5 USB Charging Cable
6 Screwdriver
7 User Manual

1.2 Diagram of the Drone >>



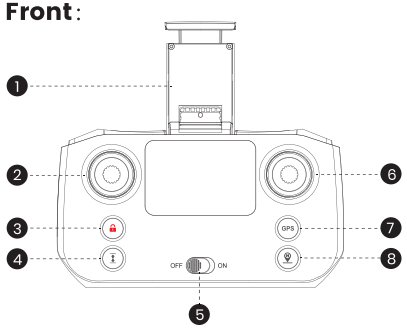
1 Propeller A
2 Propeller B
3 Front Arm Lights
4 Camera
5 Power Switch
6 Propeller B
7 Propeller A
8 Rear Arm Lights
9 Drone Battery
10 TF Card Slot

Turning on/off: Long press the power switch (⏻)on the drone to turn it on/off.

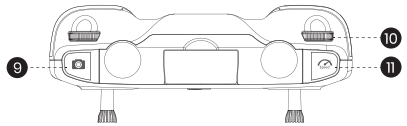
1.3 Diagram of the Transmitter >>

The Transmitter

- **Front**:



- **Top**:

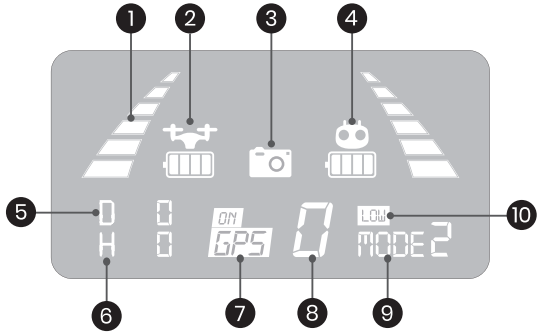


1. Phone Holder
2. Left Joystick
3. Unlocking/locking the Motors: short press
   Emergency Stop: long press
4. Takeoff/Landing: short press
5. Power Switch
6. Right Joystick
7. GPS Switch: long press
8. Return to Home: short press
9. Take Photo: short press
   Record Video: long press
10. Camera Angle Adjustment
11. Speed Switch:short press

Turning on: Slide the power switch to the right to power on the transmitter.

1.3 Diagram of the Transmitter >>

LCD Screen

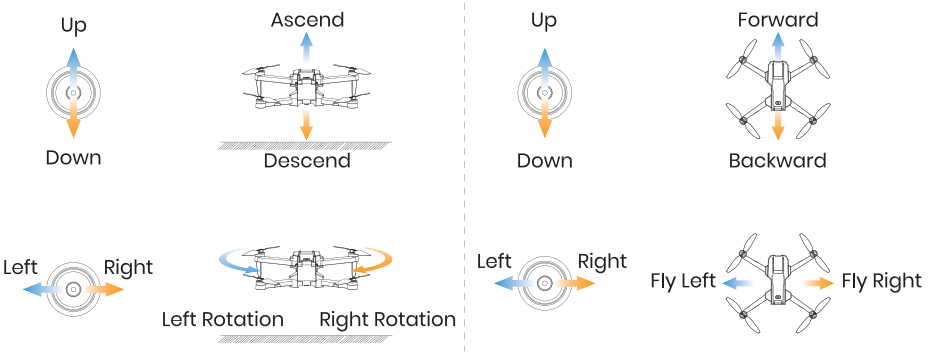


1. Transmitter Signal Strength
2. Drone Battery Level
3. Camera Status
4. Transmitter Battery Level
5. Distance from Home Point
6. Altitude from Home Point
7. GPS Mode
8. Satellite Count
9. Transmitter Throttle Mode
10. Speed Mode（High/Low）

1.3 Diagram of the Transmitter >>

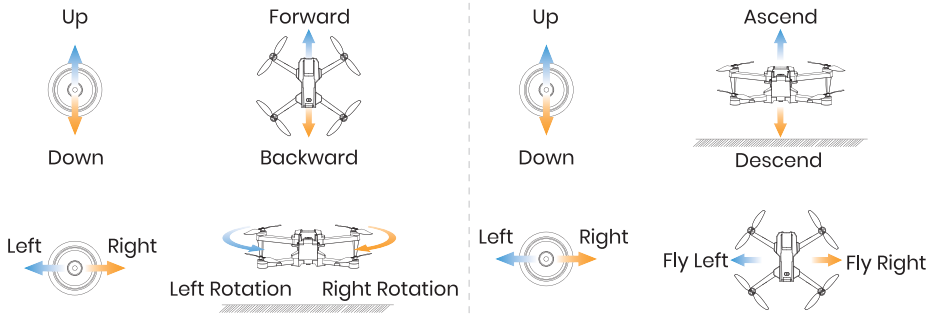
Joystick Mode

- **MODE 2 :**



Left Joystick　　Right Joystick

- **MODE 1**

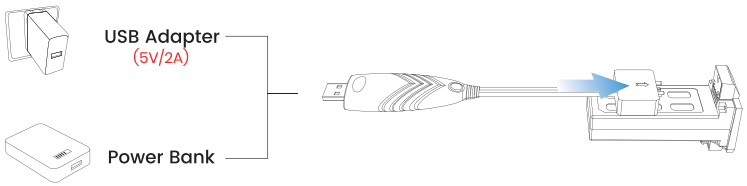


Left Joystick　　Right Joystick

Joystick Mode Switching: To switch between "MODE 1" and "MODE 2" by pressing and holding the button while turning on the transmitter. The LCD screen will display the current joystick modes. The last toggled joystick mode will be the default mode upon restarting.

2.1 Battery Preparation >>

Drone Battery

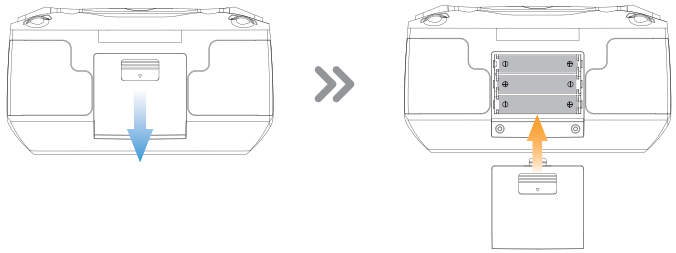


1. Remove the battery from the drone and connect it to a USB charging cable.
2. Plug the USB charging cable into a USB charging port on a power bank or a USB adapter (5V/2A).
3. When charging, the red light on the USB charging cable is solid, and the green light keeps flashing; when fully charged, both lights are solid.
4. Charging time: About 180 minutes.

· Before charging, please read the instructions in the "Battery Safety" section of the "Disclaimer and Safety Guidelines" carefully!
· DO NOT charge a battery immediately after a flight as the temperature may be too high. Please wait until it cools down to room temperature before charging again.
· Please use the original charging cable to charge the battery.

2.1 Battery Preparation >>

Changing Transmitter Batteries



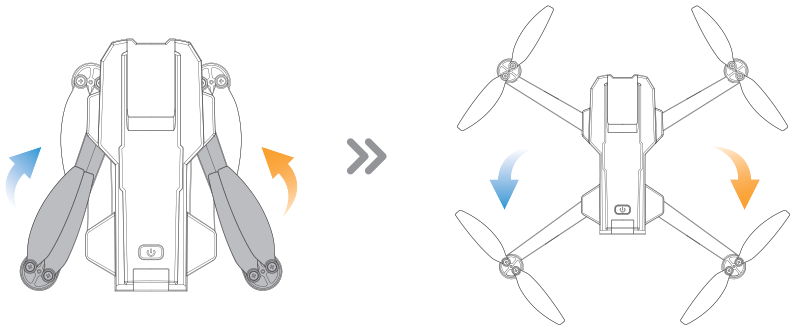
Open the battery cover on the back of the transmitter. Put in three AAA batteries (not included). Then, close the cover.

***Low Battery Signal:** The transmitter battery level icon on the LCD screen will keep flashing.

· Install batteries carefully.
· Do not mix old and new batteries.
· Do not mix different types of batteries.

2.2 Pre-Flight Preparations >>

Arms

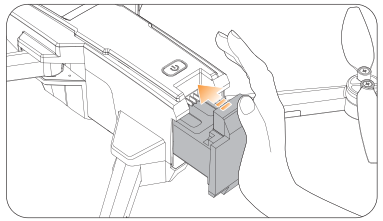


All arms of the drone are folded when it is packaged at the factory. First, unfold the front arms, then unfold the rear arms.

2.2 Pre-Flight Preparations >>

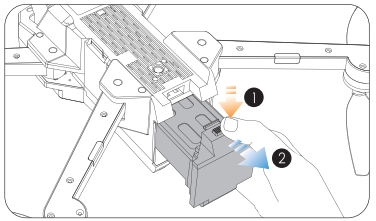
Drone Battery

- **Installation:**



Insert the battery into the compartment located at the rear of the drone. Make sure that you hear a click sound, which indicates that the battery is firmly installed.

- **Removal:**



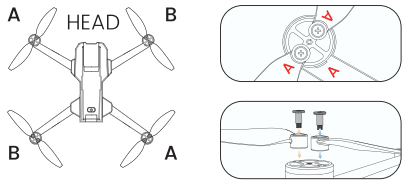
Press the battery locks on the battery and carefully pull to extract the battery.

⚠ The battery should be installed firmly. Otherwise, the flight safety of your drone may be affected. The drone may crash due to a power-cut during the flight.

2.2 Pre-Flight Preparations >>

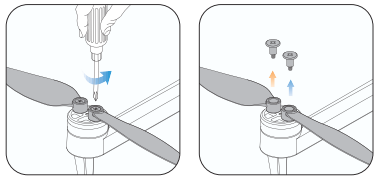
Propellers

- **Installation:**



The drone will not fly unless the correct propeller is installed on the correct motor shaft. Each propeller is labeled with either an "**A**" or "**B**". Secure the propeller onto the motor shaft using screws, turning each screw clockwise.

- **Removal:**



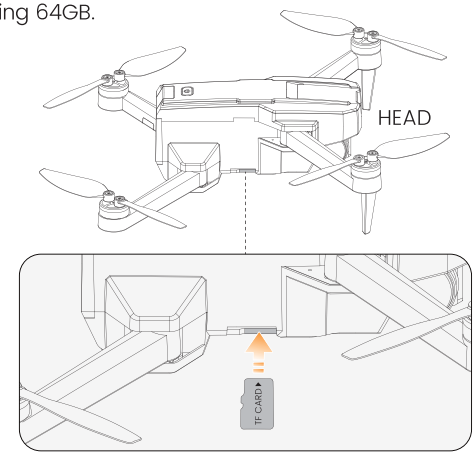
For propeller removal, use a screwdriver (provided) to rotate the screws counter-clockwise and remove the propellers. Be sure to hold the motor while detaching the propeller.

⚠ · Please check that the propellers are properly installed and tightened before each flight.
· Exercise caution when attaching/detaching the propellers to prevent any cuts or injuries.
· The propellers are installed before the drone is packaged at the factory.

2.2 Pre-Flight Preparations >>

TF Card

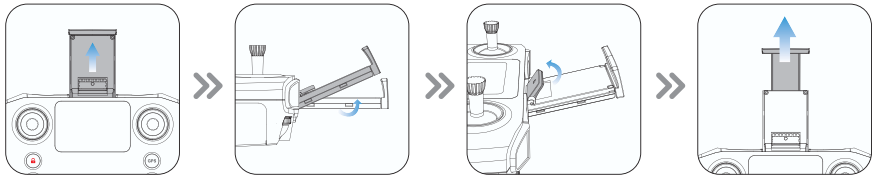
To store your photos and videos, insert a TF card **(not included)** into the slot before turning on the drone. This drone supports TF cards**(Class 10 or above)** with capacities up to and including 64GB.



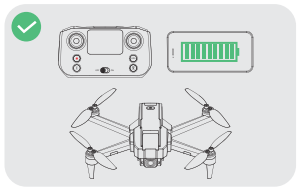
2.2 Pre-Flight Preparations >>

Phone Holder

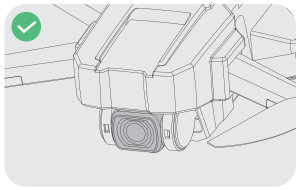
Pull the phone holders out completely and place your mobile phone in them. Adjust the clamp to secure your mobile phone. You can adjust the tilt of the phone holder as needed.



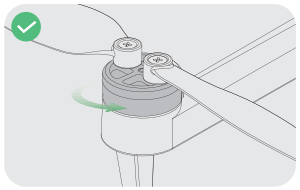
2.3 Pre-Flight Checklist >>



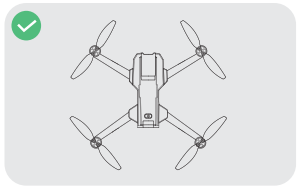
Make sure the transmitter, the mobile phone and the drone battery are fully charged.



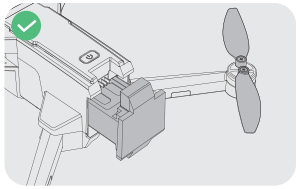
Make sure that the camera is clean.



Make sure that there is nothing obstructing the motors.



Make sure the drone arms are unfolded.



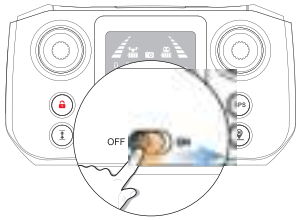
Make sure the drone battery and the propellers are mounted securely.

Make sure you use accessories provided by this company.

2.4 Flight >>

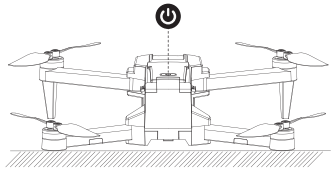
Pairing

· All of the operations shown in this manual are demonstrated using **MODE 2.**
· Ensure that you are in an open, outdoor area before operating the drone.



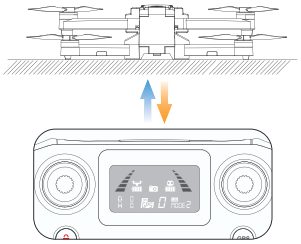
1 Turn on the transmitte

Slide the to the right to power on the transmitter. The transmitter will beep twice.



2 Turn on the drone

Place the drone on a flat, level surface with its head facing forward and the tail facing the operator. Long press the button to turn on the drone.



3 Auto-pairing

Successful pairing is confirmed when the transmitter emits a prolonged beep, and the transmitter signal strength icon( ) on the LCD screen is at full bars.

2.4 Flight >>

Connect to Wi-Fi

Make sure the pairing has finished before going to the Wi-Fi settings on your phone.

1. Go to the **Wi-Fi** settings on your phone.
2. Connect to the drone's Wi-Fi network: **HolyStoneGPS-******.**
3. Run the **HS GPS V4** app. A successful connection is confirmed when the drone's live video feed is displayed within the app interface.

· Connecting your phone to the drone's Wi-Fi may take some time. Please remain patient and wait for the connection to be established successfully.

· For optimal connectivity, if you're experiencing issues with the WIFI connection or the image transmission in the APP isn't displaying, it's advised to disable your phone's Bluetooth, Mobile Data, and VPN. Alternatively, switch your phone to airplane mode and attempt to reconnect.

· Please ensure that all permissions requested by the app are granted.

The Wi-Fi network created by the drone does not have internet access. As a result, your cellphone might:

- Notify you that the connection isn't secure,
- Indicate there's no internet connection, or
- Suggest switching to cellular data.

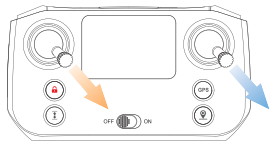
(The exact wording may vary based on cellphone models.)

Please disregard these messages. If prompted, select the option to remain connected to the current Wi-Fi.

2.4 Flight >>

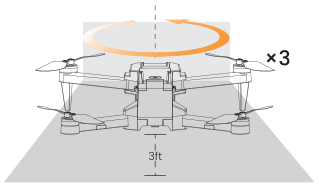
Compass Calibration

* The drone will perform a mandatory compass calibration before the initial flight. So you can skip step 1 if this is the first time you fly your drone. At this moment, the four drone arm lights are alternately flashing in yellow.



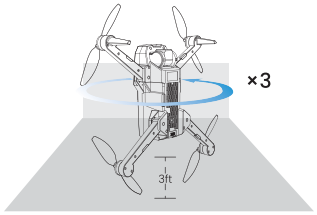
- **STEP 1:**

Push both joysticks down to the bottom right corner at the same time to enter the compass calibration. The transmitter will beep twice and will appear on the LCD screen, indicating that the calibration has started. You can now proceed with Step 2.



- **STEP 2:**

Keep the drone parallel to the floor, and spin the drone three times. Once the transmitter beeps once. You can proceed to step 3.



- **STEP 3:**

Point the head of the drone upward, and spin the drone three times. Once the transmitter long beeps which means that you have successfully performed a compass calibration.

⚠

· To ensure a stable flight, we recommend that pilots perform a compass calibration before each flight.

· We recommend that the pilot hold the drone approximately 3 ft above the ground while performing 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.

2.4 Flight >>

GPS Signal Search

Please don't use the GPS mode when you are indoors.

After calibrating the compass, put the drone on a flat surface. Make sure there are no external sources of signal interference around. The drone will automatically perform a search for GPS signals. The search will last for about 1 minute.

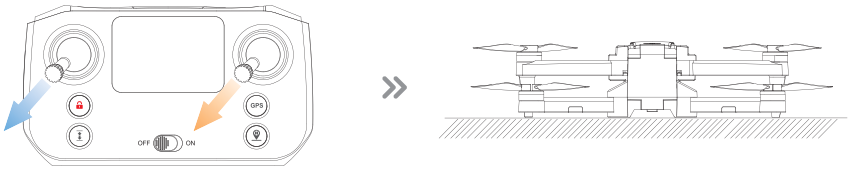
When the front arm lights are solid RED, the rear ones are solid GREEN, and the LCD screen shows a satellite connection count of 7 or more, it indicates a successful GPS signal search.

· When the lights on the front drone arms are solid RED, and the lights on the rear drone arms are solid YELLOW, it indicates that the drone is searching for GPS signals.

· If the GPS signal is weak or if you intend to fly this drone indoors. If you want it to take off, you can hold the GPS switch(**GPS**)button on the transmitter for 2 seconds to exit GPS mode. The LCD screen will show **"GPS OFF"** at this time. However, please note that all GPS-related functions will be unavailable when the drone is in this mode.

2.4 Flight >>

Gyro-Calibration



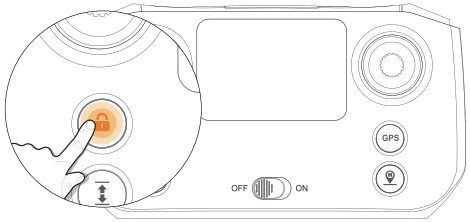
Make sure to place the drone on a level surface before calibrating the gyro. Simultaneously push the left joystick and the right joystick to the bottom left corner to calibrate the gyro. All drone lights will blink, then turn solid, which indicates that the calibration is completed.

We suggest that the pilot perform a gyro-calibration before each takeoff and after any crash.

2.4 Flight >>

Unlock the Motors

Short press the button. The motors rotate, and the drone is unlocked.

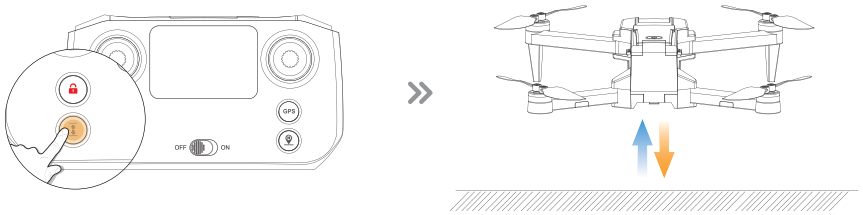


Locking the Motors: Short press the ( ) button again, and the motors stop immediately. The drone is locked.

2.4 Flight >>

Takeoff/Landing

Please unlock the motor before takeoff.



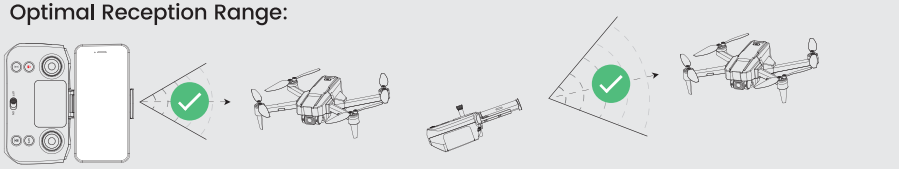
Takeoff Short press the button, the drone will automatically take off and hover at 5 ft.

Landing When the drone is flying, short press the button, the drone will automatically land on the ground.

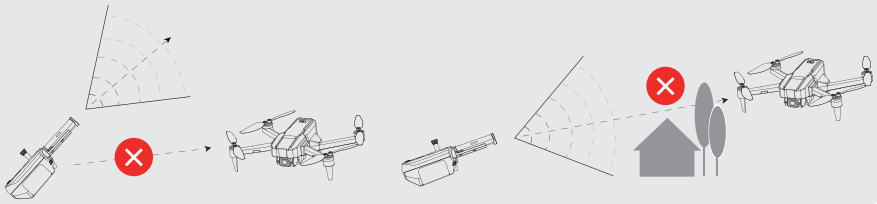
* Transmitter Reception Range

When controlling the drone, promptly adjust the orientation and distance between the transmitter and the drone to ensure that the drone always remains within the optimal reception range.

Optimal Reception Range:



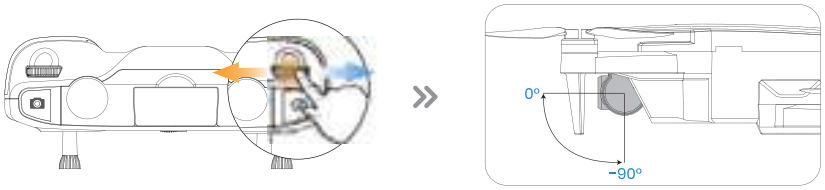
Weaker Signal:



3.1 Flight Functions >>

Camera Angle Adjustment

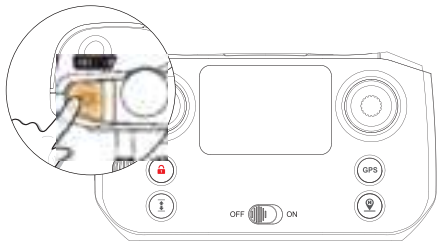
Adjust the camera angle by scrolling the camera adjustment dial. (tilt range: -90°~ 0°)



The lens houses delicate components. Handle with care, avoiding any impacts or forceful adjustments.

3.1 Flight Functions >>

Photo/Video

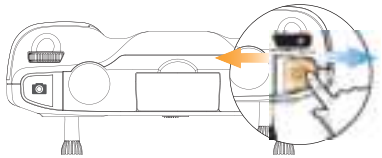


Take photo : Short press the button. The transmitter will beep once, and the icon on the LCD screen will flash once. The camera will take one picture.

Record Video : Press and hold the button. The transmitter will emit a long beep once, and the icon on the LCD screen will start flashing, indicating that the camera has begun recording. To stop the recording, press and hold the button again.

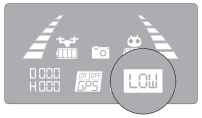
3.1 Flight Functions >>

Speed Switch



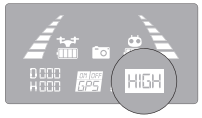
This drone offers two speed modes: Low and High. By default, it's set to Low speed. Short press the Speed once to toggle between different speeds. The Low speed is 20 ft/s. The High speed is 32 ft/s.

- **Low**:



The transmitter beeps once.
The LCD screen displays LOW.

- **High**:

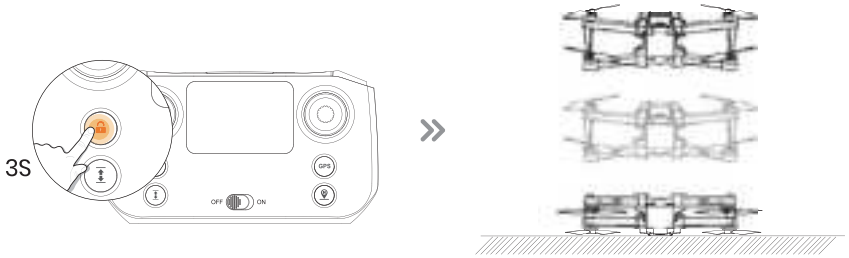


The transmitter beeps twice.
The LCD screen displays HIGH.

3.1 Flight Functions >>

Emergency Stop

This Emergency Stop function should only be used in case of emergency to avoid damages or injuries. Keep in mind that the fall may damage the drone. Press and hold the button to initiate the emergency stop. The transmitter will produce a long beep, and the drone will fall down immediately.



⚠ Be aware that you risk breakage of the drone if it falls from a large distance or hits anything at a high rate of speed.