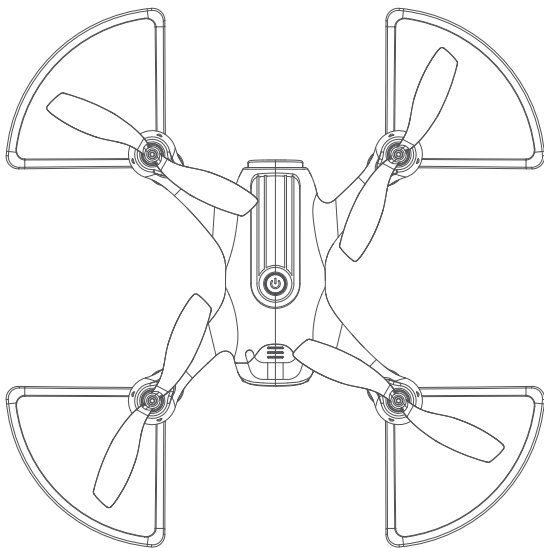


H863HW

FOR AGES
14⁺



— **MINI DRONE** — **USER MANUAL**

* Please read this manual carefully before flying and keep it for future use.

- Catalog -

DISCLAIMER AND SAFETY GUIDELINES	.....01
MAINTENANCE AND CARE	.....03
PRODUCT OVERVIEW	.....04
FLIGHT PREPARATION	.....06
FLIGHT OPERATION GUIDE	.....10
IMPORTANT	.....10
Remote Operation Guide	.....10
Flight Directions	.....13
Flight Trimming	.....15
Altitude Hold/Hover	.....15
Speed Switch	.....15
Headless Mode	.....16
3D Flips & Rolls	.....16
One Key Return	.....17
Rotation Flight	.....17
Surrounding Flight	.....18
Photo/Video	.....18
Emergency Stop	.....19
TROUBLE SHOOTING GUIDE	.....19
FCC CAUTION	.....20

DISCLAIMER AND SAFETY GUIDELINES

1. DO NOT look directly into the drone light.



2. DO NOT treat the product as household waste.



3. DO NOT fly above or near obstacles, crowds, open water, public road, high voltage power lines or trees.



4. DO NOT use the drone in severe weather conditions. These include wind, snow, rain, smog, hail, lightning, tornadoes or hurricanes.



5. Stay away from the rotating propellers and motors to avoid some tiny objects(e.g. hair) to get into them.



6. This product is not a toy and not recommended for users under age 14.



7. Please maintain line-of-sight of your drone at all times after it is powered up. Do not rely on the camera image to control your drone.



8. This drone does not come with a GPS module. Please fly the drone within the control range and always keep an eye on the flying.



9. This product is not intended for professional aerial drone photography.



10. Be sure to observe all local regulations, obtain appropriate authorizations and understand risks. Please note it is solely your responsibility to comply with all flight regulations.



We accept no liability for damage, injury or any legal responsibility incurred directly or indirectly from the use of this product.

The user shall observe safe and lawful practices including, but not limited to, those set forth in these Safety Guidelines.

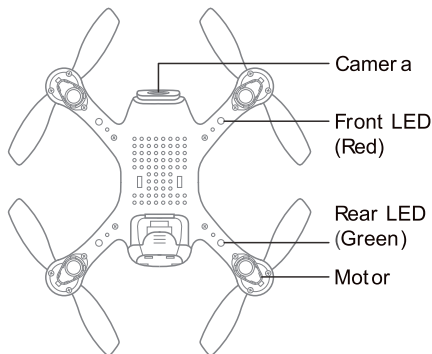
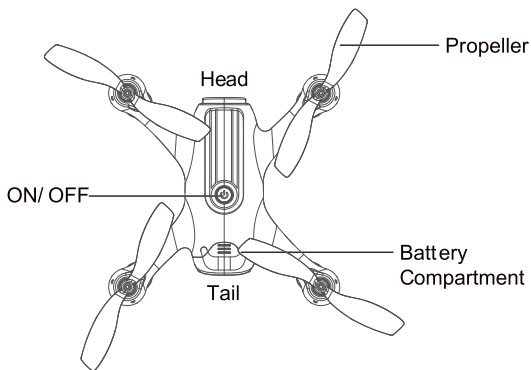
We reserve the right to update this user manual.

MAINTENANCE AND CARE

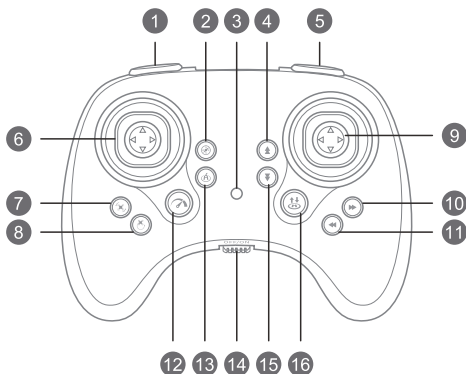
1. Thoroughly check the drone after a crash or violent impact.
2. Do not charge battery if it is hot. Let it cool down first.
3. Remove the batteries from both the drone and the remote if they will not be used for a long time.
4. Unplug the charger once the battery is fully charged.
5. Store the drone and remote in a cool, dry place, keep batteries away from direct sunlight.
6. Avoid direct contact of the camera with water or other liquids. Wipe dry with a soft absorbent cloth if it gets wet.
7. Do not charge the battery next to inflammable materials, such as carpet, wood floors or countertops etc., or on surfaces that are electrically conductive. Do not leave the battery unattended while charging.
8. Please use the original battery provided. Use an incorrect type of battery may lead to fire hazards.
9. Do not dispose of the battery in fire or a hot oven, cut or mechanically crush the battery, as this may cause explosions.
10. Do not leave the battery in an extremely high-temperature environment that can result in an explosion or the leakage of flammable liquid or gas.
11. Do not expose the battery to the extremely low air pressure, as this may result in an explosion or the leakage of flammable liquid or gas.

PRODUCT OVERVIEW

Drone



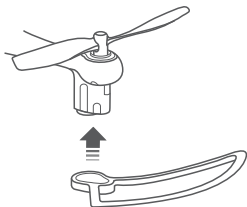
Demote



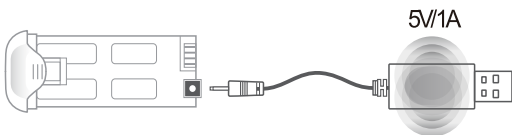
- | | |
|---|---|
| ① 360° Flip | ⑩ Rightward trim |
| ② Headless mode | ⑪ Leftward trim |
| ③ LED indicator | ⑫ Speed switch |
| ④ Forward trim | ⑬ One key return |
| ⑤ Photo (short press)
Video (long press) | ⑭ ON/OFF |
| ⑥ Left control stick | ⑮ Backward trim |
| ⑦ One key rotation | ⑯ One key take-off /
Landing (short press) |
| ⑧ One key surrounding | Emergency stop
(long press) |
| ⑨ Right control stick | |

FLIGHT PREPARATION

1. Install the propeller guards



2. Charge the drone battery



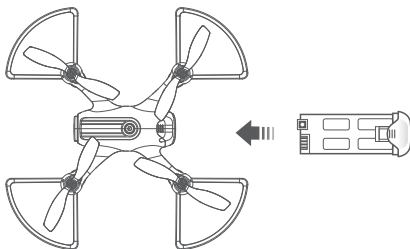
Charging: Red LED

Fully charged: LED OFF

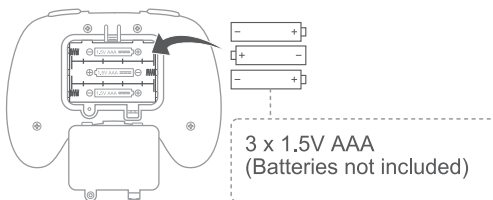
⚠ Notes:

- * Please use the original battery and USB cable provided.
- * Keep the battery away from any sharp objects that could puncture into the battery to avoid risks of explosion and fire.
- * It's not recommended to charge the battery from the USB port of PC.
- * Flight time may be reduced when flying in low-temperature environments.
- * To extend the battery's lifespan, recharge it at least once every three months if not using it for long periods of time.

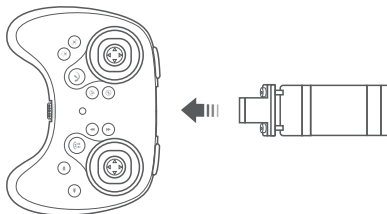
3. Install the battery into the drone after it's fully charged.



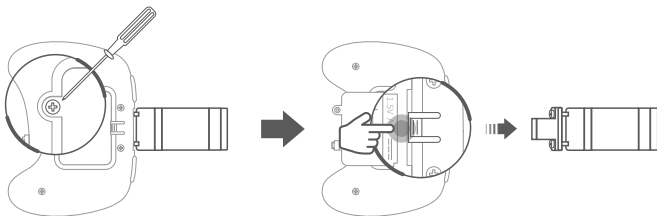
4. Install the remote batteries.



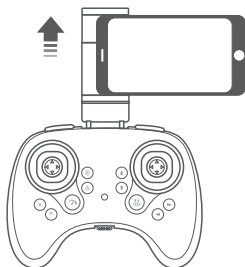
5. Install the Phone Clamp into the remote. (Optional)



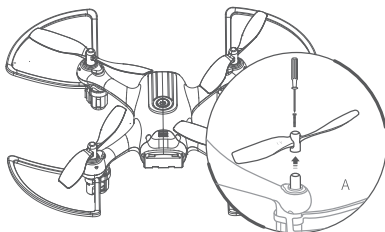
- *How to take out the phone clamp?
- *Remove the battery cover on the back of the remote.
- *Press the buckle down and take the phone clamp out.



6. Extend the phone clamp to mount your mobile device.(Optional)



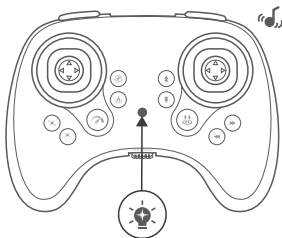
7. Replace the propellers when it's needed.(Optional)



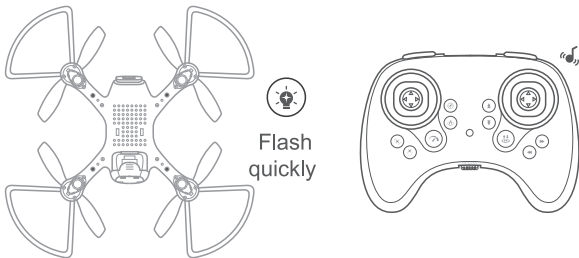
- * Loosen the screw and remove the propeller.
- * Fit the spare propellers into the drone. Ensure the mark(A/B) on the propeller is the same as the mark on the drone's arm.
- * Tighten the screws.

Low Battery Warning

When the remote battery is low, the LED indicator of the remote keeps flashing, and the remote keeps beeping.



When the drone battery is low, the LEDs on the drone keep flashing quickly, and the remote keeps beeping.



FLIGHT OPERATION GUIDE

i IMPORTANT

- * Make sure you power on the drone first, then the remote in each flight.
- * Do repeat the pairing and calibration procedure each time the drone or remote is restarted.
- * For all flight functions and modes, the operator and tail of the drone must be aligned.
- * We recommend flying in the open air and within the control range for beginners.

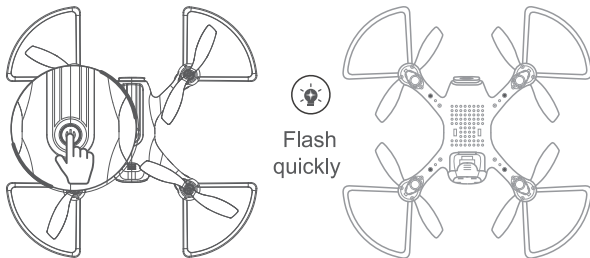
Remote Operation Guide

1. Pair the Remote with the Drone

Step 1:

Press and hold the ON/OFF button on the drone; its LEDs start flashing quickly.

Then place the drone on a flat surface with the head forward.



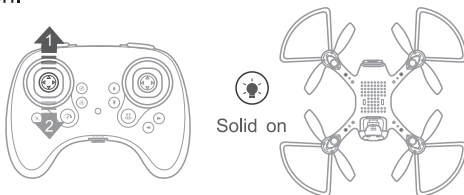
Step 2:

Turn on the remote; the remote beeps once and its LED indicator starts flashing.



Step 3:

Push the Left Control Stick forward to the top, then pull it backward till the bottom. Pairing completes when the LEDs on the drone and remote turn solid on.

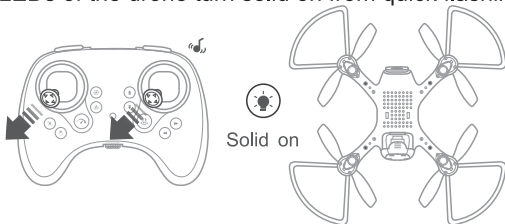


⚠ Note:

The drone and the remote will automatically turn off if no operation within 8 minutes.

2. Flight Calibration

Move both control sticks to lower left at 45°, then hold for 2 - 3 seconds until you hear a long beep from the remote. Calibration completes when the LEDs of the drone turn solid on from quick flashing.

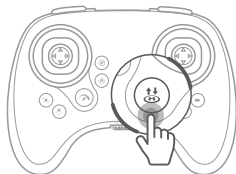


3. Flight Instructions

Take-off

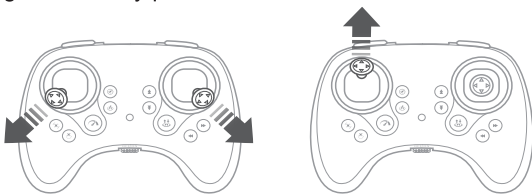
Option 1:

Press the  button to take off.



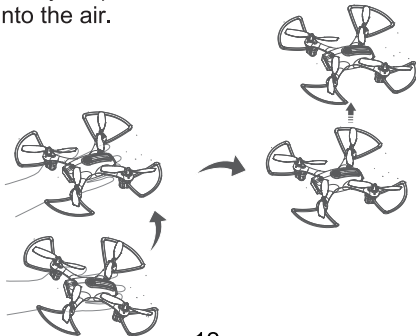
Option 2:

Simultaneously push the Left Control Stick to lower left at 45° and the Flight Control Stick to lower right at 45° until the four propellers start rotating, then slowly push the Left Control Stick forward to take off.



Option 3:

Place the drone on your palm with the drone's head in the front, then gently throw it into the air.



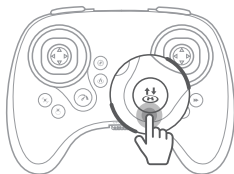
⚠ Note:

Please calibrate the drone if the drone's LEDs keep flashing after a crash or impact.

Landing

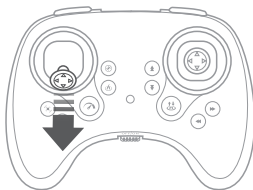
Option 1:

Press the  button to land the drone.



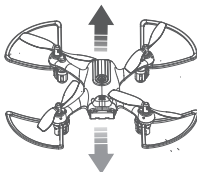
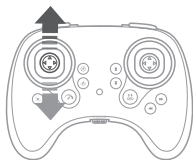
Option 2:

Slowly pull the Left Control Stick backward to land the drone until the propellers stop rotating.

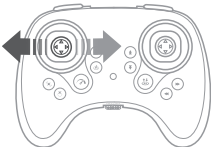
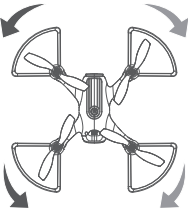


Flight Directions

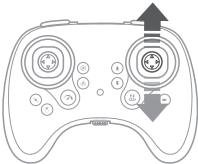
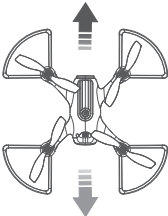
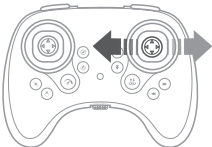
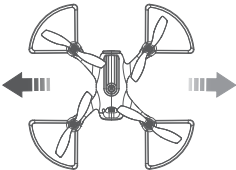
Left Control Stick



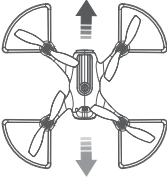

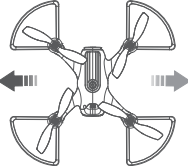

Push the Left Control Stick forward and the drone will ascend; pull it backward and the drone will descend.

		<p>Pull the Left Control Stick leftward and the drone will rotate to the left; pull it rightward and the drone will rotate to the right.</p>
--	---	--

Right Control Stick

		<p>Push the Right Control Stick forward and the drone will fly forward; pull it backward and the drone will fly backward.</p>
		<p>Pull the Right Control Stick leftward and the drone will fly leftward; pull it rightward and the drone will fly rightward.</p>

Flight Trimming


		<p>If the drone drifts forward or backward when hovering, press the Backward Trim button or the Forward Trim button to adjust.</p>
		<p>If the drone drifts leftward or rightward when hovering, press the Rightward Trim button or the Leftward Trim button to adjust.</p>

Altitude Hold/Hover

This is one of the default settings of the drone. When you release the Left Control Stick after an ascent/descent action, the drone will hover at the current height. For a stable height, press the trim buttons to adjust accordingly.

Speed Switch

The drone is set to low speed by fault.

Press the  button once for Medium speed, and the remote will beep twice.

Press it again for High speed, and the remote will beep three times.



(Medium Speed)



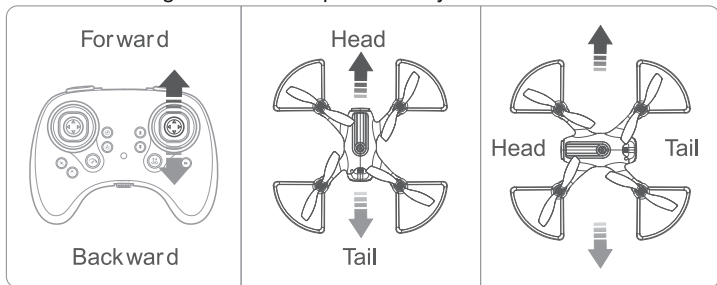
(High Speed)

Press it the third time to get back to low speed, and the remote will beep once.

Headless Mode

Press the  button to activate Headless Mode; the red front LEDs on the drone keep flashing.

In this mode, the drone will fly following the direction of the Right Control Stick regardless of the position of your drone's head or tail.




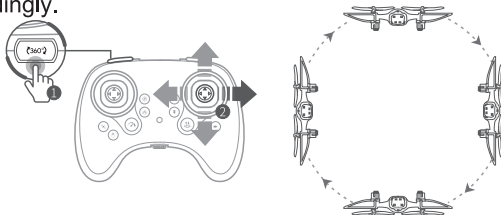
Standard Mode

Headless Mode


Press the same button to exit this mode.

3D Flips & Rolls

Fly the drone to a height over 2M, then press the  button to activate 3D Flip&Roll function. Next, move the Right Control Stick to Flip the drone accordingly.




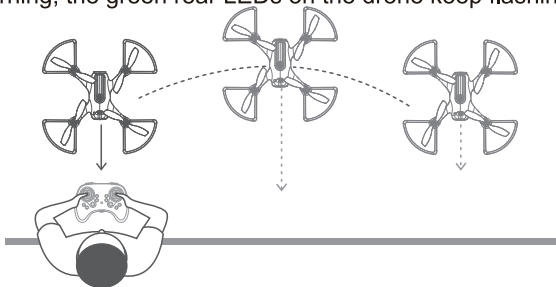
Note


*There are continuous beeps from the remote when you activate this function. If you do not move the Right Control Stick about 5s after you press the  button, the remote will stop beeping, indicating that this function is canceled.

*This function can't be activated when the battery of the drone is low.


One Key Return

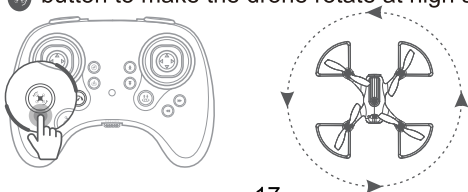
Press the  button, and then the drone will fly toward its back following a path parallel to its original take-off path. When the drone is returning, the green rear LEDs on the drone keep flashing.




Press the  button again or move the Right Control Stick forward to cancel this mode, or the drone will keep flying back.

Rotation Flight

Press the  button to make the drone rotate at high speed.




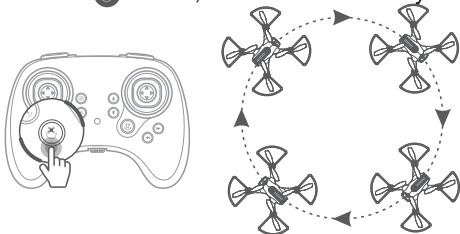
Press the  button to make the drone rotate at high speed.


Note

*This function can't be activated when the batter of the drone is low.

Surrounding Flight

Ensure that there are no obstacles within a radius of 5 meters around the drone. Press the , and the drone will fly in circles.



Press the  button again or move the Right Control Stick forward to exit this mode.

Note

*This function can't be activated when the batter of the drone is low.

Photo/Video

Press connect the drone to your mobile device first (refer to APP User Guide), then go to the App EFPV to check your photos and videos.

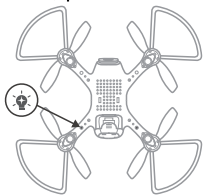
Press this button  to take a photo.

Press and hold this button to start recording a video; press and hold it again to stop recording and save the video.

Rear LEDs of the Drone

Taking a photo: **flashing once**

Recording a video: **flash slowly**

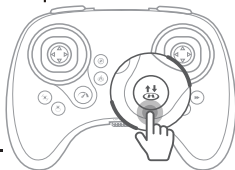


Emergency Stop

Press and hold the  button, then the drone will stop in the air and fall.

Note

*It's NOT recommended to use this function during normal flight for landing, which may cause serious damage to your drone.



TROUBLE SHOOTING GUIDE

1. The drone's LEDs are still off after I turn on the drone.
 - * ***Ensure the drone is turned on successfully.***
 - * ***Ensure the drone battery has enough power.***
 - * ***Ensure the drone battery is installed correctly.***
2. The drone's LEDs keep flashing and it doesn't respond to the remote.
 - * ***Ensure the drone is paired with the remote.***
 - * ***Ensure the drone and the remote have enough power.***
3. The flight is not stable.
 - * ***Fly the drone back and do the flight calibration.***
 - * ***Make the flight trimming accordingly.***
 - * ***We recommend flying the drone on windless days.***
4. The drone doesn't respond sensitively to the remote.
 - * ***Ensure the distance between the remote and the drone is effective.***
5. The drone frequently disconnects with the APP.
 - * ***Ensure the distance between the remote and your mobile device is effective.***
 - * ***Ensure your mobile device connects to the drone's Wifi.***

6. The drone doesn't respond to the voice commands.

**** Ensure the APP has access to the audio function of your mobile device.***

7. Some of the functions in APP are unavailable.

**** Ensure that you've turned on the APP.***

8. Cannot use some of the functions when using the remote to control the drone .

**** Ensure the drone battery has enough power.***

FCC CAUTION

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate equipment.

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, interference that may cause undesired operation.

Note: This device 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.

For Remote:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

For drone:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

H863HW

Any problems, please contact us firstly.
We will do our best to satisfy you.



| support@airfixs.com



MADE IN CHINA