



.... 31

.. 32

.... 32

..... 32

..... 33

Waypoints

Photo/Video ··

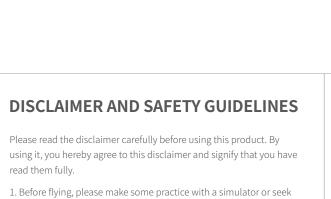
Smart RTH ······

TROUBLESHOOTING

Landing

SPECIFICATIONS

Gestures for Photo/Video



for the instruction from a professional. 2. DO NOT fly above or near obstacles, crowds, open water, public

road, high voltage power lines or trees. 3. DO NOT use the drone in severe weather conditions, such as a rainy day or windy day (wind speed is more than 5.5m/s), snow,

hail, lightning, tornadoes, hurricanes, etc..

4. DO NOT fly the drone in the magnetic interference area, radio interference area, and government regulated no-fly zones. 5. The fast rotating motors and propellers are a potential hazard to cause serious damage and injury. A distance of at least 5m must be maintained from the drone at all times while it is operational. Fly with responsibility.

← 5M → (S)

11. 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.

Photo

IMPORTANT:

HAZARD.

DYNALOG accepts 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 Disclaimer and Safety Guidelines. DYNALOG reserves the right to update this user manual. 02

Thank you for choosing our product. If you have any questions, concerns, or need any help, please contact us at support@idynalog.com or call us via hotline (443) 998-8789 (UTC 14:00-22:00, Monday to Friday)

6. Please maintain the 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.

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

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

9. All parts must be kept out of the reach of children to avoid CHOKE

10. CAUTION: Dispose of the drone and batteries in accordance with

local regulations. DO NOT treat it as household waste.

MAINTENANCE AND CARE

CONTENTS

MAINTENANCE AND CARE

PRODUCT OVERVIEW

FLIGHT PREPARATION

FLIGHT OPERATION GUIDE

Remote Operation Guide

Calibrate the Gyro

Search GPS Satellites

APP Launch

Flight Instructions

Flight Directions

Photo/Video

Take-off

Landing ·

Calibrate the Compass

DISCLAIMER AND SAFETY GUIDELINES

Pair the Remote with the Drone

Connect to Your Mobile Device

App Downloading and Installation

1. Thoroughly check the drone after a crash or a violent impact. 2. Clean off your drone with a dry cloth to prevent any moisture from getting into the electronics. 3. Do not try to disassemble or repair the product yourself. Please contact us for more help. 4. Remove the battery from the drone if it will not be used for a long time.

5. Please store and charge the battery in a cool (0~40°C) and dry place. 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. 6. Please use the original battery provided. Use an incorrect type of battery may lead to fire hazards. 7. Do not charge the battery if it is hot. Let it cool down first.

8. ONLY use the original USB cable provided. Do not over charge the battery. Unplug the charger once the battery is fully charged. 9. Do not charge the battery next to inflammables, such as bed, carpet,

wood floor, etc., or on surfaces that are electrically conductive. Do not leave the battery unattended while charging. 10. Keep the battery away from any sharp objects that could puncture into the battery to avoid risks of explosion and fire. 11. Do not dispose of the battery in fire or a hot oven, cut or mechanically crush the battery, as this may cause explosions. 12. Do not drive a nail in, hit with a hammer, or stamp on the battery.

Do not strike the battery in other ways. 13. Do not disassemble or alter the outside structure of the battery. 15. Do not store the battery for long periods of time when it's in low battery status. To extend the battery's lifespan, recharge it at least once every three months if not using it for long periods of time. 16. Replace the battery if it's swollen. 17. Batteries are only to be charged by adults or by children at least 8 years old under adult supervision.

14. Do not expose the battery to the extremely low air pressure, as this

may result in an explosion or the leakage of flammable liquid.

18. Different types of batteries or new and used batteries are not to be 19. Exhausted batteries are to be removed from the toy.

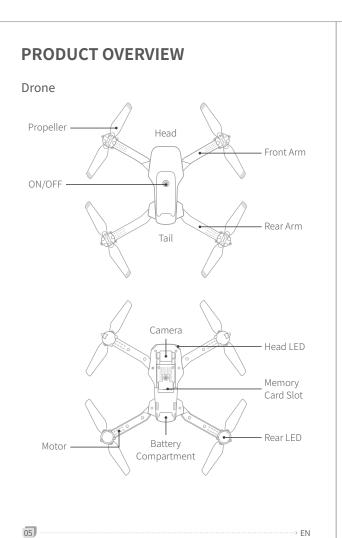
20. The supply terminals are not to be short-circuited.

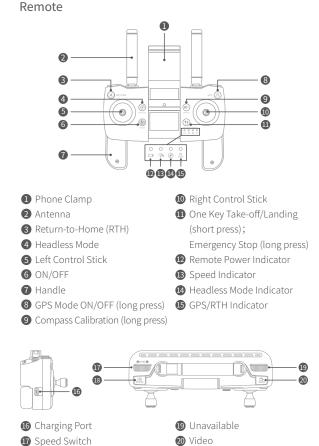
21. Batteries are to be inserted with the correct polarity (+ and –).

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

4. Insert a memory card (not included) into the drone.

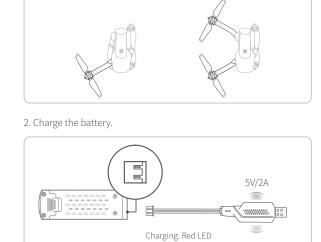
04





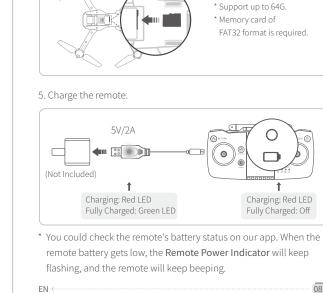
06

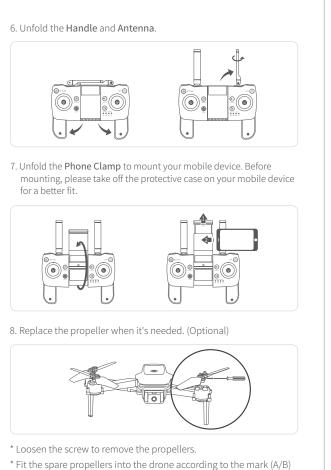
FLIGHT PREPARATION 1. Unfold the front arms, then the rear arms.

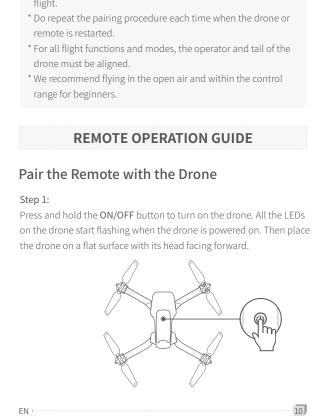


Fully Charged: Green LED

* You could check the drone's battery status on our app. When the drone battery gets low, the remote will also keep beeping. * Please use the original battery and USB cable provided. * It's not recommended to charge the battery from the USB port * Flight time may be reduced when flying in low-temperature 07

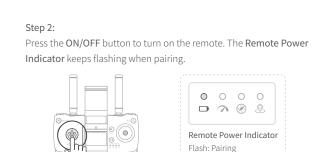


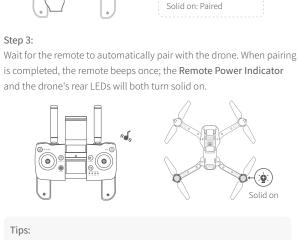




FLIGHT OPERATION GUIDE

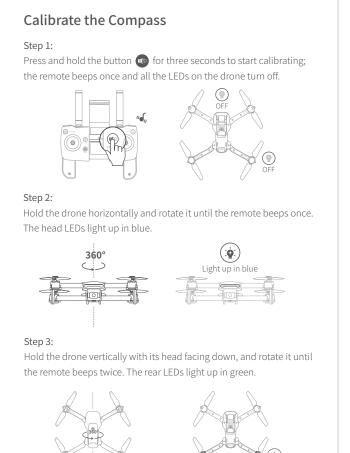
* Make sure you power on the drone first, then the remote in each

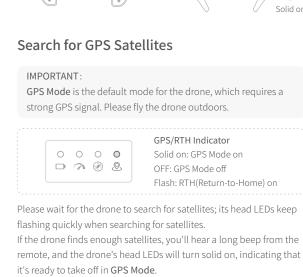




* The drone will automatically turn off if no operation is performed within 5 minutes. * The remote will automatically turn off if no operation is performed within 30 minutes.

11)





Place the drone on a flat surface. Push both sticks to lower left at 45°;

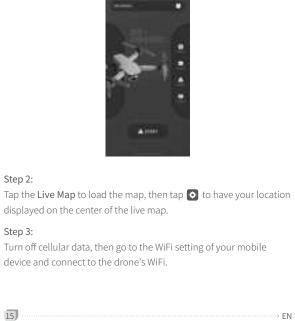
the remote beeps once and the drone's rear LEDs flash quickly. Gyro

calibration is completed when the drone's rear LEDs turn solid on.

Calibrate the Gyro



Google Play™ is a trademark of Google Inc., and App Store™ is a trademark of Apple Inc. App Launch Turn on cellular data and location service of your mobile device, then open the App, and tap START to enter the App.



Flight Instructions Take-off Press the button 🗓 and the four rotor blades start rotating, then press the button 🐽 to take off.

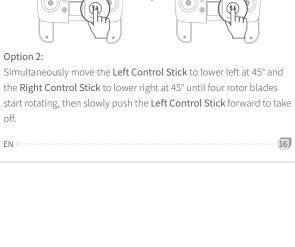
* If the drone's WiFi is not listed in your WiFi list or the App does

not show the preview image, please restart the drone and remote, then repeat the pairing and calibration procedures. * Make sure the drone's WiFi is only connected to one mobile

* It's recommended that you turn off cellular data when your

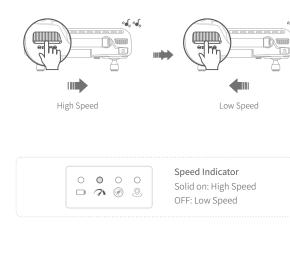
connection with the drone may be interrupted.

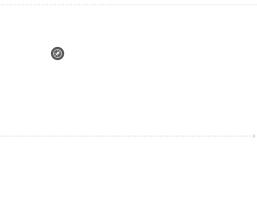
mobile device connects to the drone's WiFi. Otherwise, the WiFi











1. The Low Battery RTH will be triggered when the drone battery is

RTH will be canceled automatically after the drone flies back to where

RTH distance is less than 15 meters. It cannot fly beyond 15 meters

2. The ${\bf Critically\ Low\ Battery\ RTH}$ will be triggered when the drone

battery is Critically low. The drone will automatically fly back and

The remote keeps beeping.

The remote keeps beeping.

low and the RTH Distance is over 15 meters.

Drone Battery Status shows

anymore no matter how you operate.

Drone Battery Status shows

1 bar on the App.

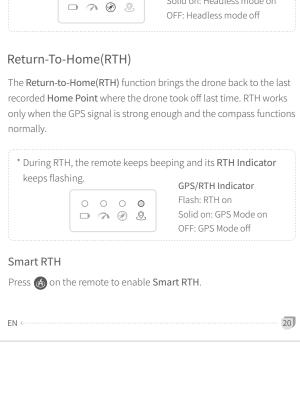
23)

land on the last recorded Home Point.

2 bars on the App.

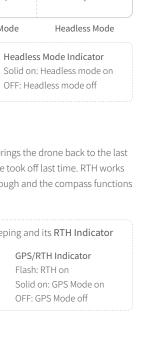
19

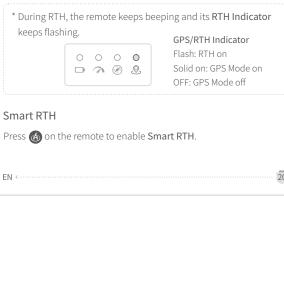
Low Battery RTH



Standard Mode

 $\circ \hspace{0.1cm} \circ \hspace{0.1cm} \bullet \hspace{0.1cm} \circ$

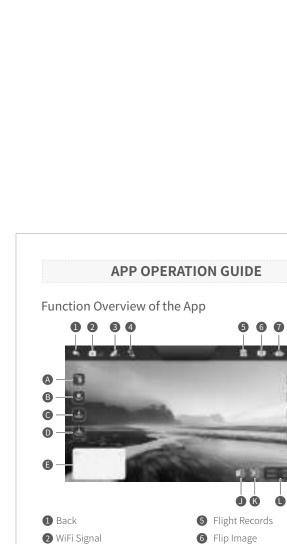




Press and hold for 3 seconds, the drone will stop in the air and fall.

It's NOT recommended to use this function during the normal flight, which may result in serious damage to your drone.

Emergency Stop



3 Number of Satellites

One Key Take-off/Landing

Gestures for Photo/Video

Point of Interest (POI)

4 Waypoints

A Follow Me **B** Point of Interest

© Smart RTH

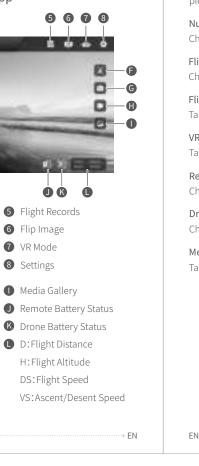
Live Map

G Photo

Video

25

24



7 VR Mode

8 Settings

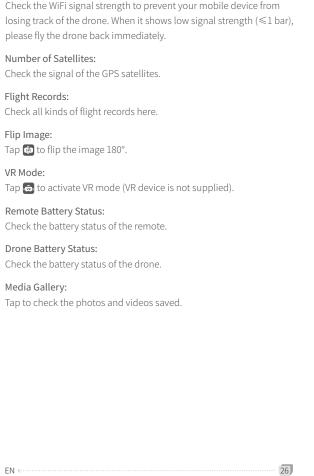
Media Gallery

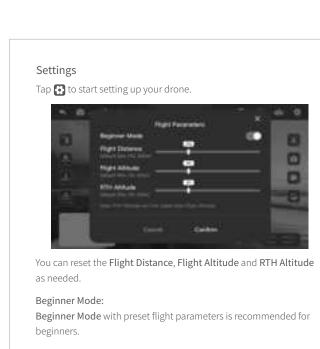
Drone Battery Status

H:Flight Altitude

DS:Flight Speed

D:Flight Distance





Flight Distance: Tap to reset the maximum flight distance between the drone and last recorded Home Point. Flight Altitude: Tap to reset the maximum flight altitude of the drone. RTH Altitude: Tap to reset the RTH altitude when returning home. Note: * RTH Altitude can't be higher than the Flight Altitude.

27

2. Activate this function only when there is no obstacle around

3. This function can't be activated when the battery of the drone

you in case of unexpected accidents.

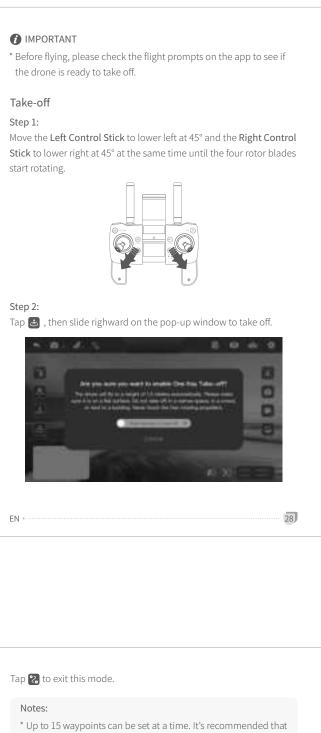
Step 3:

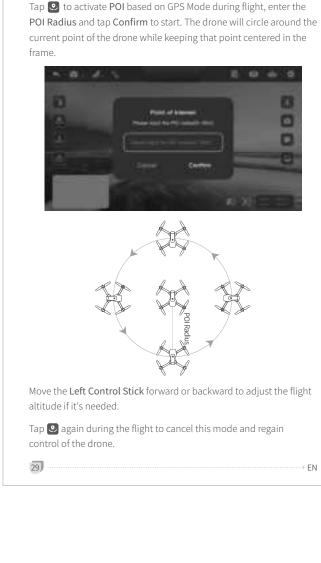
31

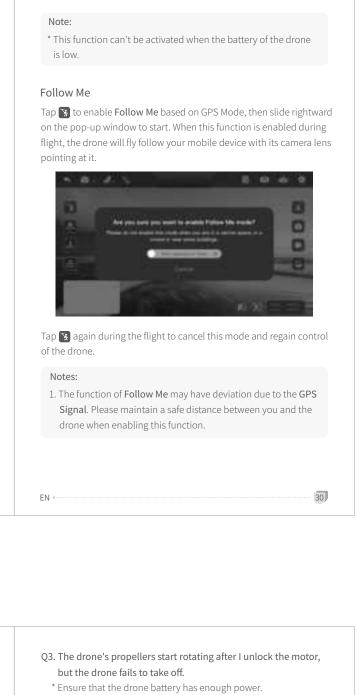
Remote

35)

Transmit Power (EIRP)







Waypoints Waypoints function based on GPS Mode allows you to define an exact flying route on a map during the flight Step 1: Tap **?** to start setting waypoints. Step 2: Tap o to find your current location, then tap some desired waypoints on the map. Tap or to delete waypoint(s) if you want to reset.

Tap to upload waypoints. Step 4: Slide rightward on the pop-up window to start. 10 8 00 8 8

Photo/Video Tap 📵 to take one photo. Tap 🖸 to start recording, tap 🖸 again to end and save the video to your memory card and mobile device. Go to Media Gallery, select the photo or video preferred and tap Gestures for Photo/Video Tap 🕝 to activate this function. Within 3m under light-filled circumstances, please make a 🖞 gesture with your **Right Hand** for taking a photo, a 🖑 gesture for starting and ending the video recording. Smart RTH

Tap 👪 to activate Smart RTH during the flight and have the drone

returned to the last recorded **Home Point**. Slide rightward on the

you set 8 waypoints or less for better flying experience.

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

pop-up window to start RTH; tap Cancel to exit this window. EN

32

36

37

During the path of RTH, tap 👪 again to cancel RTH and regain control. Landing Tap 🖶 and slide rightward on the pop-up window to land the drone during the flight. **TROUBLESHOOTING** Q1. The motors of the drone don't spin. * Ensure that you've turned on the drone and the remote. * Ensure that the drone battery and the remote battery have enough power. * Ensure that the remote has been paired with the drone successfully.

* Ensure that the propellers (A/B) are installed correctly. * Check if the motor is stuck by any small object or if there is a burning smell from the motor. If yes, please remove the small object or contact us directly. * Check if the wheel of the motor is working well. If not, please contact us directly. Q5. The drone's propeller fails to rotate. * Check if the propeller is over tightened. * Check if the motor is stuck by any small object or if there is a burning smell from the motor. If yes, please remove the small object or contact us directly. * Check if the wheel of the motor is working well. If not, please contact us directly.

* Push the **Left Control Stick** forward to take off after unlocking the

* Check if the rotating speed of each motor is the same. If not, the

* Ensure that the propellers (A/B) are installed correctly.

motor is broken, please contact us directly.

Q4. The drone tilts to one side after taking off.

* Calibrate the gyro.

ISEDC Warning:

Q2. The LEDs of the drone flash abnormally.

* Try to calibrate the compass. * Try to calibrate the gyro.

* Ensure that the drone battery has enough power.

Q7. The drone is unresponsive or insensitive to the control of the * Ensure that the drone flies within control range. * Switch the speed of the drone to high speed. * Ensure that the remote battery has enough power. Q8. Why can't I see the live image on App? * Ensure that the drone has enough power. * Ensure that your mobile device has connected to the drone's WiFi. * Please go to your mobile device's setting to turn off your cellular data, or disable the function that allows your phone to automatically disconnect to WiFi with no Internet access. * Ensure that the camera isn't blocked. * Ensure that the drone flies within FPV range. * Please try to use another phone to connect to the drone's WiFi. **SPECIFICATIONS** Drone Operating Temperature 32°F to 104°F(0°C to 40°C) 5.2G: 17.58dBm Transmit Power (EIRP) 5.8G: 12.00dBm

2.4GHz: 14.66dBm

EN.

EN

FCC Caution: $\label{lem:complex} \mbox{Any Changes or modifications not expressly approved by the party responsible for compliance}$ ould void the user's authority to operate the 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, including interference that may cause undesired operation.

Note: 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 Consult the dealer or an experienced radio/TV technician for help. For Remote:
The device has been tested and comply with FCC SAR limits. For R/C QUADCOPTER: 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's your body.

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

to the following two conditions:
(1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Le présent appareil est conforme aux CNR d'Industrie 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, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement. For R/C QUADCOPTER: The device is compliance with RF exposure guidelines, users can obtain Canadian information on RF exposure and compliance. The minimum distance from body to use the device is 20cm.

Operation of this device in the band 5150-5250 MHz is restricted to indoor use only. L'appareil est conforme aux directives d'exposition aux RF, les utilisateurs peuvent obtenir des informations canadiennes sur l'exposition aux RF et la conformité.La distance minimale du corps pour utiliser l'appareil est de 20 cm. Le fonctionnement de cet appareil dans la bande 5150-5250 MHz est limité à une utilisation en intérieur uniquement The device is compliance with RF exposure guidelines, users can obtain Canadian information on RF exposure and compliance.

Le présent appareil est conforme Après examen de ce matériel aux conformité ou aux limites d'intensité de champ RF, les utilisateurs peuvent sur l'exposition aux radiofréquences et la conformité and compliance d'acquérir les informations correspondantes. This transmitter must not be co-located or operating in conjunction with any other antenna Cet émetteur ne doit pas être colocalisé ou fonctionner en conjonction avec une autre antenne

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject

Q6. The drone drifts after taking off. * Ensure that **GPS Mode** is **ON** and the GPS signal is strong. * Please land the drone and calibrate the gyro. * Please land the drone and calibrate the compass. 34