

14"

DR-DG600C

FOLDABLE GPS DRONE

User Manual

Please read the manual carefully before flying and keep it for future reference.

V1.04

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MAINTENANCE AND CARE

- Thoroughly check the drone after a crash or a violent impact.
- Clean off your drone with a dry cloth to prevent any moisture from getting into the electronics.
- Do not try to disassemble or repair the product yourself. Please contact us for more help.
- Remove the battery from the drone if it will be used for a long time.
- 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.
- Please use the original battery provided. Use an incorrect type of battery may lead to fire hazards.
- Do not charge the battery if it is hot. Let it cool down first.
- ONLY use the original USB cable provided. Do not over charge the battery. Unplugging the charger once the battery is fully charged.
- Do not charge the battery next to inflammables, such as bed, carpet, wood floor, etc., or on a surface that is electrically conductive. Do not leave the battery unattended while charging.
- Keep the battery away from any sharp objects that could puncture into the battery to avoid risks of explosion and fire.
- Do not dispose of the battery in fire or a hot oven, cut or mechanically crush the battery, as this may cause explosions.
- Do not drive a nail in, hit with a hammer, or stamp on the battery. Do not strike the battery in other ways.
- Do not disassemble or alter the outside structure of the battery.
- Do not expose the battery to the extremely low air pressure, as this may result in an explosion or the leakage of flammable liquid.
- 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 every three months if you are not using it for long periods of time.
- Replace the battery if it's swollen.
- Batteries are only to be charged by adults or by children at least 8 years old under adult supervision.
- Different types of batteries or new and used batteries are not to be mixed.
- The supplied batteries are not to be removed from the toy.
- Exhausted batteries are not to be short-circuited.
- Batteries are to be inserted with the correct polarity (+ and -).

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DISCLAIMER AND SAFETY GUIDELINES

Please read the disclaimer carefully before using this product. By using it, you hereby agree to these practices and a simulator that you seek to read them fully.

- Before flying, please make some practice with a simulator that you seek for the instruction from a professional.
- DO NOT fly above or near obstacles, crowds, open water, public road, high voltage power lines or trees.
- DO NOT use the drone in adverse weather conditions, such as a rainy day or windy day (wind speed is more than 5.5m/s), snow, hail, lightning, tornadoes, hurricanes, etc.
- DO NOT fly the drone in the magnetic interference area, radio interference area, and government regulated no-fly zones.
- 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.

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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.

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

This product is NOT intended for professional aerial drone photography.

All parts must be kept out of the reach of children to avoid CHOKING HAZARD.

CAUTION: Dispose of the drone and batteries in accordance with local regulations. DO NOT treat it as household waste.

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.

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.

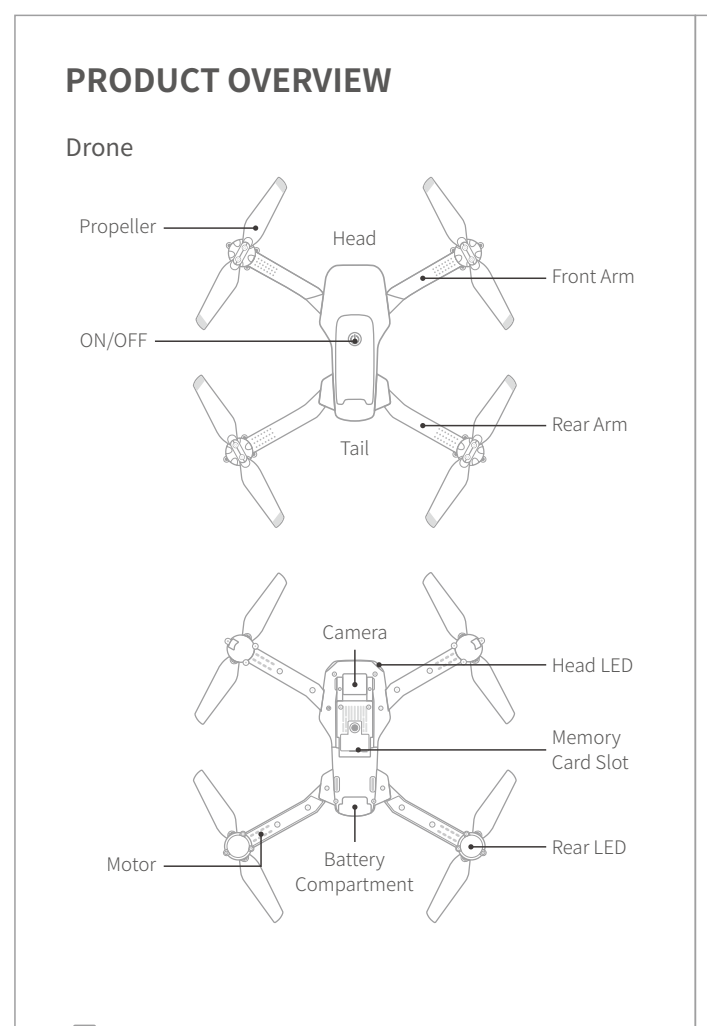
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FLIGHT PREPARATION

- Unfold the front arms, then the rear arms.
- Charge the battery.
- Install the battery into the drone after it's fully charged.
- Insert a memory card (not included) into the drone.
- Charge the remote.

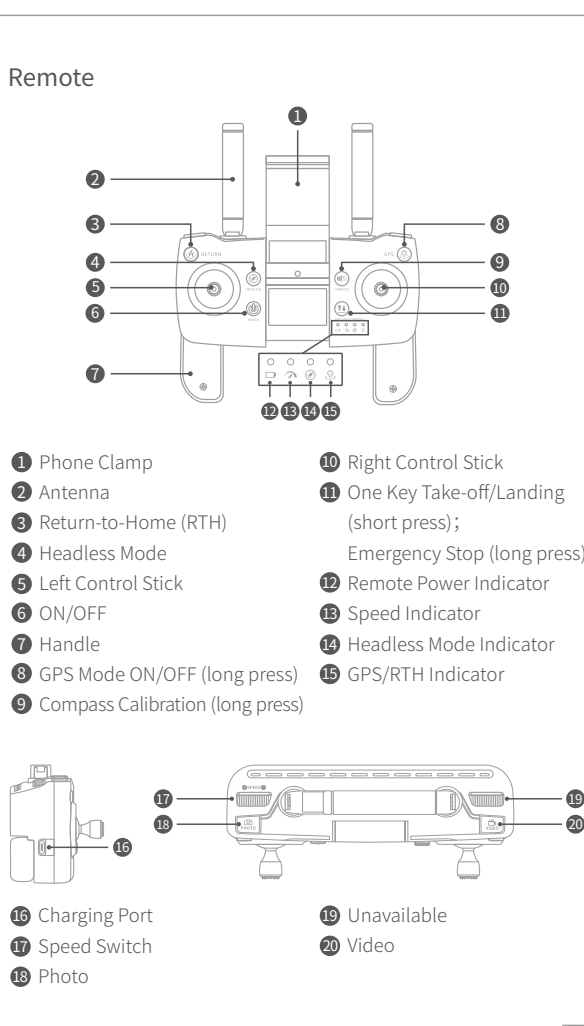
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PRODUCT OVERVIEW



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Remote



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Notes:

- * 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 is not recommended to charge the battery from the USB port of PC.
- * Flight time may be reduced when flying in low-temperature environments.

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6. Unfold the Handle and Antenna



7. Install the Phone Clamp to mount your mobile device. Before mounting, please take off the protective case on your mobile device for a better fit.



8. Replace the propeller when it's needed. (Optional)



* Loosen the screw to remove the propellers.

* Fit the propellers into the drone according to the mark (A/B) on it.

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REMOTE OPERATION GUIDE

Pair the Remote with the Drone

Press and hold the ON/OFF button to turn on the drone. All the LEDs on the drone start flashing. For optimal hovering, we strongly recommend the drone to be aligned.

We recommend flying in the open air and within the control range for beginners.

IMPORTANT:

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

REMOTE OPERATION GUIDE

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Step 2:

Press the ON/OFF button to turn on the remote. The Remote Power Indicator keeps flashing when pairing.



Step 3:

Wait for the remote to automatically pair with the drone. When pairing is completed, the remote beeps once, the Remote Power Indicator and the drone's rear LEDs will both turn solid on.



Type:

- * 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.

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Calibrate the Compass

Step 1:

Press and hold the button **[C]** for three seconds to start calibrating the remote beeps once and the LEDs on the drone turn off.



Step 2:

Hold the drone horizontally and rotate it until the remote beeps once. The head LEDs light up in blue.



Step 3:

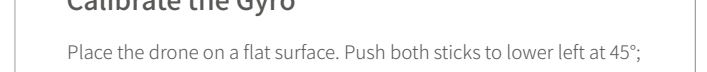
Hold the drone vertically with its head facing down, and rotate it until the remote beeps twice. The rear LEDs light up in green.



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Calibrate the Gyro

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.



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In GPS mode, the drone will follow the GPS module to locate and make a path for the flight. For optimal hovering, we strongly recommend the drone to be aligned.

We recommend flying in the open air and within the control range for beginners.

REMOTE OPERATION GUIDE

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Tip:

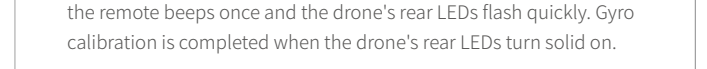
- * The drone will automatically turn off if no operation is performed within 5 minutes.
- * The remote will automatically turn off if no operation is performed within 30 minutes.

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Search for GPS Satellites

IMPORTANT:

GPS Mode is the default mode for the drone, which requires a strong GPS signal. Please fly the drone outdoors.



Please wait for the drone to search for satellites, its head LEDs keep flashing quickly when searching for satellites. If the drone finds enough satellites, you'll hear a long beep from the remote, and the drone's head LEDs will turn solid on, indicating that it's ready to take off in GPS Mode.

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Pair the Remote with the Drone

Press and hold the ON/OFF button to turn on the drone. All the LEDs on the drone start flashing. For optimal hovering, we strongly recommend the drone to be aligned.

We recommend flying in the open air and within the control range for beginners.

REMOTE OPERATION GUIDE

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App Launch

Step 1:

Turn on cellular data and location service of your mobile device, then open the App, and tap START to enter the App.



Step 2:

Tap the Live Map to load the map, then tap **[C]** to have your location displayed on the center of the live map.



Step 3:

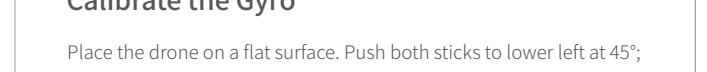
Turn off cellular data, then go to the WiFi setting of your mobile device and connect to the drone's WiFi.



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OPTION 1:

Press the button **[L]** to land the drone.



OPTION 2:

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



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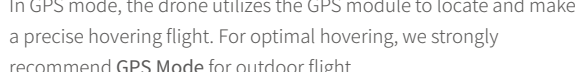
Flight Directions

Left Control Stick

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



Push the Left Control Stick to the right and the drone will rotate to the right.



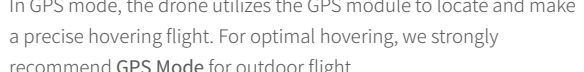
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Right Control Stick

Push the Right Control Stick forward and the drone will fly forward; pull it backward and the drone will fly backward.



Push the Right Control Stick to the left and the drone will fly leftward; pull it rightward and the drone will fly rightward.



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Note:

- * Google Play™ is a trademark of Google Inc., and App Store™ is a trademark of Apple Inc.

App Launch

Step 1:

Turn on cellular data and location service of your mobile device, then open the App, and tap START to enter the App.



Step 2:

Tap the Live Map to load the map, then tap **[C]** to have your location displayed on the center of the live map.



Step 3:

Turn off cellular data, then go to the WiFi setting of your mobile device and connect to the drone's WiFi.



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Notes:

- * 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 device.
- * It's recommended that you turn off cellular data when your mobile device connects to the drone's WiFi. Otherwise, the WiFi connection with the drone will be interrupted.

Flight Instructions

Take-off

Option 1:

Press the button **[L]** and the four rotor blades start rotating, then press the button **[C]** to take off.



Option 2:

Slowly push the Left Control Stick to lower left at 45° and the Right Control Stick to lower right at 45° until the four rotor blades start rotating, then slowly push the Left Control Stick forward to take off.



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Photo/Video

Press the button **[P]** to take a photo.

Press the button **[V]** to start recording a video. Press it again to stop and save the video to your mobile device and memory card.



Speed Switch

The speed of the drone is set as Low speed by default.

Push the button **[S]** rightward to switch to High speed, and the remote beeps twice.



Push it leftward to switch back to Low speed, and the remote beeps once.



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Headless Mode

Press the button **[H]** to activate Headless Mode.

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 the tail. Press the same button again to cancel this mode.



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Return-to-Home(RTH)

The Return-to-Home(RTH) function brings the drone back to the last recorded Home Point where the drone took off from. RTH works only when the GPS signal is strong enough and the compass functions normally.



* During RTH, the remote keeps beeping and its RTH Indicator keeps flashing.



Smart RTH

Press **[S]** on the remote to enable Smart RTH.

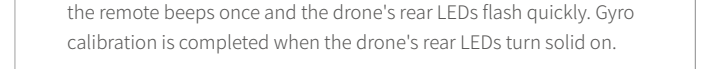


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Landing

OPTION 1:

Press the button **[L]** to land the drone.



OPTION 2:

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



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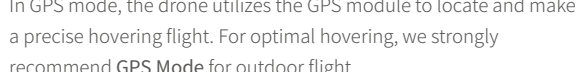
Flight Directions

Left Control Stick

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



Push the Left Control Stick to the right and the drone will rotate to the right.



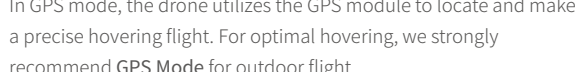
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Right Control Stick

Push the Right Control Stick forward and the drone will fly forward; pull it backward and the drone will fly backward.



Push the Right Control Stick to the left and the drone will fly leftward; pull it rightward and the drone will fly rightward.



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Low Battery RTH

The Low Battery RTH will be triggered when the drone battery is low and the RTH distance is over 15 meters.



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 anymore to enter this mode.

2. The Critically Low Battery RTH will be triggered when the drone battery is Critically low. The drone will automatically fly back and land on the last recorded Home Point.



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Emergency Stop

Press and hold **[E]** for 3 seconds, the drone will stop in the air and fall.



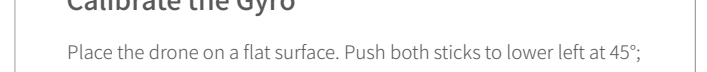
Note:

- * This function can't be activated when the normal flight, which may result in serious damage to your drone.

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* RTH Distance

The distance between the drone and the last recorded Home Point where the drone took off last time.



The distance RTH will be activated when it is over 20 meters.

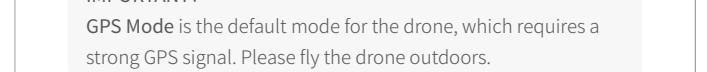
1. RTH Distance < 20M, Current Flight Altitude < 20M

The drone will ascend to the altitude of 20 meters, then fly back to the Home Point and land.



2. RTH Distance < 20M, Current Flight Altitude ≥ 20M

The drone will directly fly back to Home Point at its current flight altitude and land.



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3. RTH Distance < 20M

The drone will directly fly back to Home Point at its current flight altitude and land.



Note:

- * You could reset the RTH altitude when using the app to control the drone.

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Waypoints

Waypoints function based on GPS Mode allows you to define an exact flying route on a map during the flight.

Step 1:

Tap **[W]** to start setting waypoints.



Step 2:

Tap **[W]** to find your current location, then tap your desired waypoints on the map. Tap **[C]** to delete waypoints if you want to reset.

