

APEX Flight adjustment and notice for beginners

Caution

- Please check if the screws and blades are firmly tightened.
- Please make sure the battery are fully charged.
- Please make sure the blades are correctly installed.

Cautions

- Please make sure there is no obstacle in flying area.
- Please practice how to hover the drone first.
- Please avoid 2 meters away from the drone.

Drones default mode is optical flow, it can help the drone to achieve accurate fixed point and stable flight under 2 meters, specially indoor flight.

- Make sure the camera is clean and set to auto.
- Make sure the light is enough, ground texture is rich as optical flow relies on ground texture to obtain movement information.
- Optical flow can not work in below conditions:
 - above the water
 - in the dark
 - no clear ground texture
- Optical flow may not work under 0.5 meters flight.

1. Throttle lever practice

The throttle lever is on the left, slowly push the throttle lever up, then release the throttle lever, the drone will ascend and hold its altitude, slowly put the throttle down, then release the throttle lever, the drone will descend and hold its altitude. Practice again and again until you can fly the drone to any height you want and land off safely.

2. Direction control practice

1. Direction lever is on the right, slowly to the direction lever to the right to control the direction of drone.
2. Side flying practice way is the same as above.

3. Rotation practice

- Slowly put the throttle lever up.
- Put the throttle lever full right, the drone will turn to left/right.

4. Precision practice

Once you are skilled with above 3 steps, you can practice the drone in a fixed area to get more precision practice.

5. Trim

Push the throttle forward and observe how the drone reacts.

- Forward/Reverse movement trim: If drone tends to move forward, press the back arrow on the control pad; if it tends to move backward, press the forward arrow on the control pad.
- If the drone tends to move to the right, press the left arrow on the control pad; if the drone tends to move to the left, press the right arrow on the control pad.

Note: The controller beeps when you press a trim control. If there is no beep, you have reached the maximum trim adjustment.

2. WiFi connect

(1) Turn on your phone, connect your phone with "GD145_XXXXXX".
(2) Enter the APP. If the APP is successfully connected to the drone, you can see the real-time transmission in the APP and you can control the drone by the APP.
(3) The remote controller is invalid when the drone is control by the mobile phone.
The mobile phone is invalid when the drone is control by remote controller.

APP download and installation

Download according to the type of mobile phone
For Android system:
Please go to Google Play, enter the key word "GD 145" to download the app.
For iOS system:
Please go to App store, enter the key word "GD 145" to download the app.

Control of APP

1. Open the app, you will see the screen as below picture:

Take photo Take video Leave throttle G-sensor VR WiFi state Power state

Album One tap to take off One tap to land Headless mode One key to return Speed Direction lever Test Settings

FCC Statement

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.

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.

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

To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with minimum 20cm distance between the radiator and your body and use only the supplied antenna.

Problem shooting

Troubles	Causes	Solutions
1 Turn on the drone, LED blink, while the drone has no reaction to the commands	Battery between drone and controller failed	Please refer to P3 for pairing
2 Turn on the drone, the drone has no reaction to the commands	No power	Charge the drone
3 Blades keep moving after landing	Throttle lever is not at the zero position	Put the throttle lever to zero position
4 Blades keep moving, while the drone can not take off	1. Blades may installed wrong 2. No enough power	1. Change the blades 2. Charge the drone
5 After starting, drone keeps spin, and the speed of blades is different	1. Blades may installed wrong 2. Blades got damaged 3. Calibration failed	1. Install the blades 2. Replace the blades 3. Refer to p2 for calibration
6 The drone can not take off after drop	1. Blades are getting loose 2. Blades got damaged	1. Tighten the blades 2. Replace the blades

Standard components

Controller instruction
Battery installation
Calibration between drone and controller
Controller's function Operations

Replace blades
Charging
Flight adjustment and notice for beginners

The application of App
The battery plug diagram
FCC statement
Problem shooting

warning:
not for children under 14 years old

MADE IN CHINA

NO.GD-145B

User Manual