



created by EHang, Inc.

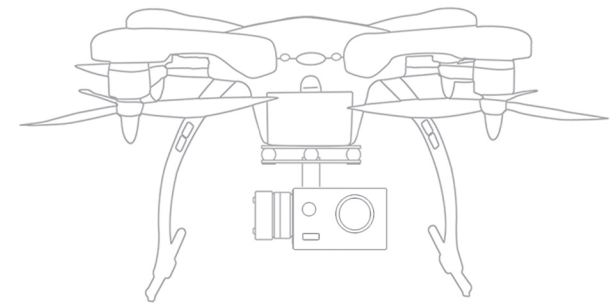
E-mail
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700 Best Ct., San Carlos, CA 94070

GHOST DRONE

created by EHang, Inc.

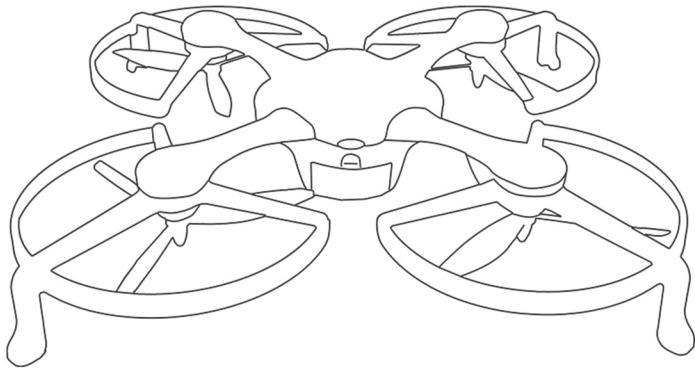
QUICK-START MANUAL



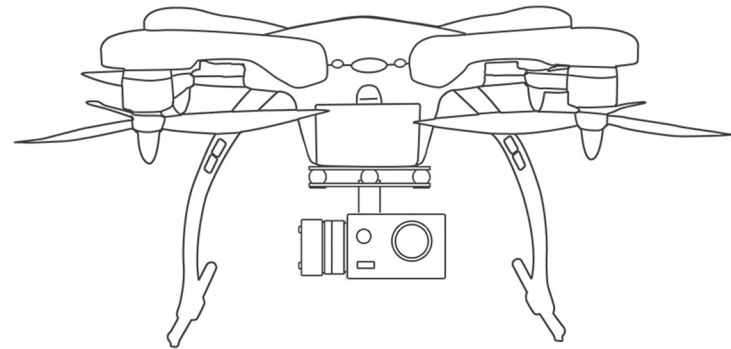
www.ghost-drone.com

PARTS LIST

GHOST Basic



GHOST Aerial (without Camera) GHOST Aerial Plus



⚠ NOTE: 📷 indicates GHOST Aerial.

Parts for GHOST Basic



G-Box



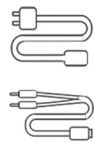
G-Box Cable



Battery

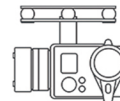


Battery Charger

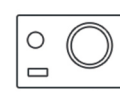


Battery Cable x2

Parts for GHOST Aerial



Gimbal



Camera



G-Box



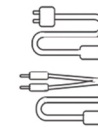
G-Box Cable



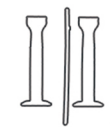
Battery



Battery Charger



Battery Cable x2



Landing Gears



Screwdriver



Screws

NOTICE BEFORE FLIGHT

GHOST is a quadcopter completely controlled by a smartphone APP. Please visit GHOST official website: www.ghost-drone.com to download the GHOST APP and GHOST user manual.

Caution

Black Box

Each GHOST drone contains a black box which records all flight information and working parameters of the engine, which are used for flying tests and accident analysis.

Modification & Mounting

If you need to modify GHOST or mount other devices on GHOST, please consult our customer service. Ehang is not accountable for any damages or loss caused by unsupervised modification or mounting on GHOST.

GHOST Aerial/ Aerial Plus

For GHOST Aerial/ Aerial Plus first time users, please read through the manual before flying attempts. Before installing the gimbal, the camera and flying GHOST Aerial, please familiarize yourself with the basic functions and operations. Improper operation can crash GHOST and damage the gimbal and the camera.

Storage environment

If GHOST and its parts are to be left idle for a while, please take out the battery and store it in a dry environment free from dampness, molds, exposure to sun and electromagnetic interference (EMI).

Flight Environment

Interference

Please fly GHOST over 500m high and away from high-tension lines, magnetic materials, and base stations to avoid takeoff failure or crash caused by strong EMI.

Signal

GHOST might experience errors due to poor signal in the environment with dense buildings. It is suggested that you choose an open area to fly your GHOST to reduce drifting mistake.

Flight restricted zone

Do not fly GHOST in restricted airspace like airport and prohibited military zones. We should be exempted from any legal responsibilities related to or resulted from acts mentioned above.

Weather

Do not fly GHOST under high temperature or in extreme weather including heavy rain, snow or strong wind.

Location

Do not fly GHOST in crowded areas or around vehicles. Watch out for children nearby when flying GHOST to avoid accidents.

Pre-flight Examination

Voice notice

Please download voice package before flight. The voice notice indicates "Low battery. Please return." to avoid losing communication and crashing when battery runs low. Ehang should not be held accountable for accidents that could have been avoided by following the voice notice.

Electric Initialization

Before electric initialization of GHOST, install camera and keep the gimbal balanced.

Assembling & disassembling propellers

Put GHOST upside down on a cotton cloth when assembling / disassembling propellers to avoid scratching the drone body. Please note the correct direction of propellers. (For details, see P6&P7 Installation of Propellers)

Flight Safety

- Make sure that there is a minimum of 5m distance between you and GHOST. Please stay away from dangerous obstacles such as barriers, crowds, and high-tension lines. Please be a responsible flyer.
- During the flight, keep GHOST within your sight to avoid accidents caused by oversight of the surroundings.
- Children must be accompanied by experienced flyers when operating GHOST.

Caution during Flight

Smartphone & G-Box

Limit the distance between the G-Box and the smartphone to 5m or less (holding in hand is recommended). Communication will lose beyond the limited distance. Keep the antenna mast (not necessarily the antenna point) against GHOST.

Height control

Height control is only accessible in hovering status. During flight, the height control bar is hidden on the right side of the APP interface.

Battery Level

It is normal for the battery level to rise again after landing. It is not advisable to launch your GHOST when battery level is less than 30%. It is best to fly GHOST with a fully charged battery.

Emergency

Please tap "HOVER" immediately in times of emergency. If GHOST fails to hover, please ensure your own safety before attending to GHOST.

After-sales

- GHOST after-sales service is accessible through our e-mail. If you encounter any problems during your flight, please email: support@ehfly.com
- We will constantly release APP updates, newsletters and product development progress on GHOST official website. Please stay tuned.

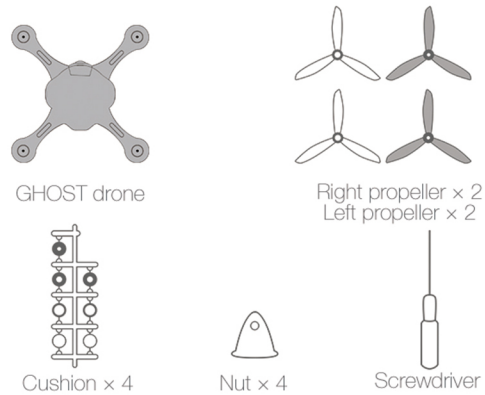
PROPELLERS INSTALLATION

Please read the manual before installing propellers.

1 Prepare GHOST parts

Prepare all the parts and tools (see pic below)

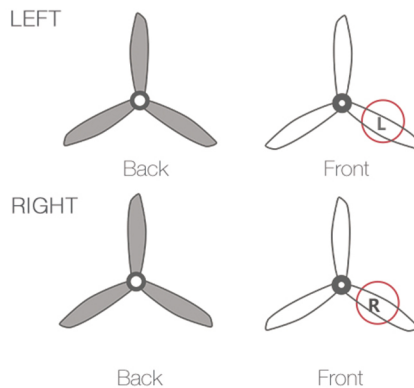
(Notice: grey part indicates the back sides of GHOST and parts.)



2 Identify the front and back ends of propellers.

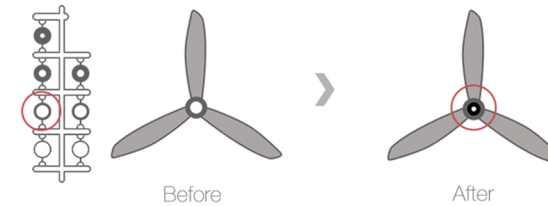
R indicates right propeller. L indicates left propeller.

The character can be found on the propeller's rim on the front end.
No character on the back of the propellers.



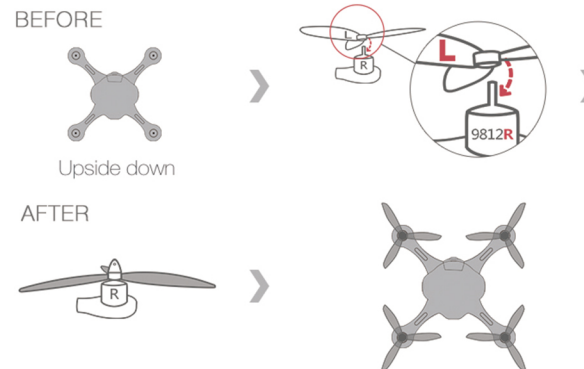
3 Assemble Propellers.

Pick the cushion in the red circle and fit it in the small holes on the backside of propellers respectively.



4 Install Propellers

Put GHOST upside down. The propeller should be placed on the motor with propeller's front ends (with character) facing downwards.
L propeller should be installed to the R motor. R propeller should be installed to the L motor. Fasten the nuts at the back.



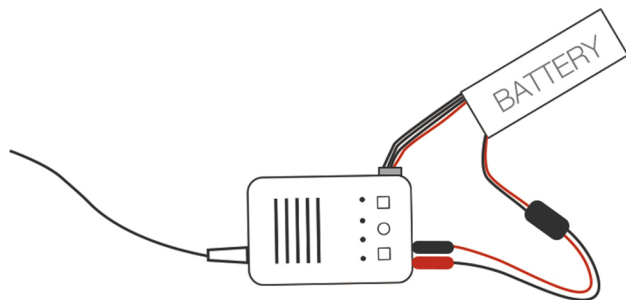
⚠ NOTICE

During installation, please press the propeller with your left hand, tighten the nut with your right hand, and fasten the nut with a screwdriver (follow similar technics to disassemble propellers)

BATTERIES

Thank you for using our batteries. To avoid unnecessarily loss, please read this battery guide prior to use.

- Please examine if there is any tear, damage or deformation on the battery.
- Battery temperature is high immediately after use. Don't start charging until the battery cools down to room temperature.
- Do not leave the battery charging unattended. If abnormal charging situation occurs, please stop charging the battery at once; If you have to leave the battery behind, remove the battery from the charger in case of unpredictable danger.
- Do not place or charge the battery in the sun. Temperature higher than 35°C might damage the battery or affect its performance.
- Avoid storing fully charged battery. It is suggested to use the battery within 24 hours after being fully charged. If you determine not to use the battery for a long period of time, keep its electric voltage between 11.4V – 11.6V.
- Do not apply external force on the battery. Do not drop the battery from high places. Do not disassemble or modify the battery.
- Please keep the battery away from source of water, fire, and the magnetic materials. Store the battery out of children's reach.
- Please do not charge the battery for over 3 hours.



Charging Battery

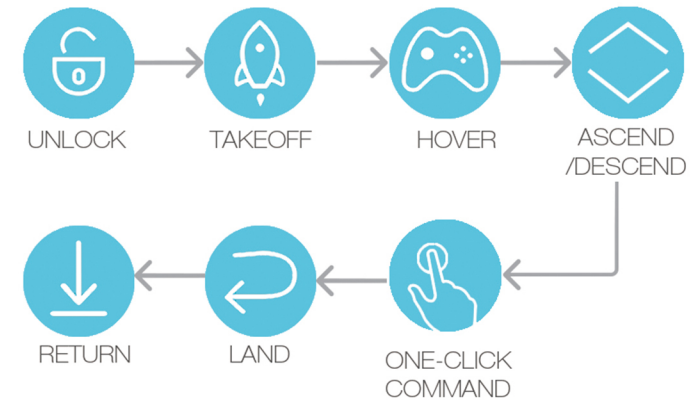
APP

Download and install GHOST APP

Download APP from our official website in your smartphone web browser.



APP Operating Process



APP INTERFACE INSTRUCTION

Setting Flight Mode Satellite Number GHOST Battery Level Distance Height Horizontal Speed Flight Time

Initial 11 72% 0 m 11m 0 km/h 6 min

GIMBAL right/left tilt

GIMBAL up/down tilt

White dotted line: flight path
Blue line: assigned route
Red line: distance between takeoff point and GHOST
Yellow line: distance between smartphone and GHOST

ROTATE control GHOST's directions in the air

Ascend/Descend control GHOST's height

Micro-control make slight adjustment to GHOST in hovering status (similar to joystick)

LOCK/UNLOCK
Lock: propellers stop
Unlock: propellers spin at low speed, ready to takeoff

TAKEOFF
GHOST ascends to flight starting point (10m above takeoff point) and hover

RETURN
GHOST returns to flight starting point

LAND
GHOST descends to ground

HOVER
GHOST remains at the same spot in the air

FOLLOW
GHOST automatically follows the subject (minimum horizontal distance required: 3m)

NOTICE

Takeoff point: GHOST's initial spot on the ground prior to flying

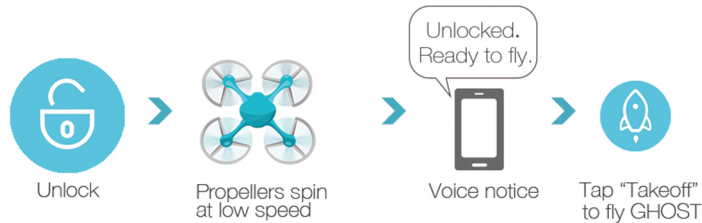
Flight starting point: 10m above takeoff point

The map above is for indicative purpose only. The actual map may differ.

Buttons can't be used when in grey

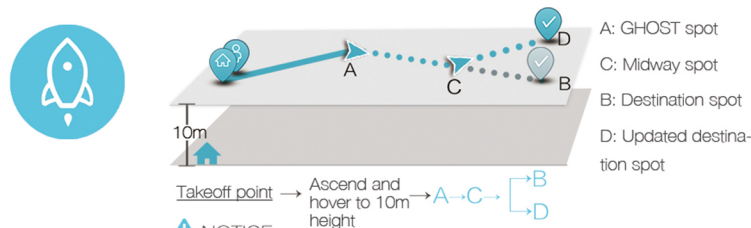
APP FUNCTIONS

1. UNLOCK



GHOST will beep if flight command is not received in three min and thirty seconds. This is a normal notice. You can tap "TAKEOFF" or unplug the battery to extinguish this notice.

2. TAKEOFF



NOTICE

- When satellite number > 6, GHOST can take off normally. When user's smartphone connects to Internet, the interface will display the positions of user and GHOST on the GPS map.
- See picture above: A is GHOST's spot. Click any destination (B) on the map to direct GHOST. If the destination is updated in midway, GHOST will fly from current spot C to the updated destination D.

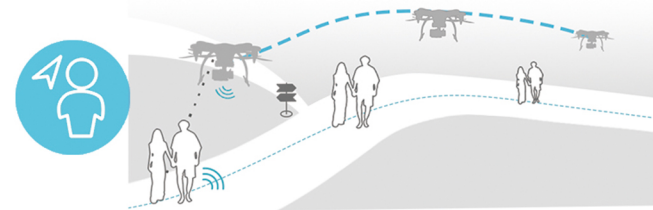
3. HOVER



NOTICE

- Tapping Hover in any status will terminate the previous command and keep GHOST hovering.
- Ascend/Descend is not available during flight.
- Estimate the height of barriers to avoid crushing.
- Micro-control is available only in hovering status.

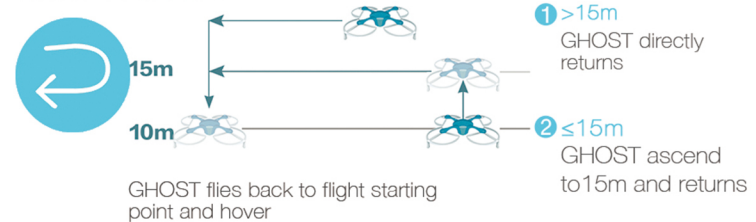
4. FOLLOW



NOTICE

- GPS on smartphone is required to activate this feature.
- Available only in HOVERING status.
- At minimum 3m horizontal distance between the smartphone holder (with the G-Box), GHOST begins to follow the user automatically. The farther apart GHOST is from the user, the faster GHOST flies (maximum speed: 18km/h).
- To stop, user should lower his/her pace gradually. (Do not stop immediately, or GHOST will over the user at high speed.)
- To terminate auto following, tap any available button on screen.
- Investigate surroundings before using auto follow (GHOST cannot automatically dodge).
- While climbing, adjust GHOST's height accordingly (GHOST cannot automatically adjust height).

5. RETURN

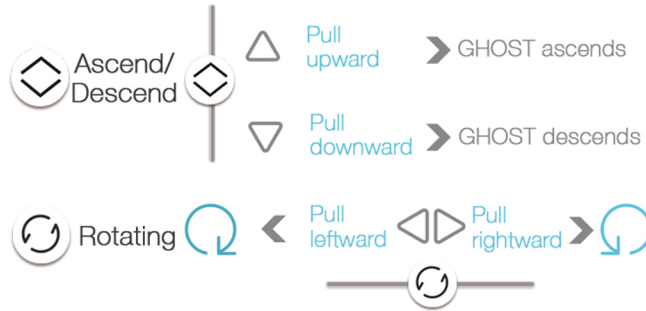


NOTICE

- Two situations of return: ① Ghost's height is over 15m above takeoff point ② Ghost's height is less than 15m above takeoff point.
- Heights in this illustration are the vertical distance above takeoff point.

COMMUNICATION

6. ASCEND/DESCEND/ROTATING



NOTICE
Height control is only accessible in hovering status. During flight, the height control bar is hidden on right side of the APP interface.

7. GIMBAL

Horizontal sidebar Gimbal tilts right and left (no automatic reposition after release)

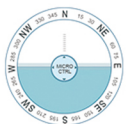
Vertical sidebar Gimbal tilts upward and downward (no automatic reposition after release)

8. LAND



9. MICRO-CONTROL

MICRO-CTRL enables accurate landing.



GHOST will move horizontally. Red lights mark the front, blue lights mark the rear. Drag in the virtual compass to the destination spot and release to direct GHOST to the destination.

After assembling parts, open GHOST App and connect smartphone, G-Box and GHOST.



App
Open Bluetooth of smartphone/tablet, connect smartphone/tablet with G-Box through Bluetooth. App communicates with G-Box after successful connection.



G-Box
G-Box communicates with GHOST through wireless radio.



GHOST

