

IN**G**

SPEEDBIRD mini 120E

User Guide



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IMPORTANT: Check your license requirements with the FAA before you fly.
https://www.faa.gov/uas/getting_started/register_drone/

Product Description

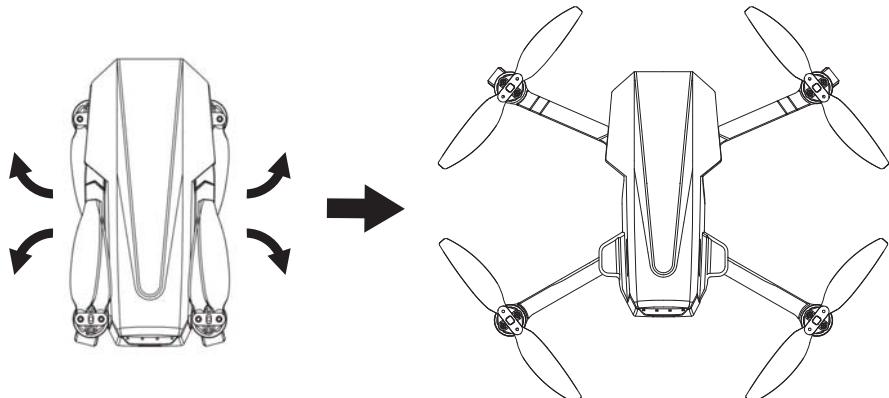
Introduction

SPEEDBIRD mini I20E is equipped with optical flow and GPS and is capable of hovering and flying steadily indoors and outdoors. It is equipped with automatic return home and easy-to-use intelligent flight, such as Orbit Flight, Follow-Me and Waypoint Flight. It can shoot 2.5K HD video. The drone has functional buttons that can control various operations and settings of the drone and camera. The App will display real time HD images and flight information. Always put safety first when flying. Enjoy your ING SPEEDBIRD mini I20E.

Prepare the Drone

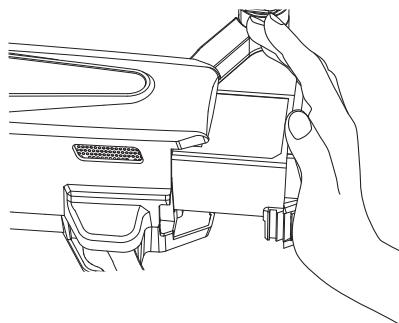
Expand the Arms

Carefully unfold the arms in the direction of the arrows below.



Install Drone's Battery

Before installing the battery for flight, make certain it is fully charged. Push the battery into the drone's battery cavity, make sure that the battery is installed correctly.

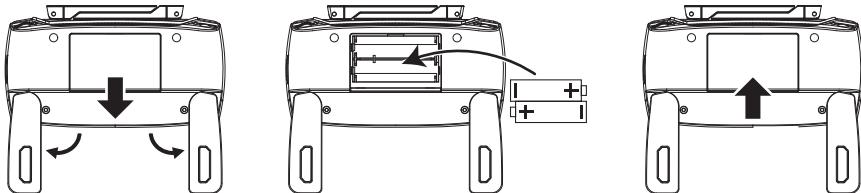


Reminder: If the battery is not installed properly, it may cause the drone to fall down due to power failure.

Prepare the Controller

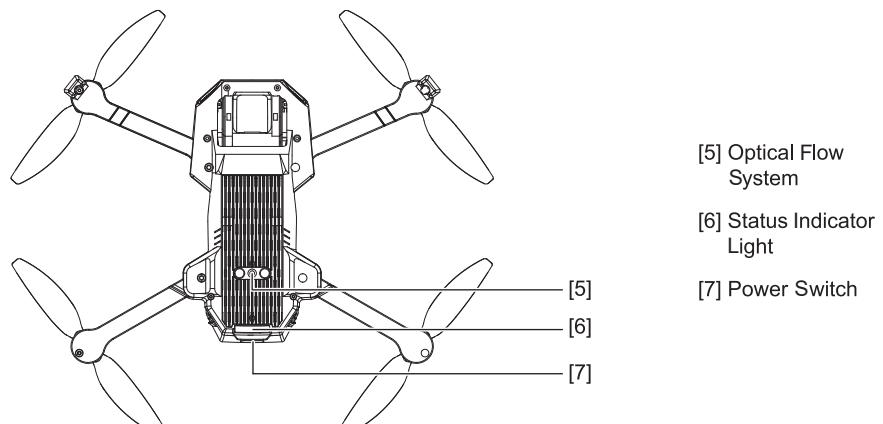
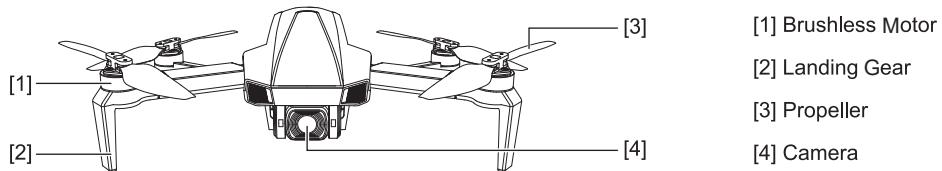
Install the Controller's Battery

Open the battery box, insert 2*AA batteries correctly according to the polarity in controller, then close the battery box.

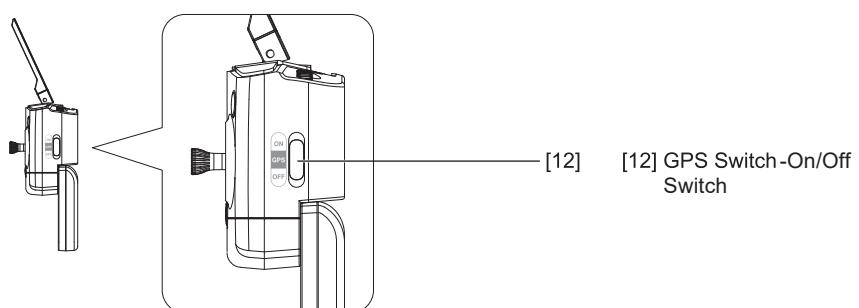
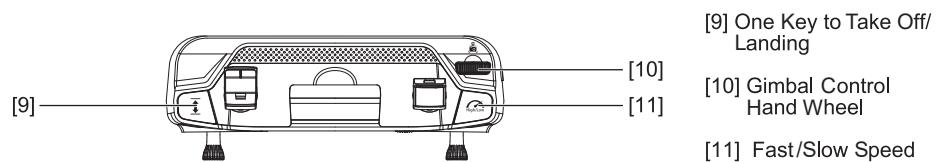
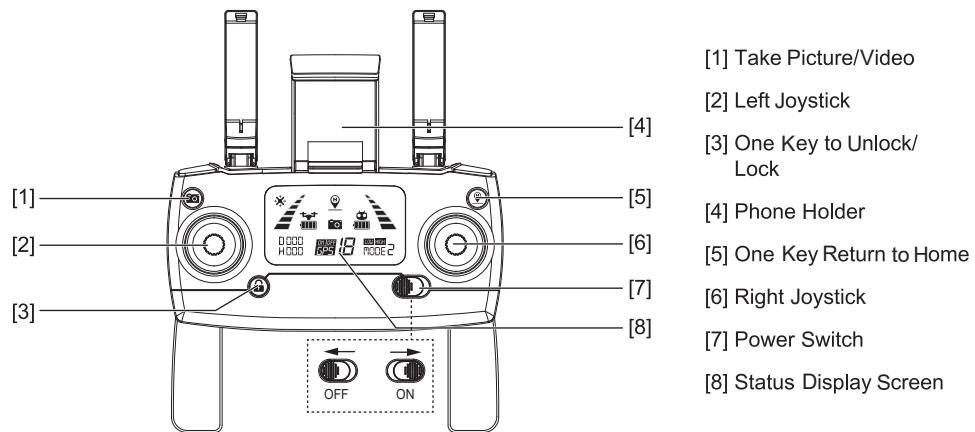


- The controller uses 2*AA Non-chargeable batteries or AA chargeable batteries. (Please purchase separately)
- Please ensure the polarity of the batteries is correct with the symbols inside the battery cavity of the controller.
- Rechargeable batteries cannot be charged while inside the controller. Please remove them and charge in an appropriate battery charger.
- Warning: do not use batteries that have higher power ratings than the required 1.5 V as they may harm the controller.
- Remove batteries if you do not plan on flying for an extended time to avoid battery leakage.

Parts Name



mini I20E User Guide



Drone

Flight Mode

The following flight modes are available on the mini I20E.

GPS Mode

In GPS Mode, the drone achieves precise hovering by receiving GPS signals. If the GPS signal is weak, the drone will enter Fix-Altitude Mode or Optical Flow Position Mode.(Please refer to the status bar for specific status in the App.)

When the GPS signal is weak, please land to in a safe place immediately to avoid an accidents. At the same time, please avoid flying in an area with a weak GPS signal or a narrow space to avoid accidents. If you cannot receive the GPS signal or if the GPS is turned off, the drone will enter the Optical Flow Position mode

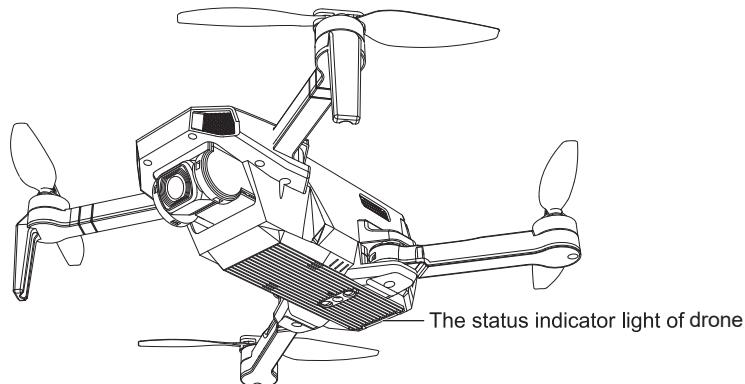
If there is no GSP signal, the flight altitude limit is 3 meters.

Optical Flow Position Mode

If you cannot receive the GPS signal or if the GPS is turned off, the drone will enter the Optical Flow Position mode. In this mode, the drone can hover stably by using the optical flow system.

The maximum height of the Optical Flow Position is 10 ft. If you exceed this height, the drone will lose control.

Status Indicator Lights on Drone



Status Indicator Light Definitions

No.	Indicator light status	Meanings
1	Indicator light flash yellow quickly.	Drone and controller have not connected.
2	Drone indicator light stays yellow.	No GPS signal.
3	Drone indicator light stays yellow.	Good GPS signal, available to enter into GPS Mode.
4	Indicator light flash green quickly.	Drone is in gyroscope calibration.
5	Indicator light flash yellow.	Drone is in geomagnetic horizontal calibration.
6	Indicator light flash green.	Drone is in geomagnetic vertical calibration.
7	Indicator light flash red slowly.	Drone is close to low battery, only 16% power left.
8	Indicator light flash red quickly.	Drone has low battery, only has 12% power left.
9	Red indicator light flashes once, then stops for 1.5 seconds.	Gyroscope has a malfunction.
10	Red indicator light flashes twice, then stops for 1.5 seconds.	Barometer has a malfunction.
11	Red indicator light flashes three times, then stops for 1.5 seconds.	Compass has a malfunction.
12	Red indicator light flashes four times, then stops for 1.5 seconds.	GPS has a malfunction.

Return Home Automatically

Mini I20E is equipped with a Auto Return Home function. It includes One key Return to Home , Return Home in low battery power and Return Home when signal has been lost. Under good GPS signal, drone will automatically fly back to home position and land automatically after pressing Return Home key.

	GPS	Description
Home Point		In taking-off or flight, when the GPS signal reaches more than 7 for the first time, the current position of the drone will be recorded as the home point. When this occurs all indicator lights change from yellow to green.

One Key to Return Home

When the GPS signal is good (the No. of satellites is more than 7), you can press “” button to start the return home. To cancel return-home, press “” again and the drone will return to flight control mode.

Return Home in Low Power

1. When the red indicator lights flash slowly, the Power icon on the controller shows “” ; if the flight altitude is between 98 and 328 ft, the drone will return to the home point automatically.
2. When the red indicator lights flash quickly, the Power icon on the controller shows “” and a continuous beeping sound is emitted; if the flight altitude or distance is greater than 49 ft, the drone will return to the home point automatically.

Return Home Beyond Control Distance

When the GPS signal is good (the No. of satellites is more than 7), the compass situation is good. If the signal of controller is interrupted for more than 6 seconds without app control, the flight control will take over the control of the drone and the drone will fly back to the home point. If the controller signal of the controller is restored during flight, the return home will continue, while the user can cancel it by pushing the return home button on controller to regain control of the drone.

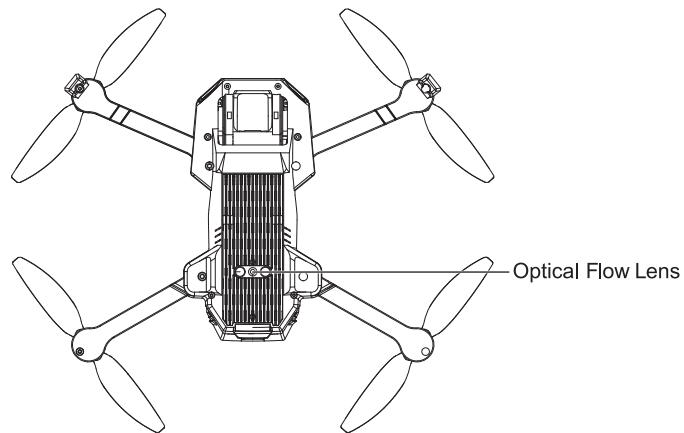


Notes on Return Home Mode:

- Please be aware that when the drone is in Return Home Mode, it will fly straight to the home point and will not be able to avoid obstacles.
- In Return Home Mode return home, if the flight altitude is higher than 49.2ft, the drone will return home immediately, otherwise, the drone will raise up to 49.2ft, then perform the return home (In app, the return altitude can be set 49.2~65.6ft)
- When the GPS signal is weak or not working, or has been interrupted for more than 6 seconds, the drone will not be able to return to the home point. It will descend slowly until landing, then it will lock.

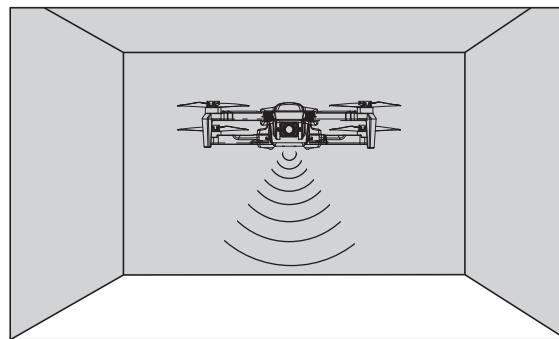
Optical Flow System

The Optical Flow System is composed of optical flow lens modules. It is an image positioning system that locates the aircraft by optical flow images. It ensures the accurate positioning and safe flight of the drone.



Usage Requirements of Optical Flow Positioning

Please note, Optical Flow Positioning works when flying at altitude below 9.8ft.



Measurement accuracy of the Optical Flow System (OFS) is easily affected by light intensity and texture of the surface. If the OPS fails the drone will automatically switch to fixed altitude mode. Below is a list of conditions that can cause failure to the OFS:

1. Flying fast at low altitude (below 16ft).
2. Flying over monochrome surfaces such as pure black, pure white, pure red etc.
3. Flying over surfaces with strong reflections.
4. Flying over water or transparent surfaces.



5. Flying over moving objects such as upside of clouds, swaying trees or grasses, etc.
6. Flying over surfaces with rapid light changes.
7. Flying over extremely dark surfaces (Lux<10) or extremely bright surfaces (Lux>10,000).
8. Flying over very smooth surfaces.
9. Flying over surfaces with significant repeated textures such as same color brick.
10. Surfaces that are angled over 30 degrees.

For best results with OPS, maintains moderate drone flying speed without rapid changes.
Recommended speeds:

Altitude	Max speed
1	<16ft./s
2	<26ft./s

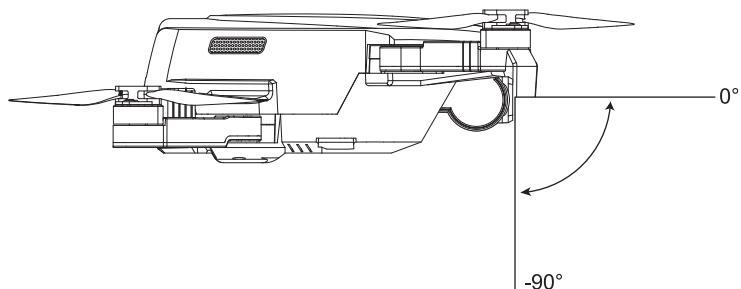
OPS Check List & Requirements

- Ensure the OPS lens is clear.
- The OPS is only effective in altitude less than 9.8ft.
- The surface area must have sufficient light source and rich textured ground.
- In dim light conditions, turn on the Optical Flow Fill Light.

Camera

Camera Description

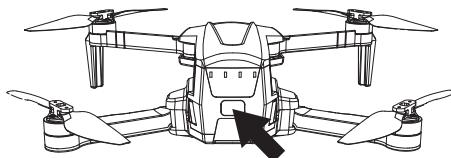
The Uniaxial gimbal provides a stable platform for the camera, ensuring the camera can shoot clear images even at high speeds. The default shooting angle is -90° to 0°. The angle can be adjusted through the drone handwheel or through APP camera interface.



- Please place drone on flat open ground for takeoff. Do not touch the gimbal after the power is turned on.
- The gimbal contains precision parts which may be easily damaged. Please handle with care.
- Please keep the gimbal clean and away from sand, rocks and similar contaminants to keep it moving smoothly.
- Avoid landing in rough areas to protect the gimbal.
- Do not add or attach anything to the gimbal.
- Unlock gimbal protection lock before flying and lock it to protect it when storing and carrying.
- Flying in heavy fog or clouds may cause condensation on the gimbal. Please dry lens with a soft cloth suitable for cleaning camera lens.

Drone Power Switch

Press the power button for 3 seconds to turn the drone on or off. At the same time, the drone will play a power-on sound and the indicator light stays on. Press the power button for 3 seconds again, the drone will turn off and the indicator light will turn off.



Drone Battery

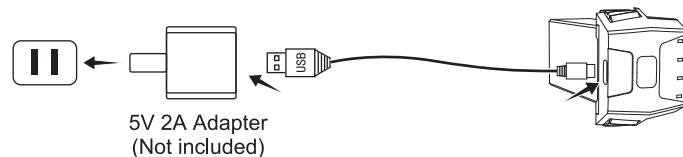
The Mini I20E is equipped with a High Energy Battery. The capacity of the battery is 1820mAh and the rated voltage is 7.7V.

USB to Type C Charging

Please charge the battery fully before using it. Be sure you use a officially supplied USB charging cable to charge. The charging time is about 2,5 hours.

- Power off: The battery indicator light will flash.
- Charging: The battery indicator light will flash in turns.
- Fully charge: The battery indicator will stay on.

*The above charging data is based on 5V 2A adapter. Using the different adapter will affect the charging data. Recommend using 5V 2A-2.1A adapter to charge.



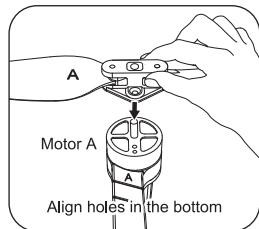
- Please charge the battery under adult supervision.
- Prevent explosions by not squeezing or short-circuiting the battery.
- Do not remove the power cord from drone to prevent battery from short-circuiting. Do not disassemble battery or place near high temperatures or heated areas such as fires or electric heating devices.
- Check the power cord, shell and other parts regularly. If any damage occurs, repair damage before using.
- Charger is meant for indoor use only.
- After each flight, the battery should be charged halfway and then stored until used again. For long term non-usage, it is recommended to use the battery completely and charge it once a month to prevent damage from overcharging.

Assemble / Disassemble the Propellers

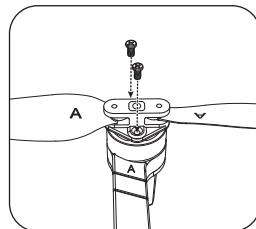
Assemble/Disassemble the propellers

•Assemble

Match corresponding propellers (A with A and B with B), then turn screws clockwise to tighten them. (As shown in Pics 1-2).



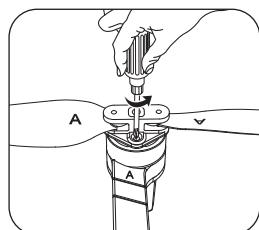
Pic. 1



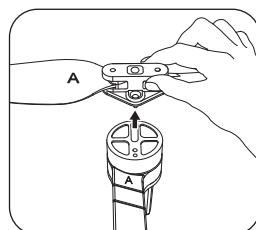
Pic. 2

•Disassemble

Turn screwdriver counterclockwise to remove the 2 screws and propellers. (As shown in pics. 3-4).



Pic. 3



Pic. 4



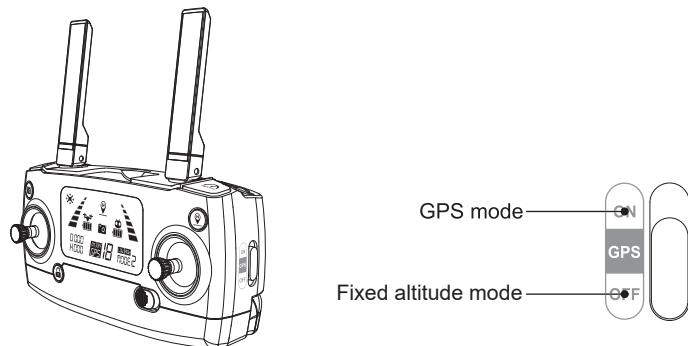
- Drone will not fly if propellers are installed incorrectly.
- Handle propeller blades carefully to prevent scratches.
- To ensure optimal safety and performance, only use the official ING propeller blades.

Controller

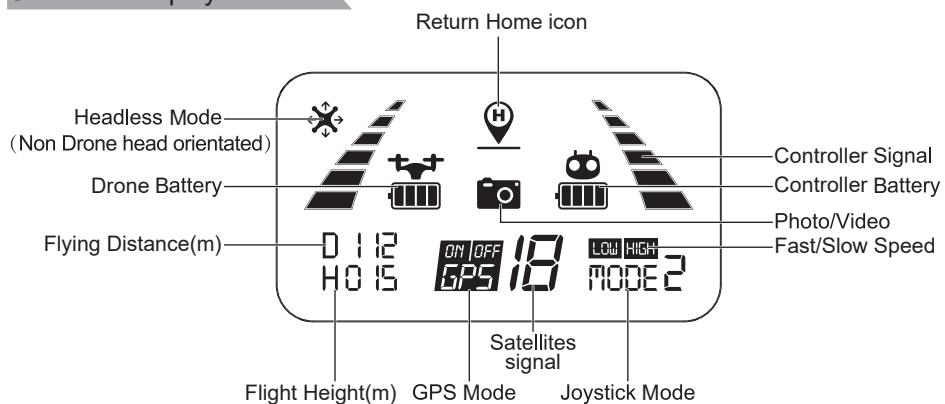
Controller Function

Flight Mode Switch

Use the button on the right side of the controller to control GPS and flight mode.
The "GPS" on controller screen displays the current flight mode.

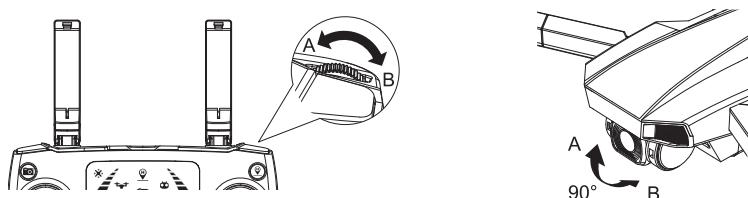


Controller Display Screen



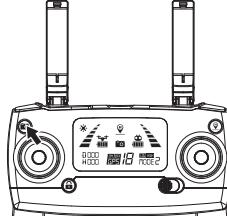
Gimbal Control Wheel

Adjust the camera angle by moving the wheel on the drone to get a better photography experience.
When the wheel is turned counterclockwise, the camera angle will be adjusted upward; when the wheel is moved clockwise, the camera angle will be moved downward.



Photo/Video Mode

Press the “” button on the controller to take a photo and the “” button will flash once.
Press the “” button on the controller for 3 seconds to take a video and the “” button will flash slowly continuously. Hold the “” button for 2 seconds again to stop shooting video.



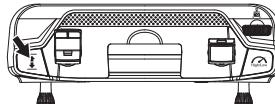
Notes: 2.5K HD photos and videos cannot be saved without a Micro Memory Card (Class 10-UHS-II).
If the Micro Memory Card is inserted incorrectly, the drone won't be able to take photos or video.

One-Key Takeoff/Landing

After unlocking the Mini I20E, press the “” button once and the drone will takeoff automatically and hover at an altitude of 5ft.

When the drone is hovering, hold the “” button and the drone will automatically land.

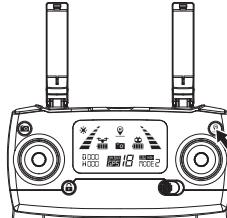
Remark: During one-key take-off progress, user can press joystick to cancel auto takeoff command immediately.



One-Key Return to Home

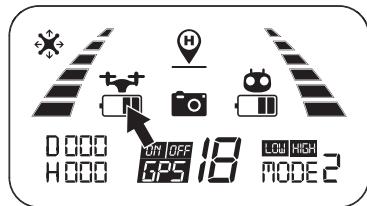
Press the “” button until a beep sound occurs, to turn Auto-Return Home on. The drone will return to the last saved home point.

Press the “” button again to stop Auto-Return Home.

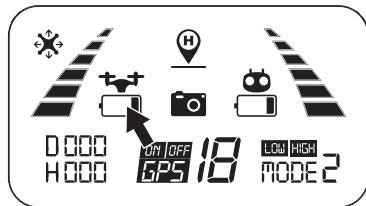


Drone Low Battery Warning

1. When the battery level drops to level 2, the indicator light on the drone will quickly flash red and the battery icon on the controller screen will show "■■". If the drone is flying at an altitude higher than 98ft or a distance further than 328ft, it will automatically return to the last saved home point.
2. When the battery level drops to level 1, the indicator light on the drone will quickly flash red and the battery icon on the controller screen will show "■■■", while playing a continuous beeping sound. If the drone is flying at an altitude higher than 15 meters or at a distance further than 15 meters, it will automatically return to the last saved home point. If the altitude is lower than 15 meters or the distance is less than 15 meters, the drone will land directly where it is flying.



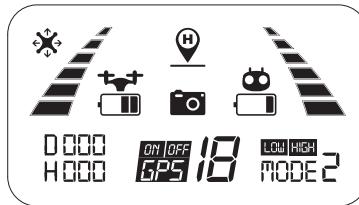
Pic. 1



Pic. 2

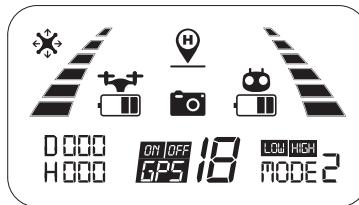
Controller Low Battery Warning

When the controller battery is low, the "Battery" icon will appear on the controller screen and it will play a continuous beep sound. When this occurs, replace the batteries.



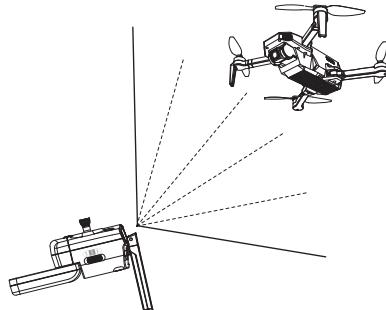
Signal Strength

- The "Signal" icon displays signal strength and the higher the bars, the stronger the signal is and the lower the bars are, the weaker the signal is.
- If the "Signal" icon regularly changes from weak to strong, that means the drone is signal matching.
- If the "Signal" icon shows less than 2 or no bars at all:
 - 1) The distance between the controller and the drone is too far for the signal to reach.
 - 2) The drone battery icon has been empty "■■■" after signal matching has happened.



Drone Communication Range

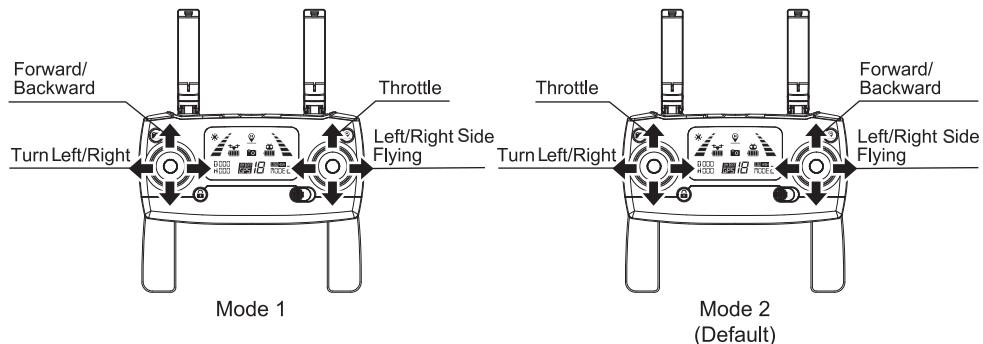
Keep the drone in front of the controller and prevent any obstacles from appearing between them.



Best communication range

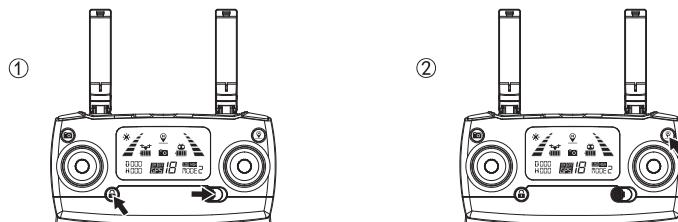
Controller Joystick Mode

Joystick mode



Joystick Mode Switch

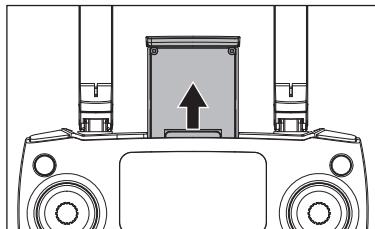
1. Press and hold the unlock button on the controller, then turn it on to activate signal matching mode.
2. Hold the "  " button for 3 seconds and the controller mode will switch to the other mode. The current controller mode will be displayed on the screen with Mode 2 being the default mode.



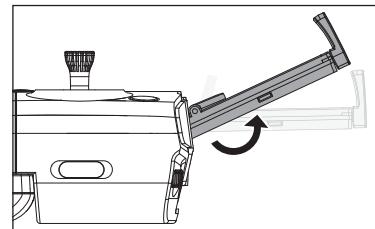
Reminder: Make sure the controller is in signal matching mode in order to switch modes, if not, mode switching will not occur.

Assemble Phone Holder

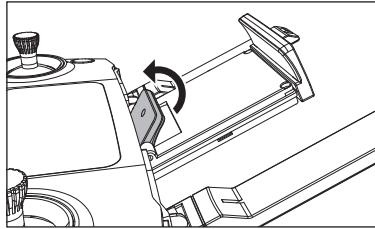
1. Pull up the phone holder completely (Pic. 1).
2. Rotate the phone holder up 30° (Pic. 2).
3. Rotate and fix support board in to place (Pic.3).
4. Move components up and down to adjust the size to fit your phone. (Pic.4).



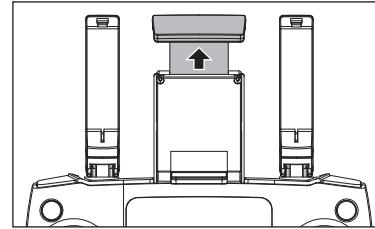
Pic. 1



Pic. 2



Pic. 3



Pic. 4

M RC PRO APP

FPV Real Time Transmission Software

Scan Code To Download APP

- Search M RC PRO in the Apple App Store or scan the QR code to download and install it.
- For Android users, scan the QR code to download and install it.

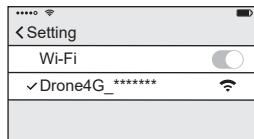


 App Store

 Google play

Connection Instructions

Go to the Settings app on your phone, then turn on the WiFi and connect to Drone4G_***** and wait for the word "Connected" to appear. Once connected, the app can be opened.



Connect WIFI

Saving Photos and Videos

1. Without a memory card, photos and videos will be saved to the album in the app. (These photos and videos will only have the quality that the phone provides)
2. With a memory card installed, photos and videos will be saved to it.
3. Photos and videos saved to the memory card can be downloaded to the app.



Reminder: Only mobile phones that support 5G WIFI (802.11.ac) can connect to FPV.

Flight

Flight Requirements

1. Do not fly in bad weather, such as strong wind, snow, rain, fog, etc.
2. Choose an open place without tall buildings around to fly. Buildings that use a lot of steel bars will affect the work of the compass and block the GPS signal, causing poor positioning of the drone or even an inability to locate the drone.
3. When flying, keep the drone in sight, stay away from obstacles such as crowds, water, etc.
4. Do not fly in areas with high-voltage lines, communication base stations or controller towers, to avoid interference with the drone.
5. When flying at the place whose altitude is above 19,685ft, the performance of the drone battery and power system will decrease, and the flight performance will be affected correspondingly. Please fly with caution.
6. The drone cannot use GPS to fly in the north and south poles.

Flight Restrictions and Special Area Restrictions

According to the regulations of the International Civil Aviation Organization and Air Traffic Control regulations about airspace control and drone management of various countries, drones must fly in their specified airspace. For flight safety, the flight restriction function is turned on by default, including altitude and distance restrictions and special area flight restrictions, to help users fly the drone safely and legally.

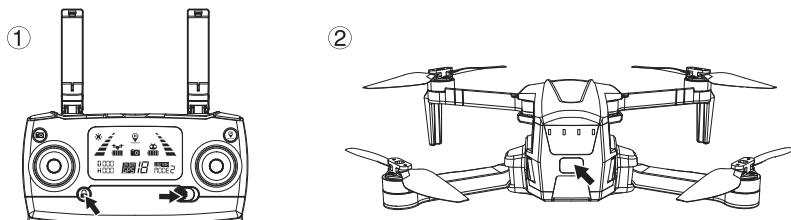
Pre-Flight Inspection

1. Check that the controller, controller battery and phone are all fully charged.
2. Check that the propellers have been installed correctly.
3. Check that the front and rear arms of the drone and propellers have been fully unfolded.
4. After turning the power on, check to see that the camera and gimbal are working.
5. Make sure the camera lens is clean.
6. Only use official or officially certified accessories. The use of unofficial accessories may damage the drone.

Drone Operation

Controller and Drone Signal Matching

- ① Press and hold the lock button and turn on the controller. Once it begins to beep, release the lock button. The signal strength icon will begin changing from weak to strong while the drone signal matches.
- ② Install the drone battery, press and hold the power button for 3 seconds to turn on the drone. The drone will play a power-on sound and the indicator light will then turn on. After signal matching, the drone will play a long beep sound and the signal icon will display the current signal strength after successfully signal matching.

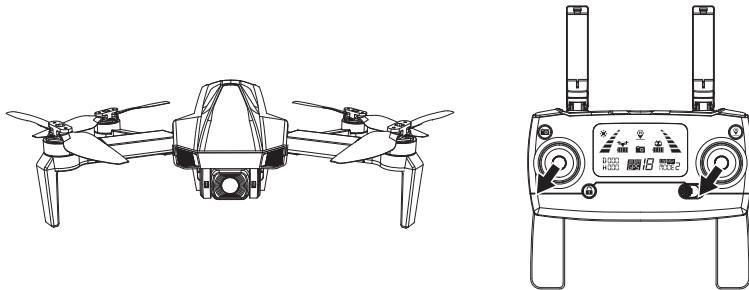




- As long as the controller and drone have been successfully matched, there is no need to rematch the signal after each use unless you have matched with another controller and/or drone.
- When matching the signal, make sure no other controller or drones have been turned on nearby, this will interfere with signal matching.

Gyroscope Calibration

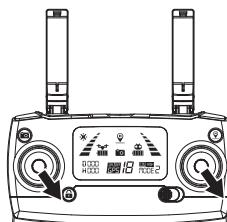
After successfully signal matching, place the drone horizontally on the ground. Push the left and right joysticks to the bottom left at the same time. The front and rear lights on the drone will flash quickly as the gyroscope begins to calibrate. Once the indicator lights stays on, calibration has been completed.



- During gyroscope calibration, the drone should be placed horizontally on the ground, otherwise flight performance will be affected.
- As the gyroscope has been calibrated before shipping, only recalibrate it if flight performance is poor.

Geomagnetic Calibration

Before unlocking the drone, move the left and right joysticks to the bottom right at the same time to start geomagnetic calibration.

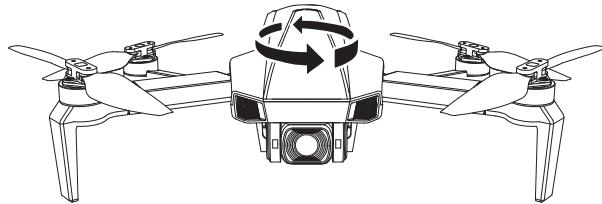


Two Steps Of Geomagnetic Calibration

Step 1: Horizontal Calibration

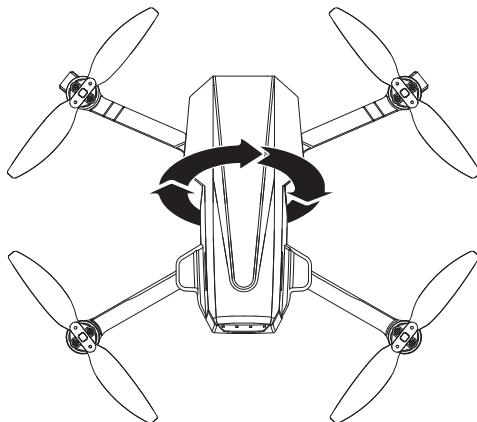
Once horizontal calibration begins, the front and rear indicator lights will flash yellow.

Place the drone as shown below and rotate it 3 times horizontally until the front and rear indicator lights quickly flash green. Once this happens, horizontal calibration will be complete.



Step 2: Vertical Calibration

Place the drone as shown below, rotate it 3 times vertically, until the front and rear indicator lights stay red. Once this happens, vertical calibration will be complete.



Reminder:

- Ensure that the flight place is open and the satellite signal is greater than 7 satellites before take-off.
- In GPS Mode, if the drone cannot hover at a fixed point or the flight performance is poor, re-calibrate the geomagnetic sensor, to improve flight performance.



- Do not calibrate in areas with strong magnetic fields such as : magnetic mines, parking or building areas with steel bars underground, etc.
- Do not carry ferromagnetic materials, such as keys, phones, etc. with you during calibration.
- Do not calibrate near large pieces of metal.

Unlock/Lock the Drone

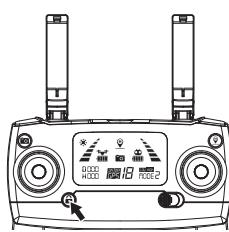
Unlock the Drone

Press the lock button, once the motor starts, the drone will be unlocked.

Lock the Drone

Method 1: After the drone has landed, move the throttle to the bottom for 3 seconds to stop the motor and lock the drone.

Method 2: The drone will lock automatically after 15 seconds of non-use.



Emergency Stop:

- When the drone is flying at a distance/altitude within 16ft, press the lock button “” for 3 seconds to stop it.
- This function is only for emergencies and should not be used during normal flight.

Operate The Drone

Controller	Drone	Controller	Drone

Basic Flight

The Steps of Basic Flight

1. Place the drone on a flat and open space with the user facing the rear of the drone.
2. Turn on the controller and the drone.
3. Match the signal of the controller and drone, and complete the initialization of the drone.
4. Open the M RC PRO APP, connect the phone to the mini I20E, and enter into the camera interface.
5. Unlock the drone.
6. Slowly move the throttle stick up and the drone will take off smoothly. Use the left and right joysticks to control the drone.
7. Pull down the throttle stick to lower the drone.
8. After landing, pull the throttle stick to the lowest position and hold it for more than 3 seconds until the motor stops.
9. After stopping, turn off the drone and the controller.

Tips

1. Perform a pre-flight inspection.
2. Select the appropriate gimbal camera angle.
3. Fly and take photos in a good weather without wind.
4. Perform a test flight to create a planned route and find a place to take a view of.
5. Push the joystick as smoothly as possible to ensure the drone flies smoothly.



As flight safety is very important to you, those around you and the environment, please read the user guide carefully.

Appendix

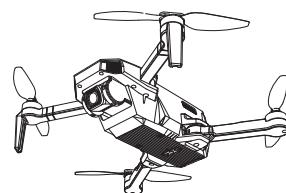
Drone Specification

Drone	
Weight (The Battery and Propellers Included)	mini I20E: ≤0.57lbs
Dimension	Fold: 5.5x3.4x2.2 inches (LxWxH) Unfold: 12.2x10.6x2.2 inches (LxWxH)
Diagonal	9 inches
Maximum Ascent Speed	10ft./s
Maximum Descent Speed	6.6ft./s
Maximum Speed	25mph
Flight Height Limitation	120m (394ft)
Maximum Tilt Angle	35°
Maximum Rotational Angular Speed	45°/s
Operating Temperature Range	32-104°F
GNSS	GPS
Hovering Accuracy Range	Indoor: ± 1ft Vertical ± 1ft Horizontal Outdoor: ± 2ft Vertical ± 2ft Horizontal
Frequency	2.4GHz/5GHz
Transmission Power (EIRP)	<20dBm
Gimbal	
Controllable rotation range	Pitch angle: 0° to -90°
Controller	
Frequency	2.4GHz
Max Transmission Distance	≥ 600m(≥1968 feet)
Working Temperature Range	32-104°F
Battery	AA*2pcs(not included)
Transmission Power (EIRP)	2.4GHz≤20dBm
Working Current/Voltage	200mA@3V
Drone Battery	
Capacity	1820mAh
Voltage	7.7V
Battery Type	Li-po
Power	14Wh
Weight	about 0.2lbs
Charging Temperature Range	41-104°F
Charging Current	2A (Max)
Charging Time	150 minutes

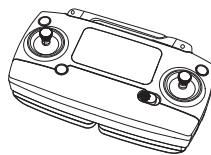
APP/FPV Real Time Transmission	
APP Name	M RC PRO
Transmission System	WIFI 5GHz
Real Time Transmission	720p
Delay Time	200-300ms
The System Version	iOS 9.0 or Higher
Requirements of the Phone	Android4.4 or Higher

Packing List

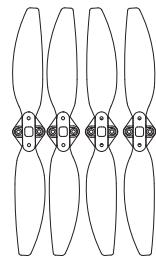
The full package contains the following items.



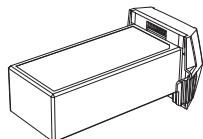
Drone *1



Controller *1



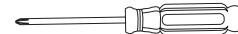
Propellers *4



Drone Battery *1



USB Cable *1



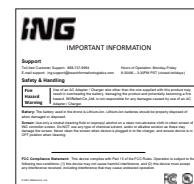
Screwdriver *1



User Guide *1



Quick Start Guide *1



Warranty Card *1

Important Statement

- This product is not a toy, but a precision device that integrates professional knowledge of machinery, electronics, aerodynamics, and high-frequency emission. It requires proper installation and debugging to avoid accidents. The product holder must operate and control it in a safe way. Otherwise, it may cause serious personal injury or property damage.
- This product is suitable for people who have experience in operating model drone and at least 14 years old.
- If there are any problems with use, operation, maintenance, etc., please contact your local dealer or relevant personnel of our company. Our company and the seller are not responsible for any loss and damage caused by improper use or operation, as well as human injury.
- The product contains small parts, please keep it out of the reach of children to avoid the risk of ingestion or suffocation.

Safety Precautions

Remote control drone's have an uncertain flight speed and state during flight and is potentially dangerous. Please keep it away from the crowd when flying. Improper assembly or damage to the drone body, poor electronic control, and unfamiliar operation may cause unpredictable accidents such as drone damage or personal injury. Operators must pay attention to flight safety and understand their responsibility for accidents caused by their own negligence.

• Stay away from obstacles and people

Remote control drone has an uncertain flight speed and state during flight, is potentially dangerous. When flying, please stay away from crowds, high-rise buildings, high-voltage power lines, etc., and avoid flying in bad weather such as wind, rain, and lightning. Debugging and installing the drone must strictly follow the operating instructions. Pay attention to keeping the drone at a distance of 3-7 feet away from the user or other people during flight, to avoid the drone from crashing into the head, face and body of the person when flying or landing, and causing injury.

• Keep away from humid environment

The inside of the drone is composed of many precision electronic components and mechanical parts. Therefore, it is necessary to prevent the drone from getting wet or moisture into the body, avoiding accidents caused by mechanical and electronic component failure. Please wipe the surface stains with a clean cloth during maintenance.

• Practice flying together with skillful pilot

There is a certain degree of difficulty when first learning to fly a remote controlled drone. Don't fly alone but with an experienced person.

• Use this product properly

Please use original parts for installation or maintenance to ensure flight safety. Operate and use within the scope permitted by the product function, and must not be used for other illegal purposes.

• Safe Operation

1. Please operate the remote control drone according to your own flying skills. Fatigue, or improper operation will increase the probability of accident.
2. Do not use it near your ears! Misuse may cause hearing damage.

• Keep away from high-speed rotating parts

When the drone propellers are rotating at high speed, please keep the pilot, surrounding people and objects away from the rotating parts to avoid danger and damage.

● **Keep away from heat source**

The remote control drone is composed of metal, fiber, plastic, electronic components and other materials. Therefore, it is necessary to keep away from heat sources, avoid deformation or even damage due to high temperature.

● **Environmental protection requirements**

Improper disposal of the product may damage the environment. Please recycle it properly according to local laws and regulations.

Discard the product at will, which may affect the environment.

FCC compliance statement

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.

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.

FCC Radiation Exposure statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

