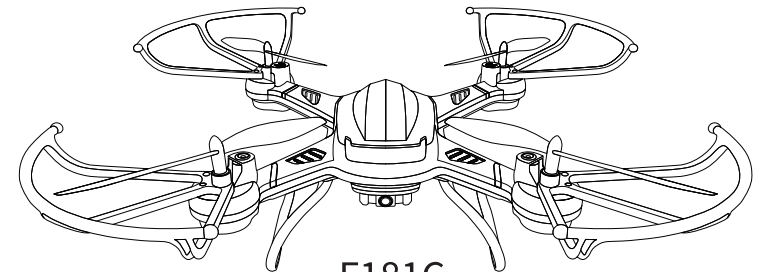


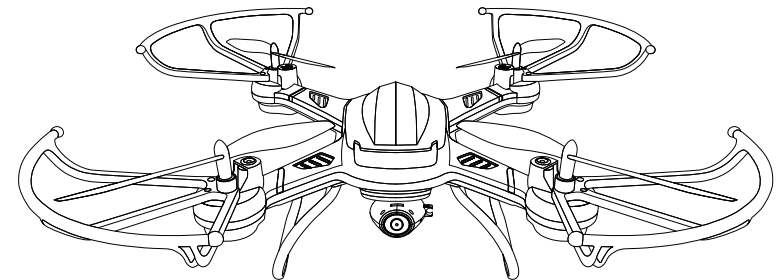


Instructions For Use

14⁺
age



F181C



F181W



usa@holystone.com (USA) eu@holystone.com (EU)
ca@holystone.com (CA) jp@holystone.com (JP)



1(855) 888-6699

Contents

1. Disclaimer&Warning	1
2. Safety Guidelines	1
3. Maintenance	3
4. Package Contents	4
5. Drone's Details	5
6. Transmitter Functions	
MODE1	5
MODE2	6
7. Installation	
Transmitter Battery	6
Landing Gear	7
Protection Guards	7
Camera Holder	8
Drone's Battery	8
8. Charge the Li-Po Battery	9
9. Flight	
Pair the Drone	10
Calibrate the Gyro	11
One Key Start/ Landing	11
Flight Control	12
10. Altitude-Hold Function	12
11. Trimmer	13
12. Speed Switch	14
13. Emergency Stop	14
14. 360 ° Flip	15
15. Headless Mode/ One Key Return	16
16. FPV Real-Time Function	17
17. Specification	18
18. Trouble Shooting	20
19. Contact Us	21
20. General Information	22

< DISCLAIMER & WARNING >

1. Please read this disclaimer carefully before using our product. This product is not recommended for people under the age of 14. By using this product, you hereby agree to this disclaimer and signify that you have read it fully. You agree that you are responsible for your own conduct and any damage caused while using this product, and its consequences. You agree to use this product only for purposes that are proper and in accordance with local regulations, terms and all applicable policies and guidelines Holy Stone may make available.

2. When using this product, please be sure to strictly abide by the specification requirements and safety guidelines stated in this document. Any personal injury property damage, legal disputes and all other adverse events caused by the violation of the safety instructions or due to any other factor, WILL NOT be Holy Stone's responsibility.

< SAFETY GUIDELINES >

1. Check Before Use

- This product is not a toy, but it is a high precision drone that integrates various electronic stability and control mechanisms. Please be sure to setup this drone carefully and correctly to ensure safe, accident-free operation.
- Please be sure that the batteries of the drone and transmitter are clean, undamaged and have enough power.
- Please be sure that all the propellers are undamaged and are installed in the right orientation.
- Please do a thorough check of the product before each use. Check for firmness of the parts, any signs of cracks and wear of the propeller, battery power and effectiveness of the indicator, etc. If after doing a complete check any issues are found, please refrain from using the drone until the issue has been taken care of. Incorrect assembly or poor control by inexperienced pilots can result in damage to property or harm to people in an accident. Be fully aware of your surroundings when flying and always maintain complete control of the device at all times.

2. Flight Environment



+



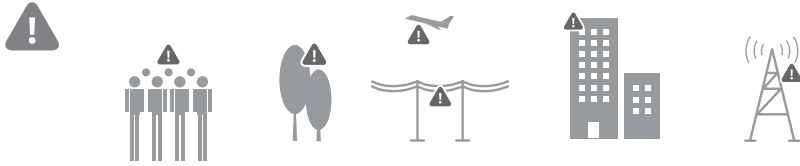
+



Fly in Open Areas

**Maintain Line
of Sight**

**Fly Below
328 feet (100 m)**



Avoid flying over or near obstacles, crowds, high voltage power lines, trees, airport or bodies of water.

DO NOT fly near strong electromagnetic sources such as power lines and base stations as it may affect the onboard compass.



DO NOT use the drone in adverse weather conditions such as rain, snow, fog and strong wind.

3. Operations Requirements

- Please don't use this device to follow any moving vehicles .
- When flying, only turn off the motor in case of an emergency.
- Please flight the drone back to you as soon as possible when the battery is running low.
- This device should not be used while drinking alcohol if you are feeling fatigued, taking medicine, or feeling any physical discomfort.
- Stay away from the rotating propellers and motors.
- Beware of the noise volume the drone produces. Keep your distance to avoid ear damage.



No Fly Zone

Stay away from the rotating propellers and motors.

4. Use of Battery

- Please ensure batteries are fitted in the correct orientation as shown in the instructions manual.
- Avoid short circuits by fitting the batteries incorrectly, and do not crush or squeeze the batteries as this could carry the risk of an explosion.
- Do not mix new and old batteries as this can lead to a poor performance of the product.
- Dispose of used batteries carefully, do not litter.

- Please keep dead batteries away from heat and fire.
- If the device is not going to be used for an extended period of time, remove batteries to prevent potential damage from battery leakage.
- It is recommended to only use the USB charging cable that comes with the drone to charge the battery.
- Don't attempt to disassemble or modify the battery in any way.
- Don't use the battery if it gives off an odor, generates heat, become discolored or deformed, or appears abnormal in any way. If the battery is in use or being charged, remove it from the device or charger immediately and discontinue use.
- Don't pierce the battery casing with a nail or other sharp object, break it open with a hammer, or step on it!
- Don't short-circuit the battery by connecting wires or other metal object to the positive (+) and negative(-) terminals.

Li-Po Battery Disposal & Recycling

Waste Lithium-polymer batteries must not be placed with household trash.
Please contact local environmental or waste agency or the waste agency
or the supplier of your model or your nearest Li-Po battery recycling center.

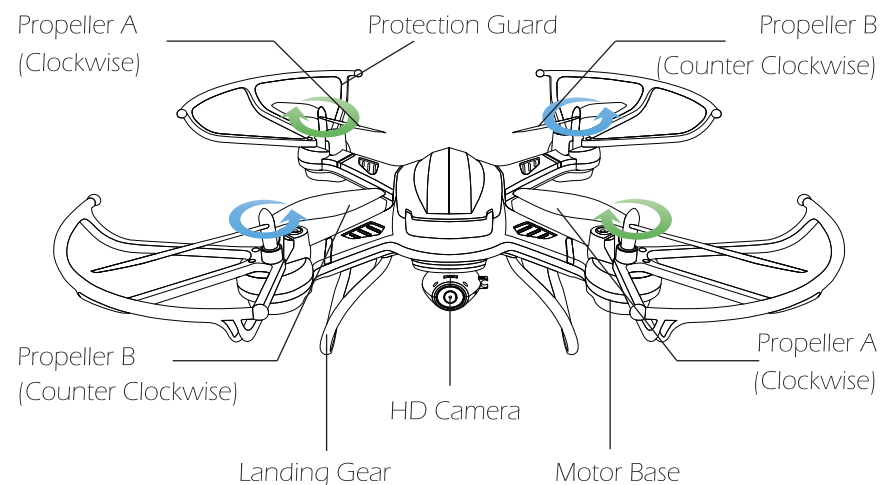
< MAINTENANCE >

1. Clear the product after each use with a clean, soft cloth.
2. Avoid prolonged exposure to direct sunlight and avoid buildup of heat on the drone.
3. This device is not waterproof and must not be submerged in water under any circumstance. Failure to maintain the device completely dry will result in the failure of the unit.
4. Check the charging plug and other accessories for signs of damage frequently. If any part of the device is damaged, refrain from flying until maintenance can be carried out.

< PACKAGE CONTENTS >

No.	Part Name	Picture	Quantity
1	Drone		1
2	Transmitter		1
3	Drone Battery		2
4	Propellers		4
5	USB Charging Cables		2
6	Protection Guards		4
7	4GB TF Card + Card Reader		1
8	Landing Gear		2
9	Screwdriver		1
10	Phone Holder		1
11	Instructions For Use		1

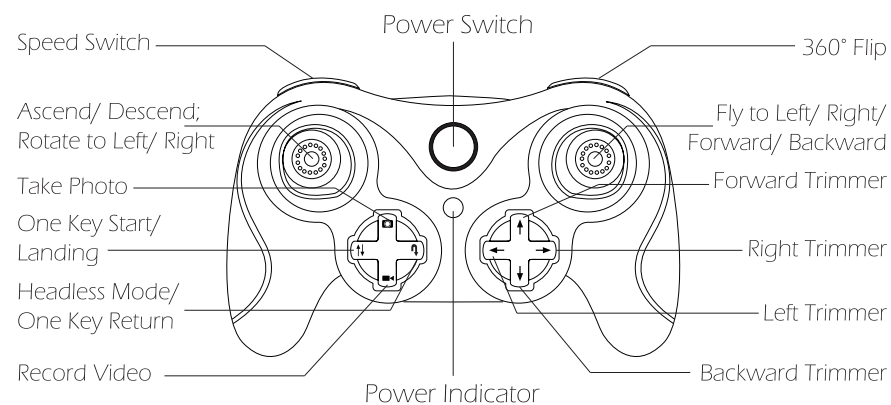
< DRONE'S DETAILS >



< TRANSMITTER FUNCTIONS >

MODE 2:

Left hand throttle MODE 2 will be default setting.

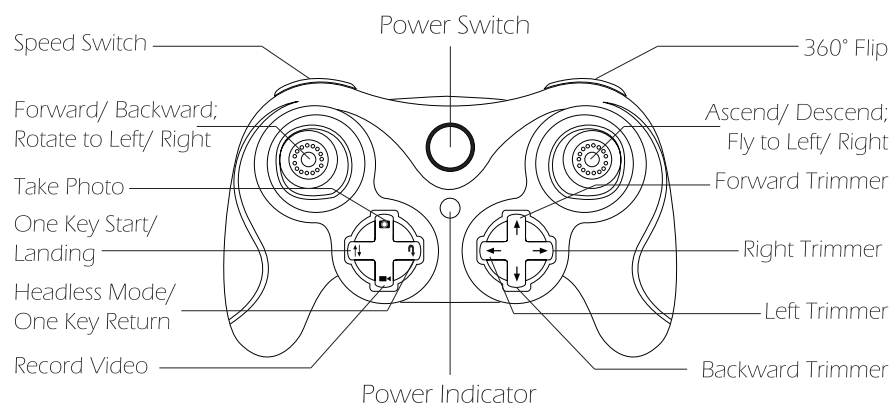


< TRANSMITTER FUNCTIONS >

MODE 1:

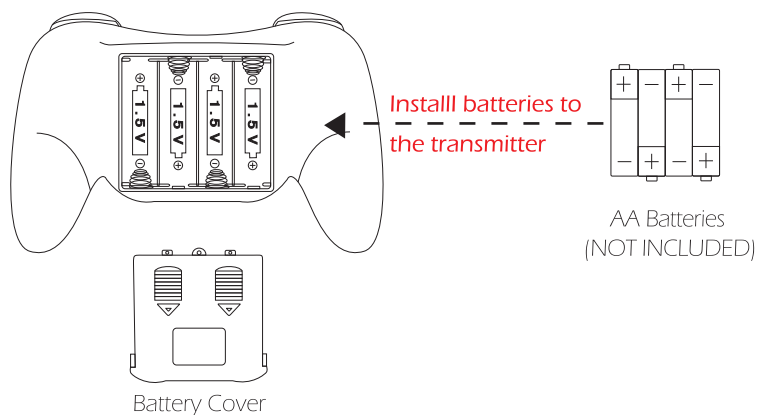
To enter MODE 1, turn on the transmitter while holding the upper left button on the transmitter.

(Please do not release the upper left button until the transmitter is powered on.)



< INSTALLATION >

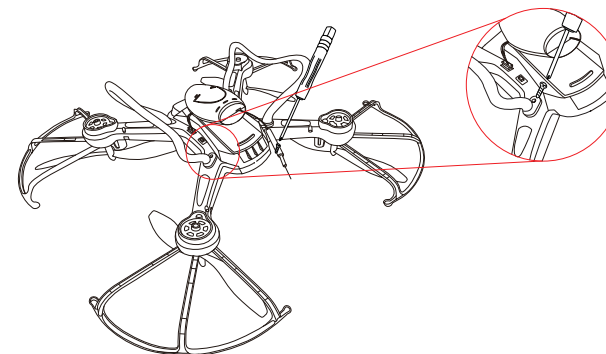
1. Transmitter Battery



! Always pay attention to the battery polarity when install the batteries to make sure they are fitted correctly.

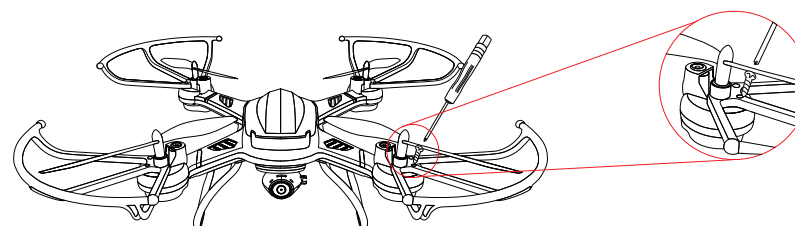
< INSTALLATION >

2. Landing Gear



As shown above, install the landing gear on the bottom of the drone body, and use the screwdriver to rotate the screw clockwise.

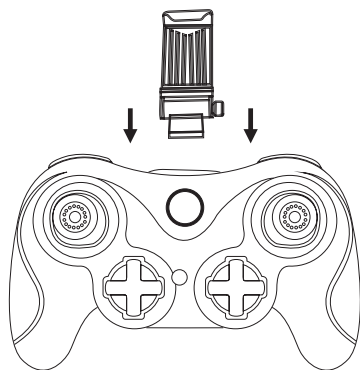
3. Protection Guards



Insert all four propeller guards into the holes located on the motor bases, secure with the four screws tightly.

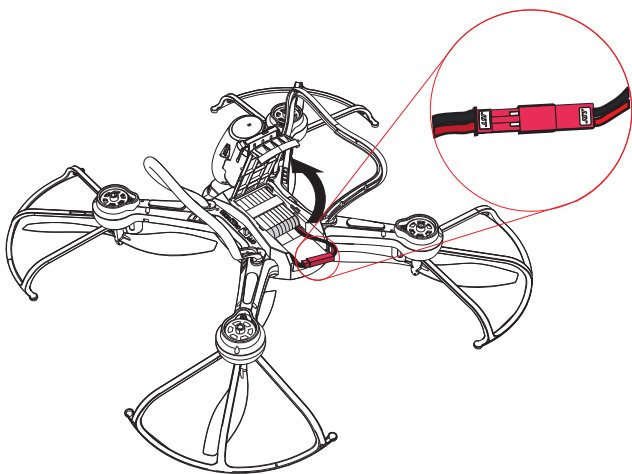
< INSTALLATION >

4. Phone Holder (F181W)



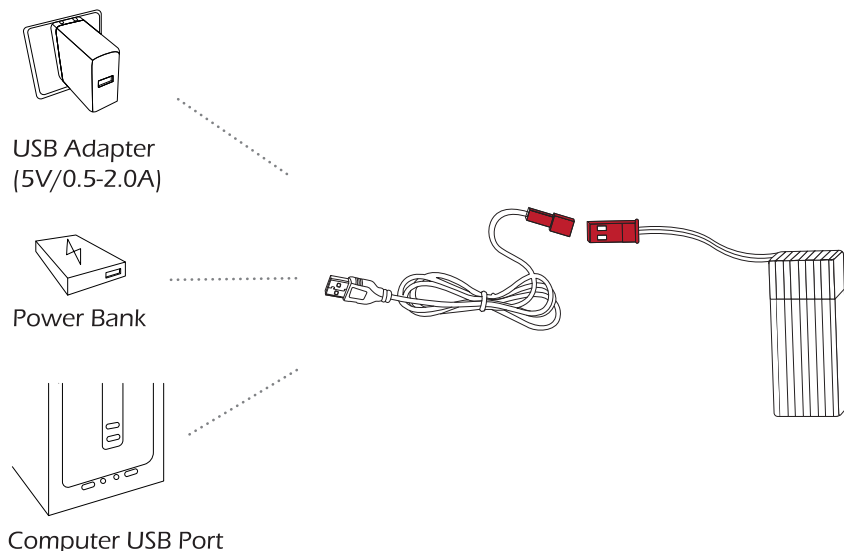
According to the above diagrams , install the phone holder to the transmitter.

5. Drone Battery



Put the battery into the battery compartment of the drone, and connect the battery to the battery cable on the drone. To avoid short circuit, please plug in the battery as the picture above.

< CHARGE THE LI-PO BATTERY >



- 1) Connect the USB charging cable to the battery or the charging plug at the bottom of the drone (marked as "CHA");
- 2) Plug the USB charging cable in to a USB charging port on the computer, power bank or USB adapter (5V @ 0.5A to 2.0A);
- 3) After the battery is connected to the USB charging cable, the red indicator light on the USB charging cable will turn on;
- 4) When the battery is charging, the red indicator light will turn off and it will turn on again when the battery is fully charged;
- 5) Charging time: about 70-90 minutes.



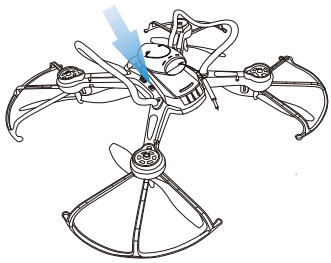
Before charging, please check the contents of the battery use section of the safety instructions carefully!

< FLIGHT >

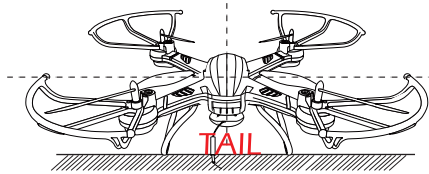
- ⚠ • Rotating propellers can be dangerous. Do not start the motors when there are people nearby.
- Always keep your hands on the transmitter so long as the motor is still spinning.

All of the following operations on this manual takes MODE 2 for example.

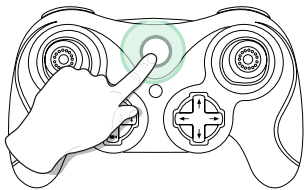
1. Pair the Drone



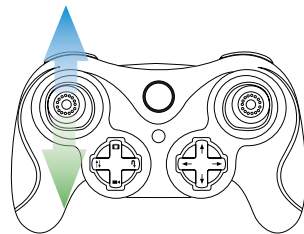
① Push the power button to "ON" status to turn on the drone. Now the LED indicator lights on the drone will be blinking.



② Place the drone on a flat and level surface with the head forward and the tail towards the pilot.



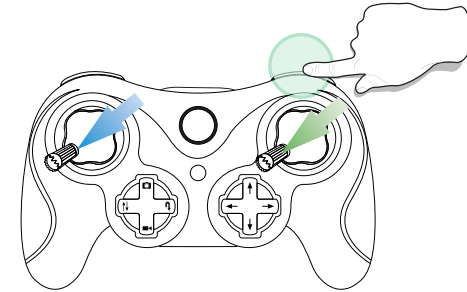
③ Turn on the transmitter.



④ Push the Throttle (Left) Joystick up then down to pair the drone with the transmitter. The LED indicator lights on the drone will be solid if the drone is paired successfully.

< FLIGHT >

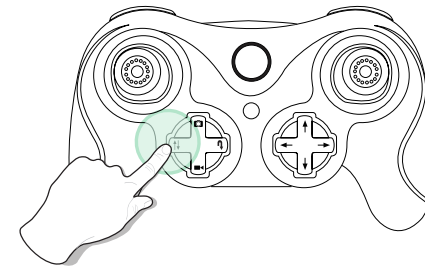
2. Calibrate the Gyro



- ① After pairing, hold the 360° Flip button in the upper right corner of the transmitter and do not release it;
- ② Push down both of the joysticks to the lower left corner until the LED lights of the drone start flashing and then turn solid.

Tips: To ensure a stable flight, we suggest the pilot calibrate the gyro every time after pairing the drone and after a crash.

3. One Key Start/ Landing

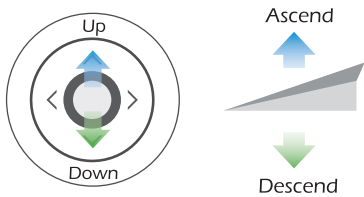


After pairing/ calibration, press the One Key Start/ Landing button, the propellers will start spinning, indicating this drone is ready to fly, and you can control this drone by using the joysticks. Press the One Key Start/ Landing button again, the drone will automatically land on the ground.

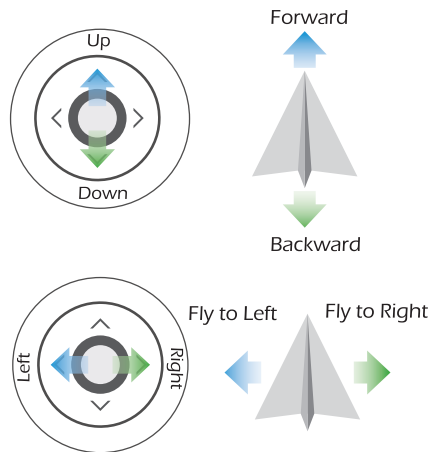
< FLIGHT >

4. Flight Control

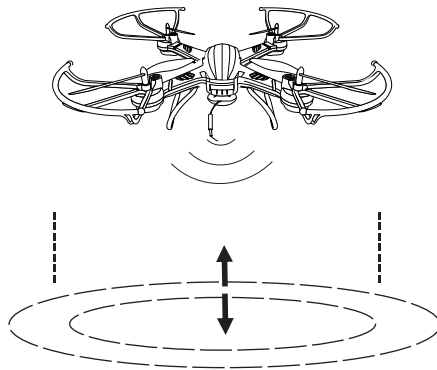
Throttle (Left) Joystick



Direction (Right) Joystick



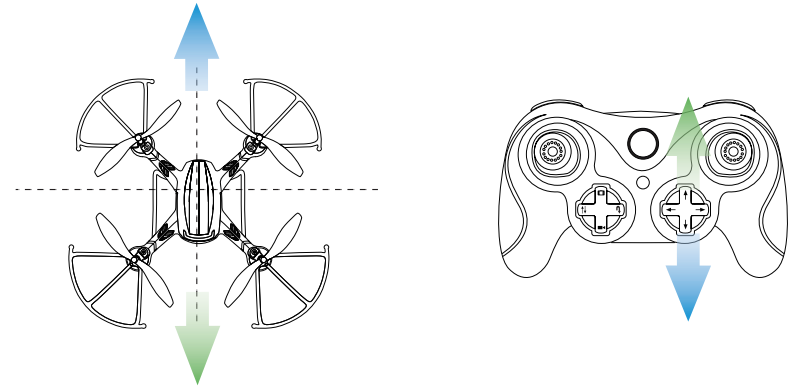
< ALTITUDE-HOLD FUNCTION >



The drone is designed with altitude-hold function so the drone can maintain its altitude after you release the left stick(the left stick will automatically spring back to the middle).

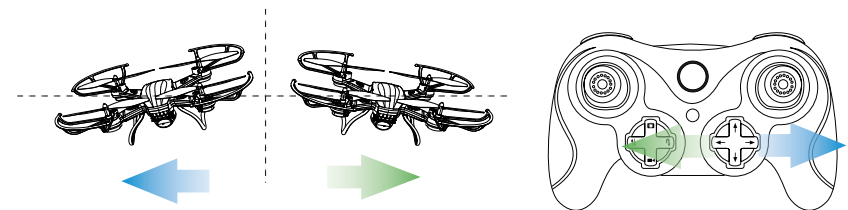
< TRIMMER >

F/B Sideward Fly Trim



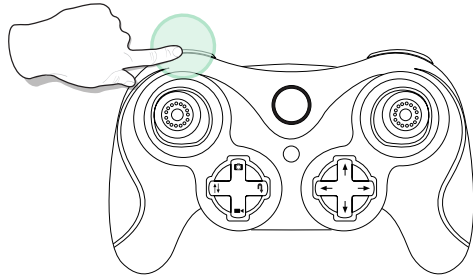
If the drone drifts forward, press the backward trimmer button to re-balance the drone; if the drone drifts backward, press the forward trimmer button to re-balance the drone.

L/R Sideward Fly Trim



If the drone drifts left, press the right trimmer button to re-balance the drone; if the drone drifts to right, press the left trimmer button to re-balance the drone.

< SPEED SWITCH >

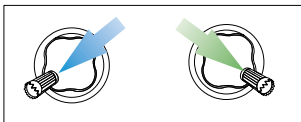


This drone comes with 4 speed levels (Low/ Medium/ High/ Expert). Press the Speed Switch button on the upper left of the transmitter to switch the speed. Increase or decrease one speed at a time. “Di” indicates Low speed; “Di Di” indicates Medium speed; “Di Di Di” indicates High speed; and “Di Di Di Di” indicates Expert speed.

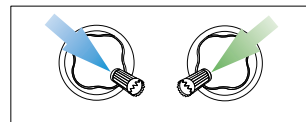
(The Low Speed is default speed mode.)

< EMERGENCY STOP >

⚠ The Emergency Stop function can be only used in case of emergency during the flight to avoid any of damage or injury.



Pic 1

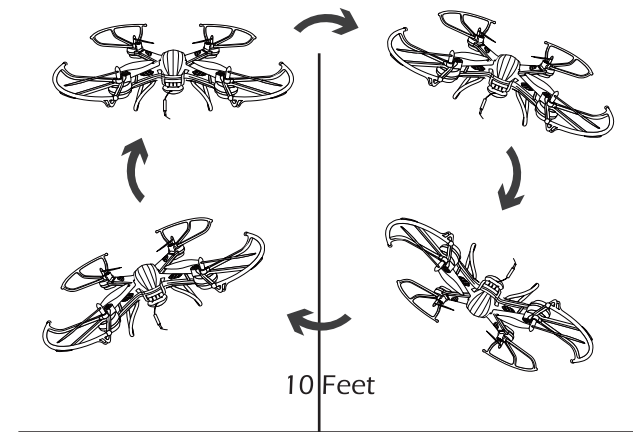
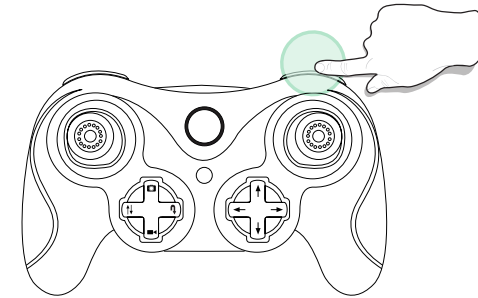


Pic 2

Method 1: Push the Left Joystick to the bottom left and push Right Joystick to the bottom right at the same time (**Pic 1**), the motors will stop immediately and the drone will fall directly.

Method 2: Push Left Joystick to the bottom right and push Right Joystick to the bottom left at the same time to stop the drone (**Pic 2**).

< 360° FLIP >



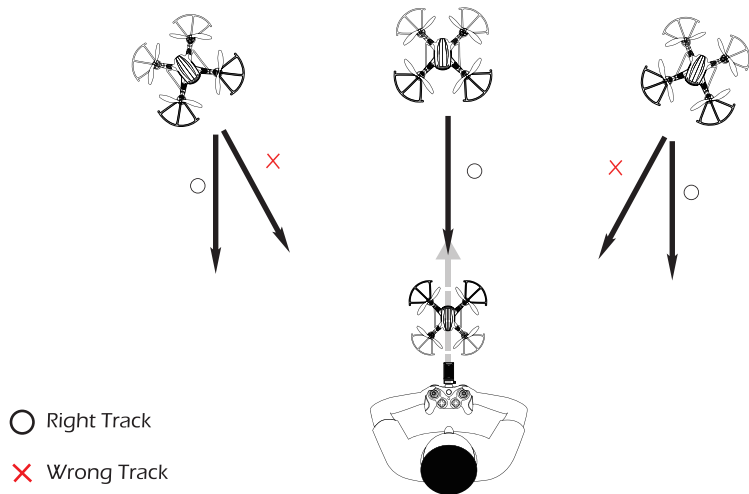
When you get familiar with all the functions of the drone, you can try this amazing flip mode. When you fly the drone at least 10 feet, press the 360° Flip button on the upper right of the transmitter, then push the Right Joystick Forward/ Backward or Left/ Right, and the drone will do a flip towards the corresponding direction.

If you are in MODE 1, push the Right Joystick Left/ Right. or push the Left Joystick Forward/ Backward, and the drone will do a flip towards the corresponding direction.

Tips:

This function will perform better when the battery is fully charged.

< HEADLESS MODE / ONE KEY RETURN >



1. Press the Headless Mode button on the transmitter to enter Headless Mode. The LED lights of the drone will start flashing and the drone sounds will beep constantly.
2. Then the drone will fly back to the pilot directly. This is One Key Return function.
3. Push the Right Joystick to any direction to operate the drone in Headless Mode and the drone will exit the One Key Return function.
4. Press the Headless Mode button again to exit Headless Mode.

Tips:

1. When pairing the transmitter to the drone, make sure the head of the drone is facing forward, and the tail of the drone is facing towards the pilot (and the transmitter) as seen in the diagram above.
2. When flying in Headless Mode/ One Key Return, the pilot should not move around. This is because the drone will fly relative to the point where it was paired (to the transmitter), not relative to where the transmitter is.
3. When using Headless Mode/ One Key Return, it is important to stay stationary and facing the same direction as you were when the drone and transmitter were paired.

< FPV REAL-TIME FUNCTIONS >

! This feature is only for F181W with Wi-Fi camera!

1. Download and Install APP

F181W is equipped with FPV real-time camera function as well as gravity sensor control function. Please scan the QR code below to download the "Deerc FPV" App to use these functions.



iOS



Android APP on Google play

Connect to the App Store™ or Google™ Play and download the "Deerc FPV" application for free.

Tips:

Applicable Phone Models: iOS 8.0 or above / Android 4.1.2 or above.

2. Wi-Fi Connection

Power on your drone, then go into your phone settings, select Wi-Fi, and then connect to "HolyStoneFPV ***", which is the camera connection. Once you have successfully connected, exit the settings menu on your phone and open the "Deerc FPV" App to see real-time image from camera.

< FPV REAL-TIME FUNCTIONS >

3. Take Photo/ Video

① **Take Photo:** Press the Photo button to take photo. The camera will take a photo every time when you press this button. Every time press this button, the red indicator light in the camera will flash once.

② **Record Video:** Press the Video button to start recording video, press it again to end and save the video. When you press the button to record video, the red indicator light in the camera will turn on, and press it again to end and save the video, the red indicator light in the camera will turn off.

(Don` t take photos when camera is recording video.)

< SPECIFICATION >

DRONE

Model: F181C/ F181W

Weight: 151.1g/ 5.33oz

Flight Time: 7~9 minutes

Motor Model: 8520

Operating Temperature Range: 32° to 104°F (0° to 40°C)

Dimensions: 300 x 300 x 106mm

TRANSMITTER

Operating Frequency: 2.4GHz

Transmission Distance: 328 feet (outdoors and unobstructed)

Battery: 1.5V AA batteries

Operating Temperature Range: 32° to 104°F (0° to 40°C)

< SPECIFICATION >

DRONE BATTERY

Capacity: 750 mAh

Voltage: 3.7 V

Battery Type: Li-Po Battery

Energy: 2.775 Wh

Net Weight: 24.5g/ 0.86oz

Charging power: 5~10W

Charging Time: 80~90 mins

Charging Temperature Range: 41° to 104°F (5° to 40°C)

CAMERA

Lens: FOV 120° f/2.0

Still Photography Modes : Single Shot

Video Recording Modes: HD 1280x720p

Photo: JPEG

Video: AVI

Supported TF Cards: TF Card 4 GB included

Operating Temperature Range: 32° to 104°F (0° to 40°C)

USB CHARGING CABLE

Voltage: 5 V

Rated Power: ≤10 W

< TROUBLE SHOOTING >

Problem	Reason	Solution
The LED lights on the drone are flashing, but the drone is not responding.	<ol style="list-style-type: none"> 1. Insufficient battery power. 2. Transmitter is not connected to the drone. 3. Drone landing position is not balanced. 4. Drone cannot be paired because the drone has been on for a long period of time. 	<ol style="list-style-type: none"> 1. Fully charge the battery. 2. Turn off the drone and transmitter, then, reconnect them by turning them on again. 3. Place the drone on a level surface when pairing. 4. Turn off the drone and transmitter, then, turn them on again to pairing.
The propellers spin, but the drone doesn't fly.	<ol style="list-style-type: none"> 1. Insufficient battery power. 2. Propellers not installed in the correct orientation. 3. Damaged propellers. 4. Something caught in the propellers or gears. 	<ol style="list-style-type: none"> 1. Fully charge the battery. 2. Check the letter "A" and "B" which printed on the propellers correspond to the diagram on page 3 of this manual. 3. Replace old propellers with new ones. 4. Ensure gears and propellers are clear and that there is nothing caught in them.
The drone does not fly properly after a crash.	<ol style="list-style-type: none"> 1. Propellers are not installed in the correct positions. 2. Damaged propellers. 3. The gyro has lost calibration. 4. Propellers have hit the propeller guard. 5. Wire or circuit board broken. 6. Motors burnt out. 	<ol style="list-style-type: none"> 1. Check the propeller order. 2. Replace propellers with new ones. 3. Reset the gyro. Press trim buttons to fine tune the direction. 4. Make sure the propellers work well. 5. Replace the circuit board. 6. Replace the motors.

< TROUBLE SHOOTING >

Problem	Reason	Solution
One Key Return button doesn't work properly.	<ol style="list-style-type: none"> 1. Propellers are not installed in the correct positions. 2. Damaged propellers. 3. The gyro has lost calibration. 4. Propellers have hit the propeller guard. 5. Wire or circuit board broken. 6. Motors burnt out. 	<ol style="list-style-type: none"> 1. Check the propeller order. 2. Replace propellers with new ones. 3. Reset the gyro. Press trim buttons to fine tune the direction. 4. Make sure the propellers work well. 5. Replace the circuit board. 6. Replace the motors.
Photo or Video doesn't work properly.	<ol style="list-style-type: none"> 1. Insufficient battery power. 2. The camera is broken. 3. TF card is full. 	<ol style="list-style-type: none"> 1. Fully charge battery or use new battery. 2. Replace the camera. 3. Remove files from TF card, or use and empty TF card.
Image can't be displayed on computer.	<ol style="list-style-type: none"> 1. Media player does not support the file format. 2. Video is not successfully recorded. 	<ol style="list-style-type: none"> 1. Try new media player(such as VLC Media Player). 2. Press video button second time to stop the video and save the file.

< CONTACT US >

Please do not hesitate to contact us if you need further support.



usa@holystone.com (USA)
ca@holystone.com (CA)

eu@holystone.com (EU)
jp@holystone.com (JP)



1(855) 888-6699

< GENERAL INFORMATION >

FCC Notice:

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.

(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 connected.

—Consult the dealer or an experienced radio/TV technician for help.

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

RF Exposure

The equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This device should be installed and operated with minimum distance 20cm between the radiator & your body.

IC Notice:

This device complies with Canada Industry licence-exempt RSS standard(s). Operation is subject to the following two conditions:

< GENERAL INFORMATION >

(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.

CAN ICES-3 (B)

Avis d'Industrie Canada

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 le brouillage radioélectrique subi même si le brouillage est susceptible d'en compromettre le fonctionnement. mauvais fonctionnement de l'appareil. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

CAN NMB-3 (B)

RF Exposure

Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements

IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

HOW TO RECYCLE THIS PRODUCT

This symbol on the product or its documentation indicates that it must not be disposed of with household waste.

Uncontrolled waste disposal may harm the environment or human health. Please separate your device from other types of waste to recycle it responsibly.

This will help to foster the sustainable re-use of material resources.

< GENERAL INFORMATION >

We invite you to contact your retailer or inquire at your local town hall to find out where and how the drone can be recycled.



BATTERY WARNING:

1. Failure to follow all the instructions may result in serious injury, irreparable damage to the battery and may cause a fire, smoke or explosion.
2. Always check the battery's condition before charging or using it.
3. Replace the battery if it has been dropped, or in case of odour, overheating, discolouration, deformation or leakage.
4. Never use anything other than the approval LiPo charger the battery. Always use a balancing charger for LiPo cells or a LiPo cell balancer. It is recommended that you do not to use any other charger than the one provided with the product.
5. The battery temperature must never exceed 60°C (140°F) otherwise the battery could be damaged or ignite.
6. Never charge on a flammable surface, near flammable products or inside a vehicle (preferably place the battery in a non-flammable and nonconductive container).
7. Never leave the battery unattended during the charging process. Never disassemble or modify the housing's wiring, or puncture the cells. Always ensure that the charger output voltage corresponds to the voltage of the battery. Do not short circuit the batteries.
8. Never expose the LiPo battery to moisture or direct sunlight, or store it in a place where temperatures could exceed 60°C (car in the sun, for example).
9. Always keep it out of reach of children.
10. Improper battery use may result in a fire, explosion or other hazard.
11. Non-rechargeable batteries are not to be recharged. Rechargeable batteries are only to be charged under adult supervision.
12. Different types of batteries or new and used batteries are not to be mixed.
13. Batteries are to be inserted with the correct polarity.
14. The supply terminals are not to be short-circuited. Regular examination of transformer or battery charger for any damage to their cord, plug, enclosure and other parts and they must not be used until the damage has been repaired.
15. The packaging has to be kept since it contains important information.

< GENERAL INFORMATION >

16. The toy is only to be connected to Class II equipment bearing the symbol.

EU RF Power(EIRP): 10dBm (2413MHz ~ 2461 MHz)

Caution

1. The max operating of the EUT is 45°C. and shouldn't be lower than -10°C.
2. The device complies with RF specifications when the device used at 0mm from your body.
3. Declaration of Conformity.

We, Xiamen Huoshiquan Import & Export CO., LTD hereby, declare that the essential requirements compliance with the Directive 2014/53/EU, the RoHS Directive 2011/65/EU and Safety Directive 2009/48/EC have been fully fulfilled on our product with indication below:

Product Name: REMOTE CONTROL MODEL/RADIO CONTROLLED Model/Mark : F181C/F181W/HOLYSTONE

The Statement of compliance is available at the following address:
http://www.holystone.com/docs/F181C_F181WEUDOC.pdf

This product can be used across EU member states.

MANUFACTURER INFORMATION

Manufactured by
Xiamen Huoshiquan Import & Export CO., LTD
Room 703, No. 813-2 Xiahe Road, Siming District, XIAMEN, China
+1(855) 888-6699



Made in China