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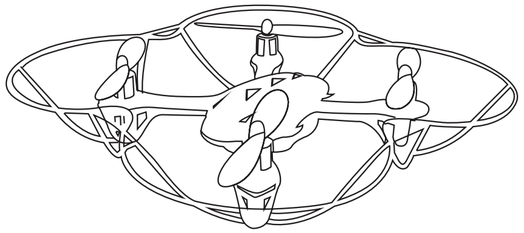
F180C+
2.4Ghz QUADCOPTER

With 6-Axis Gyro System and 720P HD Camera

Instruction Manual



Please read this manual carefully before operating this product and keep it for future reference.

SAFETY GUIDELINES

To minimize injury, a blade protection cover and anti-crash accessories are installed on the quadcopter.

CAUTION:

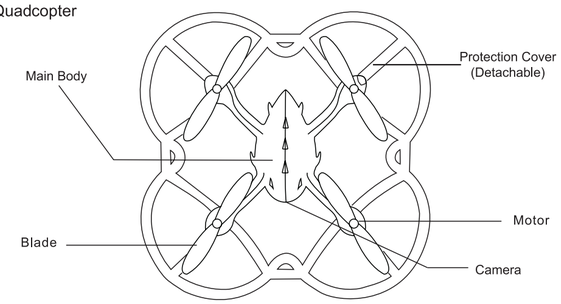
- OPERATE IN A WIDE OPEN SPACE: DO NOT operate near trees, high voltage cables, buildings, and crowds. Assist in safeguarding yourself, others, and your quadcopter.
- BE AWARE OF ROTATING BLADES: Do not touch. Keep hands, hair and loose clothing away from spinning blades. They are capable of inflicting serious body injury or property damage.
- PARENTAL GUIDANCE: Not intended for users under 14 years old.
- AVOID FLYING ALONE: Beginners should avoid flying alone when learning flight skills.
- MOTORS: DO NOT touch motors after flying as they could become hot during flight.
- BATTERY: DO NOT operate with a damaged, punctured, broken or swollen battery.
- POWER BUTTON: TURN OFF when controller and quadcopter are not in use.
- DO NOT SUBMERGE IN WATER: Not intended for use in water due to electronic components.

Box Contains:

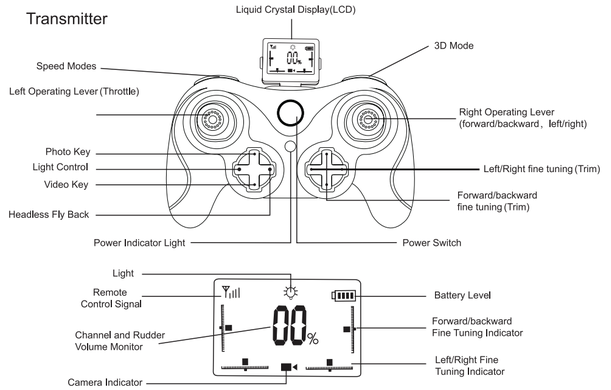
- Quadcopter with 720P HD Camera
- 2.4 Ghz Transmitter with LCD Display
- 3.7V 350 mAh LiPo Batteries (INCLUDING 1 BONUS BATTERY)
- Dual Battery Charger with USB Cable
- Blade Protection Guard (installed)
- 2GB Micro SD Card
- Card Reader
- 4 Spare Rotor Blades
- U Wrench (to replace blades)
- Instruction Manual

Part Names

Quadcopter



Transmitter

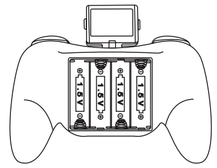


ENTER/EXIT HEADLESS FLY BACK MODE:

To enter in to the headless fly back mode, press the Headless Fly Button. The remote control will immediately flash & beep. This indicates the quad copter is in fly back mode and will start flying back to the player. To stop the quadcopter from returning, push the right lever in any direction. To exit Headless Fly back mode, press the Headless Fly back button again.

Transmitter Battery Installation

To install transmitter batteries, open the battery cover on the back of transmitter. Insert 4 AA alkaline batteries in accordance with the instructions on battery box. (Batteries not included)
NOTE: Old and new or different types of batteries shouldn't be mixed.

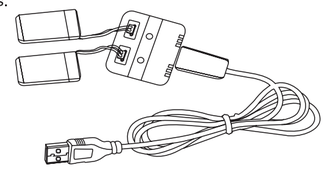


Battery Cover

4 AA Alkaline Batteries

Quadcopter Battery Charging Instructions:

Connect the quadcopter LiPo batteries to the charger as pictured below.
Then connect the charge to the computer's USB port. The USB light is off during charging and turns on when charging is complete. The charging time is about 45 minutes.

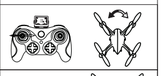
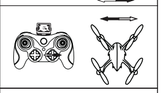
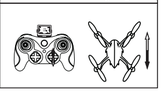


Instructions Before Flight

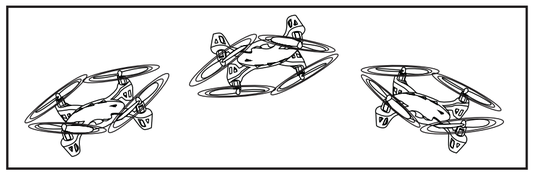
1. Please operate in spacious indoor or outdoor area without rain, snow or excessive wind – away from people, animals and obstacles.
2. Insert the LiPo battery into quadcopter. The indication lights of the quadcopter will start flashing. Then place the quadcopter on a level surface for gyroscopes to calibrate.
3. Pair quadcopter and transmitter: Pull the throttle lever to the lowest position. Turn on the remote control's power switch. Push the throttle to the highest position, then pull it back to the lowest position again. There will be a long beep sound and the quadcopter indication lights will stop flashing and turn solid. This indicates that pairing is completed and it's ready for take off.

NOTE: If the quadcopter is not stable and deviates too much that means the gyros need to be adjusted to improve the quadcopter's stability. Place the quadcopter on a level surface. Then press the 3D mode button which is on the controller's upper-right side. Then simultaneously push the two operation levers to the bottom-left for 3 seconds and release the operation levers after the indication lights on the quadcopter are flashing. Wait about 2 seconds until the indication lights stop flashing. This indicates that the calibration is complete.

Flying Control and Fine Tuning

Ascend / Descend	When the left operating lever is pushed up or pull down, the quadcopter will ascend or descend.	
Turning	When the left operating lever is pushed left or right, the quadcopter turns left or right.	
Forward /Backward	When the right operating lever is pushed up/down, the quadcopter goes forth/back.	
Left/Right	When the right operating lever is pushed left or right, the quadcopter goes to the left or right.	
Left/Right Fine Tuning	When the quadcopter is hovering, and the quadcopter deviates to left or right, then turn the fine tuning to right or left until the quad copter balances.	
Forward /Backward Fine Tuning	When the quadcopter is hovering and the quadcopter deviates forward or backward, turn the forward/backward fine tuning up or down until it balances.	

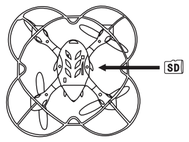
3D Roll Over/360°Flip



To flip the quadcopter,press the 3D mode key, then the indication light on the quadcopter begins to flash and beeps continuously. Ascend the quad copter to 2 meters high, and then push the right operation lever to the bottom any direction. The quadcopter will roll over to the corresponding direction. Repeat the steps above to re-roll over in the same in the same or different direction.

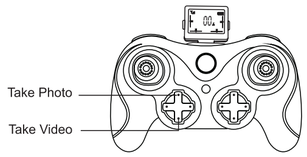
Photo/Video Instructions

1. Insert the SD card into the webcam module's card channel which is on the bottom left of the quadcopter. Connect the quadcopter's power, and finish the pairing of the quadcopter and remote control. The blue indication light on the webcam module turns solid (stops flashing). This indicates that the device is ready to take photos and videos.



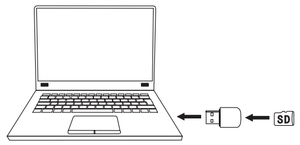
Tip: When the red light indicator is flashing quickly, the SD card is not inserted fully or correctly.

2. By pressing the photo key of the remote control, the red light flashes once. This means the quadcopter is taking photos. By pressing the video key, the red light turns solid. That means the quadcopter is taking video. Press the video key again to stop recording and the red light turns off. This means the video recording is completed and the video has saved to the SD card.



Tip: Press the video key again to save the video.

3. Press the SD card gently to take it out. Then insert the card into the card reader and plug it into the USB of the laptop/computer to read the data of aerial photography from "my computer" ---"portable hard disk".



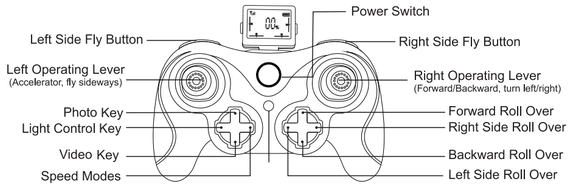
Tip: The recorder photos / videos will be ready to download to your laptop or computer. The Video recordings will be in AVI format. An AVI compatible software is required for playback.

In the case that the quadcopter starts to descend due to insufficient battery power,the quadcopter is specially designed. When the battery power is insufficient, the LED light will turn from steady to flashing. The player may have time to bring back the quadcopter,to change the battery or recharge for the next flight.

Beginner Mode

This quadcopter is designed with beginner and advanced operational modes. Below are the operational instructions for the Beginner Mode.

Keep pressing the upper left button on the remote control. Each time you press the button it will bep in a range between 1 and 4 times.The reading on the LCD display will change from 25% to 50% to 75% to 100%. (and then repeat.) Keep it at 25% for Beginner Mode.After getting into Beginner Mode,the functional keys of the remote ontrol are distributed as per the diagram below.



TROUBLESHOOTING COMMON PROBLEMS

PROBLEM	POSSIBLE REASONS	SOLUTIONS
Videos are not saving	• SD card may be full or not inserted properly	• Free up space on SD card • Make sure the SD card is installed properly and clicks into place
Indication light flashes when quadcopter is not in use	• The transmitter and quadcopter are not paired properly • Insufficient battery power	• Refer to the 'Instructions Before Flight' Sections • Recharge battery
Blades are turning but the quadcopter will not take off	• Blades may be uneven/broken • Insufficient battery power	• Check is blades are installed properly • Replace broken blades NOTE: Blades are #. Replace accordingly • Recharge battery
Quadcopter is shaking and is unbalanced	• Motor may be damaged • Blades are uneven/broken	• Replace motor • Check if blades are installed properly • Replace blades NOTE: Blades are numbered. Replace accordingly
Quadcopter is uncontrollable after crashing	• Acceleration sensor is off balance	• Place the quadcopter on a leveled surface for 5-10 seconds to allow the gyros to reset.
Propellers not working properly	• Damaged	• Replace propellers: Use the provided U wrench. Insert U wrench between the motor and propeller. Gently pry upward.

Technical Support

If you have any problems or questions, please contact us:
support@usatoyz.com