RC PRO

PRO2

2.4G 4-Channels Mini Drone

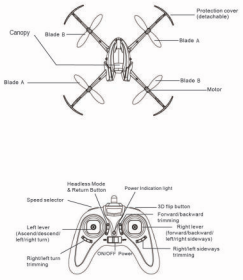
2.4GHZ

Drone with built in six-axis gyro

Instructions Manual

Please read this manual carefully before operating this Drone and keep it for future reference. Follow the safety notes to avoid damage or injury

Parts description



Installing Batteries In Transmitter

Unscrew the screw on the back of the transmitter. Install 4 AAA batteries according to the correct directions. Place the cover back and fasten the screw. Please do not mix old batteries with new ones and do not mix batteries of different types.

Charging the Drone's battery

Turn off the Drone and disconnect the battery. Connect the battery connector to the provided USB Charger cable and connect it to a power source. The USB red indicator light will turn off while charging and turn back on once charging completed. The charing time is about 45 minutes.

Flight preparations

Please operate in spacious indoor or outdoor without rain or snow, and wind power should be below 4 grade, stay away from people, animals or obstacles to avoid injury or damage.

Pairing the Drone with the transmitter

1. Connect the battery to the Drone and place it on a flat surface.
2. Turn the transmitter on and the Drone's light will flash quickly, wait about 5 seconds, a "beep" will sound and the lights will stop flashing. At this point your drone is paired with the transmitter and ready to fly.

Flying controlled and fine tuning

Ascend /descend	Push up or pull down the left lever and the Drone will ascend or descend accordingly.	
Turning	Push the left lever left or right and the Drone will turn left or right accordingly.	
Forward /backward	Push up or pull down the right lever and the Drone will fly forward or backward accordingly.	
Side Fly	Push the right lever left or right and the Drone will fly leftward or rightward accordingly.	
Turning trimming	If the Drone's nose turns right/left while hovering, push the right/left turn trimming button to the opposite direction until the Drone remains hovering in same spot.	
Side-fly trimming	If the Drone floats leftward/rightward, push the right/left sideways trimming button to the opposite direction until the Drone remains hovering in same spot.	
Forward backward trimming	If the Drone floats forward/backward, push the forward/backward trimming button to the opposite direction until the Drone remains hovering in same spot.	

Calibration

After pairing hold both levers to the bottom left corner until you hear a "beep" sound and the LEDs light will flash. Calibration is now complete.

Flying practice

1.Take-off practice:
Slowly push the left lever until the drone take off from the ground and hovers in the air, then pull the left lever back until the drone slowly descends. Practice this repeatedly until you could control the acceleration lever smoothly.

2.Flight Practice:
When the drone hovers in the air, push the right lever slowly to make the drone fly forward/ backward/ rightward/ leftward.

3.Turning Practice:
When the drone hovers in the air, push the left lever slowly to make the drone turns left or right.

3D Flip operation

Press the 3D flip button and push the right lever to any direction and the Drone will perform a 360 flip according to the chosen direction.

Low power alarm:

Once the Drone's battery is running low, the LEDs lights will turn from solid to flashing, and the 3D Flip operation will be disabled this indicates that it is time to bring the Drone back in order to recharge/replace the battery.

Headless mode:

After pairing, place the drone on a flat surface or keep it hovering in the air with the nose of the drone facing the direction that the transmitter is facing. Press up the "Headless mode & return button" and the Drone will enter Headless mode, from this point your Forward/ Backward will be the Drone's Forward/ Backward regardless of which direction the Drone's nose points.

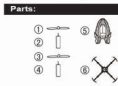
Return:

Press Down the "Headless mode & return button" and the Drone will automatically fly backward, at this point use the right lever and fix the altitude to direct the Drone back to you.

Troubleshooting:

Problem	Reason	Solution
Power indication light keeps flashing. The Drones does not react to the transmitter	1.The Drone is not paired with the transmitter 2. Insufficient battery power	1.Refer to "Binding the Drone with the transmitter (page 3) and follow the steps 2.Replace/Recharge the battery
The Drone's blades spin but it does not takeoff or it keeps trying to flip upon takeoff	1.Blades not placed according to correct placement 2. Insufficient battery power	1.Refer to the blades placement diagram (page 2) 2.Replace/Recharge the battery
The Drone shakes uncontrollably	1.Blades not placed according to correct placement or damaged	1.Refer to the blades placement diagram (page 2) or change to new blades
The Drone does not operate 3D flips	1.Insufficient battery power	1.Replace/Recharge the battery
All trimming buttons are adjusted but the Drone still drifts while hovering	The Gyroscope is out of balance. It needs to be reset.	Follow Calibration instructions (page 4) and try trimming (page 4) again
The Drone becomes out of control after crashing	The Gyroscope is out of balance. It needs to be reset.	Follow Calibration instructions (page 4) and try trimming (page 4) again
One of the blades is not spinning	1.Hair/string is stuck in blade 2. Motor is burnt	1.Remove hair/string 2.Replace motor

Parts:



1. Blades A (2 pcs)
2. Corotation motors (2 pcs)
3. Blades B (2 pcs)
4. Reversal motors (2 pcs)
5. Canopy (1 pcs)
6. Frame (1 pcs)
7. Battery (1 pcs)
8. Receiver board (1 pcs)