RC PRO

AGES 14+

INSTRUCTION MANUAL

PRO8

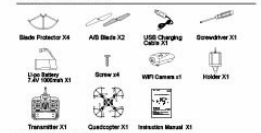
General Instructions

FPV HD Camera 6-Axis Gyro 2.4Ghz 4 Channels 360°Flips

Main Functions:

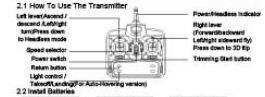
1. Common Mode: High/Low Speed, Micron Turning, Forward, Backward, Left, right, Turn Left/Right, 360° Flips.
2. FPV Function: Watch live streaming through your mobile device through "RC-PRO FPV" app.
3. Headless mode: Enables you to fly "your" forward, backward, left and right regardless of what direction the drone is pointing.
4. One key Takeoff/Landing with Auto-Hovering version.
5. Geo-Magnetism technology with Follow-Me version.

1 INCLUDED PARTS

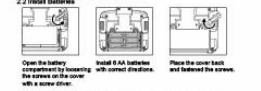


2 TRANSMITTER

2.1 How To Use The Transmitter



2.2 Install Batteries



1. Make sure the polarity of the battery is correct and is not loaded upside down.
2. Please do not mix old batteries with new ones.
3. Please do not mix batteries of different types.

3 ASSEMBLING YOUR DRONE

3.1 Mount blade protectors:
Push the blade protector into the motor base and fasten it with the provided screw.
Important notice: It is strongly recommended to mount the blade protectors before flying the drone in order to avoid any potential damage.

3.2 Mount/Change blades:
Each of the blades must be mounted to its designated location. Blades which are marked with the letter A must be mounted to A location and blades marked with the letter B must be mounted to location B as shown in the diagram. Improper mounted blades may cause problems, such as taking-off failure, deviation or crashing down.

Blade installation diagram

4 CHARGING LI-PO BATTERY

Turn off the drone, open the battery compartment cover and disconnect the battery.
Connect the battery connector to the provided USB charger and connect the USB charger to a power source. The indicator will eliminate while charging and will turn on once charging is complete. Once completed, replace the battery into the drone and it is ready to fly.

Charging time: About 120 minutes; Flight time: More than 8 minutes

please pay attention to the following security matters.

1. Do not put the rechargeable batteries in the place of high temperature, such as fire, electric heating device, or it may cause damage and explode.
2. Do not strike the batteries
3. Do not put the batteries into the water, the batteries should be kept in a dry place.
4. Do not decompose the batteries.
5. Do not leave when you are charging

5 STANDBY TO FLY

5.1 Operation System Booting

5.1.1
Diagram 1: Connect the battery to the Drone and turn the power switch to "on" position.
Diagram 2: Turn the remote control on and push the left lever all the way up and then pull all the way down, you will hear a beep sound and the remote control indicator light will stop flashing. At this point your drone is paired with the remote control and you are ready to fly.

Diagram 1 Diagram 2

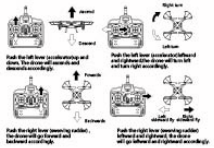
5.2 Calibration

After pairing, turn the right lever counterclockwise until both of the Drone's red lights flash. Calibration is now complete.

Note: The drone has been well calibrated before delivery. It is not necessary to recalibrate without need.

6 OPERATING AND CONTROL

6.1 Operating Instructions

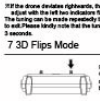


6.2 Trimming

Press down the trimming button into micro-tuning mode.
If if the drone floats forwards, the operator shall pull the right rod backwards to adjust with the rear two indicators flashing.
If if the drone floats backwards, the operator shall pull the right rod forwards to adjust with the front two indicators flashing.
If if the drone floats leftwards, the operator shall pull the right rod rightwards to adjust with the right two indicators flashing.

If if the drone deviates rightwards, the operator shall pull the right lever leftwards to adjust with the left two indicators flashing.
The tuning can be made repeatedly till it flies steadily. Then press down the tuning button to exit.Please kindly note that the tuning mode will exit automatically if no operation within 3 seconds.

7 3D Flips Mode



Press down the right lever, with a beep, into rotation mode. Operate the right lever forwards, backwards, leftwards or rightwards, and the drone will flip forwards, backwards, leftwards or rightwards accordingly.

It is strongly recommended that the flipping shall be made by keeping the drone with a certain height, such as 1.2 meters high, and keeping it in hovering, avoid any potential damage.

7.1 Leftward flip

Press down the right lever, with a beep, push the lever leftward, the drone will flip one flip leftward.

7.2 Rightward flip

Press down the right lever, with a beep, push the lever rightward, the drone will flip one flip rightward.

7.3 Forward flip

Press down the right lever,with a beep,push the lever forward, the drone will flip one flip forward.

7.4 Backward flip

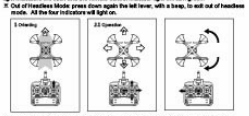
Press down the right lever , with a beep,pull the lever backward, the drone will flip one flip backward.

Low Battery Alarm
Once all 4 lights are flashing the flip function will be disabled and the drone's battery will be ready for a recharge.

8 Headless Mode

8.1 Mode Change

※Start Headless Mode
Upon pairing, place the drone on the ground or keep it hovering in the air, with the head (white blades) of drone pointing to the direction of transmitter, then press down left lever, with a beep, into headless mode. The diagonal two indicators will flash.The diagonal two light indicators will flash and the remote control indicator light will turn green.
※ Out of Headless Mode: press down again the left lever, with a beep, to exit out of headless mode. All the four indicators will light on.



As shown on diagrams, in headless mode, no matter which direction the drone pointing, the operator can still it back by pulling down the right lever, and fly it far away by pushing the right rod up.

8.2 Return

Return : In headless mode, press the return button(diagram 1) and the drone will automatically return backward, at this point use the right lever to direct the drone back to you. Push the right lever forward in order to stop the returns(diagram 2).

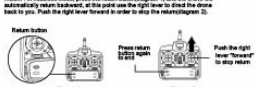


Diagram 1 Diagram 2

9 HD CAMERA AND WiFi LIVE STREAMING FUNCTION

9.1 Mount Camera and WiFi Components

10. OPERATING INSTRUCTIONS FOR AUTO-HOVERING VERSION

10.1 Connect the Lipo battery and turn the drone on. Turn the transmitter on and push the left level all the way following by pulling all the way down, repeat until you hear a beep, at this point the pairing process has been completed.

10.2 Press the "Takeoff" button and the drone will ascend and hover over the ground.

10.3 Use your left lever to set the desired altitude and the auto-hovering function will keep the drone hovering. This function is especially recommended for videos and pictures as it allows the pilot to concentrate at the streaming without any concern about losing altitude. Refer to Page 7 for more information about our streaming app and how to use/install it.
Use the right lever to navigate your flight and go forward, backward, or sideways.

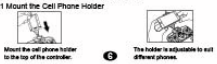
10.4 Once you are done with your flight, press the "Landing" button and the drone will gradually descend and land itself on the ground.

11. OPERATING INSTRUCTIONS FOR FOLLOW-ME VERSION

Please visit our website @ www.rcpro.ca and watch a tutorial video about how to operate this version.

12. WIFI Transmission in Real Time

12.1 Mount the Cell Phone Holder

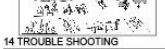


Mount the cell phone holder to the top of the controller. The holder is adjustable to suit different phones.

12.2 Software Download

12.3 Install our FPV app by scanning the correct QR code above (depend on your operating system) or search for RC-PRO FPV app at your cell phone's app store. Turn the drone's power on and look for a network named "WIFI FPV ******" through your phone's WiFi settings menu and connect to it. Now launch RC-PRO FPV app and press the "play" button and the Live streaming will display on you cell phone's screen. Use the buttons on the top of the screen to take videos, pictures and more…

13 FLIGHT ENVIRONMENT:



Avoid operating this drone under the shown condition in order to avoid potential damage.

14 TROUBLE SHOOTING

14.1 Transmitter is not pairing with the drone
Solution: Turn of the transmitter, disconnect and reconnect the battery and try again.

14.2 Gyro not working well
Solution: 1)Battery voltage too low.
2)Re-bind.
3)Make sure the drone on the horizontal position.
4)Try calibration

14.3 Unable to flip
Solution: 1)Press right lever ,change to flip mode.
2)Check if Li-po power is too low and needs to be recharged.

14.4 Drone is shaking with noise:
Solution: Check if the motors,canopy,body and propellers are all properly positioned.

14.5 Cannot take off
Solution: 1)Wrong installation of the props. All props are marked with "A" or "B" and should be placed on the right motor (marked "A" or "B") respectively for the correct order.
2)Check drone canopy if loose or not,Stock blades flying.
3)Press the Takeoff/Landing button in Auto-Hovering version.
4)Check drone battery is power full,if the low power, drone canopy inner light will be alternately flashing.

Caution: The drone has the potential to cause injury, please use responsibly, Children must operate under adult supervision.

We believe that you should make the most out of your drone.
If you are ever in need of advice, service or parts please visit our website for a list of our retailers.
WWW.RCPRO.CA