

RC PRO **AGES 14+**


INSTRUCTION MANUAL



PRO6 General Instructions
FPV HD Camera 6-Axis Gyro 2.4Ghz 4 Channels 300°Flips

Main Functions:
 1. Current Mode: High/Low Speed, Motor Tuning, 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. One-Magnetism technology with Follow-like version.

1 INCLUDED PARTS



2 TRANSMITTER

Left lever (Ascend / descend) Left/right turn (Press down to Headless mode)
 Speed selector
 Power button
 Return button
 Light control / Takeoff/Landing (FPV Auto-Hovering version)
 Right lever (Power/Headless indicator) Right lever (Forward/backward) Left/right (Forward by) Press down to 3D Flip
 Trimming Start button

2.1 How To Use The Transmitter
 Open the battery compartment by loosening the screws on the cover.
 Install 6 AA batteries with correct directions and fastened the screws.
 Place the cover back and fastened the screws.
 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 the batteries of different types.

3 ASSEMBLING YOUR DRONE

3.1 Mount Blade protectors

Push the blade protector into the motor head 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 could 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 heavy off-balance, vibration or crashing down.

4 CHARGING LIPO 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 alternate while charging and will turn on when charging is complete. Once completed, replace the battery into the drone and it's ready to fly.

5 STANDBY TO FLY

5.1 Operation System Booting

Diagram 1: Connect the battery to the Drone and turn the power switch to 'on' position.
 Diagram 2: Place the drone on a flat surface.
 Diagram 3: Turn the remote control on and press the left stick all the way up and then pull all the way down, you will hear a beep sound and the remote control mode light will stop flashing. At this point your drone is paired with the remote control and you are ready to fly.

5.2 Calibration

After pairing, turn the right lever counter-clockwise 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

Push the left lever counter-clockwise and down. The drone will ascend and descend accordingly.
 Push the left lever clockwise and up. The drone will ascend and descend accordingly.
 Push the right lever (powering) backward. The drone will go forward and backward accordingly.
 Push the right lever (powering) backward and upward. The drone will go forward and right accordingly.

6.2 Trimming

Press down the trimming button into micro-tuning mode.
 If the drone flutters backward, the operator shall pull the right rod backward to adjust with the new two indicators flashing.
 If the drone flutters backward, the operator shall pull the right rod forward to adjust with the first and the right two indicators flashing.
 If the drone flutters backward, the operator shall pull the right rod rightwards to adjust with the right two indicators flashing.

7 3D Flips Mode

It is strongly recommended that the flipping should be made by keeping the drone with certain height, such as 20' (6meters) high, and hovering. If 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.

8 Headless Mode

8.1 Mode Change

Clear 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.

8.2 Return

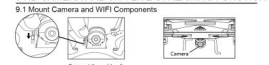
When in headless mode, press the return button (Diagram 1) and the drone will automatically return backward. At this point use the right lever to direct the drone back to you. Pull the right lever forward in order to stop the return (Diagram 2).

Return button

Diagram 1: Press return button again.
 Diagram 2: Push the right lever "forward" to stop return.

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 lever 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 it.
 10.4 Once you are done with your flight, press the "Landing" button and the drone will gradually descend and land safely 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


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 (depend on your operating system) or search for RC PRO FPV app in your cell phone's app store. Turn the drone's power on and look for a red light named "WiFi" (through your drone's WiFi settings menu) and connect to a New brand RC PRO FPV app and press the "Start" button and the Live streaming will display to you cell phone screen. Use buttons on the top of the screen to take videos, pictures and more.

13 FLIGHT ENVIRONMENT:



Avoid operating the drone under the down conditions in order to avoid potential damage.

14 TROUBLE SHOOTING

14.1 Transmitter is not pairing with the drone
 Solution: Turn off the transmitter, disconnect and reconnect the battery and try again.
 14.2 Drone not working well.
 Solution: 1. Battery voltage too low: 2.5V.
 3. Make sure the drone on the horizontal position.
 4. Fly condition.
 14.3 Drone is E.
 Solution: 1. Press right lever, change to flip mode.
 2. Check if the power is too low and needs to be recharged.
 14.4 Drone is shaking with noise.
 Solution: Check if the motor canopy/body and propellers are at properly position.
 14.5 Camera is not working.
 Solution: 1. Verify installation of all parts. All drone are marked with "A" on "B" and should be placed on the right motor (marked "A" or "B") respectively for correct order.
 2. Check drone canopy / drone or not stuck 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 cover light will be abnormality flashing.

Caution: The drone has the potential to cause injury, please use responsibly, please read the manual and the regulations.
 We believe that you should make the most out of your drone. If you are not 100% satisfied, please contact our website for a list of our retailers. WWW.RCPRO.CA