

AGES 14+

PRO26

INSTRUCTION MANUAL



2.4G FPV DRONE WITH AUTO-HOVERING



FPV STREAMING



720P CAMERA



AUTO-HOVERING



14 MINUTES
FLYING TIME

Always fly your drone safely and legally. Learn the rules and regulations in your airspace and always follow them.

INTRODUCTION

Thank you for purchasing the PRO26 Drone. Please read all instructions and warnings carefully before operating. Please also keep this instruction manual for future reference and maintenance.

IMPORTANT:

1. This drone is not a toy. It may cause injury or damage if not used properly under a controlled environment. Always make sure you practice flying this drone in an open airspace area while following the rules and regulations which applies to the area to avoid any potential damage or Injury.
2. This product is suitable for experienced UAV pilots no less than 14 years of age.

SAFETY PRECAUTIONS:

1. Keep it far away from any structures or crowds.
This R/C drone may vary slightly in speed or sensitivity while flying and can cause potential danger. Therefore, please keep it far away from crowds, buildings, trees, structures, high-voltage wire, etc. Please also avoid flying in adverse weather conditions such as rain, electrical storms, and high winds to ensure safety of the user, any spectators, and surrounding property.
2. Keep it away from any moist environment.
The inside of the drone is composed of many precision electronic and mechanical parts. Therefore, please try to avoid any moisture or water content from entering the main body of the drone as it may cause a breakdown of the mechanical and electronic parts and thus cause an accident.
3. Only operate with included parts for intended use.
Always use original parts made and authorized by RC-PRO for replacements and maintenance to insure flight safety.
DO NOT use for any illegal purpose or use beyond the scope of which your local laws and regulations have stipulated.
4. Do not operate under the influence of drugs or alcohol.
Please operate this R/C drone according to your own state and flying skill. Any fatigue, bad mental state, or incorrect operation may increase the probability of accidental risk.
5. Store it in a cool, dry place.
The R/C drone is composed of material such as metal, fiber, plastic, electronics, etc. Therefore, please keep it away from any heat source and avoid prolonged exposure to direct sunlight. Excessive heat exposure can cause distortion and damage.

WARNING

DO NOT operate drone in a crowded area. Unexpected conditions, technical issues or improper assembly may cause unplanned manoeuvring, which can cause serious injury and/or property damage. The operator of this product accepts all responsibility for any damages caused by its misuse.

1. KEEP AWAY from people and obstacles including high-rise buildings, high voltage wires, etc.
2. DO NOT store the drone in a damp environment. The drone's interior is composed of delicate electronic components and mechanical parts, which can be seriously damaged by moisture.
Please take serious care, as this type of damage may not be visible on the outside, but can cause the product damage or act unpredictably once in use.
3. Always operate with safety in mind. DO NOT use this drone under the influence of drugs or alcohol, or in the case of fatigue, as improper operation can cause serious injury and/or property damage.
4. KEEP AWAY from rotating parts once the drone is in motion. Propeller blades can cause serious harm to people and property.
5. DO NOT store or operate in high heat, as electrical components can be damaged.
6. Small parts are included with this product. Please place it beyond the reach of the children to avoid a CHOKING HAZARD or parts being mistakenly swallowed.
7. Only the original charger made from our factory can be used.
8. Charger is not a toy.
9. Engine will heat up. Please DO NOT touch it to avoid being burned or injured.
10. Mini USB 5V wall charger recommended for charging. DO NOT use any charger stronger than 5V. (The current cannot be >1A)
11. Always operate your drone within eye sight.
12. Never fly over groups of people.
13. Never fly over stadiums or sports events.
14. Always understand and comply with airspace rules and regulations.

RECHARGEABLE BATTERY

Connect the drone battery to the charger. Plug the charger into a power outlet and fully charge (about 120 mins). **DO NOT LEAVE CHARGING BATTERY UNATTENDED.** Battery may be warm when charging is complete. Disconnect the charger from the outlet, then the battery from the charger.

BATTERY PRECAUTIONS

- Non-rechargeable batteries cannot be recharged
- Do not dismantle or short circuit batteries
- Keep batteries away from heat and flame
- Charge rechargeable batteries under adult supervision
- Remove rechargeable battery from drone before charging and when not in use
- Remove battery before cleaning
- Regularly check all wires, plugs and batteries to ensure proper performance and safety. In case of damage discontinue use until repair

Lithium Battery Safety Precautions

Our company is not liable for any damages incurred by the appropriate or inappropriate use of this product.

Warning:

Check all batteries before charging and before use. Do not use or charge damaged batteries. Do not over-charge batteries. Keep batteries away from heat and flame. Lithium is highly reactive with water; always keep batteries away from water and humid conditions. Keep out of reach of children and pets. Product should not be used by persons under 14 years of age, and should be accompanied by an adult until 18 years of age. Our company is not liable for any damages resulting from improper use or handling of the product.



WARNING: Product should only be used by adults and children 14 years and older. Adult supervision required for children under 14 years of age.

WARNING: CHARGING OF THE DRONE BATTERY MUST BE SUPERVISED AT ALL TIMES BY AN ADULT. UNPLUG THE BATTERY WHEN FULLY CHARGED. DO NOT OVER-CHARGE THE BATTERY.

PRODUCT PACKAGING CONTENT



Drone X1



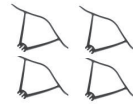
Transmitter X1



Battery x1



Blade A/B X1



Blade Protector X4



USB Charging Cable X1



Landing Gear Cover X4



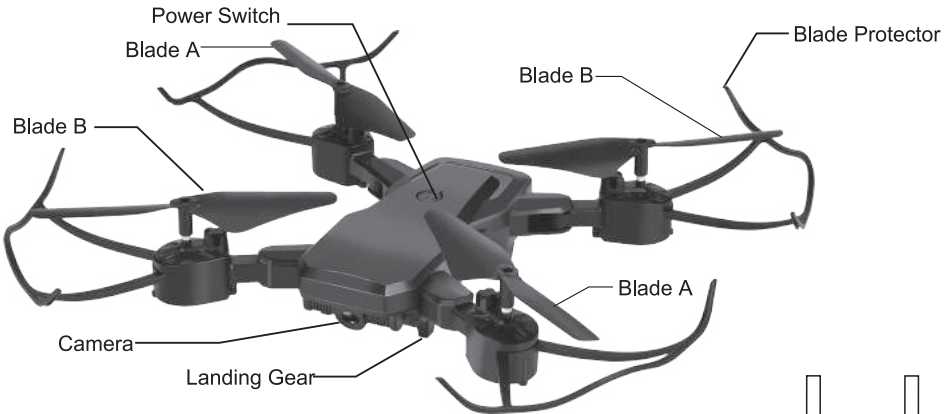
Screwdriver X1



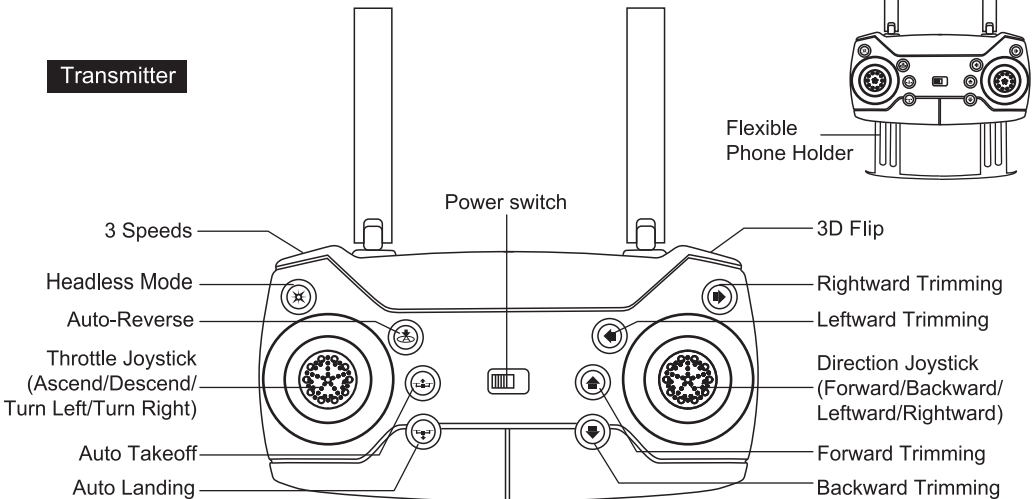
Instruction Manual X1

PART IDENTIFICATION

Drone



Transmitter



This 2.4G remote control features a low-voltage indicator which will beep twice when it is time to replace the "AA" batteries.

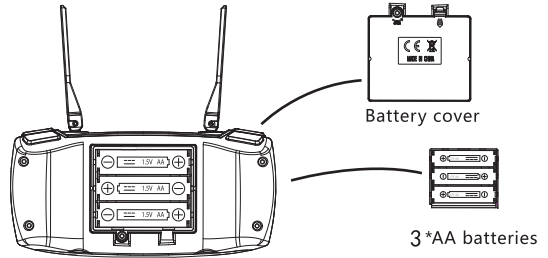
BATTERY INSTALRATION AND CHARGING

Battery installation of transmitter

1. Remove the battery cover.
2. Install 3 "AA" batteries, according to the correct polarity.
3. Close the battery cover.

Attention

1. Install batteries with correct polarity
2. Do not mix old and new batteries
3. Do not mix different types of batteries

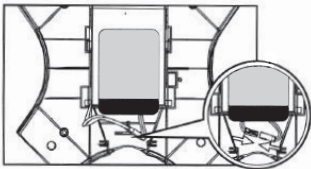
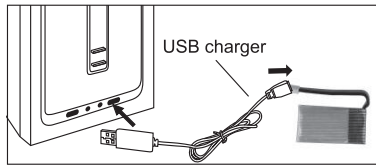
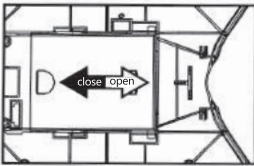


Lithium Battery Charging

Remove the battery from the drone, and then plug the USB cable into the USB port of the computer or other USB charger. The indicator light will be off.

Connect the plug of the battery with the socket on the USB charging cable. The indicator light is on during charging, and indicator goes off when fully charged.

Charging time is around 120 mins. Flying time is around 14 mins.

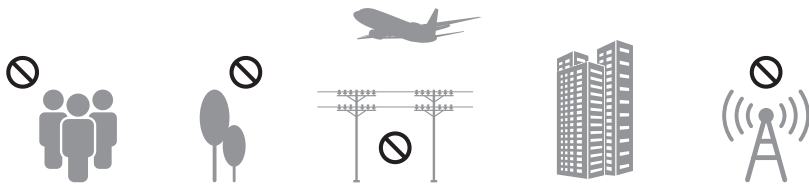


Note: The USB charging cable can be connected to most smartphone chargers or mobile power sources or USB interface in automobiles. The voltage in USB interface is $5V \pm 0.5v$. (The current cannot be $> 1A$)

CAUTIONS WHEN CHARGING:

1. When charging, please put this product in a dry ventilated area and keep it far away from heat sources or flammable products.
2. When charging, it is recommended to remove the batteries from the drone. Charging process should be supervised by an adult so as not to cause an accident. The battery can also be charged while in the drone.
3. After flying, please do not charge the battery if the surface temperature is still warm. If the battery has been used for a long time, or appears to be swollen, please replace them.
4. Please make sure that you use the original USB charging cable provided.
5. A battery when not in use for a long time will lose its charge automatically. Charging or discharging too often may reduce the life of the battery.

PREPARATION FOR FLIGHT



Please choose the spacious indoor or outside environment for flying. Do not fly under rain, wind or snow condition. When flying, please DO keep it far away from the crowd, tree, electric wire, skyscraper, airport or signal transmitting tower, etc.

Step 1: Protector kit installation

Install the protector kit as shown in Image 1. And pull it out by hand if needs remove.

Step 2: Preparing to fly

1. Open the PRO26 battery cover and connect the power plug to the battery.
2. Hold the power button down for 2 seconds and the PRO26 LED lights will start flashing.
3. Place the drone on a flat surface with open space around. Position the drone with the camera facing forward.
4. Slide the remote's power switch to "on" position and you will hear a "beep" sound and the remote's red light will start flashing.
5. Push the remote's left stick up until you hear a "beep" sound then pull the left stick down and you will hear "beep" sound again. The PRO26 will pair with the remote control and the LED lights will stop flashing.
6. Press the "Auto Takeoff" button(Image 2) and enjoy your flight.

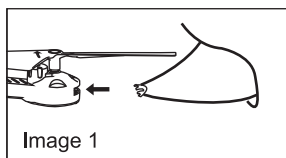


Image 1

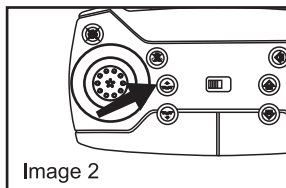
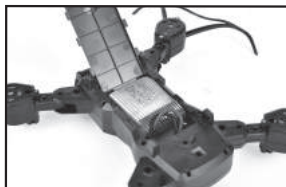


Image 2

Step 3: Drone calibration

After pairing the drone with the remote control, place the drone on a flat surface and hold the "left joystick" and "right joystick" towards the bottom center until the LED lights flashes, as shown in Image 3. After the calibration is completed, the LED lights will return to normal. (When the drone is offset in any direction and trimming cannot be adjusted, this calibration can be used for repairing.)

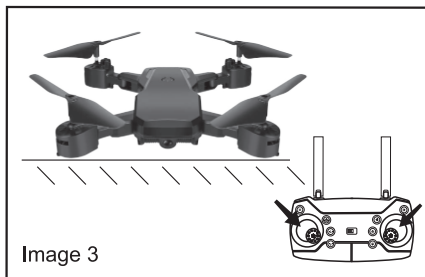

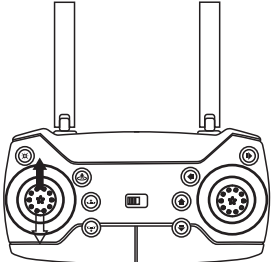

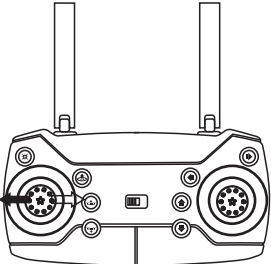

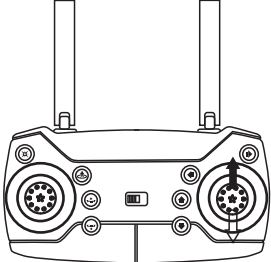

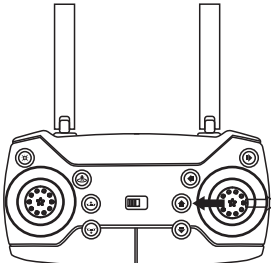


Image 3

Automatic hovering system


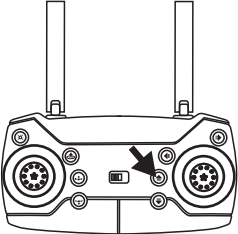

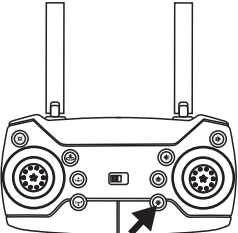

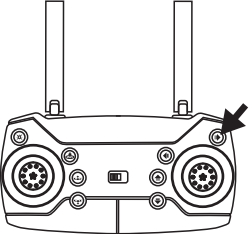

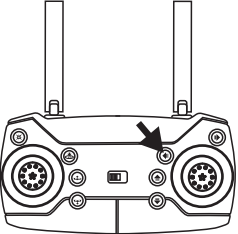
This drone adopts "barometer" module to achieve fixed height and hovering; use the left joystick (accelerator) to control the drone's altitude.

OPERATING INSTRUCTIONS

<p>Ascend ↑</p>  <p>Descend ↓</p>	<p>Push the left lever (accelerator) up and down, The drone will ascends and descends accordingly.</p> 
<p>Right turn</p>  <p>Left turn</p>	<p>Push the left lever (accelerator) leftward and rightward, the drone will turn left and turn right accordingly.</p> 
<p>Forward</p>  <p>Backward</p>	<p>Push the right lever (swerving rudder) forward and backward, the drone will go forward and backward accordingly.</p> 
<p>Leftward</p>  <p>Rightward</p>	<p>Push the right lever (swerving rudder) leftward and rightward, the drone will go leftward and rightward accordingly.</p> 

TRIMMING INSTRUCTIONS

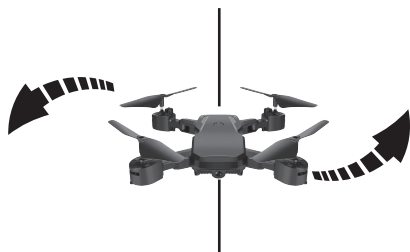
Trimming is manual adjustment of the drone's flight angles. It should only be used when the drone is drifting instead of hovering in a secure space with no wind. Please follow these instructions in order to trim your drone:

 <p>If the drone floats backward, press “▲” to adjust.</p>	
 <p>If the drone floats forward, press “▼” to adjust.</p>	
 <p>If the drone floats leftward, press “▶” to adjust.</p>	
 <p>If the drone floats rightward, press “◀” to adjust.</p>	

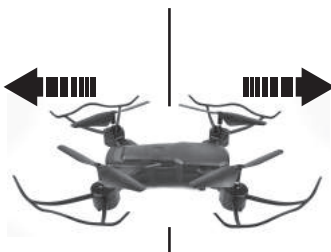
Repeat the steps above until the drone hovers in the same spot.

FLYING EXERCISES

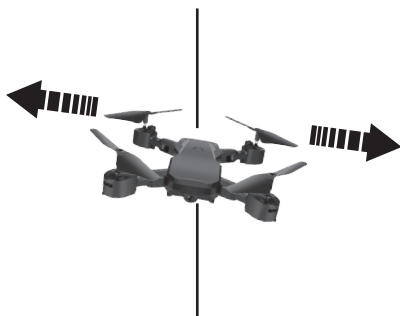
Master the following functions properly and you are ready to fly



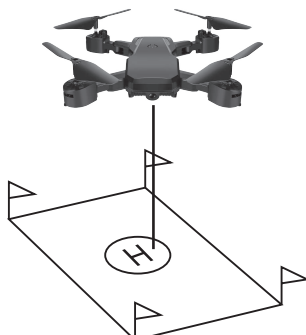
precise rotating



forward and backward



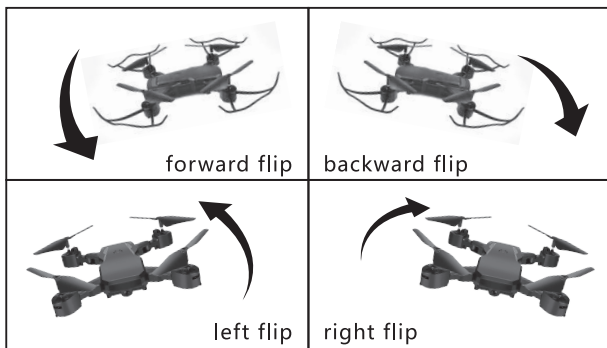
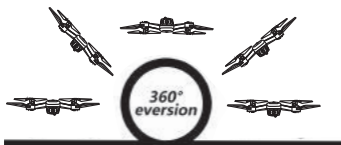
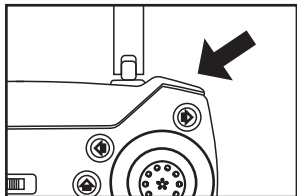
sideward fly



precise landing

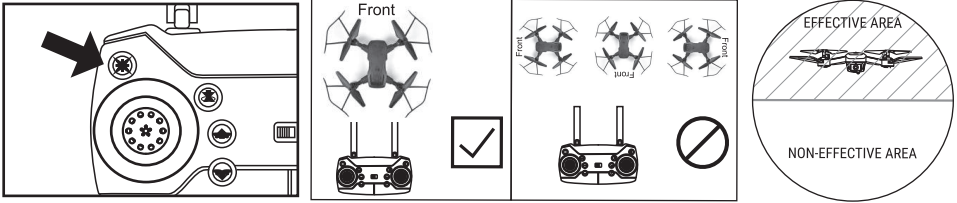
3D FLIP

Once you have mastered basic functions, try out the 3D flip function! Make sure the drone is at least 3m above the ground and shortly press the 3D flip button (as shown), then move the right lever in the direction of your intended flip (Pressing upward will flip the drone over forward, etc)




HEADLESS MODE

Please put the drone in a forward-facing position. After syncing, but before take-off, press the Headless Mode button on the remote control and to enter Headless Mode and LED lights on the drone will keep flashing, from this point your Forward/Backward will be the Drone's Forward/Backward regardless of which direction the Drone's nose points. Press it again to exit Headless Mode.



AUTO-REVERSE FEATURE

In headless mode, press the AUTO-REVERSE button “” and the drone will automatically return backwards. At this point use the right joystick to direct the drone back to you. Use the left Joystick to adjust the flight altitude.

TROUBLESHOOTING

Problem	Reason	Approach
The drone is instable while flying	1. The drone is not trimmed	1. Perform trimming close to the ground (Page 9)
	2. The drone is not calibrated	2. Perform gyroscope calibration (Page 7)
	3. The drone's blades are damaged	3. Replace the blades according to (Page 5)
	4. Wind is too strong	4. Do not fly in windy conditions
Remote control status light does not light	1. Controller is turned off	1. Turn switch to ON position
	2. Battery is incorrectly inserted	2. Check that batteries are inserted correctly
	3. Battery has no charge	3. Replace the batteries with new ones
Can not Control	1. The remote control is not turned on	1. Press the power switch
	2. The drone battery is not connected	2. Check battery connection of the drone
	3. The remote control frequency has not paired with the drone	3. Turn the remote control off and on again to reset the connection
	4. Wind is too strong	4. Do not fly in windy conditions
The drone will not ascend	1. Rotor speed is too slow	1. Push up on the left lever
	2. Drone battery is too low	2. Charge the drone battery
	3. The blades are not positioned properly	3. Refer to the page 5 for proper blades positioning
The drone crashed instead of land	Improper use of the emergency shutdown feature.	Make sure you use the auto landing button for easy landing

NOTE:

1. The control range can be effected by low battery levels.
2. Try to avoid flying high altitude when the battery level is low.
3. If your drone has physical damage, replace the damaged parts to avoid accidents.
4. Remove the "AA" batteries from the remote control if you are storing your drone for a long period of time.
5. Only use original parts made by RC-PRO when replacing your drone's parts.

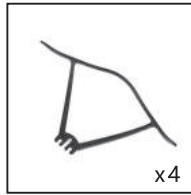
PARTS LIST



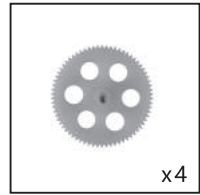
PRO26-01
Upper cover



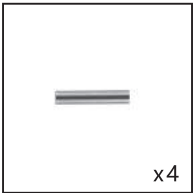
PRO26-02
Base



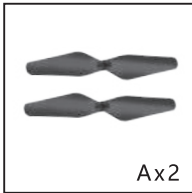
PRO26-03
Blade protector
x4



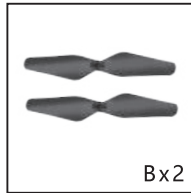
PRO26-04
Gear
x4



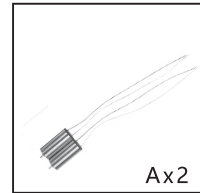
PRO26-05
Gear bushing
x4



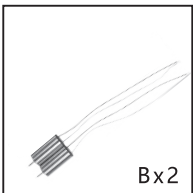
PRO26-06
Blade A
Ax2



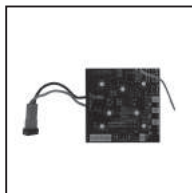
PRO26-07
Blade B
Bx2



PRO26-08
Motor A
Ax2



PRO26-09
Motor B
Bx2



PRO26-10
Receiver board



PRO26-11
Battery
3.7V 1800mAh

LITHIUM BATTERIES WARNINGS AND PROPER USAGE INFORMATION

- DO NOT LEAVE LITHIUM BATTERIES CHARGING UNATTENDAND. You should always remain close to the charging battery to monitor the charging process and react to potential problems should they occur.
- Only use the provided charger in order to charge the included battery. Failure to do so may cause fire, which may result in personal injury and/or property damage.
- Do not charge Lithium batteries inside the model/car/boat etc.
- Do not puncture the Lithium battery.
- Only charge in isolated charging area away from flammable materials and on non-conductive and non-flammable surface. Lithium batteries fires cannot be extinguished with water. If a fire occur, wither cover it with sand or better still salt. On no account use water to extinguish a fire as water acts as petrol for Lithium batteries.
- If at any time you see a part of the battery 'puff up' disconnect from the charger immediately and either cover it with sand, or place in a non-conductive container and place it outside away from all flammable objects for at least 30 minutes.
- Manually check the temperature of your Lithium battery pack constantly during charging. Unlike other types of cells, Lithium cells should never get warm and should stay at the ambient temperature when being charged. If any of the individuals cell within a pack becomes warm/hot compared to the other cells, disconnect it immediately and either cover it in sand or place it in a non-conductive container and place it outside away from all flammable objects for at least 30 minutes.
- Store Lithium batteries in a temperature between 5-27°C (40°-80°F) for best results. The lower the temperature the better.
- Always disconnect the battery from your device/car/boat etc. when not in use.
- Always check the batteries for physical or electrical damage before charging or discharging.
- Do not short wires of your Lithium batteries, this is very dangerous and can cause a fire or even explosion. If you accidentally short wires your Lithium battery. Either cover it in sand or place it in a non-conductive container and place it outside away from all flammable objects for at least 30 minutes.
- Do not 'Top up' your Lithium batteries. Even if you charged them a year ago. Lithium loose less than 1% of their capacity per month just use them and recharge as normal.
- Do not charge cells that have been stored in cold conditions below 10°C/50°F, let them warm up for a minimum of 30 minutes.
- You risk an explosion if you attempt to charge batteries which has been used or stored under 0°C/32°F. Warm them first for at least 60 minutes above 10°C before charging.
- Do not store your Lithium batteries for extended periods of time (more than 1 hour) in a hot place as this may cause them to catch fire or even explode.
- Do not ingest contents of Lithium batteries; if you do accidentally swallow any content of Lithium batteries seek medical attention immediately.
- Keep all batteries out of reach of children.

RC-PRO PRO26 APP OPERATING INSTRUCTIONS

1. Install mobileclient

Scan the QR code to download and install the PRO26 APP.




ISO



Android

2. Connect to PRO26

- ① Connect the battery and turn the drone on.
- ② Go to your device's Wifi connections list.
- ③ Find the drone on the Wifi list and connect to it.
- ④ Open the PRO26 APP and press START  .

3. Main Menu

SETTING, FAQ, START (See Figure 1)



Figure 1



Figure 2



Figure 3

4. Operating Screen

Control the drone and operate functions and features. (See Figure 2)

5. Gesture recognition

Click the  icon of playback interface. (See Figure 3)

Gesture photo

Stand approx. 2 meters in front of the drone and hold your palm flat aside your body and the drone will start a 3 seconds countdown before starting to take photos. (* The time difference between two consecutive gestures recognitions should be greater than 3 seconds.)

(* Some mobile phones do not support this function. Opening the function will cause picture delay.) (See Fig. 4, 5)

Gesture video

Stand approx. 2 meters in front of the drone and hold your fist aside your body and the drone will start a 3 seconds countdown before starting to record video.

(* No gesture recognition while recording video.) (See Fig. 6, 7)



Fig. 4 (correct)

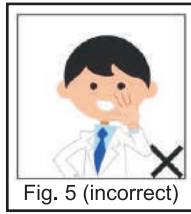


Fig. 5 (incorrect)



Fig. 6 (correct)

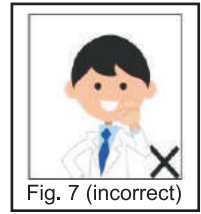




Fig. 7 (incorrect)

6. Audio Editing


Click the  icon to enter the audio library and select background audio track, and then click use to return to the control interface, where there is background music.

7. Manual Focusing


Press and hold the track ball  on the left side of the control interface, and slide to adjust the image focal length (1x - 50x digital magnification).



1X: Turn off focus adjustment, and the image is in default size.

50X: 50 times the maximum focal length.

 : In the process of recording, you can manually adjust the focal length by sliding this key up and down.

8. Special Effects

Filter special effects: On the control interface, click  to enter the filter control interface.

Click  again to display various filter options. After selecting the filter, click  to exit the filter option.

Click  to exit the filter and return to the main control interface.

Note: The PRO26 Wifi camera is only able to connect to 1 device at a time while in operation.

RC-PRO

We believe that you should make the most out of your drone.

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