Press the battery shortly to switch on, hold for 2 seconds to

switch it off.

1. Balanced charging: If the power switch of the quad-copter is on the state ON/OFF, The Quad-copter can be charged. Insert

indicator on the power switch will turn red; when fully charged, the indicator on the power switch is OFF.

adult so as not to cause an accident. The battery can also be charged while in the quadcopter.

the USB cable into the USB port of a computer, and then connect with the charging port of the drone. When charging, the

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 quadcopter. Charging process should be supervised by an

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

5. A battery when not in use for a long time will lose its charge automatically. Charging or discharging too often may reduce







# **GPS SHADOW** DRONE

INSTRUCTION MANUAL

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RATION ... VIDEO-RECORDING. MS AND SOLUTIONS ..



IMPORTANT:

Thank you for purchasing the P70-GPS Shadow Drone. Please read all instructions and warnings carefully before operating. Please also keep this instruction manual for future reference and maintenance

1. This product is not a toy. It is a precision device; integrating machinery and electronics with air mechanics and high frequency transmission. It requires correct assembly and debugging to avoid any accident. The user should operate and control this product in a safe

3. In the event of a problem during using, operating, or maintenance, please contact the local sales agent or retailer or keep in touch with

manner. In case of incorrect operation, it may cause serious injury or damage property. It can also be lost due to incorrect operation. This product is suitable for experienced UAV pilots no less than 14 years of age.

### **SAFETY PRECAUTIONS:**

the responsible staff of our company

This R/C flying model can be dangerous when in use, please make sure you keep it far away from any persons or spectators when flying.Incorrect installation, poor conditions, or users not familiar with operation may cause damage to the aircraft or injure people or may cause an unexpected accident. Please pay close attention to flying safety and learn to recognize more dangerous conditions which may cause an

Keep it far away from any structures or crowds.

- This R/C aircraft 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 aircraft 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 aircraft 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.
- Please use the original parts made by Promark for any re-equipping or maintenance to ensure flying safety. Please operate and use only under the scope of the product function permitted. Using un-approved parts will void warranty.

  DO NOT use for any illegal purpose or use beyond the scope of which your local laws and regulations have stipulated.
- New users may have certain difficulties during the early stages of learning to operate this aircraft. Please try to avoid operating the aircraft alone. When available, always operate this aircraft under the guidance of a more experienced user.
- 5. Do not operate under the influence of drugs or alcohol. Please operate this R/C aircraft according to your own state and flying skill. Any fatigue, bad mental state, or incorrect operation may
- increase the probability of accidental risk.
- 6. Please keep a safe distance from aircraft when using top speed.
- When the operator is flying in high speed, please keep the aircraft far from the pilot and any surrounding persons or objects so as not to
- cause danger or damage. 7. Store it in a cool, dry place.
- The R/C aircraft 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.

• NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

- · However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct
- the interference by one or more of the following measures: Reorient or relocate the receiving antenna.
- · Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. • Consult the dealer or an experienced radio/TV technician for help.
- Please note that changes or modifications not expressly approved by the party responsible for compliance could void the use's authority to

loses it's balance after crashing

2. The motor doesn't work properly. | 2. Replace the motor

If you are using an SD Card, photos and videos will automatically be saved directly to the card.

NOTE: when using the Promark GPS app, photos and videos will automatically be saved to your smartphone.

ter is taking photo. When you press the video button, the red light turns into constant on, that means the quad

When you press the power button on the remote control, the red light will flash once, that means the quad-cop-

Three-axis acceleration sensor

The blades distorted.

2. The blades distorted

drone.

1. Insufficient battery power

.. Insufficient battery power

1. Remote is not synced to the

NOSA3A

copter is taking video. Press the video button again to stop video.



- HD Camera

-- Blade cap (6 PCS)

Screw (16 PCS)

CCCew driver (1 PCS)

Restart and re-calibrate the drone

l. Replace the blades

Replace the blades

Replace the blades

Recharge the battery

Recharge the battery

re-sync the drone.

1. Refer to the Quick Start guide and

COUNTERMEASURES

(bebulonl) TSIJ STAA9

Drone is unstable after

Lue dagcobiel suakes

frone cannot takeoff.

when operating.

The blades spin, but the

no response from the drone

THE PROBLEM

Drone lights flashing and

Drone cannot stay balanced | 1. The blades distorted



This Transmitter must be installed to provide a separation

distance of at least 20 cm from all persons.

(SD Card available separately) . soobiv bns sotodq The blue indication light on the webcam module will constantly be on, and the camera is ready for poffom of the quad-copter, connect the quad-copter's power, and sync quadcopter and remote control. Insert the optional SD card (not included) into the webcam module's card channel which is on the

CAMERA CONFIGURATION

of the goggle. You are now ready to enjoy the full-immersive VR experience. center the screen. Close the front cover and focus the picture by adjust the width and depth toggles on the top a split screen. Once the screen is split, place your smartphone into the Promark VR Goggles (included), and The Promark GPS app is equipped with a Virtual Reality mode. When initiated, the app will convert the video into

There is important information contained in this package and instruction manual, please keep it for future reference.

Playing on the road or near high traffic areas is strictly FORBIDDEN so as not to cause an accident.

0. Please DO NOT disassemble or re-equip the aircraft as it may cause a breakdown of the aircraft during flying.

Please dispose of the packing material timely so as not to cause injury to children.

object when charging. Please keep this aircraft within eyesight when charging.

. Engine will heat up. Please DO NOT touch it to avoid being burned or injured.

23. Please DO NOT close this product to your ear as it may cause injury to your hearing.

24. Mini USB 5V wall charger recommended for charging. DO NOT use any charger stronger than 5V.

RNING: Do NOT fly drone near airports or any other un-authorized areas.5 miles from airports.

ad: Academy of Model Aeronautics (AMA) Know Before You Fly important information brochure

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

wall rules for Federal Aviation Administration (FAA) regulation summary for Small Unmanned Aircraft Systems (sUAS).

WARNING: CHARGE ONLY USING WARNING: CHARGING OF THE DRONE BATTERY MUST BE

FACTORY USB CHARGING SUPERVISED AT ALL TIMES BY AN ADULT. UNPLUG THE BATTERY

CABLE & UP TO 5V WALL PLUG WHEN FULLY CHARGED. DO NOT OVER-CHARGE THE BATTERY.

GPS SHADOW DRONE FCC RF Radiation Exposure Statement Caution:

16. Please DO NOT make it short-circuited or squeeze the battery so as not to cause an explosion

8. Intelligent lithium battery is loaded in the Quad-rotor. Both built-in or external can be used for charging.

near the high temperature or heated area (such as near the fire or near the electric heating device).

12. Built-in rechargeable 3.7V lithium polymer battery included in the transmitter.

13. Only the original charger made from our factory can be used.

7. DO NOT mix the Li-ion battery with a different type of battery.

26. Fly at or below 400 feet and stay away from surrounding obstacles.

which may cause injury.

under 14 years old.

the product.

Charger is not a toy.

27. Keep your UAS within sight.

Never fly over groups of people.

CHOKING HAZARD -Small parts.

Not for children under 3 years.

PROMARK

29. Never fly over stadiums or sports events.

30. Understand airspace restrictions and requirements.

assembled by an adult.

You have the responsibility to make sure that this model of aircraft won't cause injury to others' body or cause any damage to property

Please operate strictly as shown on the instruction manual when debugging or assembling this aircraft. During the process of flying or

landing, please pay more attention to keep 1-2 meters between the user and the aircraft to avoid colliding to the head or face or body,

4. Our company and distributors won't be responsible for any incorrect operation, which may cause loss or damage or injury to the body.

7. Small parts are included with this product. Please place it beyond the reach of the children to avoid a CHOKING HAZARD or parts being

11. Batteries in the battery compartment of the charger should be inserted into the designated power source which has the same logo as

15. When charging the battery, please conduct it under the surveillance of an adult. Please also keep it far away from any combustible

19. Please DO NOT make the battery short-circuited or decompose the battery or throw the battery into the fire; DO NOT place the batteries

where having the magnetic object nearby as they may cause interference with each other.

Please keep the safe distance from the high-speed rotating rotor so as not to cause twisted or danger of being wounded or being cut.

25. To comply with the command of the magnetic environment requirement formulated by the Aviation Radio Bureau and the related authority,

during the regulated period in certain areas, please stop using the transmitter of this model when such regulation command is issued.

صنعت وفظا للمواصفات والمعايير العالمية

FAA REGISTRATION: PLEASE FOLLOW ALL FEDERAL, STATE AND LOCAL FAA LAWS. YOU MAY BE REQUIRED TO REGISTER YOURSELF AND YOUR DRONE WITH THE FAA. MORE INFO CAN BE FOUND AT: HTTPS://WWW.FAA.GOV/UAS/GETTING\_STARTED/
After receiving the certificate of registration, you must mark your unique FAA registration number on the Drone by any means, such as permanent marker, label, engraving. This number must be readily accessible and maintained in a condition that is readable and legible upon close visual inspection.

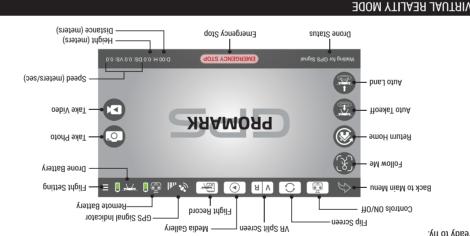
Tested according to international standards | MADE IN CHINA

20. Aircraft should be kept far away from any other electric compliance or equipment as far as possible or kept far away from the place

5. Children ages 14 and up should use this product under the guidance of an adult. This product is FORBIDDEN to be used by children

6. Please correctly assemble and use this product as shown on the instruction manual or packing instruction. Some parts should be





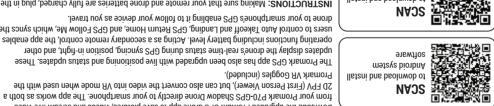
Wait until the Drone Status says "Ready to Fly" before initiating flight. This will ensure that your GPS is synced and your drone is

### **МОІТОООСТІОИ**

Mpple IOS system

procedure and begin flying your Promark GPS Shadow Drone! settings and open the Promark GPS app and click "QUICK START" to begin your GPS pairing drone battery and turn on the drone. Once the drone lights up, go to your smartphone and access your WIFT settings, and search for the "PROMARK-xxxxxx" WIFT signal. Once connected, exit your INSTRUCTIONS: Making sure that your remote and drone batteries are fully charged, plug in the drone to your smartphone's GPS enabling it to follow your device as you travel. users to control Auto Takeoff and Landing, GPS Return Home, and GPS Follow Me, which syncs the operating functions including battery level. Acting as a secondary remote control, the app enables

Download the upgraded Promark GPS drone app to save pictures, videos and stream live video

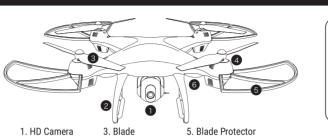


**Р**ВОМАВК GPS APP

- . Use a clean soft cloth to clean this product frequently.
- . Avoid heating or prolonged exposure to the sun. 3. Don't put the product in water. It will damage electronic parts.
- 4. Please check the plug and other accessories atregular intervals. If there is any damage, please stop using it immediately until it is repaired completely.

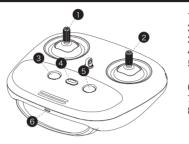
LED indicator

### PARTS



REMOTE CONTROL

Landing RackMotor



- Throttle joystick Direction joystick
- 3. Press for one button RETURN HOME; press again to cancel Return Home.

Battery power indicate

USB charging port

Battery switch

- 5. One button take off with auto hover, one button landing
- Hold 3 secs for Emergency stop.
- 6. USB charging port.
- Speed+/Speed-.
- 8. Click once, enter Follow-me mode; Click again, cancel the follow-me mode. Hold the button for 3 seconds, enter Trim mode. Click the button, cancel Trim mode.
- Note: No need to trim under the GPS mode. 9. Click once to toggle headless/normal mode. Hold the button for 3 seconds
- to turn off GPS mode. 10. Adjust the angle of camera: Spin button down: camera down. Spin button
- 1. Click the button to take photo. 12. Click the button to take video; Click the button again to cancel video mode.
- Phone Holder 14. Power 15. Speed

up: camera up.

- 16. Video 17. Return Home
- 18. Charging
- 19. Headless Mode
- 20. Follow-me
- 21. Trim-See #8 above for access to trim mode



**14 15 16 17** 

18 19 20 21

transmitting tower, etc.

Remote Battery: 3.7V 300mAh Lithium-ion

 Quadcopter Battery: 7.4V 2,500mAh Lithium-ion Flight time: about 12 mins Video Transmission Distance: Up to 490" (150 meters) Control Distance: Up to 1,640' (500 meters)

App Drone Status: "Ready to fly" - Blue (back) and white (front) lights are all solid (no blinking) Once the lights have switched to all solid, you are ready to fly!

- App Drone Status: "Waiting for GPS signal" \* I nis process can take a tew minutes.

finalizing its GPS calibration\*. Lights return to rapid-blinking blue (back) and white (front) — This means the drone is Zet drone back down to level surface.



App Drone Status: "Compass calibration okay" Front lights will turn to a solid white - From the bottom, hold the drone face-down and rotate the your body in one full circle



- Back lights will turn to a solid blue - Keeping the drone level, pick up the drone from the back and rotate your body in one full



- App Drone Status: "Compass calibration" - Lights rapid-alternate between blue/red (back) and white/red (front) - Joysticks at the 1 & 11 o'clock positions Step 4: Initiate GPS Compass Calibration



- App Drone Status: "Gyroscope is being calibrated" "Gyroscope okay" - Lights rapid-blinking blue (back) and white (front) - Press the Joysticks into the 11 & 1 oclock positions



GPS САLІВВАТІОИ (СОИТІИИЕD)

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Headless Mode. less Mode. Press it once again to exit on the remote control and to enter Headtake-off, press the Headless Mode buton ing position. After syncing, but before Please put the quadcopter in a forward-fac

### EADLESS MODE

-OLLOW ME

set the new drone neight.

\*Use in open area and be mindful of your surroundings. Drone is NOT equipped with obstacleavoidance. Promark is not the signal loss from surrounding buildings, trees, or congestion from too many mobile phones in the area. 1. "Phone signal too weak": This means that the phone's GPS signal is too weak to connect to the drone. This could be due to Common problems: 4. To disable Follow Me mode, simply click the "Follow Me" button on the remote control or app interface.

responsible for damage to persons or property due to operator error, or when drone is in Follow Me mode.

Wait for the Promark GPS app Drone Status to read "Follow Me ready" — the drone will now follow the phones coordinates. Click the "Follow Me" button on the remote control or app interface Set drone to desired height and position. Note: make sure camera is pointed in desired direction and angle. (smartphone and Promark GPS app required, not included).\*

When the Follow Me function is enabled, the drone will sync to the GPS in your smartphone to follow you wherever you go

the current height. Push the throttle lever up and down, to increase or decrease the height accordingly. Release the throttle to ATTER SYNCING YOUR QUARCOPTER, PRESS THE UNE-KEY 1 ARE-OTT TO BEGIN YOUR TRIGHT. THE QUARCOPTER WILL HIT OTT AND STAY STEADINY AT **SECIZION HOLD** 

## \*WARNING: This drone is NOT equipped with obstacleavoidance.

When initiating the Return Home or Follow Me functions, surrounding the Quadcopter. Be aware of your surroundings.\* Be ready any time for manual control the Quadcopter or click the "STOP" on the screen in case of any Emergency Condition. avoid any accident (such as colliding accident) Intough manual operation.

2. Pay more attention to the surrounding object of the Quadcopter (especially the backward or the left or right direction) and branch or electric wire etc.) or the transparent object (such as the glass or water). 1. Please avoid the following objects on the track of the Quadcopter for example, the people, animal, tiny things (such as the

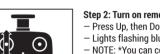
### BE AWARE OF YOUR SURROUNDINGS

orner Quadcopter, people or animal after losing power.

2. Please make sure the Quadcopter can return and make landing in order to prevent the Quadcopter from causing danger to steering direction of the Quadcopter so as to fly it to the appropriate area for landing. operate the transmitter any more. If it is not safe, you can push the throttle lever to raise the flying height and control the When there is insufficient power, the Quadcopter will start Auto-Return. When safe return is confirmed, please DO NOT CAUTION:

INSUFFICIENT POWER

Step 1: Turn on drone and set down on a level surface\* O I O - \*The drone will auto-trim to this level surface. – All lights blinking red



Press Up, then Down on the left joystick

Lights flashing blue (back) and white (front) NOTE: \*You can connect to the WiFi at this time to view the current drone status on the Promark GPS App, or wait until after GPS is calibrated.

PROMARK

OUADROTOR LI-POLYMER

**CAUTIONS WHEN CHARGING:** 

LITHIUM BATTERY CHARGING INSTRUCTIONS

time, or appears to be swollen, please replace them.

PREPATATION FOR FLIGHT/GPS CALIBRATION

Please choose the spacious indoor or outside environment

for flying, also it requires that it should be flied under the

weather of non- snow or non-storm with wind force less

the crowd, tree, electric wire, skyscraper, airport or signal

than Level 4. When flying, please DO keep it far away from

2. Quad-copter can be charged by the mobile power or car-loaded power.

4. Please make sure that you use the original USB charging cable provided.

DISCLAIMER: You must use the original USB cable and standard 5V wall charger.

WARNING: Never charge with an input stronger than 5V. This can cause the battery to overheat.

3. Full charging time takes about 6 hours, Flight time about 12 minutes.

3. Take photos and video by the transmitter . Easily to replace the battery . With colorful flashing lights 5. With 2.4GHz Radio Control Technology

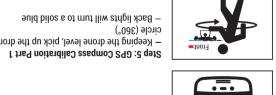
 With blade protector 3. With Headless Mode OHYO SIXA-6 IJIW .2 l. Intelligent Tracing

**KEY FEATURES OF QUADCOPTER** 

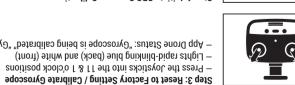
Step 7: Finalize GPS Calibration

 $(390^{\circ})$ 

Step 6: GPS Compass Calibration Part 2







PICTURE & VIDEO-RECORDING

COMMON PROBLEMS AND SOLUTIONS