

### CONTENTS

DISCLAIMER AND SAFETY GUIDELINES	01
MAINTENANCE AND CARE	21
PRODUCT OVERVIEW	04
FLIGHT PREPARATION	06
FLIGHT OPERATION GUIDE	09
Remote Operation Guide	09
Pair the Remote with the Drone	09
Flight Calibration	11
1. Compass Calibration	11
2. Gyro Calibration	12
GPS Satellites Searching	12
Connecting to Your Mobile Device	14
App Downloading and Installation	14
App Launch	14
Flight Instructions	16
Take-off	16
Flight Directions	17
Photo/Video	18
Camera Tilt	18
Speed Switch	18
Headless Mode	19
Attitude (ATTI) Mode	20
Return-to-Home (RTH)	21
Smart RTH	21
Fail-safe RTH	22
Low Battery RTH	23
Landing	24
App Operation Guide	25
Function Overview of the App	25
Settings	26
Take-off	27
Point of Interest (POI)	27
Mark and Track	29
Follow Me	30
Waypoints	30
Photo/Video	32
Gestures for Photo/Video	33
Smart RTH	33
Landing	33
TROUBLESHOOTING	34
SPECIFICATIONS	36

### DISCLAIMER AND SAFETY GUIDELINES

Please read the disclaimer carefully before using this product. By using it, you hereby agree to this disclaimer and signify that you have read them fully.

- Before flying, please make some practice with a simulator or seek for the instruction from a professional.
- DO NOT fly above or near obstacles, crowds, open water, public road, high-voltage power lines or trees.
- DO NOT use the drone in severe weather conditions, such as a rainy day or windy day (the wind speed is more than 3.5m/s), snow, hail, lightning, tornadoes, hurricanes, etc.
- DO NOT fly the drone in the magnetic interference area, radio interference area, and government restricted airspace.
- The fast rotating motors and propellers are a potential hazard to cause serious damage and injury. A safe distance of 5m should be maintained from the drone at all times when it is operational. Fly with responsibility.

6. Please maintain line-of-sight of your drone at all times after it is powered up. Do not rely on the camera image to control your drone.

7. This product is not a toy and not recommended for users under age 14.

8. All parts must be kept out of the reach of children to avoid CHOKE HAZARD.

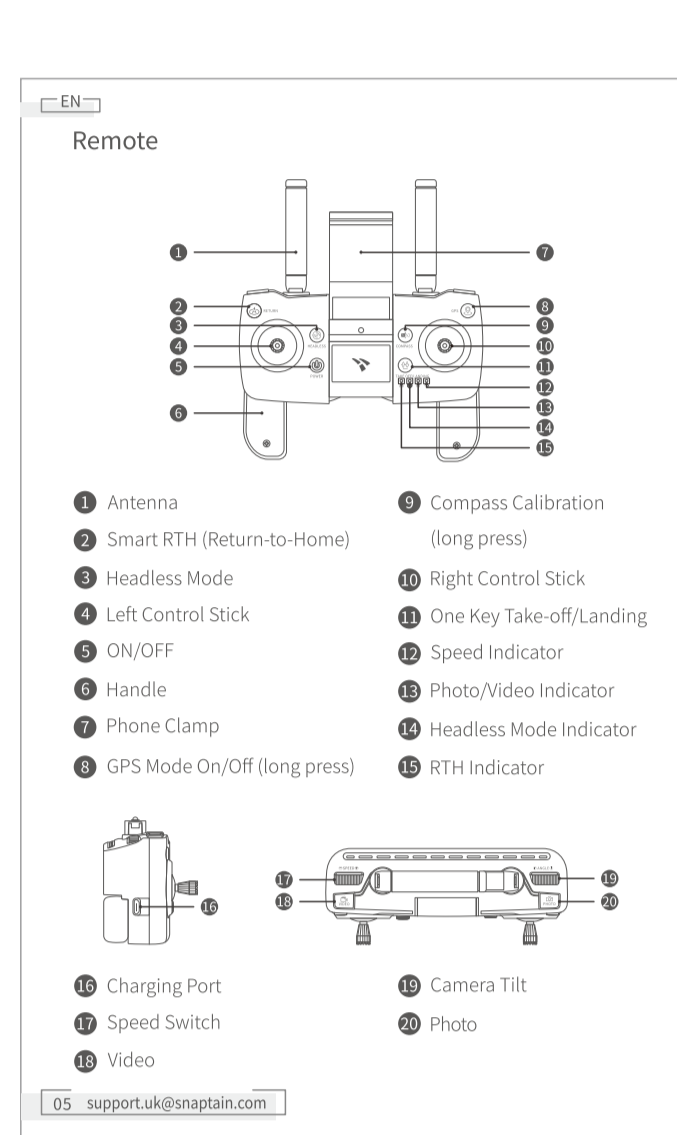
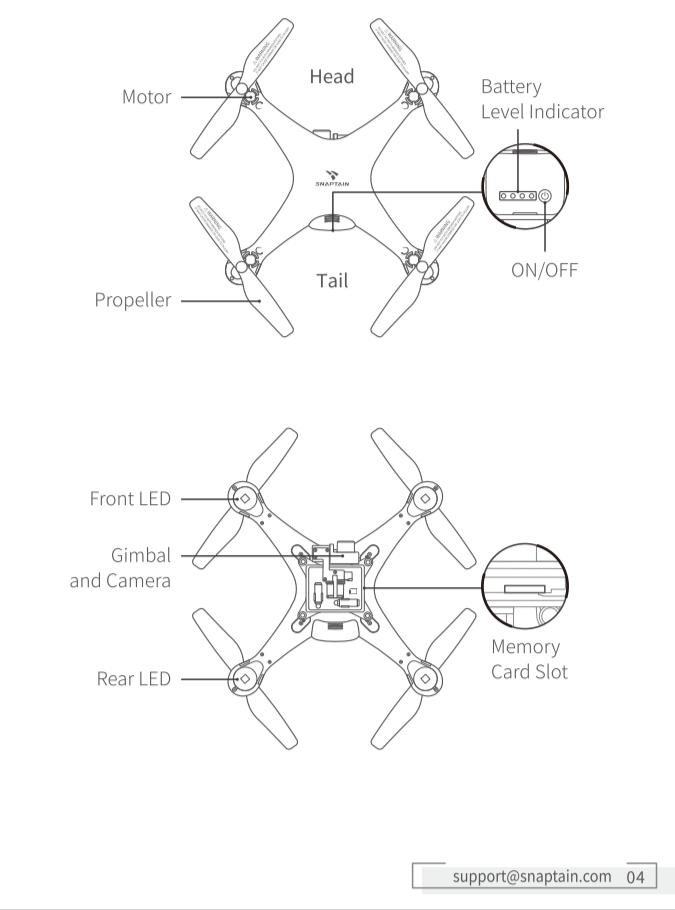
9. CAUTION: Dropping of the drone and batteries in accordance with local regulations. DO NOT throw it as household waste.

10. Do not use or obtain all local regulations, obtain appropriate authorizations and understand risks. Please note it is solely your responsibility to comply with all flight regulations.

SNAPTAIN accepts no liability for damage, injury or any legal responsibility incurred directly or indirectly from the use of this product. The user shall observe safe and lawful practices including, but not limited to those set forth in these Disclaimers and Safety Guidelines. SNAPTAIN reserves the right to update this user manual.

### MAINTENANCE AND CARE

- Thoroughly check the drone after a crash or a violent impact.
- Do not use or store the battery near fire.
- Do not charge the battery if it is hot. Let it cool down first.
- Do not charge the battery next to inflammable materials, such as carpet, wood floors, etc., or on surfaces that are electrically conductive. Do not leave the battery unattended while charging.
- Only use the original USB cable provided. Unplug the charger once the battery is fully charged.
- Remove the battery from the drone if it will not be used for a long time.
- Store the drone and remote in a cool, dry place away from direct sunlight.
- Be sure to clean the battery with a dry cloth to prevent any moisture from getting onto the electronics.
- Do not try to disassemble or repair the product yourself. Please contact SNAPTAIN for more help.
- Please use the original battery provided. Use an incorrect type of battery may lead to fire hazards.
- Do not dispose of the battery in fire or a hot oven, cut or mechanically crush the battery, as this may cause explosions.
- Do not leave the battery in an extremely high temperature environment that can result in an explosion or the leakage of flammable liquid or gas.
- Do not expose the battery to the extremely low air pressure, as this may result in an explosion or the leakage of flammable liquid or gas.



### FLIGHT PREPARATION

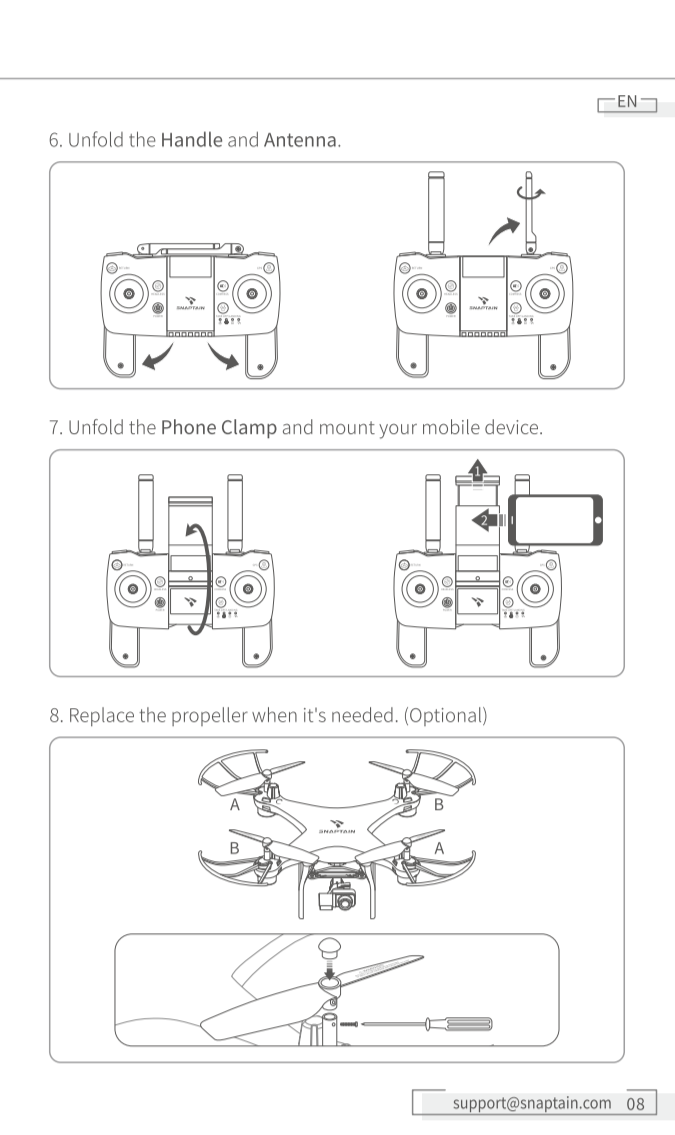
- Install the landing pads and propeller guards into the drone, then tighten the screws.
- Charge the battery of the drone.  
Charging Red LED  
Fully Charged Green LED

**Notes:**

- Please use the original battery and USB cable provided.
- Keep the battery away from any sharp objects that could puncture into the battery to avoid risks of explosion and fire.
- It is not recommended that you charge the battery from the USB port of PC.
- Flight time may be reduced when flying in low-temperature environments.

- Install the battery into the drone after it's fully charged.
- Insert a memory card (not included) into the drone.  
\* Support up to 32GB.  
\* Memory card of FAT32 format is recommended.  
\* Please use a high-speed memory card of a reliable brand.
- Charge the remote.  
Charging Red LED  
Fully Charged Green LED

\* Check the remote battery status on Snaptain Atlas App. They are continuous beeps from the remote when the remote battery is low.



### FLIGHT OPERATION GUIDE

**IMPORTANT**

- Make sure you power on the drone first, then the remote in each flight.
- Do repeat the pairing procedure each time when the drone or remote is reassembled.
- For all flight functions and modes, the operator and tail of the drone must be aligned.
- Do not recommend flying in the open air and within the control range.

#### Remote Operation Guide

##### Pair the Remote with the Drone

Step 1:  
Long press the ON/OFF button for 3s until the four **Battery Level Indicators** light up to turn on the drone. The front LEDs flash red and the rear LEDs flash green when the drone is powered on. Place the drone on a flat surface with the rear propeller up.

Step 2:  
Press the **ON/OFF** button down to turn on the remote, and you'll hear a beep from it.

Step 3:  
Press the **ON/OFF** button again to turn on the remote.

Step 4:  
Push the **Left Control Stick** forward to the top, then pull it backward to the bottom. Pairing is completed when you hear a long beep from the remote. The front LEDs of the drone turn solid red and the rear LEDs solid green.

### Flight Calibration

#### 1. Compass Calibration

Step 1:  
Long press the **Q** button until you hear a beep from the remote to start compass calibration. The front LEDs of the drone flash red and the rear LEDs flash green.

#### 2. Gyro Calibration

Place the drone on a flat surface after finishing compass calibration. Push both control sticks to lower left at 45° and there is a beep from the remote. Gyro calibration completes when the front LEDs turn solid red and the rear LEDs solid green.

#### GPS Mode

The drone is set to GPS Mode by default. In this mode, the drone utilizes the GPS module to locate accurate location, providing precise flight.

**Notes:**

- GPS Mode works only when there is a strong GPS signal. Please fly the drone outdoors.
- We strongly recommend this mode for beginners.

The rear LEDs remain solid green if the drone can't find enough satellites. Please move to another place to fly the drone if you want to take off in GPS Mode.

GPS Mode turns available.

If you will want the drone to take off in GPS Mode is unavailable, you can switch it to Attitude (ATTI) Mode (refer to Page 20).

### Connecting to Your Mobile Device

#### App Downloading and Installation

Download and install Snaptain Atlas into your mobile device on App Store™, Google Play™, or by scanning the QR code below.

**Notes:**

- Google Play™ is a trademark of Google Inc., and App Store™ is a trademark of Apple Inc.

#### App Launch

Step 1:  
Go to the Settings of your mobile device and connect to the drone's Wi-Fi SNAPTAIN-SP600N-xxxxxx.

#### Flight Instructions

##### Take-off

Option 1:  
Simultaneously move the Left Control Stick to lower left at 45° and the Right Control Stick to lower right at 45° until the four rotor blades start rotating, then press the **Q** button to take off.

Option 2:  
Simultaneously move the Left Control Stick to lower left at 45° and the Right Control Stick to lower right at 45° until the four rotor blades start rotating, then slowly push the Left Control Stick forward to take off.

**Tip:**  
Simultaneously move the Left Control Stick to lower left at 45° and the Right Control Stick to lower right at 45° (P+Q) again to make the propellers stop rotating if you don't want the drone to take off after unlocking it.

#### Flight Calibration

Step 2:  
Open Snaptain Atlas and tap Go to enter the operation interface.

#### Flight Directions

##### Left Control Stick

Push the Left Control Stick forward and the drone will ascend, pull it backward and the drone will descend.

Push the Left Control Stick leftward and the drone will rotate to the left, pull it rightward and the drone will rotate to the right.

##### Right Control Stick

Push the Right Control Stick forward and the drone will fly forward, pull it backward and the drone will fly backward.

Push the Right Control Stick leftward and the drone will rotate leftward, pull it rightward and the drone will rotate rightward.

#### Photo/Video

Press the **Q** button to take a photo. Press it again to stop and save the video to your mobile device and memory card.

Press the **Q** button to start recording a video. Press it again to stop and save the video to your mobile device and memory card.

#### Photo/Video Indicator

Take photos or video. Flashing red LED. Recording a video. Flashing green LED.

#### Camera Tilt

Push **Q** forward to tilt the camera upward, push it rightward to tilt the camera downward.

#### Speed Switch

The speed of the drone is set to Low speed by default.

Push **Q** forward to switch to Medium speed and there are two beeps from the remote. Push it rightward again to switch to High speed and there are three beeps from the remote.

#### Headless Mode

Press the **Q** button to activate Headless Mode, and the Headless Mode indicator on the remote starts flashing.

In this mode, the drone will fly following the direction of the Right Control Stick regardless of the position of your drone's head or tail.

#### Attitude (ATTI) Mode

In ATTI Mode, the drone will maintain a specific flight attitude, but it will drift around in the wind.

Option 1:  
Before take-off, long press the **Q** button for 3s until you hear two beeps from the remote to activate ATTI Mode.

Option 2:  
During the outdoor flight, the ATTI Mode will be automatically on if the remote's GPS calibration completes when the front LEDs turn solid red.

**Notes:**

- In ATTI Mode, functions based on GPS Mode, including RTH, Follow Me, Waypoints and POI, can't be activated.
- We recommend ATTI Mode only when the pilot has proficient skills in operating the drone.

#### Return-to-Home (RTH)

When Mark and Track is enabled during the flight, the drone's camera lens will keep pointing at the chosen object. Please make sure you're not operating in a light-filled environment.

Step 1:  
Tap **Q**, then tap **Q** to enable Mark and Track.

Step 2:  
Tap on an object that is framed on the screen. The red frame will turn green on the object that is selected.

#### Current Flight Altitude > Preset RTH Altitude

The drone will directly fly back to its current flight altitude and land.

Press the **Q** button again to cancel RTH and regain control of the drone.

**Notes:**

- The RTH altitude is 20m by default. You can reset it in the Settings app under the Flight System tab.
- During RTH, there are continuous beeps from the remote and the RTH indicator keeps flashing.

#### Fail-safe RTH

Fail-safe RTH will be activated automatically when the drone disconnects with the remote. The drone will fly back to the last recorded Home Point under the control of the flight system itself.

The process of Fail-safe RTH is the same as Smart RTH.

If the connection between the remote and the drone is established, the pilot can cancel RTH by pressing the **Q** button and regain control of the drone. If no operation is performed, the RTH process will continue. When the remote disconnects with the drone and the GPS Mode is not available, the drone will slowly descend from the current altitude till landing.

#### Low Battery RTH

1. The Low Battery RTH will be triggered when the drone battery is low.

2. The Critical Low Battery RTH will be triggered when the drone battery is critical low. The drone will automatically fly back and land on the last recorded Home Point.

**Notes:**

- The drone can't avoid obstacles automatically during RTH.

#### Landing

Option 1:  
Press the **Q** button to land the drone.

Option 2:  
Slowly pull the Left Control Stick backward to land the drone until the propellers stop rotating.

### App Operation Guide

#### Function Overview of the App

- Home
- Media Gallery
- VR Mode
- Flight Image
- Flight Records
- GPS Signal
- When it shows signal strength to avoid losing control of the drone. When it shows low signal strength (C), tap **Q** to bring the drone back immediately.
- Drone Battery Status: Check the battery status of the drone.
- Remote Battery Status: Check the battery status of the remote.
- Settings: Tap **Q** to start setting up your drone.
- GPS Signal
- Photo/Video Mode
- Point of Interest (POI)
- Mark and Track
- Follow Me
- Waypoints
- Gestures for Photo/Video
- Shutter
- GPS Signal
- Wi-Fi Signal
- Drone Battery Status
- Remote Battery Status
- Settings
- GPS Signal
- Photo/Video Mode
- Point of Interest (POI)
- Mark and Track
- Follow Me
- Waypoints
- Gestures for Photo/Video
- Shutter
- GPS Signal
- Wi-Fi Signal
- Drone Battery Status
- Remote Battery Status
- Settings
- GPS Signal
- Photo/Video Mode
- Point of Interest (POI)
- Mark and Track
- Follow Me
- Waypoints
- Gestures for Photo/Video
- Shutter

#### Media Gallery

Tap to check the photos and videos saved.

#### VR Mode

Tap **Q** to enable VR mode if VR device is not supported.

#### Flight Image

Tap **Q** to flip the image 180°.

#### Flight Records

Click to check flight records here.

#### GPS Signal

Check the signal of the GPS satellites.

#### When it shows signal strength to avoid losing control of the drone. When it shows low signal strength (C), tap **Q** to bring the drone back immediately.

#### Drone Battery Status:

Check the battery status of the drone.

#### Remote Battery Status:

Check the battery status of the remote.

#### Settings

Tap **Q** to start setting up your drone.

#### Beginner Mode

Beginner mode with preset flight parameters is recommended for beginners.

#### Flight distance:

Reset the maximum flight distance between the drone and the last recorded Home Point.

#### Flight altitude:

Reset the maximum flight altitude.

#### RTH altitude:

Reset the RTH altitude.

#### Take-off

Tap **Q** and slide rightward on the pop-up window to take off.

#### Point of Interest (POI)

Tap **Q** to activate Point of Interest (POI) during the flight, enter the POI address and tap YES to start. The drone will circle around the current point of the drone while keeping that point centered in the frame.

#### Waypoints

Step 1:  
Tap **Q**, then tap **Q** to select desired waypoints on the map. Tap **Q** to delete waypoints if you want to remove.

Step 2:  
Tap **Q** to upload waypoints.

Step 3:  
Slide rightward on the pop-up window to start to fly following the map's waypoints.

Tap **Q** again to cancel this mode and regain control of the drone.

**Notes:**

- This function can't be activated when the battery of the drone is low.

#### Photo/Video

Tap **Q** to take a photo. Tap **Q** to start recording a video, then tap **Q** again to stop and save the video to your memory card and mobile device.

#### Follow Me

When the drone has launched during the flight, the drone will fly follow your mobile device with the camera lens pointing at it.

Tap **Q**, then tap **Q** to enable Follow Me.

Tap **Q** again during the flight to cancel this mode and regain control of the drone.

**Notes:**

- The function Follow Me may have deviation due to the GPS Signal. Please maintain a safe distance between you and the drone when enabling this function.
- Activate this function only when there is no obstacle around you in case of unexpected accidents.
- This function can't be activated when the battery of the drone is low.

#### Waypoints

Waypoints function allows you to define an exact flying route on a map during the flight. Tap **Q** to enter the interface of waypoints.

### TROUBLESHOOTING

#### Q1. The four LEDs of the drone keep flashing.

\* Ensure you've paired the drone with the remote.

#### Q2. Fail to power on the remote.

\* Ensure the drone battery has enough power.

#### Q3. The drone can't take off after power on it outdoors.

\* Ensure the drone has found enough satellites (check if the rear LEDs are flashing green). If not, please wait for the drone to search satellites. Move to another place to fly the drone if the GPS signal is weak.

#### Q4. Why can't I connect to the drone's Wi-Fi?

\* Ensure only ONE device is connecting to the drone's Wi-Fi.

#### Q5. Why can't I see the map after launching the App?

\* Ensure you've installed a map App on your mobile device.  
\* The drone's Wi-Fi has no internet access. Please disconnect it and turn on your cellular data to pre-load the map, then turn off your cellular data and connect to the drone's Wi-Fi again.

#### Q6. The drone can't take off outdoors.

\* Press **Q** button to cancel Fail-safe RTH when the remote receives the signal from the drone again.

#### Q7. The FOLLOW ME function doesn't work.

\* Ensure you've turned on the location services on your mobile device, and the drone is flying in GPS Mode.

#### Q8. How can I fly the drone back when I can't tell the head or tail of the drone?

\* Ensure you've turned on GPS Mode, press the **Q** button to trigger RTH function, then the drone will automatically fly back home.

#### Q9. How to cancel Fail-safe RTH?

\* Press **Q** button to cancel Fail-safe RTH when the remote receives the signal from the drone again.

#### Q10. It is necessary to fly the drone back when the drone battery is low?

\* When the battery is low, please fly the drone within a distance of 20m. The drone will automatically fly back home when the battery is critical low.

### SPECIFICATIONS

Gimbal	
Controllable Range	110°-90° to 0°

USB Cable	
Input	5V = 2A
Output	5V = 2A
Input	4.2V = 2A / 1.5A
Output	5V = 1A
Rated Power	12.6W
	5W

#### FCC Caution

Any changes or modifications not expressly approved by the party responsible for compliance with the FCC rules may void the user's authority to operate the device. This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference including that which may cause abnormal operation of the device.

**NOTE:**

- This equipment has been tested and found to comply with the limits for Class B digital device pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference to residential environments. This equipment generates, uses and can radiate radio frequency energy and, if not shielded properly, 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 to a power outlet on a circuit different from that which the receiver is connected.
- Consult the dealer or a qualified technician for help.

**FCC QUICROPTER**

This equipment must not be used in an unlicensed frequency band. This equipment must not be used in a licensed frequency band unless it is authorized by the FCC. This equipment must not be used in a frequency band that is not allocated for the use of this equipment. This equipment must not be used in a frequency band that is not allocated for the use of this equipment. This equipment must not be used in a frequency band that is not allocated for the use of this equipment. This equipment must not be used in a frequency band that is not allocated for the use of this equipment.

#### For FCC QUICROPTER

The drone complies with IF exposure guidelines, users can obtain Canadian Information on this product by visiting the website: [www.ic.gc.ca/nrc/eng/canradio/celest/celest.asp](http://www.ic.gc.ca/nrc/eng/canradio/celest/celest.asp) or by calling 1-800-955-6211.

After examination or testing, a certificate of approval or a certificate of compliance d'equivalence is issued to the user. The user must ensure that the drone is used in accordance with the conditions of the certificate of approval or the certificate of compliance d'equivalence.

**CAUTION:**

- DO NOT OPERATE THE BATTERY RECHARGER IN AN INCORRECT PLACE.
- DO NOT OPERATE THE BATTERY RECHARGER IN A FLAMMABLE OR EXPLOSIVE ENVIRONMENT.
- DO NOT OPERATE THE BATTERY RECHARGER IN A WET OR DRY PLACE.

**RECYCLING**

This product must be recycled properly. Please do not dispose of this product in a landfill. This means that this product must be handed over to a recycling center or a collection point for electronic waste. Do not dispose of this product in a landfill. This means that this product must be handed over to a recycling center or a collection point for electronic waste. Do not dispose of this product in a landfill. This means that this product must be handed over to a recycling center or a collection point for electronic waste.

**MANUFACTURER:**

Shenzhen Bellen Technology & Innovation Co., Ltd.  
Manufacturer address: 905, 9th Fl., Bldg. A, Wanda TechPark Park, No. 65 Lianhua Road, Tangyan Street, Nanshan District, Shenzhen, China

**FC REP**

Bellen (China) GmbH  
Pötelstrasse 14 | 13127 Berlin, Germany  
info@bellen.co.uk

#### Q5. Why can't I see the map after launching the App?

\* Ensure you've installed a map App on your mobile device.  
\* The drone's Wi-Fi has no internet access. Please disconnect it and turn on your cellular data to pre-load the map, then turn off your cellular data and connect to the drone's Wi-Fi again.

#### Q6. The drone can't take off outdoors.

\* Press **Q** button to cancel Fail-safe RTH when the remote receives the signal from the drone again.

#### Q7. The FOLLOW ME function doesn't work.

\* Ensure you've turned on the location services on your mobile device, and the drone is flying in GPS Mode.

#### Q8. How can I fly the drone back when I can't tell the head or tail of the drone?

\* Ensure you've turned on GPS Mode, press the **Q** button to trigger RTH function, then the drone will automatically fly back home.

#### Q9. How to cancel Fail-safe RTH?

\* Press **Q** button to cancel Fail-safe RTH when the remote receives the signal from the drone again.

#### Q10. It is necessary to fly the drone back when the drone battery is low?

\* When the battery is low, please fly the drone within a distance of 20m. The drone will automatically fly back home when the battery is critical low.

### SPECIFICATIONS

Gimbal	
Controllable Range	110°-90° to 0°

USB Cable	
Input	5V = 2A
Output	5V = 2A
Input	4.2V = 2A / 1.5A
Output	5V = 1A
Rated Power	12.6W
	5W