

ENGLISH

14+

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SNAPTAIN

Mini Foldable Drone

USER MANUAL

Please read this manual carefully before flying and keep it well for future use.

12.02

ENGLISH

01-28

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DISCLAIMER AND SAFETY GUIDELINES

1. DO NOT look directly into the drone light.

2. DO NOT treat the product as household waste.

3. DO NOT fly above or near obstacles, crowds, open water, public road, high voltage power lines or trees.

4. DO NOT use the drone in severe weather conditions. These include wind, snow, rain, sleet, hail, lightning, tornadoes or hurricanes.

5. Stay away from the rotating propellers and motors to avoid some tiny objects (e.g. hair) to get into them.

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

7. 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.

8. This drone does not come with a GPS module. Please fly the drone within the control range and always keep an eye on the flying.

9. This product is not intended for professional aerial drone photography.

10. Be sure to observe 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 Safety Guidelines. SNAPTAIN reserves the right to update this user manual.

We use this symbol in this user manual to draw your attention to some important tips.

MAINTENANCE AND CARE

1. Thoroughly check the drone after a crash or violent impact.

2. Do not charge battery if it is hot. Let it cool down first.

3. Remove the batteries from both the drone and the remote if they will not be used for a long time.

4. Unplug the charger once the battery is fully charged.

5. Store the drone and remote in a cool, dry place away from direct sunlight.

6. Avoid direct contact of the camera with water or other liquids. Wipe dry with a soft absorbent cloth if it gets wet.

7. Do not charge the battery next to inflammable materials, such as carpet, wood floors or countertops etc., or on surfaces that are electrically conductive. Do not leave the battery unattended while charging.

8. Please use the original battery provided. Use an incorrect type of battery may lead to fire hazards.

9. Do not dispose of the battery in fire or a hot oven, cut or mechanically crush the battery, as this may cause explosions.

10. 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.

11. 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.

PACKING LIST

A10 Drone x1

Remote x1
(Batteries not included)

Battery x2

Spare Propeller A4, B4 x4

USB Cable x1

Propeller Guard x4

Screwdriver x1

Screw Set

User Manual x1

PRODUCT OVERVIEW

Drone

Propeller

LED Indicator

LED Indicator

Camera

Motor

ON/OFF

Tail

Remote

Photo

Video

Speed Switch(short press)

Emergency Stop(long press)

360° Flip

Phone Clamp

Left Control Stick

ON/OFF

One Key Take-off/Landing

Circle Fly

Headless Mode(short press)

One Key Return(long press)

High-speed Rotation

LED Indicator

Right Control Stick

Drone's LED Indicators

ON/OFF

Forward Trim

Rightward Trim

Backward Trim

Leftward Trim

FLIGHT PREPARATION

1. Unfold the rear arm, then the front arm.

1. Gently pull the buckle of the propeller guard to both sides and align the slot with the motor base, then fit the propeller guard into the drone's arm.

2. Charge the drone battery.

Charging: Solid red
Fully charged: Solid green

Notes:

* When the drone's battery is low, there are continuous beeps from the remote and the drone's LEDs keep flashing.

* 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's not recommended to charge the battery from the USB port of PC.

* Battery capacity may be reduced when flying in low-temperature environments. Flight time may be reduced, too.

3. Install the battery into the drone after it's fully charged.

4. Install the remote batteries.

3 x 1.5V AAA (Batteries not included)

* When the remote's battery is low, there are continuous beeps from the remote and its LED indicator keeps flashing.

5. Unfold the phone clamp to mount your mobile device.

1. Replace the propellers when it's needed. (Optional)

2. Loosen the screws, then remove the cap.

3. Take out the propellers.

4. Fit the spare propellers into the drone according to the mark (A/B) on them.

5. Install the cap and tighten the screws.

Note:

Please do not overtighten the screws. Gently rotate the propellers by hand after installation to check if they are rotatable. If not, please loosen the screw and check again.

FLIGHT OPERATION GUIDE

IMPORTANT

* Make sure you power on the drone first, then the remote in each flight.

* Do repeat the pairing and calibration procedure each time the drone or remote is restarted.

* For all flight functions and modes, the operator and tail of the drone must be aligned.

* We recommend flying in the open air and within the control range for beginners.

Remote Operation Guide

1. Pair the Remote with the Drone

Step 1:

Press and hold the ON/OFF button till the drone's LEDs start flashing to turn on the drone. Then place the drone on a flat surface with the head forward.

Note:

The drone will be off automatically if you do not operate it about 6mins after powering on the remote.

Step 2:

Press and hold the ON/OFF button to turn on the remote; you will hear a beep from the remote and its LED indicator starts flashing.

Notes:

* The remote will be off automatically if you do not operate it about 6mins after powering on the remote.

* Press and hold the ON/OFF button again to turn off the remote.

Step 3:

Push the Left Control Stick forward to the top, then pull it backward till the bottom. Pairing is successful when the LEDs of the drone turn to solid on from flashing.

2. Flight Calibration

Move both control sticks to lower left at 45°; you'll hear a beep from the remote. Calibration completes when the LEDs of the drone turn to solid on from flashing.

Note:

Please calibrate the drone after a crash or impact.

3. Flight Instructions

Take-off

Option 1:

Press the button to take off.

Option 2:

Simultaneously push the Left Control Stick to lower left at 45° and the Right Control Stick to lower right at 45° or push the Left Control Stick to lower right at 45° and the Right Control Stick to lower left at 45° until the four propellers start rotating, then slowly push the Left Control Stick forward to take off.

Option 3:

Place the drone on your palm with the head of the drone in the front, then gently throw it into the air.

Landing

Option 1:

Press the button to land the drone.

Option 2:

Slowly pull the Left Control Stick backward to land the drone until the propellers start rotating.

Flight Directions

Left Control Stick

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

Head

Forward Trim

Rightward Trim

Backward Trim

Leftward Trim

Right Control Stick

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

Head

Forward Trim

Rightward Trim

Backward Trim

Leftward Trim

Flight Trimming

If the drone drifts forward or backward when hovering, press the Backward Trim button or the Forward Trim button to adjust.

If the drone drifts leftward or rightward when hovering, press the Rightward Trim button or the Leftward Trim button to adjust.

Speed Switch

The drone is set to low speed by default.

Press the button once to switch to Medium speed and there are two beeps from the remote. Press it again for High speed and there are three beeps from the remote.

Press the button the third time to get back to Low speed and there is one beep from the remote.

Headless Mode

Short press the button to activate Headless Mode; LEDs on the drone start 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.

Standard Mode

Press the same button to exit this mode; LEDs on the drone turn to solid on.

Headless Mode

Press the same button to exit this mode; LEDs on the drone turn to solid on.

360° Flip

Fly the drone to a height over 2m, then press the button to activate 360° Flip function. Next, move the Right Control Stick to flip the drone accordingly.

Notes:

* There are continuous beeps from the remote when you activate this function. If you do not move the Right Control Stick about 5s after you press the button, the function will be cancelled and the remote will stop beeping.

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

One Key Return

Press and hold the button, then the drone will fly toward its back following a path parallel to its original take-off path. The LEDs on the drone keep flashing when the drone is returning.

Press and hold the button again or move the Right Control Stick forward to cancel this mode, or the drone will keep flying back.

Circle Fly

In the case of barrier-free within 5m radius around the drone, press the button to fly the drone in a circle.

Press the button again or move the Right Control Stick to any direction to exit this mode.

Note:

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

High-Speed Rotation

Press the button to make the drone rotate at high speed.

Press the button again or move the Right Control Stick to any direction to exit this mode.

Note:

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

Photo/Video

Please connect the drone to your mobile device first (refer to Page 20), then go to the App Snaptain Air to check your photos and videos.

Press the button to take a photo.

Press the button to start recording a video; press it again to stop recording and save the video.

Altitude Hold/Hover

This is one of the default settings of the drone. When you release the Left Control Stick after an ascent/descent action, the drone will hover at the current flight height. For a stable flight, press the trim buttons to adjust accordingly.

Emergency Stop

Press and hold the button, then the drone will stop in the air and fall.

Note:

It's NOT recommended to use this function during normal flight for landing, which may result in serious damage for your drone.

App Operation Guide

1. App Downloading and Installation

Download and install Snaptain Air into your mobile device from App Store™/Google Play™ or by scanning the QR code below.

For Android 4.4 or later

For iOS 9.0 or later

Note:

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

2. Pair the App with the Drone

Step 1:

Press and hold the ON/OFF button till the drone's LEDs start flashing to turn on the drone. Then place the drone on a flat surface with the head forward.

Step 2:

Go to the WiFi settings of your mobile device and connect to the WiFi Snaptain-A10-xxxxx.

Step 3:

Open Snaptain Air App and slide to the interface of A10. Tap Function Display and ON/OFF to turn on the App. LEDs on the drone turn to solid on at a successful connection.

Step 4:

Tap , then tap to calibrate the drone.

Notes:

* If Snaptain-A10-xxxxxx is not listed or the App doesn't show the preview image, please restart the drone and search the WiFi of the drone again.

* Make sure the WiFi Snaptain-A10-xxxxxx is only connected to one device.

* The drone's WiFi has no internet access. To prevent your mobile device from automatically switching to cellular data, it's recommended that you turn off cellular data when connecting to the drone's WiFi.

3. Function Overview of the App

Back

Photo

Video

Media Gallery

Speed Switch

Gesture for photo/video

Drone Battery Status

Turn Left/Turn Right/Ascend/Descend

Headless Mode

Trajectory Flight

Calibration

Voice Control

One Key Landing

G-Sensor Mode

360° Flip

One Key Return

More

Trim forward/backward

Forward/backward/Leftward/rightward

Trim leftward/rightward

Scale

Emergency Stop

WiFi Signal

Trim clockwise/anticlockwise

One Key Take-off

Notes:

The Left/Right Control Stick appears when you tap on the blank area on the left/right side of the screen.

More:

Tap to show or hide icons from D to H.

Photo:

Tap once to take a photo.

Video:

Tap once to start recording, tap again to end and save the video.

Media Gallery:

Tap to check the photos and videos saved to the mobile device.

Sensor Mode:

Tap to activate this mode. The drone will fly following the inclines of your mobile device in a landscape orientation.

VR Mode:

VR device (not included) is required to activate VR Mode.

Calibration:

Tap to calibrate the drone directly.

If the LEDs of the drone flash quickly after a sudden impact, please tap to calibrate the drone.

Voice Control:

Take off/landing, forward, backward, left, right.

Gesture for Photo/Video:

Tap to activate this function. Within a distance of 2-3m between you and the camera, please face the camera and make a gesture with your right hand to take a photo, a gesture to start/end recording a video.

WiFi Signal:

Check the WiFi status of the drone to avoid losing control. When it drops to 2 or 1 bar, please do not fly the drone far away.

Battery Status:

Check the battery status of the drone.

Trajectory Flight:

Tap to activate this mode. Draw a path in the blank area on the right side of the screen and the drone will fly following the path. Tap to modify flight distance and time accordingly. Tap again to exit this mode.

Note:

To fly the drone with the remote and see the image through your mobile device in the App operation mode, tap the ON/OFF icon to OFF, then pair the drone with the remote again.

PARAMETERS

Motor

716 Coreless

Control Range

<30m

FPV Range

<25m

Maximum Flight Relative Height

15m

Flight Time

7mins

Charging Time

45mins

Photo Format

JPG

Video Format

MP4

Storage

Save to the mobile device

Mobile APP Requirement

Android 4.4 or later, iOS 9.0 or later

2. Drone LEDs do not light up.

* Ensure that you've turned on the drone.

* Replace or charge the drone battery.

3. Drone LEDs keep flashing, but the drone never responds to any command from the remote.

* Pair the drone and remote again.

* Replace or charge the drone battery.

* Make sure the batteries of the remote have enough power.

* Fly the drone when the weather is good.

4. The flight is not stable.

* Return the drone and restart to do a flight calibration as instructed.

* Make the flight trimming accordingly.

* Fly the drone when the weather is good.

5. The response from the drone to the control is not sensitive.

* Make sure the distance between the drone and the remote is effective.

* The remote signal may be interfered, please land the drone and go to another place to fly it.

6. Connection between the drone and the App is frequently lost.

* Make sure the distance between the drone and the mobile device is effective.

* Make sure your mobile device is not connected to another network.

7. The App doesn't respond to voice commands.

* Ensure the drone App has access to the audio function of your mobile device.

8. Some of the functions don't work in the App.

* Make sure the switch for the App is ON.

9. The drone will fly beyond the control range.

* Activate the Headless Mode, then move the Right Control Stick to fly the drone back.

FCC Caution

Any Caution or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of 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.

For FCC QUADCOPTER

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. The equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

ISED Warning

This device complies with Industry Canada (Sonne-on-weight) RSS standards. Operation is subject to the following two conditions: (1) The device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CRL d'exposition Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillages, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

For FCC QUADCOPTER

The device is compliance with RF exposure guidelines, users can obtain Canadian information on RF exposure and compliance. The minimum distance from body to use the device is 20cm.

Après examen de ce matériel aux conformités aux limites d'exposition de champ RF, les utilisateurs peuvent se inspirer aux restrictions aux radiodiffusions et à conformité avec les normes de l'industrie canadiennes.

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CAUTION

RISK OF EXPOSURE TO BATTERY IS REPLACED BY AN INCORRECT TYPE EXPOSURE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

The symbol indicates D.C. voltage

RECYCLING

This product bears the selective sorting symbol for waste electrical and electronic equipment (WEEE). This means that this product may be handled pursuant to European Directive 2002/96/EC and should be recycled or dismantled to minimize its impact on the environment. User has the choice to give this product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment. This product can be used across EU member states.

BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY

Refer to the user manual and disposal box.

Operate the product according to the instructions.

Manufacturer

Shenzhen WeTap Technology & Innovation Co., Ltd.

Manufacturer address

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