

SNAPTAIN

Mini Foldable Drone

USER MANUAL

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

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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, strong, 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.

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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 expose 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 A x4, B x4

USB Cable x1

Propeller Guard x4

Screwdriver x1

Screw Set

User Manual x1

PRODUCT OVERVIEW

Drone

Propeller, LED Indicator, Camera, Motor, ON/OFF Indicator, LED Indicator, Tail

Remote

Photo, Video, Speed Switch (short press), Emergency Stop (long press), 360° Flip

FLIGHT PREPARATION

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

2. LED Indicator, Right Control Stick, Drone's LED Indicator, ON/OFF, Forward Trim, Rightward Trim, Backward Trim, Leftward Trim

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.

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

3. 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.

Unfold the phone clamp to mount your mobile device.

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

1. Loosen the screws, then remove the cap.

2. Take out the propellers.

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

4. Install the cap and tighten the screws.

Note: Please do not over-tighten 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.

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 drone.

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.

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 after flashing.

Note: Please calibrate the drone after a crash or impact.

3. Flight Instructions

Take-off

Option 1: Press the **Take-off** 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 left 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.

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 **Take-off** button to land the drone.

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

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.

Pull the **Right Control Stick** leftward and the drone will fly leftward; pull it rightward and the drone will fly rightward.

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 **Speed Switch** button once for 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 it the third time to get back to Low speed and there is one beep from the remote.

Headless Mode

Short press the **Headless Mode** 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 **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 **360° Flip** 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 **Headless Mode** button, the function will be cancelled and this function will stop beeping.
- This function can't be activated when the battery of the drone is low.

One Key Return

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

High-Speed Rotation

Press the **High-Speed Rotation** button or move the **Right Control Stick** in any direction to exit this mode.

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

Circle Fly

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

Press the button again or move the **Right Control Stick** in 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 **Photo/Video** button to take a photo.

Press the **Photo/Video** 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 **Emergency Stop** button, then the drone will stop in the air and fall.

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.

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 **Take-off** then tap **Take-off** 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

1. Back 10. Sensor Mode

2. Photo 11. Apps ON/OFF

3. Video 12. 360° Flip

4. Media Gallery 13. One Key Return

5. Speed Switch 14. More

6. Gesture for photo/video 15. Trim forward/backward

7. Drone Battery Status 16. Forward/Backward/Leftward/Rightward

8. Turn Left/Turn Right/Ascend/Descend 17. Trim leftward/rightward

9. Headless Mode 18. Scale

10. Trajectory Flight 19. Emergency Stop

11. Calibration 20. WiFi Signal

12. Inverse Control 21. Trim clockwise/anticlockwise

13. One Key Landing 22. 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 **More** to show or hide icons from D to H.
- Photo: Tap **Photo** once to take a photo.
- Video: Tap **Video** once to start recording, tap again to end and save the video.
- Media Gallery: Tap **Media Gallery** to check the photos and videos saved to the mobile device.
- Sensor Mode: Tap **Sensor Mode** to activate this mode. The drone will fly following the inclines of your mobile device in its landscape orientation.
- VR Mode: VR device (not included) is required to activate VR Mode.
- Calibration: Tap **Calibration** to calibrate the drone directly. If the LEDs of the drone flash quickly after a sudden impact, please tap **Calibration** to calibrate the drone.
- Voice Control: Tap **Voice Control** to take off, landing, forward, backward, left, right.
- Gesture for Photo/Video: Tap **Gesture for Photo/Video** to activate this function. Within a distance of 2.3m between you and the camera, please face the camera and make a **Photo/Video** gesture with your right hand to take a photo, a **Video** gesture to start/stop 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 **Trajectory Flight** 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 **Photo/Video** to modify flight distance and time accordingly. Tap **More** 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	730 Coreless
Control Range	>600m
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

TROUBLESHOOTING GUIDE

Q1. How to avoid losing my drone?

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

* We recommend flying the drone on windless days. If you insist on flying the drone in the wind, we recommend flying at HIGH speed. It's essential to calibrate the drone before flying.

Q2. Drone LEDs do not light up.

* Ensure that you've turned on the drone.

* Ensure or charge the drone battery.

Q3. 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 distance between the remote have enough power.

Q4. The flight is not stable.

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

* Make the flight trimming accordingly.

* Fly the drone when the weather is good.

Q5. 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.

Q6. Connection between the drone and the App is frequently lost.

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

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

Q7. The App doesn't respond to some commands.

* Make sure the App is updated to the latest version of your mobile device.

Q8. Some of the functions don't work in the App.

* Make sure the flight switch for the App is ON.

Q9. 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 Changes 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 FCC Part 15. This device may not cause harmful interference, and it must accept any interference, 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 Part 15. 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.

FedRCC QuabQOFTFR

This equipment complies with Industry Canada (Interference-Restricted Standards) Operation is subject to the following two conditions:

- (1) this 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 CRB de l'industrie Canada applique aux appareils numériques de classe B. L'opération de cet appareil est soumise aux conditions suivantes:

- (1) l'appareil doit accepter toute interférence radioélectrique qu'il reçoit, et
- (2) l'utilisateur de l'appareil doit accepter toute interférence radioélectrique susceptible de perturber le fonctionnement de l'appareil.

FedRCC QuabQOFTFR

The device is compliant 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 être informés des risques relatifs à leur utilisation et de la conformité d'acquiescer à l'information des fournisseurs de produits.

Le présent appareil est conforme aux normes canadiennes relatives à l'exposition aux ondes électromagnétiques et aux limites d'exposition de champ RF. Les utilisateurs peuvent être informés des risques relatifs à leur utilisation et de la conformité d'acquiescer à l'information des fournisseurs de produits.

CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DO NOT USE LIQUID BATTERIES ACCORDING TO THE INSTRUCTIONS.

RECYCLING

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

BATTERIES MUST BE RECYCLED OR DISPOSED OF PROPERLY

Refer to the user manual and document set.

Operate the product according to the instructions.

Manufacturer

Shenzhen Snapstain Technology & Innovation Co., Ltd.
 Manufacturer address:
 502, 5th Floor, 4th Phase Technology Park, No. 105 Libian Road, Taoyuan Street, Nanshan District, Shenzhen, China

EC REP

Bell & Howell GmbH
 Pettenkerstraße 18, 10147,
 Berlin, Germany
 info@bellandhowell.de

Manufacturer

Shenzhen Snapstain Technology & Innovation Co., Ltd.
 Manufacturer address:
 502, 5th Floor, 4th Phase Technology Park, No. 105 Libian Road, Taoyuan Street, Nanshan District, Shenzhen, China

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 502, 5th Floor, 4th Phase Technology Park, No. 105 Libian Road, Taoyuan Street, Nanshan District, Shenzhen, China