



SKYVIEW DRONE MODEL A4-W FLIGHT MANUAL

Find the Quick Flight Guide on Page 4

Video Tutorials: amcrest.com/a4drone



Flight Time: 7 minutes

Charge Time: 90 minutes

Allow the battery to charge fully before operation.

Battery requirements for transmitter:

4 X 1.5V "AAA" size batteries (not included)

The drone is equipped with a Li-Poly rechargeable battery,

Please also pay attention to the following safety precautions:

Note:

* Always dispose of old batteries responsibly



Safety Precautions

- * Do not leave the battery near a direct heat source such as fire or space heaters.
- * Do not strike or throw the battery against any hard surface.
- * Do not immerse the battery in water. Always store the battery in a cool dry place.
- * When recharging the device, only use the battery charger intended for this product.
- * Do not allow the battery to set on the charger for over 90 minutes.
- * Do not operate your drone without a fully charged battery.
- * Do not directly solder the battery to the device or pierce it with a nail or other sharp object.
- * Do not transport or store the battery together with other metal objects.
- * Never leave a charging battery unattended.
- * Please read through the manual before using.
- * To avoid a choking hazard, keep all small parts out of reach of small children.
- * Never leave the drone unattended during battery charging.
- * Never throw any batteries in a fire.
- * Never fly the drone near other people.
- * Keep all body parts away from the drone while the rotor blades are spinning.

- * Never try to repair circuitry. No serviceable circuitry are located inside the drone or transmitter.
- * To avoid a choking hazard, keep all detachable parts out of reach of small children.
- * The drone is very powerful when taking off. Make sure to move the throttle forward gradually to avoid it rising too quickly.
- * After initial flight, turn off the drone first before you turn off the controller.
- * Do not put the battery in high temperature or near extreme heat source.
- * To avoid injury or damage, the drone should be flown 2 meters / 7 feet from people or other obstacles.
- * Children should only fly the drone under adult supervision. Always keep the drone in clear sight while operating.
- * Always make sure to turn off the power of the controller and drone when not in use.

Battery Protection

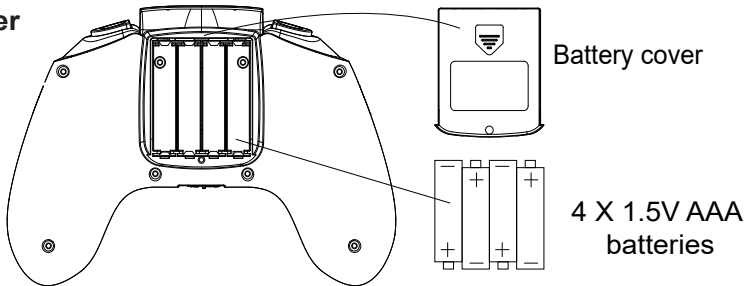
The drone is equipped with low-voltage protection. When the batteries for the drone are low, the internal programmed control system will automatically stop electrical supply to the drone's rotors. When the batteries are low, bring the drone to an area where you can begin charging the battery. Allow the battery to charge fully before flying the device again.

Maintenance

- * Clean the drone with a clean, dry soft cloth only.
- * To avoid irreparable damage, keep the drone dry and away from water. Do not fly in rainy conditions.
- * Check the drone and accessories for any damage. If damage is found, do not use the drone until it is repaired.

Battery Installation & Charging

Controller



To install the batteries: Open the cover of battery case, insert 4 X 1.5V AAA batteries, according to indicated polarity (batteries not included).

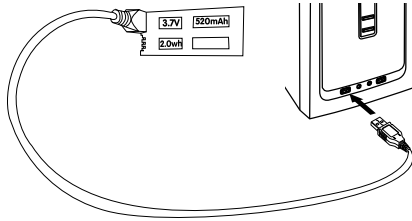
Battery installation should be done under adult supervision only!

Do not mix old and new batteries.

Do not mix different types of batteries.

Charging

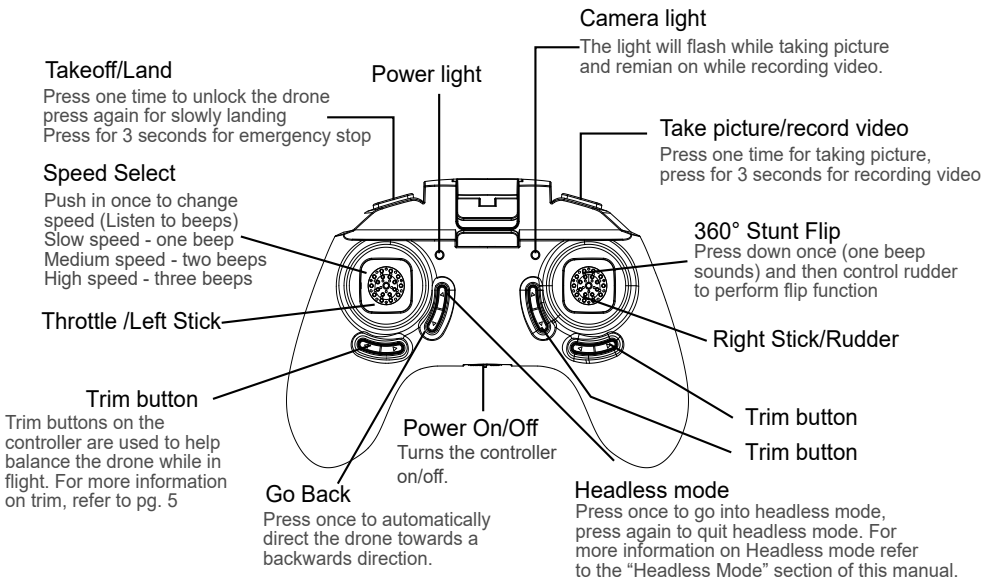
Remove the battery from the drone and insert one side of the USB connector into the battery, and the other side into any computer USB port.



Allow the battery to charge fully before operation. A fully charged battery will provide about **7 minutes** of flight time per charge. When the green light on the battery disappears, the battery will be fully charged and ready for use. Charging a battery should take no longer than 90 minutes.

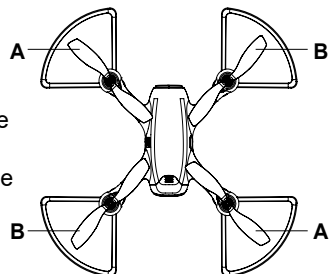
Controller

Note: There are two ways you can operate the drone, one with the included controller and one via the Amcrest SkyView app. For more information on how to setup your drone on the Amcrest Skyview app refer to page 9.

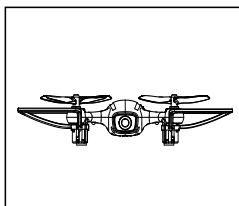


Drone

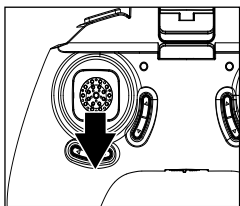
The drone will come with a set of 4 replacement rotor blades. These rotor blades will be denoted by two different types; (A) type and (B) type rotors. You will see the "A" and "B" letters on the canopy of the unit. When replacing the blades of the device be sure to replace the new blades into the rotors on the motor according to their specific rotor types.



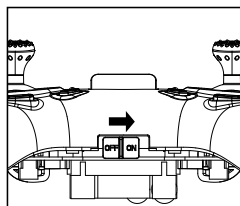
Quick Flight Guide



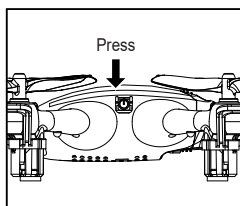
1. Place the drone onto a level surface.



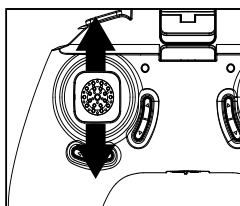
2. Hold the left stick/throttle down on the controller. Continue holding until the end of step 3.



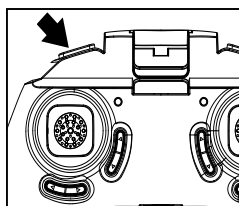
3. Turn on the controller. The power button is on the bottom of the controller. Release the left stick/throttle.



4. Turn on the drone. **The power button is on the side of the drone.** Once the drone is turned on the LED lights will begin to flash indicating the drone is ready to be paired to the controller.



5. To pair the drone, move the left stick/throttle up and down. **If successful, the LED lights on the drone will stop flashing and stay solid.** If unsuccessful, turn off each device and restart from step 2.

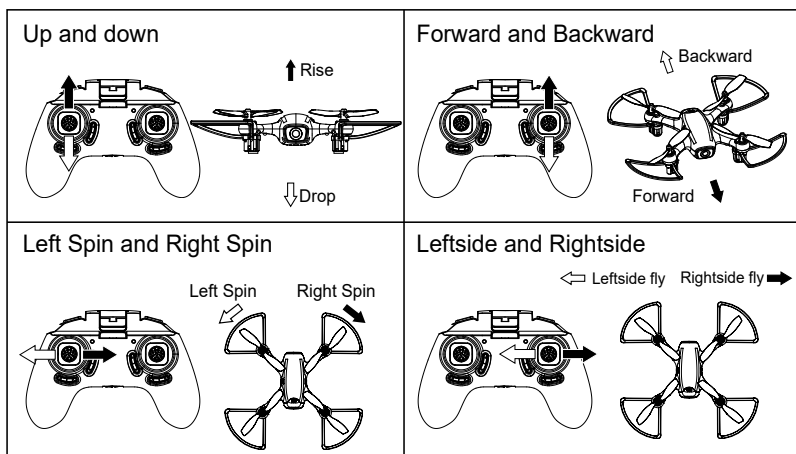


6. After the drone is paired to the controller, press the **takeoff/land** button on the top left of the controller to start the motor. To **launch**, move the left stick/throttle up. To **land**, press the takeoff/land button.



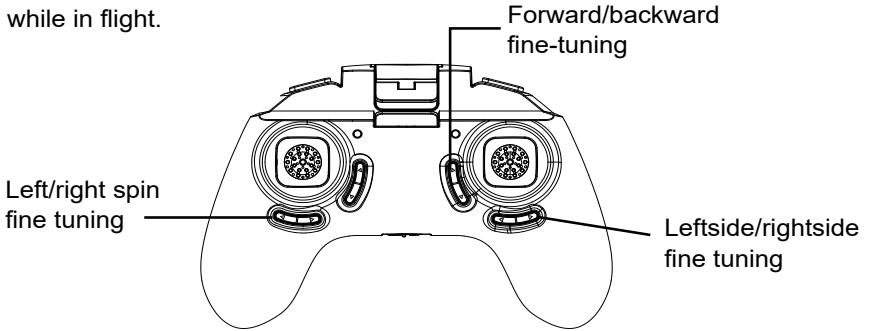
The red LED lights indicate the front of the drone, the green LEDs indicate the rear of the drone.

Operation and Control



Trim Fine Tuning

Trim is used to balance the drone while in flight.



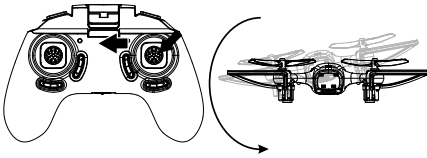
Backward Trim	<p>← Forward</p>		<p>Backward Trimmer</p>
Forward Trim	<p>Backward →</p>		<p>Forward Trimmer</p>
Leftside Trim			<p>LeftSide trimmer</p>
Rightside Trim			<p>RightSide trimmer</p>
Left spin Trim			<p>Left Spin trimmer</p>
Right spin Trim			<p>Right Spin trimmer</p>

Radical Flips & Rolls

You can perform flips and rolls with your drone in any speed setting.

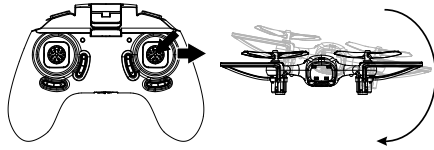
To perform a flip or roll with your drone push in on the right stick/rudder. You will hear a click and a beep will sound. Move the right stick/rudder in the direction you want to flip or roll.

Left flip



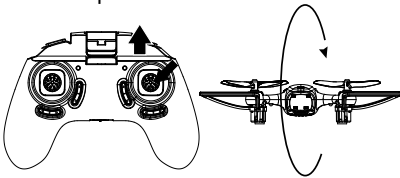
Push in on the right stick/rudder and move it to the left.

Right flip



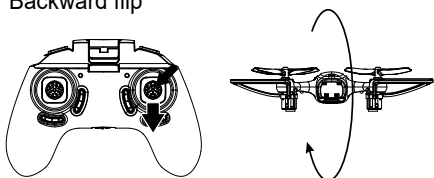
Push in on the right stick/rudder and move it to the right.

Forward flip



Push in on the right stick/rudder and move it up.

Backward flip



Push in on the right stick/rudder and move the down.

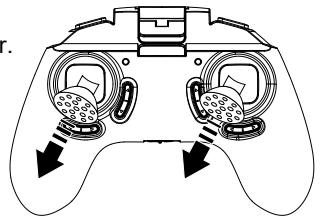


Before you perform a flip or roll on your drone, make sure you have enough space to prevent damage or injury to others.

Auto Calibration

To enable this function, turn on the drone and the controller. Press the throttle and rudder sticks both to a 45° angle as shown in the image to the right. Hold this position for 10 seconds and a light will flash on the drone.

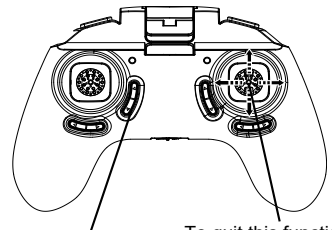
Release the throttle and rudder. The lights on the drone will remain on until the calibration process is complete.



Go Back Function

While in flight, locate the **Go Back** button on your controller and press the button once to initiate. Once initiated, the drone will automatically be directed towards a backwards direction.

To control the drone up and down when using the **Go Back** function, use the Left Stick/Throttle. To cancel this function, move the Right Stick/Rudder in any direction.



Press this button

To quit this function.
(move in any direction)



This is not a GPS drone. This feature will not return or land in its original location when pressed. Keep your eyes on the drone when using this feature.

Headless Mode

Headless mode is used to align the drone's movements to be relative to the controller no matter which way the drone is facing.

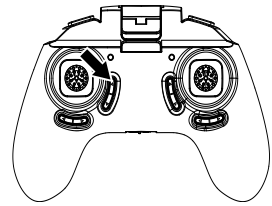


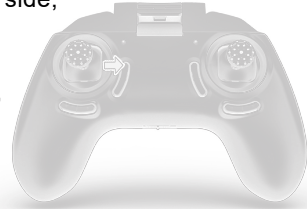
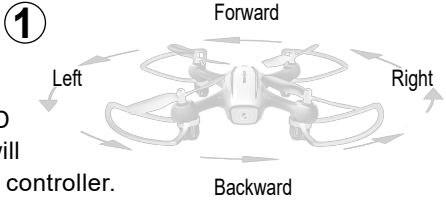
Figure A.

HOW TO GET ENABLE/DISABLE HEADLESS MODE?

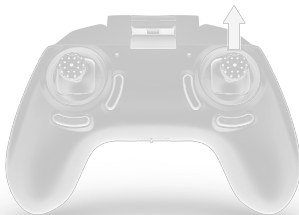
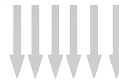
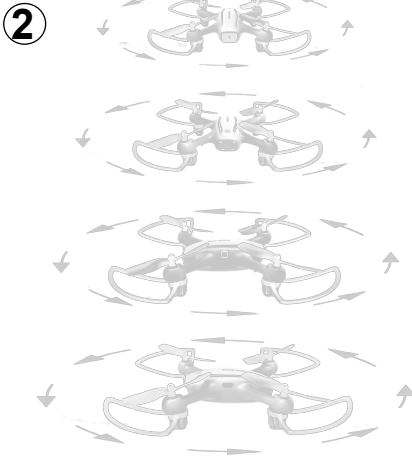
Press the button on controller(as shown in Figure A on the right) when pressed you will hear a beep sound indicating the drone is in headless mode. To quit headless mode, press it again and you will hear another beep sound indicating that headless mode has been disabled.

HOW TO RECOGNIZE THE " FORWARD SIDE" UNDER HEADLESS MODE?

When the drone initially takes off and the LED lights on the device stop flashing the drone will have its front side to the front direction of the controller. The red LEDs on the drone indicate the front/forward side, the green LEDs indicate the rear of the drone.



If you want to reset the orientation of headless mode, you need to turn off the device and auto calibrate it.

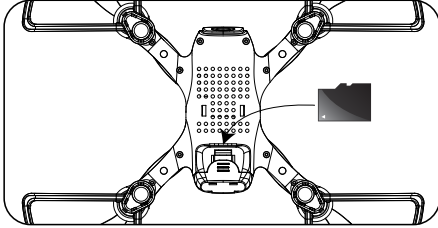


Camera:

Normal camera:

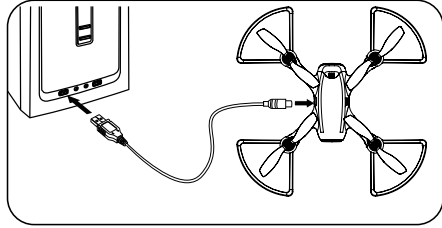
The drone comes equipped with a built-in 720p (1280*720) camera which can be used to record data during flight. This camera is located on the front side of the drone. To store data retained during flight, the drone also has a built-in microSD card slot which can support up to a **32GB** microSD card. All data retained by the device will be stored via a microSD card and can be viewed via a mobile device or computer.

HOW TO REVIEWING PHOTOS/VIDEOS ON A COMPUTER



Insert the microSD card into device.

Note: The drone is not compatible with microSD cards above **32GB**



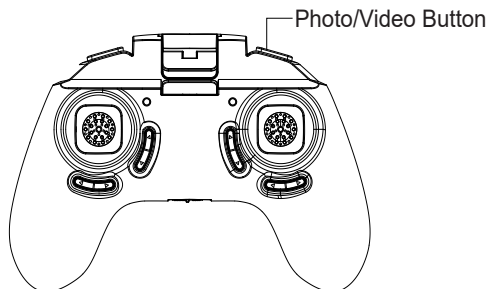
To review photos and videos, please insert one end of the **data cable** into the USB port of the drone. Insert the other end into a USB port on the computer. Open "File Explorer" and locate the related file from which you can view photos and videos.

Recording/Snapshot

To record video while using the drone's controller, you must enable record mode on the drone. Record mode can be enabled by flying the drone or by pressing and holding the Photo/Video button, located on the top right corner of the drone's controller for 3 seconds.

Once recording mode has been enabled, press and hold the Photo/Video button for 3 seconds to start recording video. Once recording has begun, the drone will have a flashing blue light on the bottom. This indicates the drone is actively recording video. To store the recording, you must end the recording. If you do not end the recording properly the footage will not be saved to the microSD card.

To end a recording, press and hold the Photo/Video button again for 3 seconds. This will stop the drone from recording video. Once a recording has been stopped the flashing blue light will disappear and a solid red light will be visible on the bottom of the drone. Once the recording has been stopped, the footage will be saved to the microSD card and will be available to review.



App User Guide

1. SOFTWARE DOWNLOAD AND INSTALLATION

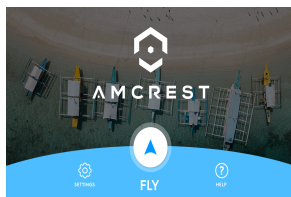
- Search 'Amcrest SkyView' from App Store or Google Play Store.



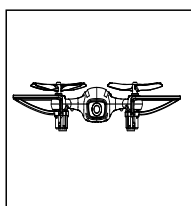
- Download and install it to your mobile device.

2. USING INSTRUCTION

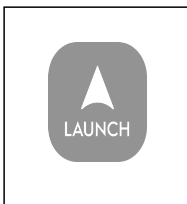
- 1). Insert a fully charged battery into the drone and turn it on. (The power button is on the side of the drone.)
- 2). The drone will begin to flash red and green indicating the drone is ready to be synced.
- 3). To sync the drone to the app, go to "**Settings**" on your mobile device and enable **WI-FI**.
- 4). Locate the hotspot network for your drone. It will be labeled, "**SKYVIEW 720P XXXXXX**".
- 5). Tap on the network and allow your mobile device to connect to the hotspot for your drone.
- 6). Open the Amcrest SkyView app and tap the "**FLY**" icon on the main menu to access begin flying.



Launch Functions



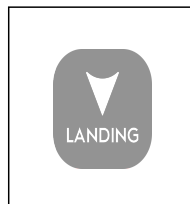
1. Make sure the drone is placed on a level surface.



2. Tap on the **Launch** button in the lower left hand corner of the screen to start the drone. (The rotor blades will begin to spin.)

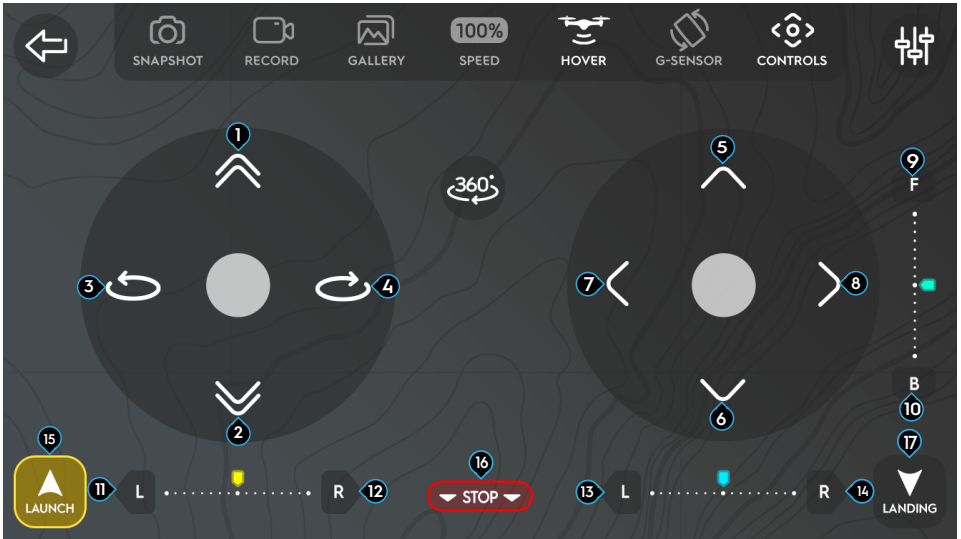


3. Use the forward throttle button to launch the drone. (For more information on flight controls, refer to the flight controls section of the manual.)



4. When you are ready to land the drone, find a clear, safe place to land and tap on the **Landing** button. (To perform an emergency landing, press the **STOP** button.)

Flight Controls



1. **Throttle** - Use throttle to initially launch the drone. Moves the drone upward.

2. **Throttle Down** - Moves the drone downward.

3. **Rotate Left**- Rotates the drone head to the left.

4. **Rotate Right** - Rotates the drone head to the right.

5. **Forward** - Moves the drone forward.

6. **Back** - Moves the drone backward.

7. **Move Left** - Moves the drone to the left.

8. **Move Right** - Moves the drone to the right.

9. **Forward Trim** - Used to balance the drone while flying in a forward direction.

10. **Backward Trim** - Used to balance the drone while flying in a backward direction.

11. **Left Rotate Trim** - Used to balance the drone when performing a left rotation.

12. **Right Rotate Trim** - Used to balance the drone when performing a right rotation.

13. **Left Trim** - Used to balance the drone when performing a left turn.

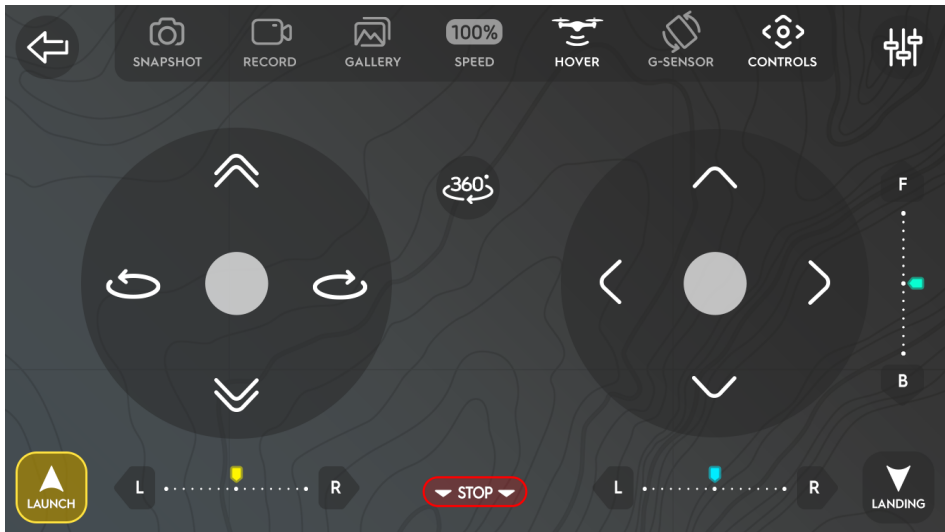
14. **Right Trim** - Used to balance the drone when performing a right turn.

15. **Launch** - Used to start the motor on the drone.

16. **Stop** - Used as an emergency stop. Will stop the drone completely while in operation.

17. **Landing** - Used to land the drone while in flight.

App Functions



Controls - Tap to toggle remote control interface.



G-Sensor - Tap to mimic the gyroscope of your mobile device.



Hover - Tap to begin, also maintains flight altitude.



Speed - Tap to toggle drone speed (30%, 60%, 100%)



Advanced Functions - Tap to access advanced functions



Snapshot - Snaps a photo while in operation.



Record - Records live video while in operation.



Gallery - Tap to access/playback recorded data.



360° - Tap to initiate a 360° stunt flip.



Go Back - Returns to previous menu

Advanced Functions

Advanced functions in the app include; Camera flip, VR, Headless, and Calibrate. Provided is a brief explanation of each function:



Camera Flip - Allows you to vertically flip the live view image. This is useful if your phone is mounted in different positions when operating



VR - Sets the app into VR mode which allows you to utilize virtual reality technology for a more immersive visual experience.





Headless - Used to align the drone's movements to be relative to the operator no matter which way the drone is facing.




Calibrate - Allows you to automatically calibrate the device before initial operation begins.

Data/File Operation

1. Take a Photo - Press the snapshot button  once. The photo will then be retained and accessed via the mobile app.

2. Take a Video - Press the video button  once to start filming video. To recording video, press the video button again. The video taken will then be retained and accessed via the mobile app.

3. Access Photos/Videos - Press the gallery button once  to access the media storage interface. Press the **Photos** icon to access photos. Press the **Videos** button to access stored videos. Press the **SD Card** button to access data stored on an inserted SD card.

4. Back Button - Press the **Back Button**  once to return to the real-time app interface.

FCC Compliance

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 received, including interference that may cause undesired operation.

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

Compliance Information

FCC Warning Message

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 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 received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement:

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

Note: This equipment has been tested and found to comply with the limits for a class B digital, 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 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.
- Consult the dealer or an experienced radio/TV technician for help.

IC RSS warning

This equipment complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

This device has been designated to operate with the antennas provided within the equipment. Use of other antennas may violate industry Canada rules and void the user's authority to operate the equipment.

Son fonctionnement est soumis aux deux conditions suivantes:

- 1) Cet appareil ne doit pas causer d'interférence nuisible et
- (2) cet appareil doit accepter toute interférence reçue, y compris les interférences pouvant entraîner un fonctionnement indésirable.

Cet appareil a été conçu pour fonctionner avec les antennes fournies dans l'équipement. L'utilisation d'autres antennes peut enfreindre les règles de l'industrie du Canada et annuler l'autorité de l'utilisateur à utiliser l'équipement.

Contact Us

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- Visit <http://amcrest.com/contacts> and use the email form.
- Call Amcrest Support direct using one of the following numbers:
 - Toll Free US: (888) 212-7538
 - International Callers (Outside of US): +1-713-893-8956
 - USA: 713-893-8956
 - Canada: 437-888-0177
 - UK: 203-769-2757
- Email Amcrest Customer Support: support@amcrest.com

