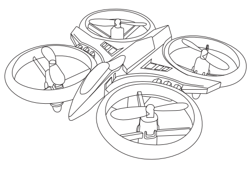
AMILINE 14+Ages



Drones for Kids with Transmitter

Use Manual

Warnings & Precautions

Important Safety Instructions

- Read and follow all instructions.
- Keep these instructions for future reference.
- Heed all Warnings.
- Intended for children ages 14 and higher, Adult supervision 1s required.
- Only use attachments/accessories specified by the manufacturer.
- Before flying, always check the body, rotors, and battery for any damage or obstructions.
- Battery should be free from cracks or swelling.
- Keep the rotors clear of any obstructions and body parts to avoid potential damage and injury.
- Manufacturer and dealer assume no liability for accidental damages from improper use or installation of parts, or from damage incurred from worn or broken parts.
- Pilots are responsible for their actions and any damage caused from improper use.
- Pilots should keep the craft in sight at all times during flight. If you lose sight of the craft at any time, power down and cease flight immediately.
- Only fly in large, open areas that are free from obstacles or potential hazards, such as trees, power lines, ceiling fans, and the like.
- Flying over bodies of water is not recommended.
- Flying at night is not recommended.
- Never try to retrieve the craft from areas you cannot safely reach, such as rooftops or trees.
- Never launch the craft from your hand.
- Never leave the craft unattended while it is powered on or while the battery is charging.

FCC Warnings

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

Additional Warnings & Precautions

- WARNING: To reduce the risk of fire or electric shock. do not expose this apparatus to rain,moisture, dripping, or splashing.
- **CAUTION:** Use of controls or adjustments or performance of procedures other than those specified may result in personal injury.
- WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent tybe.
- Lithium batteries, like all rechargeable batteries, are recyclable and should be recycled or disposed of according to state and local guidelines. They should never be disposed of in normal household waste, and they should never be incinerated, as they might explode. Contact your local government for disposal or recycling practices in yout area.
- WARNING: Shock hazard - Do Not ODen.
- Baftery shall not be exposed to excessive heat such as sunshine, fire, or the like.
- Keep new and used batteries away from children, if the battery compartment does not close securely, stop nsing the product and keep it away from children,
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical aftention.
- Do not mix old and new batteries.
- Completely replace all old batteries with new ones.
- Do not mix alkaline,standard (carbon-zine), or rechargeable(ni-cad.ni-mb.etc) batteries.
- Batteries should be reeycled or disposed of as per state and local guidelines.

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.
NOTE: This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

CONTENTS

1. Package Contents 02
2. Specifications 02
3. Drone's Details 03
4. Method of changing Propellers 03
5. Transmitter Functions 04
6. Transmitter Battery Installation 04
7. Charging the Drone Battery 05
8. Fly Safety Information 06
9. Flight 07
   Pair the Drone 07
   Calibrate the Gyro 07
   Take off the drone 07
   Flight Controls 08
   Setting Trim & Countering Drift 08
10. Altitude Hold 09
11. Speed Setting 09
12. Flip Mode 10
13. Headless Mode/ Circle Fly 11
14. LED Color/ LED Mode 12
15. Trouble Shooting 13

Package contents

No.	Part Name	Quantity
1	Drone	2
2	2.4 GHz Transmitter	2
3	Additional Propellers	8
4	USB Charging Cable	2
5	Screwdriver	2
6	Bonus Battery	4
7	Instructions for Use	2
8	Blade Wrench	2

Specifications

Drone

Model: SQN-047
Weight: 38.5g
Flight time: 12-16minutes
Operating temperature range: 32° to 140°F (0° TO 40°C)
Dimensions: 4.9"x4.9"x1.96"

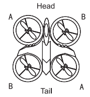
Transmitter

Operating frequency: 2.4GHz
Max transmission distance: 200-260 feet
(outdoor and unobstructed)
Operating temperature: 32° to 140°F (0° TO 40°C)

Flight battery

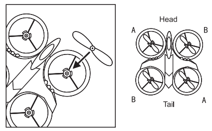
Capacity: 550mAh
Voltage: 3.7V
Battery type: Li-ion
Energy: 2.035Wh
Charging temperature range :41° to 104°F (5° TO 40°C)
Charging time: 50-60 mins (depending on charging power)

Drone's Details



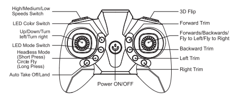
⚠ Every propellers has indicated alphabet. Please install the propeller in the correct position as shown above. Otherwise the drone will fail to take off. (Note: power switch indicate the rear of the drone)

Method of changing Propellers

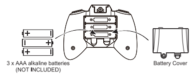


1. Remove the propeller, by giving it a gentle pull.
2. Install the propeller. Please install the propeller in the correct position as shown above. Otherwise the drone may fail to take off or fly out of control.

Transmitter Functions

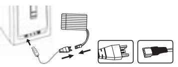


Transmitter Installation



⚠ Note: Always pay close attention to battery polarity to ensure they are fitted correctly.

Charging the Drone Battery



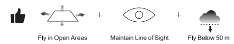
The drone's battery must be charged before it can be flown. To avoid risk of injury or damage, **be sure the drone and remote control are both powered OFF and remove the battery from the drone when charging.** Charging time is approximately 50-60 minutes. Charge fully before use for best performance.
Connect the USB charging cable (included) to the USB port of a powered ON computer or USB power adapter (not included), then connect the charging plug to the battery plug.
While charging, the charger light will turn OFF.
When charging is complete, the light will display a red light.

Note:

Be sure to correctly match the plug to the charging port or damage may occur.
Do not charge overnight. Do not leave unattended while charging.
When the drone's battery is low power, the led lights on the drone will begin blinking fast, indicates that it just have 40s left to fly. At this time, you need to fly it to the safe area and press down the one key landing button to land it. If you fly it till it run out of battery it will drops out of the sky.

Li-ion Battery Disposal & Recycling
Wasted Lithium-Polymer batteries must not be placed with household trash.Please contact local environmental or waste agency or the supplier of your model or your nearest Li-ion battery recycling center.

Flight Safety Information



Avoid flying over or near obstacles, crowds, high voltage power lines, trees, airport or bodies of water.
Do not fly near strong electromagnetic sources such as power lines and those base stations as it may affect the onboard compass.

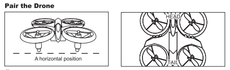
Do not use the drone in adverse weather conditions such as rainy, snowy, foggy and windy days.

Do not use the drone in adverse weather conditions such as rainy, snowy, foggy and windy conditions.
The basic flight guidelines are import for pilots' safety and the surroundings. Please read the safety guidelines carefully.

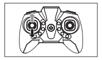
Get Your Drone Ready

⚠ ·Rotating propellers can be dangerous. Do not start the motor when there are people nearby.
·If the motor is still spinning, always keep your hands on the transmitter.

Pair the Drone

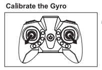


①Power on the drone and place it on a flat surface. The lights on the drone will blink as it searches for a signal from the transmitter. **Be sure head facing forward and the tail facing towards the pilot.**



② Turn on the transmitter, it will Di as it searches for a signal from the drone. When the lights on the drone have stopped blinking indicates they have automatically paired successfully, then you can go to step③. If the drone fail to pair automatically. Please follow the steps below to manually pair the drone. Turn on the transmitter, push the left control stick fully forward, then pull it fully rearward, When the last Di has sounded and the lights on the drone have stopped blinking indicates they have paired successfully.

Calibrate the Gyro



③ After pairing, please simultaneously push the left joystick and right joystick down to 45 degrees to calibrate the drone (As shown by the arrow in the picture).When the lights on the drone have stopped blinking calibration is completed. (To ensure a stable flight,after pairing the drone and after a crash, we recommend to calibrate the gyro. Do not attempt to do this while flying).

Take Off the Drone

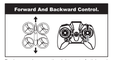
④ After pairing and calibration, Press down the one key take off button, the drone will fly to the height of 80cm automatically. Then you can push the left control stick up and down to adjust the height of the drone. Press the one key landing button, the drone will land automatically. **After landing, wait for the propellers to stop spinning. Power OFF the remote BEFORE powering OFF the drone.** This will ensure that no signals are accidentally sent by the remote, reducing the chance of injury. After this is done, it is safe to pick up and power off the drone.

Flight Controls

Rise And Fall Control.

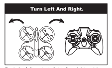
Push the left control stick - up or down and the drone will rise or fall.

Forward And Backward Control.



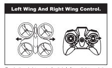
Push up or down on the right control stick and the drone will fly forward or backwards.

Turn Left And Right.



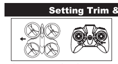
Push the left control stick left or right and the drone will rotate to the left or to the right.

Left Wing And Right Wing Control.

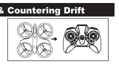


Push the right control stick left or right and the drone will fly to the left or to the right.

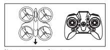
Setting Trim & Countering Drift



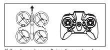
If the drone keeps drifting leftwards when hovering, press the right side-fly trimmer to adjust until it gets balanced.



If the drone keeps drifting rightwards when hovering, press the left side-fly trimmer to adjust until it gets balanced.



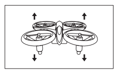
If the drone keeps flying backwards when hovering, press the forward trimmer to adjust until it gets balanced.



If the drone keeps flying forwards when hovering, press the backward trimmer to adjust until it gets balance.

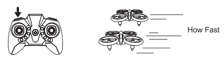
Even after the drone is calibrated, it may show a tendency to drift while airborne. Adjusting the trim will help counter this effect and allow better control of the drone. But it will not entirely eliminate it. Air currents and other factors may still cause slight drift while airborne.

Altitude Hold



This drone is equipped with Altitude Hold function meaning this drone will hover steadily in the air.
During flight, altitude hold function allows you to release the throttle joystick and maintain its height, without descending to the ground.

Speed Setting

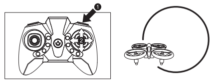


Press the Speed button on the remote to change the drone's speed.
- **Low:** Provides smooth and predictable control of the drone. The remote will chime once to indicate the low speed setting.
- **Medium:** The drone will move and respond faster to all control inputs. The remote will chime twice to indicate the medium speed setting.
- **High:** Highest setting for maximum performance. The remote will chime three times to indicate the high speed setting.

Note: The 3 speed modes can only be cyclically changed in this order: low speed - medium speed - high speed - low speed.

3D Flip Mode

Before attempting a flip, be sure that there is enough clear space around the drone, ideally 9-10 ft. in all directions. It is not recommended to attempt to flip around or through any obstacles, as this may result in unintended damage.
Press the **Flip button** to activate Flip Mode, then move the Right Control Stick in any direction and the drone will perform a flip in the same direction. Press the **Flip button** again to deactivate without performing a flip.

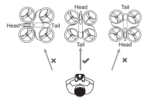


Caution:the drone will perform these maneuvers best with a fully charged battery.

Headless Mode/Circle Fly

NOTE: Do not use the Headless Mode until you totally comprehend the instructions For Use.
Flying in Headless Mode without sufficient experience might result in loss or damage to the device.

1. Place the drone in front of the pilot before pairing the drone to the transmitter. Make sure the head of the drone faces forward and the tail faces towards the pilot.
2. After pairing and calibration, press the Headless Mode button to enter Headless Mode function. A beep will be heard from the transmitter, and the led lights will slowly flash, indicates that drone is in headless mode.
3. Press the headless mode button again, you will hear a beep and the lights on the drone will be solid which indicates the drone exits the headless mode.
4. Under Headless Mode, the forward direction is the direction the pilot faces when the pilot pairs the drone with the transmitter.



Please make sure the pilot to stay in the same orientation as the drone head faces when the drone takes off.

It is very important that the pilot does not change the direction or orientation he or she faces, otherwise the drone and transmitter will lose connection, causing controls to not perform as desired.
Please use Headless Mode function after you totally comprehend these functions; otherwise, it may result in the loss and/or damage of the drone.

LED Color/LED Mode

7 LED color modes: Each click the switch will change color, with a total of 7 LED color modes.
6 flashing modes: Each click switch, the flashing mode will change, with a total of 6 flashing modes.

Trouble Shooting

PROBLEM	POSSIBLE CAUSES	SOLUTION
Drone does not respond to controls.	• No power to remote or drone. • Poor contact between power plugs. • drone is out of range.	• Check remote batteries, replace if needed. • Check drone battery, be sure it is fully charged. • Be sure the power plugs are firmly connected. • Be sure the remote has an unobstructed line of sight to the drone. • Remain within the remote's 328ft. range
Drone is difficult to control or flies erratically.	• Gyroscopes may be misalioned.	• Power OFF remote and drone and reconnect (see pg.7).
Drone drifts while in flight.	• Trim nol set or needs adjustment.	• Adjust trim settings (see pg. 8)
Drone suffers from mechanical trouble.	• Damage to body, propellers or other major components.	• Repair or replace parts as needed.
LED lights ON but drone does not respond to controls.	• Low battery power.	• Recharge the battery.

PRECAUTIONS

1.The remote-control distance will be shorten when the power of drone/transmitter is insufficient.
2.When the power of drone is insufficient, the drone would have trouble taking off or unable to fly high.
3.Please repair the drone in time when it is damaged.Don't fly the drone when it is seriously damaged(rotor wing breakage), or it might lead to injury.
4.Please remove the batteries or avoid the damage to the product caused by batteries leakage if you do not use the drone/transmitter for a long time.
5.Don't crash the drone from high altitude or crash it seriously, or might shorten its lifetime.