



14+
for age

X-SERIES

2.4GHz 6-Axis GYRO Quad-copter



X200-1 Instruction Manual

- In order to make sure that it can meet the electromagnetic environment standard required by Aerial Radio Station, by taking the center point of the runway as the center of a circle, all kinds of R/C models are FORBIDDEN to be used within the radius of 5000 meters.
During the period of the Radio Regulation Command formulated, all the related departments and authorities should STOP using the transmitter for this model within this area.

HIGHLIGHT OF THIS PRODUCT:

1. High-performance 3.7V 300 mAh lithium battery, dual protective board against overcharging and over-discharging, intelligent auto-recognizing system of charging current are used.
2. Dual protective board is built in the lithium battery to avoid excessive charging or discharging, which makes it safer.
3. Built-in high-gain 2.4G special-purposed antenna is applied on the transmitter, far controlling distance with smart in outer shape.
4. Energy-saving low-consumption circuit board is applied on the transmitter.
5. Quick-charging circuit and MICRO USB port for the universal mobile are built in this aircraft, etc. No need to insert or remove the batteries when charging, much more safe and convenient.
6. One-key START is applied on this aircraft and transmitter. Auto switch-off functional design, standby time is about 10 minutes, auto power off.

PREFACE:

Welcome to purchase our product. In order to make you use this aircraft easier and more convenient, please read this instruction manual carefully before operating. Please also well keep this instruction manual for future reference and maintenance.

Important statement:

1. This product is not a toy but integral precision equipment integrating the machinery, electronic with air mechanics and high frequency transmission. It requires correct assembly and debugging so as to avoid any accident. This product user should operate and control this product in a safe way. In case of incorrect operation, it may cause serious injury or even cause damaged and loss to the property.
2. This product is suitable for the player who has experience on flying this aircraft with age no less than 14 years old.
3. In case of meeting the problem during using, operating or maintenance, please contact the local sales agent or distributor or keep in touch with the responsible staff of our company.

Caution on safety:

This R/C flying model is the most dangerous commodity, thus please make sure you need to keep it far away from the crowd when flying. Any incorrect installation or damage or poor control with the electronic part or not familiar with operation may cause damaged to the aircraft or wounded people or may cause any unexpected accident. Please pay more attention to the flying safety and learn to know more dangerous behavior or condition which may cause accident due to your own negligence.

1. Keep it far away from the barrier and crowd

This R/C aircraft may have uncertain flying speed or flying state during flying and may have potential danger. Therefore, please keep it far away from the crowd, skyscraper, high-voltage wire, etc. Please also try to avoid flying under the bad weather such as storm, lightening so as to make sure safety of the player and crowd, also the safety of the property.

2. Keep it far away from the moisten environment

The inside of the aircraft is composed of many precision electronic parts and mechanic parts.

Therefore, please try to avoid any moisture or water content from entering into the main body of the aircraft as it may cause the breakdown of the mechanics and electronic parts and thus cause accident.

3. Using this product properly

Please use the original parts made by Siji Company for any re-equipping or maintenance so as to make sure flying safety. Please operate and use under the scope of the product function permitted.

Please DO NOT use it for any illegal purpose or use it beyond the scope that the safety law and regulation stipulated.

4. Avoid controlling it independently

There may have certain difficulty during the early stage of learning in operating this aircraft. Please try to avoid operating the aircraft just alone. On the contrary, please operate this aircraft under the guidance of the experienced players.

5. Safe operation

Please operate this R/C aircraft according to your own state and flying skill. Any fatigue, bad mental state or incorrect operation may increase the probability of accidental risk

6. Please keep it far away from the high-speed rotating parts

When the rotor of the aircraft is rotating in high speed, please keep the player and the surrounding crowd and any other object far away from the rotating parts so as not to cause danger or damaged.

7. Keep it far away from the heat source

The R/C aircraft is composed of the material such as metal, fiber, plastic, electronic component, etc.

Therefore, so please keep it far away from the heat source, avoid being exposed under direct sunlight, and also avoid being distorted due to high temperature or even cause damaged.

WARNING:

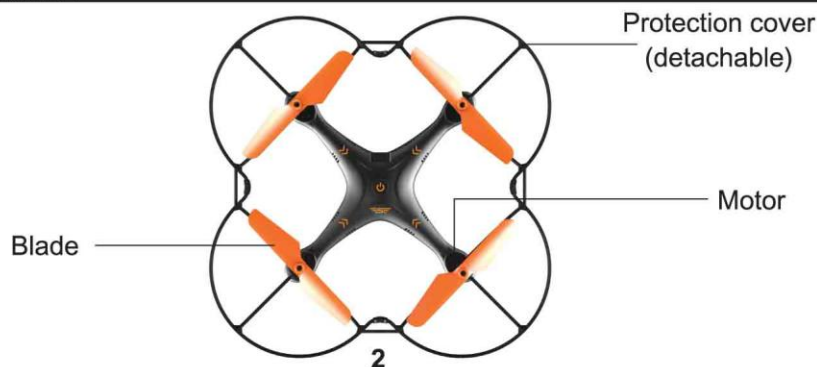
1. There is important information contained in this package and instruction manual, please well keep it for future reference.
2. You have the responsibility to make sure that this model of aircraft won't cause injury to others' body or cause any loss to the property.
3. Please operate strictly as the instruction shown on the instruction manual when debugging or assembling this aircraft. During the process of flying or landing, please pay more attention to keep 1-2 meters away between the user and the aircraft so as to avoid colliding to the head or face or body, etc. or even cause injury.
4. Our company and distributors or sale agent won't be responsible for any loss due to incorrect operation, which may cause any loss or damage or injury to the body.
5. Children should use this product under the guidance of the adult. This product is FORBIDDEN to be used by children under 14 years old.
6. Please correctly assemble it or use this product as the correct instruction shown on the instruction manual or packing instruction. Some parts should be assembled by the adult.
7. Small parts are contained in this product. Please place it beyond the reach of the children so as to avoid CHOKING HAZARD or mistakenly swallowed.

8. Playing on the road or water place is highly FORBIDDEN so as not to cause accident.
9. Please collect the packing material timely so as not to cause injury to the children.
10. Please DO NOT disassemble or re-equip the aircraft as it may cause the breakdown of the aircraft during flying.
11. Batteries in the battery compartment of the charger should be inserted into the designated power which has the same logo with the product.
12. Please use the screwdriver to loosen the screws in counter-clockwise direction on the battery compartment of the transmitter; please also load the batteries into the transmitter as per the correct polarity of the battery. Close the battery cover and wrench tightly the screws in clockwise direction.
13. Only the original charger made from our factory can be used.
14. Charger is not a toy.
15. Please pay more attention to the battery polarity when loading or removing the batteries.
16. "AA" non-chargeable batteries or "AA" chargeable battery can be used in the transmitter.
17. Non-chargeable battery can not be charged. Only the battery of the same brand or the battery the same as recommended can be used.
18. When charging the chargeable battery, please conduct it under the surveillance of the adult. Please also keep it far away from the combustible object when charging. Please keep this aircraft within the eyes scope of the guardian when charging.
19. Please DO NOT make it short-circuited or squeeze the battery so as not to cause explosion.
20. New batteries are NOT to be mixed with batteries of different types.
21. Exhausted batteries should be removed timely. Please DO NOT litter around the exhausted batteries.
22. The connecting end of the power is NOT to be removed from this model. The connecting port is NOT to be short-circuited.
23. Please DO NOT make the battery short-circuited or decompose the battery or throw the battery into the fire; Please DO NOT place the batteries near the high temperature or heated area (such as near the fire or near the electric heating device).
24. Please remove the batteries if it is not used for a long time so as not to cause damaged to this product due to battery leakage.
25. Aircraft should be kept far away from any other electric compliance or equipment as far as possible or kept far away from the place where having the magnetic object nearby as they may cause interference with each other.
26. Please keep the safe distance from the high-speed rotating rotor so as not to cause twisted or danger of being wounded or being cut.
27. The Light Emitting Diode can send out laser radiation, please DO NOT shoot the light beam directly.
28. Please DO NOT close this product to your ear as it may cause injury to your hearing.
29. Mini USB 5V.
30. In order to comply with the command of the magnetic environment requirement formulated by the Aviation Radio Bureau and the related authority, during the regulated period in certain area, please stop using the transmitter of this model when such regulation command is issued.

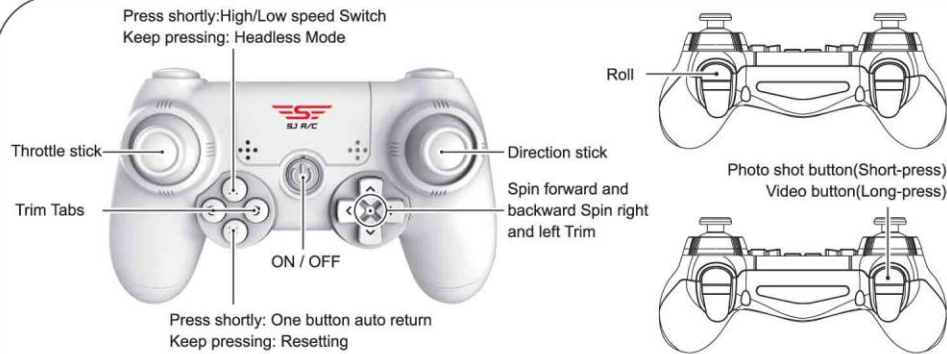
MAINTENANCE:

1. Use clean soft cloth to clean this product frequently.
2. Avoid from exposure or heating in the sun.
3. Don't put the toy in the water. Otherwise, it'll damage electronic parts.
4. Please check the plug and other accessories at regular intervals. If there is any damage, please stop using it immediately until it is repaired completely.

PARTS NAME



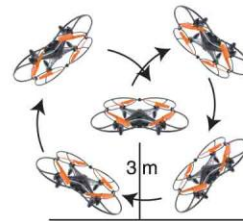
REMOTE CONTROL



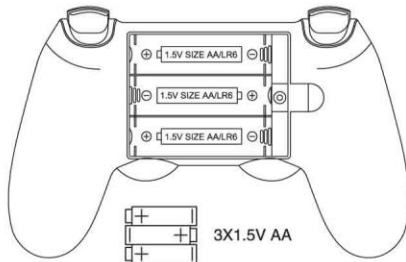
3D Tumbling Function:

When you are familiar with some operating basic skills, you can try to do some excited rolling flight. Operating the Quad-copter at the height of about 3 meters, press the rolling button, and pull up the direction stick to forward/backward/left/right to the highest position, it can be realized rolling forward/backward/left/right.

Caution: When the battery is fully charged, it will make the best tumbling performance.



ASSEMBLED REMOTE CONTROLLER



Battery cover

Take out the battery cover from the back of remote control, and install 3 batteries (size AA) into the battery case correctly (Refer to the followed picture), then shut the battery cover.

CHARGING INSTRUCTION OF THE LITHIUM BATTERY:

1. Balanced charging: If the power switch of the quad-copter is on the state ON/OFF, The Quad-copter can be charged. Inserting the USB cable into the USB port of computer, and then connect another end of the charging cable (Micro USB) with the charging port of the drone, when charging, the indicator on the power switch turn red; when full charging finished, the indicator on the power switch is OFF.
2. Quad-copter can be charged by the mobile power or car-loaded power.
3. Full charging time takes about 40 minutes.

CAUTIONS WHEN CHARGING:

1. When charging, please put this product on a dried or ventilated area and keep it far away from heat source or explosive product.
2. When charging, please remove the batteries from the quadcopter. Then charging process should be supervised by an adult so as not to cause an accident.
3. After flying, please do not charge the battery if the surface temperature is still the battery has been used for a long time, or appears to be swollen, please replace them.
4. Please make sure that you use the original USB charging cable provided. When the battery has been used for a long time, or appears to be swollen, please replace them.
5. A battery when not in use for a long time will lose its charge automatically. Charging or discharging too often may reduce the of the battery.

PREPATATION FOR FLIGHT:

1. please operate in spacious indoor or outdoor without rain or snow, and wind power should be below 4 grade, be away from people, animals and obstacle.
2. Make sure the battery of the quadcopter is well installed and connected. Turn on the switch of the quadcopter, the indication light of the quadcopter is flashing, then put it on the flat place and wait for the frequency adjustment.
3. Turn on the switch of the transmitter, pull the throttle stick to the highest position, and then pull the throttle stick down to the lowest position. There will be a sound "DI" and the indication light of the quadcopter is on, that means the frequency adjustment is connected completely and it is ready for flight.

OPERATING METHOD:

Hover up and down  Push the throttle up or down, the quadcopter flies upward or downward.	Forward and backward  Push the direction lever up or down, the quadcopter flies forward or backward.
Turn left and right  Pull the throttle left or right, the quadcopter turns to left or right.	Sideward fly  Pull the direction lever left or right, the quadcopter flies to left side or right side.
Turn left/right-tuning  When the quadcopter keeps rotating to left/right, you can correct it by pressing the fine-tuning button right/left.	Sideward fly fine-tuning  When the quadcopter keeps flying to left/right side, you can correct it by pressing the fine-tuning button right/left.

KEY FEATURES OF QUADCOPTER:

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|--|---|--|
| <ul style="list-style-type: none"> ● Auto-return function ● With Headless Mode ● With blade protector ● With 2.4GHz Radio Control Technology | <ul style="list-style-type: none"> ● With 6-Axis GYRO ● With colorful flashing lights ● Motor type: Coreless motor | <ul style="list-style-type: none"> ● Control distance: about 120 meters ● Charging time: about 40 minutes ● Flight time: about 6 minutes ● Easily to replace the battery |
|--|---|--|
- Battery of the Quad-copter: 3.7V 300 mAh li-polymer

FLYING ACTION:

With the 6 axis gyroscope,you can throw the quadcopter and push the throttle right up,it will automatically level out and hover smoothly in the sky,this can also be done when the quadcopter is rolling.



NORMAL MODE:

Normal flight mode is turned on by default,and conventional flying quadcopter fly.

AUTOMATIC RETURN BY ONE BUTTON

Press shortly One button auto return,remote control quadcopter noise occurring drops,the tail light flashes,the quadcopter began to return.

Note! In the use of return;it must be in the code when the quadcopter head is placed just before. And when in flight,super control cannot change the direction.

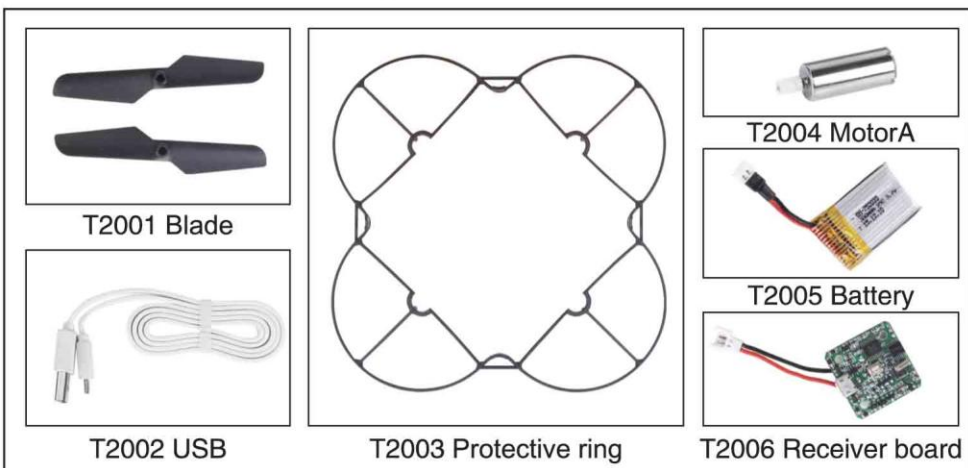
HEADLESS MODE:

Place the Quad-copter in the front forward. After finish decoding and taking off, press shortly the headless Mode Key on the transmitter to access into the headless Mode. Press shortly once again to exit the headless Mode.

COMMON PROBLEM AND SOLUTION INSTRUCTION:

THE PROBLEM	REASON	COUNTERMEASURES
The indication light of the quadcopter is flashing and without reaction when operated.	1.Frequency modulation between the quadcopter and remote control is not operated correctly. 2.Insufficient battery power.	1.Refer to the Preparation for taking off, and re-modulate the frequency. 2.Recharge the battery.
The quadcopter is blades turn around but the quadcopter cannot take off.	1.Insufficient battery power. 2.The blades distorted.	1.Recharge the battery. 2.Replace the blades.
The quadcopter shakes hardly.	The blades distorted.	Replace the blades
The fine tuning button are all on but the quadcopter still couldn't keep balance.	1.The blades distorted. 2.The motor doesn't work properly.	1.Replace the blades. 2.Replace the motor.
The quadcopter becomes of control after crashing.	Three-axis acceleration sensor lose it's balance after crashing.	Put the quadcopter on the ground for 5-10 seconds.

SPARE PARTS(Sold separately):



User Manual Note:

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

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 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.