



## 2.4GHz 6-Channel Radio Control System

**WARNING**

The following terms are used throughout the product literature to indicate various levels of potential harm when operating this product.  
**CAUTION:** Procedures, which if not be properly followed, is able to create a possibility of physical property damage AND or possibility of injury.

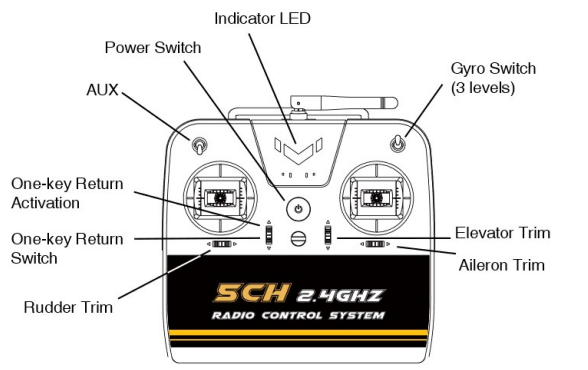
⚠ Read the **ENTIRE** instruction manual to become familiar with the features of the product before operating. Fail to operate the product correctly can result in damage to the product, personal property and cause serious injury.

⚠ This is a sophisticated hobby product and **NOT a toy**. It must be operated with caution and common sense and requires some basic mechanical ability. Fail to operate this Product in a safe and responsible manner could result in injury or damage to the product or other property. This product is not intended for use by children without direct adult supervision. Do not attempt to disassemble, use with incompatible components or augment product in any way without the approval of VolantexRC Co., Ltd..

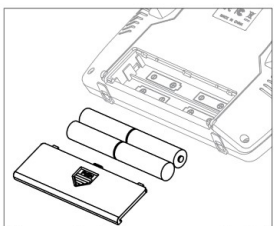
This manual contains instructions for safety, operation and maintenance. It is essential to read and follow all the instructions and warnings in the manual, prior to assembly, setup or use, in order to operate correctly and avoid damage or serious injury.

- Safety Precautions**
- Always ensure all batteries have been properly charged prior to using the model.
  - Always check all servos and their connections prior to each run.
  - Never operate your model near spectators, parking areas or any other area that could result in injury to people or damage of property.
  - Never operate your model during adverse weather conditions. Poor visibility can cause disorientation and loss of control of your model.
  - Never point the transmitter antenna directly toward the model. The radiation pattern from the tip of the antenna is inherently low.
  - If at any time during the operation of your model you observe any erratic or abnormal operation, immediately stop operation of your model until the cause of the problem has been ascertained and corrected.

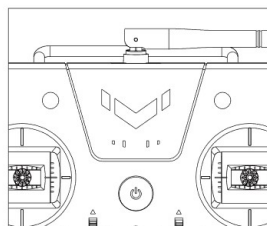
**Transmitter Details**



**Install Batteries**      **Low Voltage Alarm**

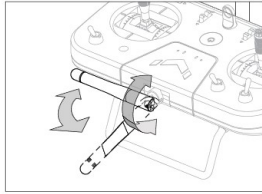


Remove the battery cover and install 4pcs AA batteries. Make sure the polarity of each corresponds with the diagram in the battery holder. Replace the battery cover.



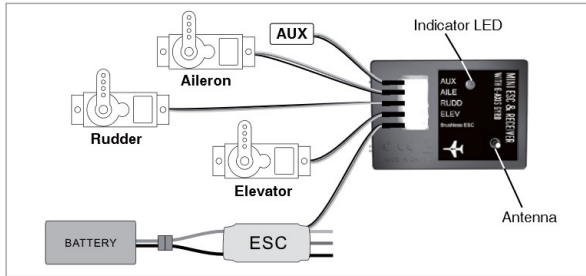
When the battery voltage drops below 4.3 volts, an alarm will sound and the indicator LED will flash.

## Retreatable Antenna



The transmitter comes with a retractable antenna. When transporting, you can rotate it down to rear place to keep it looking neat.

## Setup Your Receiver



Install the receiver in your vehicle using double-sided tapes. The tapes will hold the receiver in place and help keep it from vibrations. Make sure the receiver is installed at a level plate so that the gyro works normally.

**CAUTION:** Do not cut the antenna.

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## Flight Control(Gyro) Switch Instruction

		Expert (Manual Control)
		Medium (Regular Flight Control)
		Beginner (Strong Flight Control)

## Flight Control System Calibration



1. Turn the throttle stick to min position.
2. Power on the transmitter and the receiver.
3. Do NOT unlock the throttle.
4. Keep the sticks as above picture for several seconds.
5. When you hear a "beep" sound, it means the flying control system is calibrated based on the horizontal level you are keeping it.

## Channels Reverse

**WARNING:** Normally this function is not necessary to be operated. Only operate the above steps when you understand completely of the channel reverse function.

**WARNING:** Do NOT reverse throttle otherwise serious damage would probably cause!

1. Turn the throttle stick to min position.
2. Power on the Transmitter and the receiver.
3. Do NOT unlock the throttle.
4. Turn the channel stick to max position of any side and hold for several seconds.
5. When you hear a "beep" sound, it means the channel is reversed.

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## Binding

1. Keep the plane steady to activate the gyro.
2. Connect the battery to the plane.
3. Power on transmitter, keep the throttle stick at lowest position.
4. The receiver LED will flash then to solid in several seconds.
5. Now the plane is bound to the transmitter.

## Throttle Unlock(Arming)

**Notice:** To prevent from damages, the throttle channel is locked each time when power on your transmitter. Keep the propeller in distance for your safety.

To unlock the throttle, turn the throttle stick up to max until you hear a "beep" sound. Then turn the throttle stick down to min until you hear a "beep" sound. Now the throttle is unlocked.

## Channels Reactions Checking

Transmitter Operator	Reaction	Swing The Plane	Reaction

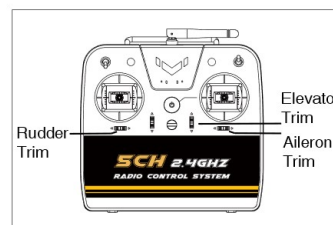
Place your plane in a neutral position, follow below steps to check the channels reactions.

Move the sticks(except the throttle stick) to see if all servo surfaces react correctly as shown in the left diagram(left throttle for example).

Swing your plane to check if all servo surfaces react correctly as shown in the right diagram.

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## Digital Trims



Each time when a trimmer is move the servo output will change one step. If the trimmer is held, the output will scroll in that direction until the trimmer is released or the output reaches its end. When you hear a short "beep" sound, it means the trimmer is centered.

## One-key Return Instruction

The transmitter and receiver set comes with one-key return function, which enable the plane to return by the opposite direction that the plane takes off.

Follow below steps to activate the function.

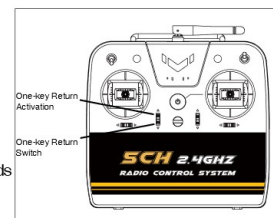
1. Place your plane heading to the take-off direction.
2. Do NOT unlock the throttle, press the activation button and hold for several seconds until you hear a "beep" sound, the rudder surface will respond, meaning the one-key return function is now activated.

**NOTICE:** Every time when you power on the plane, it requires to activate the one-key return function all over again.

To use this function during flight, press the one-key return switch button, the plane will turn around automatically, back to the opposite direction where it takes off.

To quit, just press again the switch button, or control any servo stick(rudder/elevator), the plane will back to your control immediately. No matter you flies the plane under manual control or gyro assist mode, when you turn on the one-key return function, the plane will enter gyro assist mode automatically to help stable flying back. When you quit this function, the plane will back to the what the control mode it was.

**CAUTION:** This function is bound to the receiver, instead of to the transmitter, which means the plane will return ONLY to the opposite direction that the plane takes off.



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## Perform Range Check

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As a precaution, an operational ground range check should be performed before the first flight each time out.

Performing a range check is a good way to detect problems that could cause loss of control such as low batteries, defective or damaged radio components or radio interference. This usually requires an assistant and should be done at actual flying site you will be using.

Firstly, turn on the transmitter. Then install the fully charged battery in to the vehicle and hold it in place with hook-and-loop strap. Connect the battery and install the hatch.

Remember, carefully not to "bump" the throttle stick. Otherwise the propeller will rotate and possibly cause damage or injury.

With the antenna on the transmitter collapsed(not extended),begin walking away from the model operating the controls in a predictable pattern(for example, turn elevator up, and then down. Turn aileron and rudder right, and then left). While moving the control surfaces, also vary motor rpm.

Remind your assistant to alert you if the controls fail to respond or if they move suddenly or erratically. You should be able to maintain control up to a distance of approximately 100 feet(30 meters).

If the controls respond erratically or if anything else seems wrong, make certain all the servo wires are securely connected to the receiver and that the transmitter and receiver batteries are fully charged. If you can not find a mechanical problem with the model, it is slightly possible that there is radio interference somewhere in the area. One option would be to try another range check at an alternate flying site.

After the range check, fully extend the antenna.

## Failsafe Setting

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The transmitter comes with the receiver failsafe set to NONE. In the event of loss of signal the motor will stop and the vehicle will willdrift. If the signal is regained normal function will return.

If you wish to program the failsafe to a custom setting, just follow these simple steps:

1. While binding(LED flashing), keep sticks at position that you want the vehicle to stay when failsafe
2. When binding done(LED stop flashing), the system will remember the position you set for failsafe