KR-407S 2.4GHz SS Receiver

Instruction Manual

At this time we would like to thank you for purchasing the KR-407S. **This product has adopted the current 2.4GH z SS system which allows the use of multiple channels without the need to search an available open channel like the bands of a crystal system.** This product corresponds to the transmitters that are sold by our company, listed below. Please read this instruction manual before using this product. Also please read the instruction manual of the transmitter being used.

Transmitter Response RF Module **EX-5UR / RF-901S**

For your safety, please note the handling and use of this product.

⚠ WARNING ⚠ **The contents of this display show a possibility of death or where a serious injury may occur or a highly substantial damaging accident may occur.**

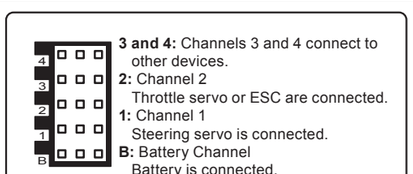
- This product is manufactured for surface use radio controls. *Discontinue use for all other purposes.
- Discontinue use in the event of a thunderstorm. *There is danger of a lightening bolt striking the antenna of the transmitter.
- Do not use if there are rain puddles. *Loss of control may occur due to water damage.
- Discontinue use when consuming alcohol or medication that may hinder concentration or judgment. * Unexpected accidents are caused with a judgment mistake.
- Some parts are sharp and angular, please be careful.Please keep away from small children.
- Poisoning by accidental ingestion and there is a risk of burn injuries.
- Only use the batteries specified in the instruction manual of the transmitter.
- To turn the system on, start by turning on the transmitter then the receiver. To turn off the system, turn off the receiver first, then the transmitter in this sequence.
- Please be sure to use only our products for the transmitter and servos.* Concerning the damage and the like, which is generated when combining products that are not our company's genuine products we do not owe responsibility.
- Altering the transmission module is inhibited by law and is subjected to penal code violations. Resolution remodeling of all products may result in the cause of a short and other accidents. In addition, if this product is altered we will refuse repair service.
- Please do not use this product inside an airplane, hospital, near any automatic control equipment, medical electrical machinery and apparatus such as fire alarms.In addition with respect to the law, if this product effects other radio equipment and electronic equipment, use must be discontinued at once.

⚠ CAUTION **This displays shows the possibility or a substantially damaging accident which can cause injury.**

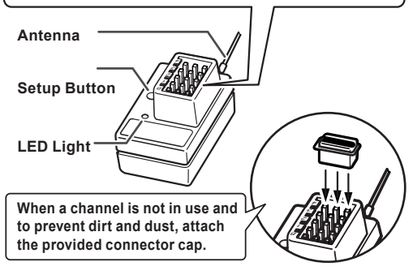
- Please avoid storage in a place of high temperatures and high humidity because it may cause the breakdown, damage and deformation of the product.
- Please note when using with an engine model, place where exhaust and the waste oil will not come into contact with the product. *In case of submerging in oil or water, please send it out for repair.
- This product's performance is designed for use in the shown specified usage, which is based on this instruction manual and the instruction manual of the transmitter that is used. When the instructions are not understood, please contact our service department for advises.
- After verifying the safety of use, think of all the accidents possible and please enjoy with responsibility.

Our company cannot owe responsibility from the nature of the radio control models and the customer assumes all responsibilities that result from this product being used.

Names of Parts

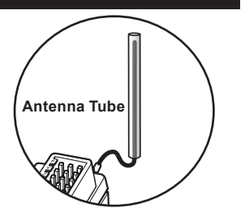


3 and 4: Channels 3 and 4 connect to other devices.
2: Channel 2
Throttle servo or ESC are connected.
1: Channel 1
Steering servo is connected.
B: Battery Channel
Battery is connected.



Installing the Antenna

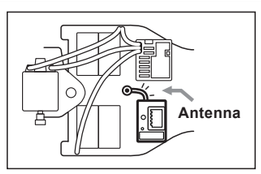
- Please use plastic mounts and a plastic antenna tube.
- Please do not use a metal antenna mount because it will create noise and problems.
- To protect the main antenna, insert the antenna into the antenna tube.
  Also please do not disconnect or cut the antenna. This will cause loss of signal.



⚠ CAUTION **Please do not cut the antenna wire. You will receive less range. Please place antenna away from receiver battery, ESC, motor and silicon wires and any other noise source. The antenna wire for the receiver requires special attention.**

Placement with attention to electric cars

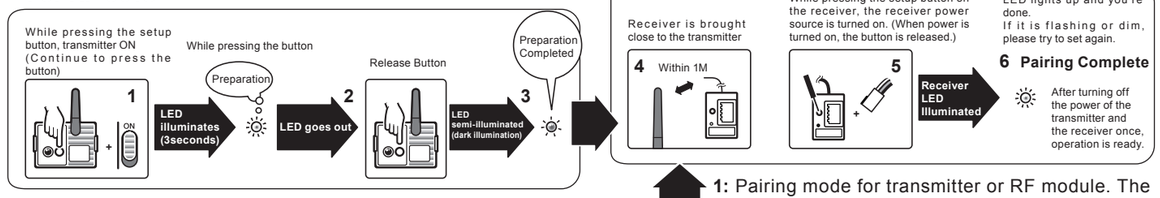
Please keep distance to the receiver site, due to noise sources of the battery, motor, ESC, etc. if possible. Also keep away power condensers and shotki diodes that generate noise from the receiver antenna if possible.



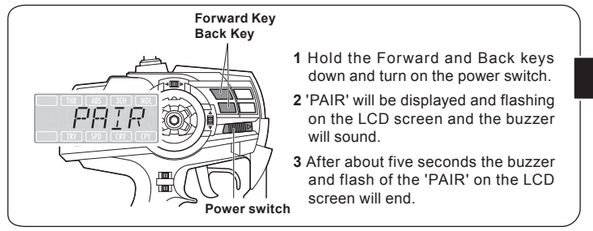
Pairing

When using the receiver for the first time, the receiver must store the ID number of the module and 'pairing' of the receiver and module is necessary. Pairing must be performed when the module or transmitter that is used is changed. When multiple receivers are used, each receiver must go through the pairing process at least once.

For RF-901S



For EX-5UR



1 Hold the Forward and Back keys down and turn on the power switch.
2 'PAIR' will be displayed and flashing on the LCD screen and the buzzer will sound.
3 After about five seconds the buzzer and flash of the 'PAIR' on the LCD screen will end.

1: Pairing mode for transmitter or RF module. The models differ for each. Please refer to the manual of each model and the figure on the left.

2: Prepare the transmitter or RF module when you are ready to pair the KR-407S. (If you are using an electronic speed controller in your car, make sure you have the power connected and turned on when pairing.)

3: Hold the setup button on the KR-407S and turn on the power. Once the LED is lit, release the button and pairing is complete.

4: Once you've completed the pairing, turn off the power to the receiver and transmitter and verify connection by turning the system on again.

⚠ CAUTION **If you are having difficulties pairing, make sure that you are not around a wireless LAN or microwave. If you are please move to a different location and try again.**

⚠ CAUTION **After pairing is complete, Please turn off in the order of receiver transmitter.**

Note in regard to use and carrier sense

⚠ WARNING ⚠ **In order to be able to do 'carrier sense' appropriately, the location where power of the transmitter is turned on should be as close as possible to where the model will be operated.**

When turning on the transmitter, the RF-901S module will scan for a free frequency while the receiver scans for its paired module. This is called 'carrier sense'.

Fail-safe function

Fail-safe is when the receiver loses the radio signal of the transmitter, and the function keeps channel 2 (throttle) in an optional position. The configuration is usually full brake or neutral.

Configuration instructions

- Turn on the transmitter and the receiver and verify operation.
- On the transmitter, hold the throttle to the position you would like it to be set to. While holding the position, press the setup button on the receiver.
- Hold the setup button on the receiver until the LED light goes off and release the button.Fail-Safe setting is complete.

⚠ WARNING ⚠ **Please be sure to set the fail-safe.**

⚠ CAUTION **If you change the position of the fail-safe operation, please set again. We recommend to set it again even if you modify the car engine brake linkage.**

KR-407S compatibility with conventional models

- When changing your conventional receiver to the KR-407S receiver, please note the following.

Check the operating range of each channel and re-adjust the travel, steering, throttle high point and brake points on your transmitter. For electric cars, ESC (speed controller) should also be reset to your transmitter.

⚠ CAUTION **If you use it without checking these setting, the servo may become damaged or may cause abnormal behavior.**

About Repairs

If you request a repair, please report the fault in as much detail as possible.
This will aid in knowing the problem and parts to be used and repair time.

When you believe you need service.

- Please refer to your manual once more and please inspect.
- When you do not understand something, please inquire our service department.
  When inquiring to our service department about a breakdown, please include as much detail as possible of the contents mentioned below about your problem.
  - ☐ Name of products (battery, car, transmitter & motor) used.
  - ☐ When breaking down, usage condition and description of breakdown condition.
  - ☐ Your address, name and telephone number.
- When a repair is being requested, please be sure to send the memo which includes the above mentioned contents in as much detail as possible.

Technical Specifications

- KR-407S Receiver
  High Speed Response / fail-safe function
  Number of Channels: 4CH/
  Power Source: 4.8v ~ 7.4v
  Size: 28x18.3x18.5 / Weigh: 7.5g

KONDO KAGAKU CO.,LTD.
Web Site :www.kopropo.co.jp
Phone:+81-3-3807-7648
4-17-7 Higashi-Nippori,Arakawa-ku,
Tokyo Japan 116-0014