

At this time we would like to thank you for purchasing the KR-418FH. 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.

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
Warning or a highly substantial damaging a Warning 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 thunder storm.
*There is danger of a lightning bolt striking the antenna of the transmitter. ●Discontinue use when consuming alcohol or medication that may hinder concentration or judgment. *Unexpected accidents are caused with a judgment mistake. ●When rain and puddles are present, please discontinue use. *There are times when water enters into the equipment and control will be lost.
●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.

Attention This displays shows the possibility or a substantially damaging accident which can cause Attention 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 which is used. When the instructions are not understood, please contact our service department for advise. ●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.**

Summary of this product

Features

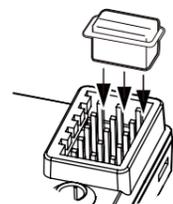
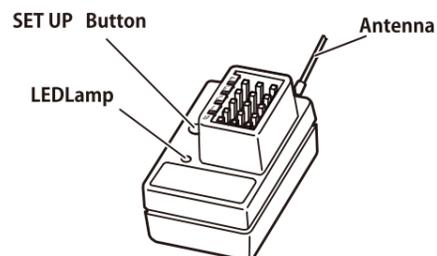
1. 2.4GHz FHSS micro receiver

It is the smallest, lightest receiver in this class.
*Refer to the installation instructions below.

2. HCS (High Speed Communication System) correspondence

HCS is the new high speed communication system between the receiver to the servo.
*Refer to the SET UP instructions below.

Name of parts



When a channel is not in use and to prevent dirt and dust, attach the provided connector cap.

- 4 : Servo or ESC are connected.
- 3 : Servo or ESC are connected.
- 2 : Throttle servo or ESC are connected.
- 1 : Steering servo is connected.
- B : Battery is connected.

Technical Specifications

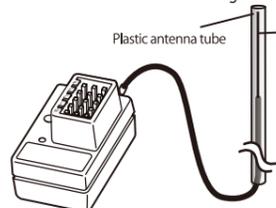
- 2.4GHz FHSS receiver ●HCS/Normal mode compatible (Each 4 channels) ●Fail safe system ●Power source: 4.8 v - 7.4 V
- Size : 28 x 18.3 x 18.5 mm ●Weight : 7.5g
- Corresponding Transmitters : EX-RR, EX-1, EX-2, Esprit4, EX-5FH RF Module : RF-903FH/904FH

Installation

Installing the Antenna

Please use plastic mounts and a plastic antenna tube. Please keep the antenna wire elevated to the highest position available.
●Please do not use a metal antenna mount because it will create problems.
●To protect the main antenna, insert the antenna into the antenna tube.

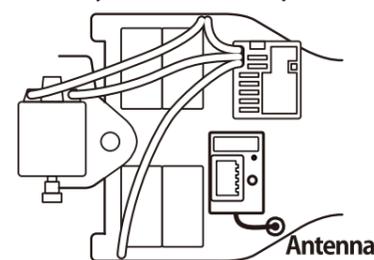
Attention Please do not disconnect or cut the antenna.
This will cause loss of signal.



- Antenna tip 3cm (silver wire) is the working part of the antenna.
*Do not disconnect or cut the antenna.
- For the prevention of the loss of the antenna tube, use adhesive to secure.

Antenna Installation Location

Please keep distance to the receiver site, due to noise sources of the battery, motor, ESC, etc. If possible.

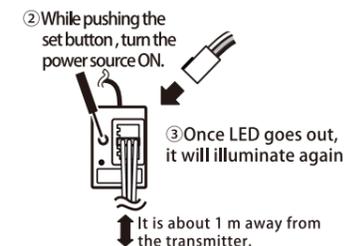


Pairing

Attention If the pairing fails it may be due to a wireless LAN, microwave oven or someone else trying to pair at the same time.

Pairing operation

- ① Prepare the transmitter (or module) for the pair process.
(Please read the instruction manual of the compatible transmitter or module.)
- ② While pushing the set button on the receiver, turn the power source ON.
- ③ Release the set button when the LED lamp of the receiver lights up. Once it goes out, it will illuminate again and the pairing will be complete. If the LED is flashing or dim, please try to set again.
- ④ Please turn off the power of the receiver and transmitter. After pairing is completed, turn on the transmitter and then the receiver and your system will be ready to use.



Set Up for HCS mode

Attention Please use mode setting after confirmation by all means.

HCS The HCS mode shortens the communication time of the signal which has been compressed.

What's HCS... HCS is a communication method to largely improve linearity of the servo movement. When using HCS mode, correspondence servos (ex, RSx3/BSx3series) are required. The correspondence servo recognizes both modes automatically.

※ Please do not connect a non-corresponding servo with HCS mode or the servo might become damaged.

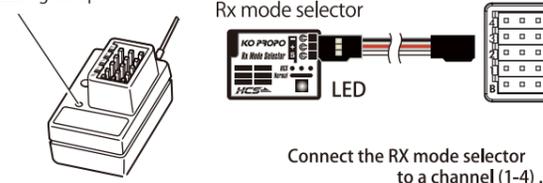
※ The factory default setting for all channels are in the normal mode.

How to check HCS mode or normal mode.

[Operation]

- ① Turn on the transmitter and receiver and verify operation.
- ② While the LED lamp of the receiver lights up, connect the RX mode selector to a channel (1-4) which to confirm.

While LED lights up...



- ③ The LED of the Rx mode selector displays a mode that the connected channel is in.
 - HCS mode; LED Flashing
 - Normal mode; LED lights solid
- ④ Switch it off and connect a servo (ESC) for the correct state of use for the mode.

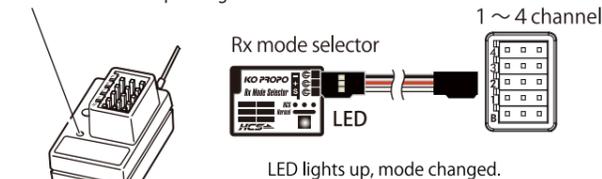
How to change the mode.

KR418FH can change a mode to each channel 1-4 individually.

- ① Switch off the receiver and connect the mode selector to a channel that you would like changed.
- ② While pushing the set button on the receiver, turn the power source ON.
When the LED of the mode selector lights up, the change is completed.

Connect the RX mode selector to a channel (1-4).

Turn on receiver while pushing set button.



- ③ For safety, We recommend that confirm the mode after the mode change.
- ④ Switch it off and connect a servo (ESC) for the correct state of use for the mode.

※ When using an ESC for a power supply, connect an ESC to a battery channel.

Set up for Fail-safe

Attention Please be sure to set the fail-safe.

Operation

- ① Turn on the transmitter and receiver and verify operation.
- ② 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 for 3 seconds.



- ③ Hold the setup button on the receiver until the LED light goes off and release the button.



- ④ LED will illuminate again and the Fail-safe setting will be complete.



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.

About Repairs

When breakdown repair it is requested, please report the breakdown status in as much detail as possible. By noting the problem, repairs are performed quicker.
●When you believe you have a breakdown.
•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 in 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.

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