

For your safety

Please note the handling and use of this product.



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 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 judgement. *Unexpected accidents are caused with a judgement 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.



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

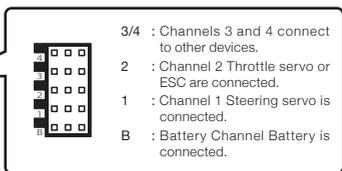
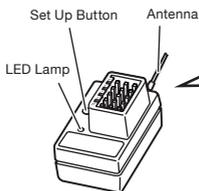
- Please avoid storage in a place of high temperatures and high humidity because it may cause the breakdown, damage and deformation of the product.
- Please note when using with an engine model, place where exhaust and the waste oil will not come into contact with the product. *In case of submerging 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 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.

About this products

Technical Specifications / Name of Parts

- **KR-411FH (Receiver)**
- Number of Channels : 4 CH
- Power source : 4.8 v - 7.4 V
- Size : 28 x 18.3 x 18.5 mm
- Weight : 7.5 g
- D.D.S. compatible
- Fail safe system
- Response Mode Compatible (ULTRA / ADVANCED / SUPER / NORMAL / DD ADVANCED / DD HI SPEED / DD NORMAL)



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

Corresponding products

Please use this product with FHSS RF-Modules.

- **Corresponding Transmitters**
EX-10 euros / Helios
EX-1 UR
ESPRIIT-3 UNIVERSE
- **Corresponding RF-Modules**
RF-903FH
RF-904FH
- **Corresponding Servos**
Digital Servos

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.

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



- Please do not disconnect or 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.

For electric powered models

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 that is used is modified. When multiple receivers are used, each receiver must go through the pairing process at least once. This product has a French mode that respects the French 2.4GHz rule. Please use this mode in France.

1 Prepare the module for the pair process. Please read the instruction manual of the compatible module.

4 The antenna of the receiver is brought close to within 1m. While pushing the set button on the receiver, turn the power source ON. (Please push the setup button of the receiver easily with a cylindrical shape such as toothpick.)

5 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.

6 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.



- If the pairing fails it may be due to a wireless LAN, microwave oven or someone else trying to pair at the same time. Please move to another location where you can try the pairing again.
- After pairing is completed, turn on the transmitter and then the receiver and your system will be ready to use.

Compatibility with conventional models

When changing your conventional receiver to the RF-903FH / RF-904FH module / KR-411FH receiver, please note the following.



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

- 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.

Functions

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.

①

Setting

1

Transmitter ON

This function works for only 2nd channel.

2

Transmitter ON

Turn on the transmitter.

3

Receiver ON

Turn on the receiver and verify operation.

②

Check

4

Hold the throttle to the position

On the transmitter, hold the throttle to the position you would like it to be set to.

Recommended positions are the following :

Full Brake

- GP car
- EP car
- (forward / Brake)

Neutral

- EP car
- (forward / Back)
- (forward / Brake / Back)

5

Press for 3 seconds

While holding the position, press the setup button on the receiver for 3 seconds.

6

LED light goes off

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.

ATTENTION

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.

D.S.C. (Direct Servo Control)

By connecting receiver and servo directly with transmitter using D.S.C. (Direct Servo Control), you can configure settings without transmitting radio wave in pit area or near R/C circuit. Please read the instruction manual of the transmitter.