

KO PROPO RF-904FH

2.4GHz FHSS RF Module

Instruction manual

At this time we would like to thank you for purchasing our product. 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.



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. *Unexpected accidents are caused with a judgement mistake.
- Discontinue use when consuming alcohol or medication that may hinder concentration or judgement.
- 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 own responsibility.
- Altering the transmission module is inhibited by law and is subjected to penal code violations. Resolving remodeling of all products may result in the cause of a short and other accidents. In addition, if the 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 affects other radio equipment and electronic equipment, use must be discontinued at once.



This displays shows the possibility of 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 advice.
- 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

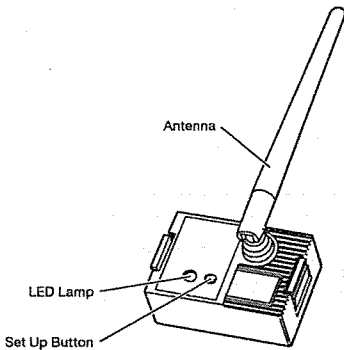
Technical Specifications

- RF-904FH (RF-Module)
- Frequency : 2.4GHz
- Modulation technique : Frequency Hopping mode (FH-SS)
- Output : Approximately 3mW
- Electric power consumption : Approximately 90 mA
- Operational possible range : Radius approximately 160 m
- Operation mode : General / French (using this mode in France)
- Antenna : Single type
- D.D.S. compatible
- High speed response correspondence (DD ADVANCED / DD HI SPEED / DD NORMAL)
*3rd or 4th channel can be used with only DD NORMAL

Corresponding products

- Please use this product with FHSS receivers.
- Corresponding Transmitters
EX-10 eurus
 - Corresponding Receivers
KR-411FH
 - Corresponding Servos
Digital Servos

Name of Parts



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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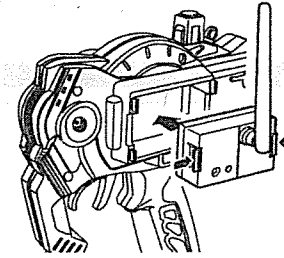
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Installation

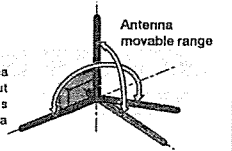
Installation of Module

When removing and installing of the module please make sure that the power switch of the transmitter is turned to OFF.

- 1 : Note that excessive pressure is not applied on the module pins of the transmitter when inserting the RF module.
- 2 : When in use please adjust and try to have the antenna as much as possible vertically positioned.



Please do not touch the antenna while in use. Radio wave output becomes extremely weak. This will alter the module antenna range.



Compatibility with conventional models

When changing your conventional receiver to the 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.

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.



- 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.

Pairing (General / French)

1 transmitter ON (continue to press the setup button)	2 mode : General LED illuminates (3 seconds) goes out When LED goes out is verified, please release the set button.	3 semi-illuminated When the LED light goes to a darker illumination (semi-illuminated), preparation of the transmitter is set.	4 While pressing the setup button Receiver Power ON	5 LED illuminates Release Button 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. If it is flashing or dim, please try to set again.	6 The pairing will be completed 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.
2 mode : French LED illuminates (3 seconds) Re illuminates goes out (3 seconds) Hold for 3 seconds the LED goes out, hold for 3 more seconds until LED lights back up, please release the set button.					

To change mode / To confirm your mode (General / French)

- To change mode : Please do pairing mode that you want to set.
- To confirm your mode :
 General : LED lamp comes on when you turn it on.
 French : LED lamp flashes once and then the LED lamp comes when you turn it on.



The receiver's mode is set when paired. Please complete the pairing process when you change the mode.