

KO PROPO

Micro 2.4GHzXT 4CH Receiver

KR-242XT

Ver.1.00

Instruction Manual

Thank you for purchasing this product. Before using the product, please also check this instruction manual and the instruction manual of your transmitter. Due to product improvements, the contents of this manual are subject to change without notice. Please note.

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

Warning

The contents of this display shows a possibility of death or where a serious injury 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 lightening 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 display shows the possibility or a substantially damaging accident 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.

Summary of this product

Features

1. Serial/Telemetry correspondence.

You can change servo parameters by "REAL TIME ICS".*Refer to the Transmitter instructions for detail.
- 2.HCS correspondence

HCS is the new high speed communication system between the receiver to the servo.
*HCS configurations are set by EX-NEXT.
3. Micro 2.4GHz XT Receiver

Has multi functions, but very small and light weight.
*Please refer "How to install" as below.

Name of parts

LED

Set up Button

Antenna

This can be used as an antenna pipe holder when using a short antenna.

<Servo connector name, assign>

1: Connect Steering Servo
2: Throttle servo or ESC.
3: Servo or ESC
4: Servo or ESC
B/s: Battery or Serial device

Serial Communication/Telemetry functions can use a device which is connected to the B/S terminal. If you use "REAL TIME ICS" with 4S series, connect to the B/S terminal. If you connect a battery, cooling fan, transponder, etc., connect them to one of the available 1~4 channels.

Specifications

#Radio system : 2.4GHz XT #Serial communication/ Telemetry correspondence #HCS correspondence #Fail safe function #Operation voltage 4.8 to 7.4V Dimensions : 30.9 x 18.4 x 13.5mm #weight 5.8/5.4g(Short antenna) #Compatible transmitter : EX-NEXT

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.

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.

Attention

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

■ Antenna Installation Location

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

Noise source
ESC/Motor
Battery
Silicon wire
Capacitor
etc

Antenna

KR-242XT is for telemetry mode only;
be sure to use EX-NEXT with RF mode set to TLMY.

Pairing <for General RC car>

Attention

Be aware of the effects of other people's pairings and other wireless systems.

①, Please set the EX-NEXT to Pairing mode (Refer to Startup guide or instructions)

Pairing method 1

- ②While pressing the set up button on the receiver, turn the power source ON.
- ③Release the set up button when the LED lamp of the receiver lights up. The LED lamp with then go off.
- ④Please confirm the LED lamp comes on again (this is the sign that the pairing has finished).
- ⑤After about 3 seconds, the LED will go off again and start flashing. This is the sign that it is waiting for a signal from the transmitter.
- ⑥Please turn off and turn on again.

Light on

Pairing method 2

- ② The LED lamp will start flashing when power is turned on.
- ③Please press the set up button and confirm the LED lamp light. When the LED lamp goes off, release the set up button.
- ④Confirm the LED lamp comes back on again.
- ⑤After 3 seconds, the LED lamp will go off and start flashing.

This is the sign that the receiver is waiting for a signal from the EX-NEXT.

- ⑥Press back button on the EX-NEXT.

Light on

⑦Please confirm light on the LED lamp on the receiver.

*If the LED light is blinking, the receiver is unable to receive the signal and determine the signal. Please do pairing method again.

About function settings such as RF mode and response.

Attention

Please check the mode setting before using.

All of the settings can be changed from the transmitter. The receiver and servos automatically judge the signal and set, so there is no needed operational changes. When changing the transmitter mode and receiver mode, this will be over written and changed when performing the pairing function.

Correspondence function of the servo		4S series	RSx3/BSx3 (HCS)	before RSx/BSx	PDS series
RF MODE	Response *1				
TLMY	HCS	○	○	—	—
	NORMAL			○	○
	MILD			○	○
Serial communication/ Telemetry		○	—	—	—
REAL TIME ICS			—	—	—

*1: Response can be changed in the Telemetry mode only. Please notice that the response setting is not changed when changing the RF mode setting. All response default setting are set to NORMAL. (Default setting of the KR-420XT for MC-8 should be set to MX-F/MILD.)

Fail safe function setting

Warning

For your safety, be sure to set fail safe.

Setting Procedure

- ①Turn on power transmitter and receiver.
- ②Operate the throttle trigger to the position you want to set it for fail safe. Hold the position of the trigger and press the set up button on the receiver.
- ③Continue pressing the set up button until the LED lamp goes off and then release the setup button.
- ④LED lamp will come on again.

Light off

The fail-safe setting is complete.
Be sure to check the failsafe settings.

Attention

●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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