

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 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 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.

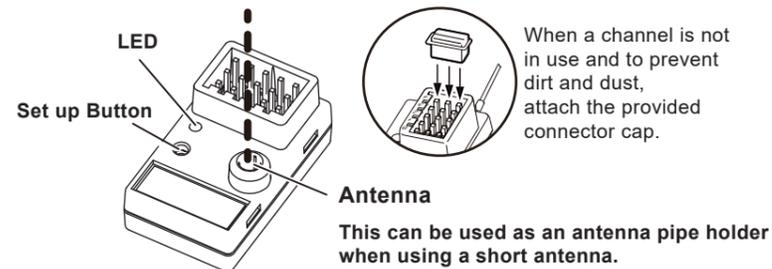
**Our company cannot owe responsibility from the nature of the radio control models And the customer assumes all responsibilities that result from this product being used.**

**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**



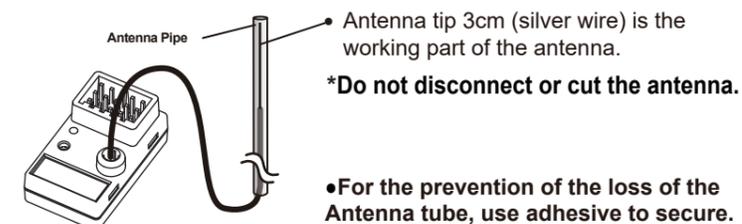
**Specifications**

#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/ MC-8 \*1  
\*1 EX-NEXT is needed to change the setting of the KR-420XT. Please set the KR-420XT to RF-MODE: MX-F Response: MILD.

**Installation**

**Installing the Antenna**

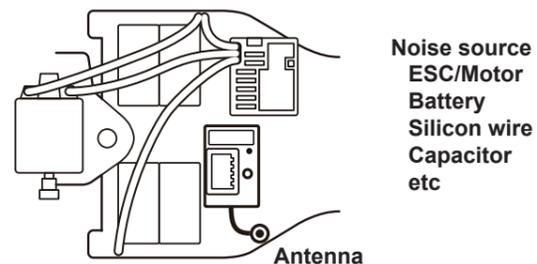
- Please use plastic mounts and a plastic antenna tube. Please keep the antenna wire elevated to the highest position available.
- Please do not use a metal antenna mount because it will create problems.
- To protect the main antenna, insert the antenna into the antenna tube.



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

**Antenna Installation Location**

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



**FCC statement**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:  
(1) This device may not cause harmful interference, and  
(2) this device must accept any interference received, including interference that may cause undesired operation.

**CE approval**

Please refer DocC document from below URL  
[https://www.koproco.co.jp/ce/exnext\\_doc.pdf](https://www.koproco.co.jp/ce/exnext_doc.pdf)

**Pairing <for General RC car>**



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)

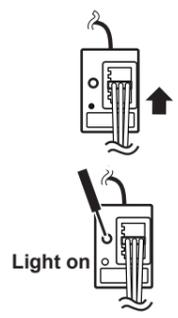
**Pairing method 1**

- ② While pressing the set up button on the receiver, turn the power source ON.
- ③ Release the set up button when the LED lamp of the receiver lights up. The LED lamp with then go off.
- ④ Please confirm the LED lamp comes on again (this is the sign that the pairing has finished).
- ⑤ After 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.
- ⑥ Please turn off and turn on again.



**Pairing method 2**

- ② The LED lamp will start flashing when power is turned on.
- ③ Please press the set up button and confirm the LED lamp light. When the LED lamp goes off, release the set up button.
- ④ Confirm the LED lamp comes back on again.
- ⑤ After 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.
- ⑥ Press back button on the EX-NEXT.



⑦ Please 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.**



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 *2				
ADV	HCS	○	○	—	—
	NORMAL	*1			
	MILD				
TLMY	HCS	○	○	○	○
	NORMAL			○	○
	MILD			○	○
MX-F	HCS	○	○	—	—
	NORMAL			○	○
	MILD			○	○
Serial communication/ Telemetry					
REAL TIME ICS					

\*1: Servo's maximum degrees of operation will be limited to about 42 degrees for each side (Limited direction is changed by setting of reverse, etc). This is the same for Throttle travel (F or B) which would be limited to around 97. Also, the Steering Travel (L or R) will be limited to around 138 (at a Balance setting of 70). Some servos may vibrate near the limit degree of travel. In this case, please use this servo on the RF mode of TLMY, response MILD.

\*2: 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**



For your safety, be sure to set fail safe.

**Setting Procedure**

- ① Turn on power transmitter and receiver.
- ② Operate 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.



- ③ Continue pressing the set up button until the LED lamp goes off and then release the setup button.



- ④ LED lamp will come on again.



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

**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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**KO PROPO**