

KO PROPO® RSx Series servo manual

Thank you for purchasing the RSx servo. Please refer often to this manual before using the product. Also please keep this manual for future references and refer to it at anytime.

About safety

Note on usage

- We have examined the operation of this RSx servo in combination with other KO PROPO products as a prerequisite condition. We cannot assume any responsibility for the use of other company' s products with this unit.
- Vibration during usage can damage the servo. Use the rubber grommets included to prevent the servo from coming in contact with mechanical plates. Over tightening the grommets reduces the effect of preventing vibration.
- Check any linkage connected to the servo for free movement. Loose or bound linkage will increase power consumption, which may shorten the operational life of the servo.
- When using dry cells as a power supply, the correct performance may not be shown.
- Modification of the unit by the customer may render the product un-repairable.
- * Specifications may change without notice due to performance improvements.


Danger
The following displays the content of danger that can cause serious injury, death and etc.

While operating this product, do not carelessly touch, put it to your face or etc. *There is danger of fracturing or cutting your finger or other parts of your body from the strong torque output of the output axis. There is also the danger of being burned due to the heat generated if the servo is over-loaded.


Attention
This display shows the content to which a possibility and/or a disadvantageous accident may occur causing injury.

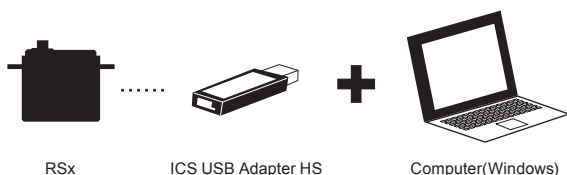
- The connection of a RSx servo should only be used with our company' s products for the best result. Our company does not assume the responsibility of damage, etc. that may occur because of the use of this product in combination with other manufacture' s products.
- Confirm the connector direction and make sure it is securely inserted. If the connector becomes loose due to vibration during a run, it will drive recklessly.
- Do not use in a place where there are puddles or rain. *Water may enter the equipment and cause damage internally.
- Resolve any problems before proceeding and do not remodel the product.

Features



Interactive Communication System

ICS (interactive communication system) allows for the settings to be read, changed and transmitted between the servo. In addition, the possibility to interact with the communication by changing and programming has extended the ICS purpose.

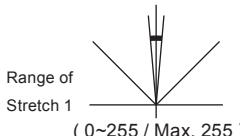
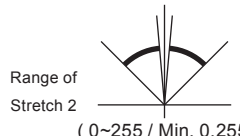


Please download software for setting from our site.

When the servo powers on there may seem to be a slight glitch, this is normal.

RSx Digital servos have high torque in the neutral position. Sometimes you may see this slight glitch at neutral but this is normal. Please use this servo as this does not alter the performance.

Set content

Pulse Stretch	The holding characteristic of a digital servo can be set similar to that of an analog servo.
	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Stretch 1</p> <p>Around neutral</p>  </div> <div style="text-align: center;"> <p>Stretch 2</p> <p>Around end point of steering range</p>  </div> </div>
Speed	A function to adjust the maximum power of the servo (0~127 / Max. 127)
Punch	A function to improve the initial response of the servo. (0~10 / Max. 10)
Dead Band	Adjusting the dead band. Narrowing the dead band creates a more precise neutral position, but the servo may make more noise according to how your linkage is set. (0~5)
Dumping	A function to adjust brake feeling of the servo (0~255)
Model Select	5 model memories (1~5)

Contact information for repairing goods

Requesting repair service

Please write the following items in as much detail as possible and send it with the repair goods.

- (1) Situation of the trouble.
- (2) Equipment used. (type of transmitter, receiver, servo, and esc)
- (3) Vehicle name and installing situation when being installed.
- (4) The type and the number of items that have been sent.
- (5) Return address, name, and telephone number

KONDO KAGAKU CO.,LTD

Service department

TEL : 03-3807-7648 (service)

Hours of operation:9:00-12:00 & 13:00-17:00 M-F except national holidays Saturday and Sunday closed

ADDRESS : 4-17-7 Higashi-Nippori, Arakawa-ku Tokyo Japan 116-0014 Japan

Latest information can be accessed here. >> <http://www.kopropo.co.jp>