

MANUAL INSTRUCTION

PATHFINDER SH-5100P



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SKC SHIN CHANG ELECTRONICS CO.

FCC ID: O28ST-2050F

REPORT #: 184K0.RPT

EXHIBIT #: SA

Manual Instruction Radio control system 5 channel

Thank you very much for your choice of radio control system FM 5 channel of four servos. The modern export technology and the notion of instrument will give all of you great satisfaction.

The instrument has been made with many efforts, so you will have a highly efficient system. if you see the brief, you will be satisfied with the system that you bought, however, please read this guide book very carefully not to make any mistake during the operation.

In case you change or repair each part of this system, we shall not be liable for it, further, repair or replacement voids this warranty that we have admitted.

Please check their functions first before attempting your installation. you and you alone are responsible for the expenses in any case of damage or lose resulting from misuse.

SAFETY INSTRUCTION

Read the following regulations carefully:

Use the transmitter before using the receiver, that is, turn the receiver off first.

Their highest efficiency can displayed only when you follow the proper control method for the components of system and complicated procedures during the operation.

- *FM instrument

- *Receiver rotation of servo rotator

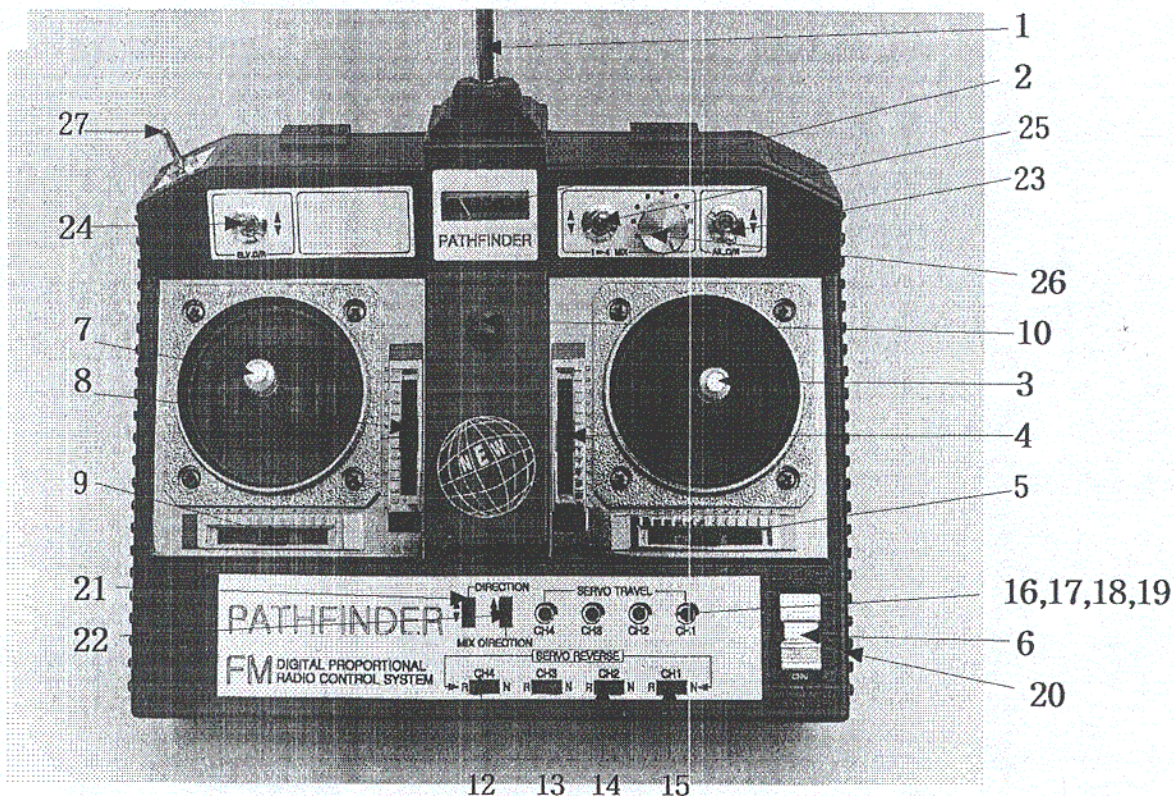
- *Handle suitable for the electric model to operate the instrument.

- *Voltmeter enable to control the charging degree of transmitter storage cell

- *Rechargeable

The instrument with four servos moves by the precision handle through the automatic control. Your transmitter can be powered by dry cell, rechargeable battery or adhesive charging pack.

Transmitter Component



1. Tele-antenna
2. Meter division indicating battery capacity or transmitting storage degree
3. Wings/gas(waste) handle
4. Gas(waste) Trim
5. Wings Trim
6. On/Off switch
7. High & low/Direction Handle
8. High & low Trim
9. Direction Trim
10. The fastened with band shape
- 12.-13-14-15. Servo reverse switch
- 16-17-18-19. Servo Travel vol.
20. Battery Charging jack
21. Direction switch
22. Mix direction switch
23. Wings D/R
24. Gas D/R
25. Wings/Direction MIX
26. Wings/Direction rate vol.
- 27.Channel 5

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INFORMATIONS ON THE TRANSMITTER

The below numbers indicate each part the transmitter

1. Tele-antenna

You must install an antenna fit to the instrument's length for the optimum transfer.

2. Meter Measuring Instrument

The meter measuring instrument located on the body indicates batteries or transmitting charging capacity. Its reading should be blue position. you should, replace cell or recharge batteries when it moves to the white position. failure to follow this warning may result in loss of control.

3-7. Control Handle

* High & low, wings direction's controls are automatic. The control of gas(waste) is made by grooving machine to maintain the proper motor operation. To change the gas(waste) form left side to right side or reverse, you should replace control screw and grooving. To do so, remove the transmitter(back) with driver. Just like in Figure 1, pull the mechanical control screw form handle. After that, put it on the spring of another handle.

The grooving of this handle is composed of screw put of saw tooth. if you want to move from one handle to the other, simply move the part of screw. Refer to Figure 2 in this manual.

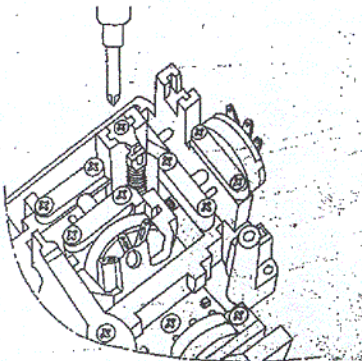


Figure 1

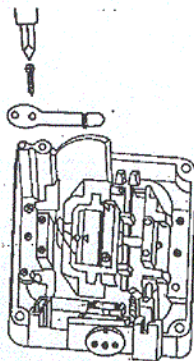


Figure 2

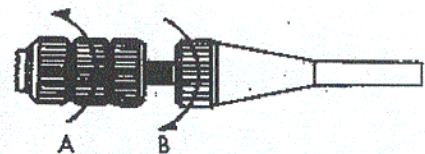


Figure 3

* You can adjust the length of tow handle at your option. Therefore you can adapt the transmitter in all forms.

For it, turn B in order to lengthen or shorten the handle of A part by pulling the A part handle completely to full length.

Be sure by attempting several times. see Figure 3 to control as you want.

4-5-8-9. Trim

Meter measuring instrument which located handle on it exactly makes a minute control of system possible.

On/Off switch

Turn the transmitter on by connecting voltage.

Note: Meter measuring instrument operates when current circulates. Before you change the model, check batteries or charging degree of battery.

Importance: Always turn the transmitter on first, then activate the receiving circuit of models.

10. The fastened with band shape

Hang the band by using ring or clip.

12-13-14-15. Servo reverse switch

Converter activities change the rotation.

16-17-18-19. Servo travel vol.

You can control the angle of servos using each volume as you wish.

20. Battery charging jack

The transmitter can be powered by eight 1.5V dry cell or storage batteries rechargeable with 1.2V 600mA/h. In order to install it, pull cover of transmitter's As in Figure 4 insert batteries into battery holder,

21. Direction switch

You can use tow points of low level at high & low channels.

22. Mix Direction switch

You can choose either right or left direction of servos.

23. Wings D/R

You can reduce 30% of total angles of servo wings using this switch-on.

24. Gas D/R

You can reduce 30% of total angles of servo gas using this switch-on.

25. Wings/Direction Mix switch

You can mix the direction channel when you moving wings stick with this switch-on.

26. Wings/Direction rate vol.

You can control this mixing rate of direction channel using this volume.

INFORMATION ON THE RECEIVER

Capacity of A-Current

It is secured with four 1.5V dry cells or 1.2V 500mA/h rechargeable batteries of 700mA/h. Insert batteries into the receiving battery holder, being sure to observe the proper polarity. surround the battery with a flexible band which encircles around the battery holder. At the same time, you can use rechargeable battery pack 4.8V 500mA/h of 700mA/h attaches to.

B-connection

It is performed on the receiver. Under the circumstance of installation of modification instrument form up to down, connect the power and then connect the body in the method from no. 1 to no. 5 shown as in Figure 5.

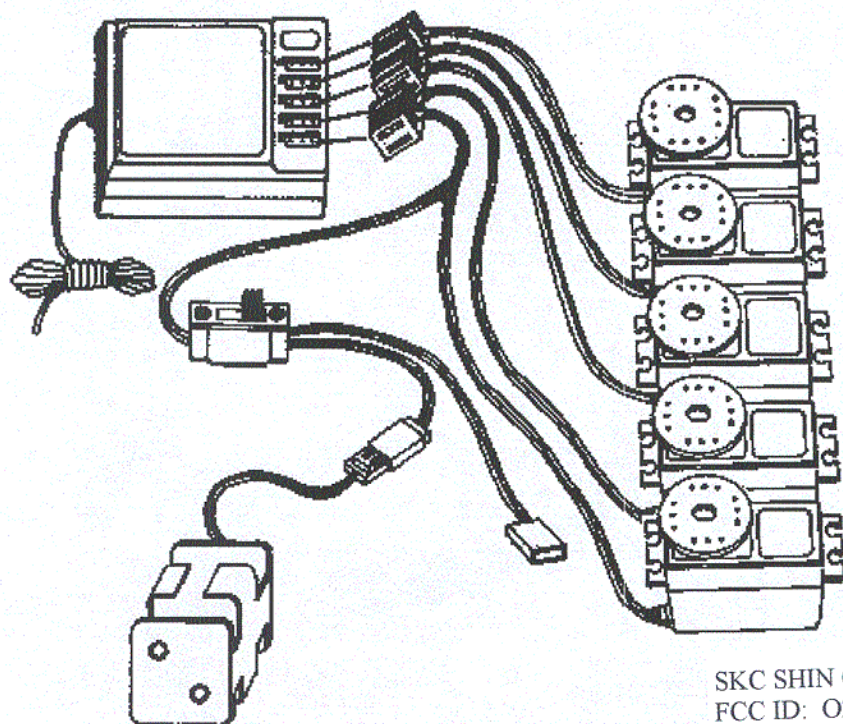


Figure 5

Installation of C-Model Inside

You must protect receiver from impact. Before putting it on the top of battery body, you must pile it up inside waterproof cover to protect it from water.

Your receiver should not be touched with plane or ship directly in any case, because it may not be connected tensely when we connect the power to the body. Also the method to protect the power from impact is same as receiver's case.

D-Antenna

Antenna wire should be fastened straightly and be kept away from electric motor, body, metal stick and electric corporation as far possible. In case of flying model, you should keep away from its fuselage and for the shipping model, also away antenna and receiver from motor, electric corporation and metal. In case of car use an antenna case.

SAFETY INSTRUCTION

Operate the radio controlled models following the below instructions to prevent all property damage, and also consider environment around you.

- * Avoid using streets-both of foot-way & carriageway-for running your R/C model because it can cause serious traffic accident.

- * To take precautions against all of property damage or loss, avoid the narrow space or place where crowded with peoples.

- * Consider environment. Avoid the place you should not make noise.

- * Keep out of hot sun and fire when in operation because it may result in serious personal injury.

- * It can cause serious personal injury or property damage in a crash with another things, therefore operate the model in the place without any obstacle.

Never operate your model until you are certain that no one else in the vicinity is operating on same frequency for car, flight and ship models it may cause you to loss control of your model, thereby possibly causing serious accident to yourself or to the other persons.

- * Always turn the transmitter on before using the receiver. And also cut the receiver off before turning the transmitter off all the time.

Model's contents subject to change without previous notice in connection with technical characteristic.

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