

TOPCARE



PPM/FM Radio Control System **Introduction Manual**

- Thank you for purchasing our 'TOPCARE' R/C system.
- Before using, read this manual carefully.

Guangzhou Chiyuan Electronic Co., Ltd

Add: 2/F., No. 1 Bldg., Boyi Industrial Garden, 4th Gongye Rd.
Zhicun, Dashi Street, Panyu Dis., Guangzhou, China
P.C.:511430

Tel: +86-20-34796226;34797226

Fax: +86-20-34796116

Website: www.chiyuan.net

E-mail: gzchiyuan@126.com



RADIO CONTROL SYSTEM N-4Q R/C

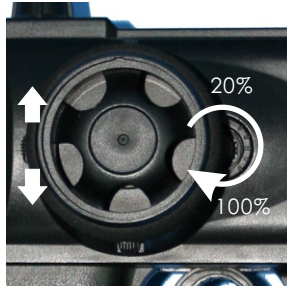
CE FC

4.D/R Knob(20%~100%)

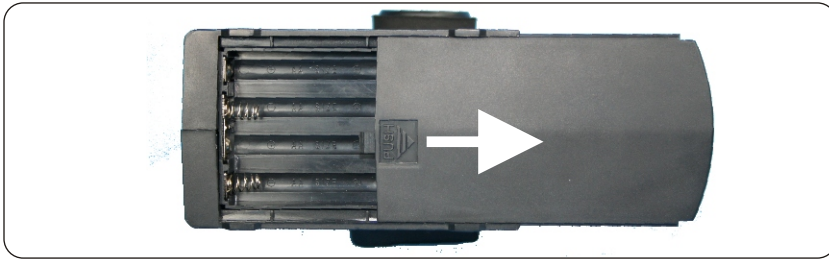
Clockwise, steering servo travel will be increased.
Anticlockwise, steering servo travel will be decreased.

5.ST.&TH. Trim Adj.

Push "ST.&TH. Trim Adj." button up or down, Steering Trim&Throtter Trim in the middle.



3.1 Handling Procedure For Batteries



Battery Replacement

- 1.Remove the battery cover from the transmitter by sliding it in the direction of the arrow .
2. Remove the used batteries.
- 3.Load the new AA size batteries. Pay very close attention to the polarity marking and reinsert accordingly.
- 4 .Slide the battery cover back onto the case.

Caution

Always be sure your reinsert the batteries in the correct polarity order. If the batteries are loaded incorrectly, the transmitter may be damaged.
When the transmitter is not used , always remember to remove the batteries. If the batteries do happen to leak, clean the batteries case and contacts thoroughly. Make sure the contacts are free of corrosion.


Battery Disposal

Some countries require special handling of used of batteries ,please contact the agencies responsible for recycling hazardous wastes in your local area.

Battery low voltage alarm indicator.

Caution	1
1.1 N-4Q(LCD) Transmitter Chart(2CH)	2
1.2 N-4Q(LCD)Transmitter Chart(3ch)	3
1.2 Menu	4
1.3 Trim	5
2.1 N-4Q (LED)Transmitter Chart(2CH)	6
2.2 N-4Q (LED) menu	6
3.1 Handling Procedure For Batteries	7
4.1 Connection between Receiver and Servos	8
Technology Data	8

1.4 Trim

 Please start the motor or the engine while marking the adjustment of these settings.

1. Connect the receiver, servos, and other components and then turn on the power switches to transmitter and receiver.
2. Be sure the Steering trim and Throttle trim on the transmitter are at their neutral position.
3. When turning on the transmitter, please make sure the transmitter antenna is completely extended. Turn on the transmitter before turning on the receiver, while turn off the receiver before turning off the transmitter.



Steering Trim

Steering neutral adjustments can be made by moving the steering trim knob to the left or the right.

 Racers Tip

Always check and be sure the servo is at its neutral position before installing a servo. Adjust the servo horn hole position and linkage so both are parallel. When a servo saver is used place it as closer to center position as possible. Be sure the steering trim on the transmitter at the neutral position.

 Trim Operation And Maximum Trav.


Changing the trim can effect the overall settings, when adjustments are made with the trims, please recheck your installation for maximum servo travel. (Steering EPA right side and left side).

 When Trim movement goes to extremes


That means if you make a lot of trim movement to get a servo to the neutral position, please reposition the servo horn or servo saver on the servo and inspect your linkage installation.

Throttle Trim

Throttle neutral adjustments can be made by moving the throttle trim to the left or the right.

 Racers Tip

When using an electronic speed control, please set the throttle trim to neutral and make adjustments to the speed control. On a gas powered model, set the trim to neutral and adjust the linkage to the point where carburetor is fully closed in accordance with the engine instruction manual.

 Trim Operation and Travel



Trim adjustments will effect the overall servo travel, so please check the (back-ward) movement after the adjustment

 When trim movement is goes to extremes

That means if you make a lot of the trim movement to get the servo to the neutral position, please recenter the servo horn closer to the neutral position and inspect your throttle linkage.

1.1 N-4Q(LCD) Transmitter Chart(2CH)



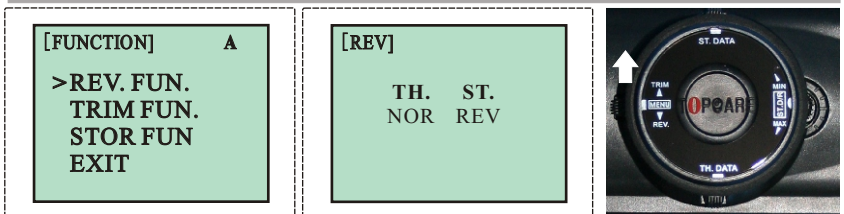
-  When the voltage is lower than 8.6V, the voltmeter will flash with low voltage alarming.
-  ST. D/R Knob(20%~100%)
Clockwise, steering servo travel will be increased.

3CH

1.2 N-4Q(LCD)Transmitter Chart(3CH)

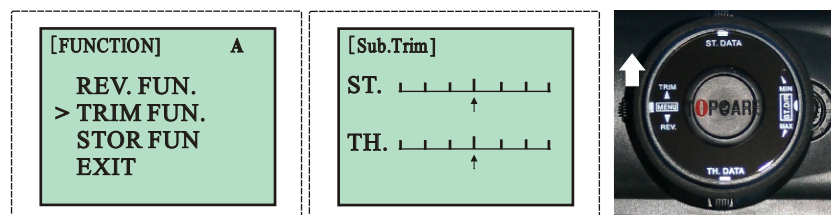


1.3 Menu



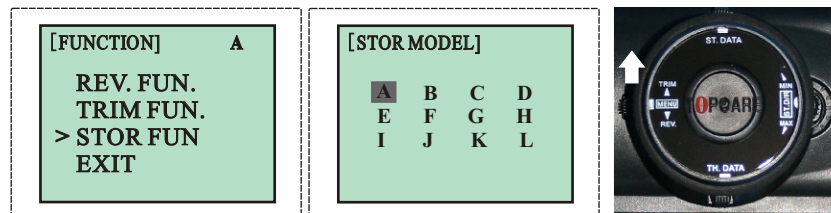
- Push "MENU" button down to access "FUNCTION".
- Push "MENU" button up to access "REV".
- Push "ST. DATA" button right, "ST" channel reversed.
- Push "TH. DATA" button right, "TH" channel reversed.
- Pushing "MENU" button down to exit and "REV" will be saved simultaneously.

2. SUB TRIM



- Push "MENU" button down to access "FUNCTION".
- Push "MENU" button up to access "SUB. TRIM".
- Push "ST. DATA" button left or right, the "ST." arrow in LCD will move accordingly. The "ST." arrow will keep moving if the button is pushed continuously.
- Push "TH. DATA" button left or right, the "TH." arrow in LCD will move accordingly. The "TH." arrow will keep moving if the button is pushed continuously.
- Push "MENU" button up to exit and "SUB TRIM" will be saved simultaneously.

3. STOR MODEL



- Push "MENU" button down to access "FUNCTION".
- Push "MENU" button up to access "STOR FUN".
- Push "TH. DATA" button right or left, select mode memory.
- Pushing "MENU" button up to exit and "STOR FUN" will be saved simultaneously.

Caution

- ✎ To work your R/C with your models correctly and safely, read this manual carefully and keep it in a safe way as a reference introduction in the future.
- ✎ Warning:
 1. This product is only equipped for radio controlled models;
 2. The usage of this product should be approved by local relevant law or regulations;
 3. We will be not responsible for the damages caused by unauthorized modification, adjustment or replacement of parts of this product;
 4. The manual may be altered without prior notice. Please contact us if you have any corrections or clarifications that should be made in the manual.
- ✎ Because of disturbance, do not work your radio control system simultaneously with others at the same frequency.
- ✎ Before starting the transmitter, make sure the transmitter batteries are well loaded. The voltage of transmitter batteries never be lower than 8.6V. And please check and confirm that the servos are all well and properly connected.
- ✎ Please take off batteries from transmitter after flying and during the transportation.
- ✎ Please check and have a test on control surfaces to confirm the transmitter handling of each part prior to each takeoff. The frequencies of the module and the receiver should be the same.
- ✎ Keep the radio system away from moist, high temperature and strong shake. Do not clean the product with solvent.
- ✎ Do not fly your models near airfields, schools, hospitals, residences, power transmission network, communication facilities and other places that are forbidden for starting the transmitter. Please stop flying your models with the radio on rainy or windy days, or at night.
- ✎ Do not fly the models when you are tired, sick, intoxicated, or not in good spirit.
- ✎ The antenna do not touch anything else when power switch is turned on. Do not leave this product and its accessories within the reach of small children.
- ✎ Please use this product according to your local relevant law or regulation, we are not responsible for any incidents or damages.

2CH

2.1 N-4Q (LED) Transmitter Chart(2CH)



2.2 N-4Q (LED) menu



1.Power

When turn on power, the power light will be red. When the voltage is lower than 8.6V, the power light will be twinkling with audible alarm. Please use new batteries.

2.Reverse

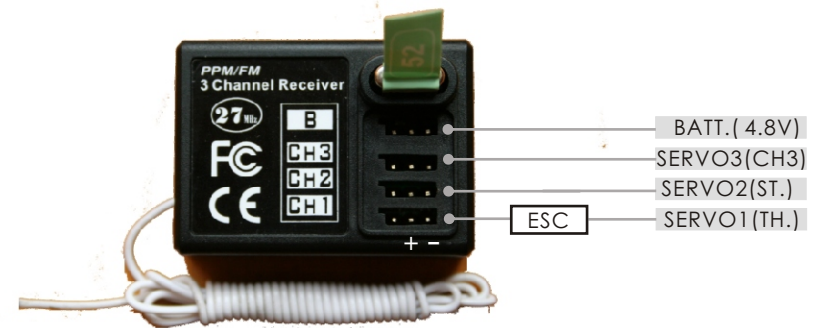
Reverse switch is down, channels are in reversed mode.
Reverse switch is up, channels are normal.

3.Trim

The green light will be twinkling when "ST." or "TH." Trim is moved left or right. If the green light do NOT be twinkling when "ST." or "TH." Trim is moved left or right, the trim travel is beyond its scope. (the travel scope is 5° approximately)

4.1 Connection between Receiver and Servos

- The receiver and the servos must be properly connected for your models. The “CH3” channel is useless for 2ch trigger transmitter.
- If ESC in the model can support power, connect it with “CH1” channel directly.



Technology Data

	2-CH R/C	2-CH R/C	3-CH R/C
Type:	N-4Q	N-4Q	N-4Q
Specification:	LCD	LED	LCD
Code format:	PPM/FM	PPM/FM	PPM/FM
Channels:	2	2	3
Frequency:	27/40/72/75M (One type of them)	27/40/72/75M (One type of them)	27/40/72/75M (One type of them)
DC:	9.6V, ≤200mA	9.6V, ≤200mA	9.6V, ≤200mA
Measurement:	295*204*105mm (packing meas.)	295*204*105mm (packing meas.)	295*204*105mm (Packing meas.)
Net weight:	530g	530g	530g