TG-04C

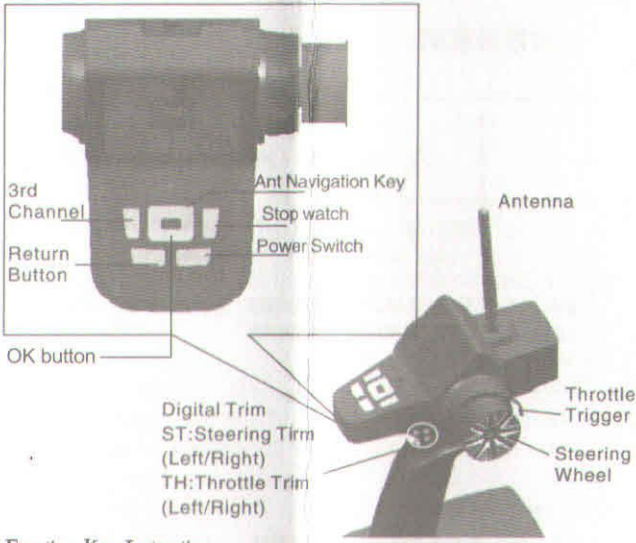
2.4GHz Digital Proportional

Transmitter

ERC

ELECTRIC RADIO CONTROL

- 3-channel 2.4GHz Digital RC System
- Ultra Speed Response System(USRS)
- Whole intelligent technical with high precision
- Two standard language selection (English and Chinese)
- 2.4 inch TFT color LCD (DPI 1024,256)
- Advanced ABS Braking System
- Individually set ESC for RC Car or Boat
- End Point Adjustment (EPA Steering and Throttle)
- Stopwatch Function
- Swap Left and Right
- Real-time dynamic screen



Function Key Instruction:

(1)Power switch: Press 3 seconds to start. Press 3 seconds to shut down
(2)Return button: After function regulator press this button to return
(3)Sw2 button: The signal switch of the third channel
(4)Stopwatch: press the first time to count the time. Press second time to canel
(5)Navigation button: up/down/left/right button is the selection button. The middle button is the confirm button. (On the initial interface, you can press left/right button to adjust steering servo angle, and press up/down button to adjust throttle)
(6)Steering Wheel: Turn left and right
(7)Throttle Trigger: Forward ,acceleration,Backward
(8)Digital Trim
ST: steering trim(left/right)
When the car skews to the right/left, adjust the left/right steering trim button until the car moves in a straight line
TH: throttle trim(left/right)
Press left/right throttle trim button to adjust the neutral position of forward and backward
(9)ok button: When you are at the initial interface, press this button to entre the main menu. Press Navigation button to selection functions. Use the ok button to entre and navigation to adjust

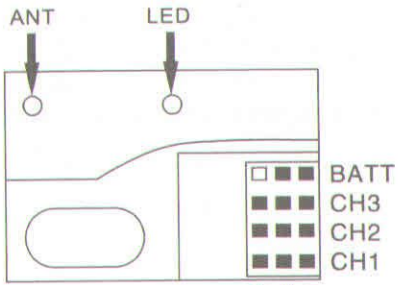
Transmitter and car/receiver binding Instruction:

1) Switch the power of transmitter, press return button for 3 seconds. You will see a flashing red point at the centre of display. It means the transmitter is getting into binding
2) Switch the power of car(Noted: when you switch the power of the car,the steering organization moves to left and right. In order to confirm the steering organization is in the middle). The indicator light is flashing, the car is getting into binding. When the car receives signal from transmitter, the indicator light is steady. And the red point at the centre of display has stopped flashing. The binding for the car and transmitter is finished
3) For a brand new car, the factory has completed to binding car and transmitter. When you open the switch, the car automatically searches signal. If the car can not find out the signal, it means the interference is very strong. Please re-bind or change the place to drive the car.

Change the place or wait a minute to try again

Tx & rx connection method:

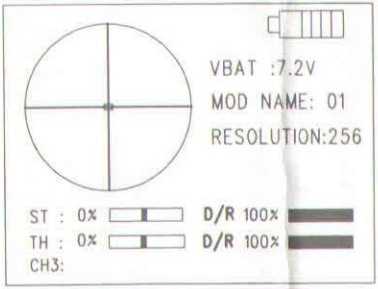
Receiver icon:



Remark:

ANT: Receiver's antenna; LED: indicate light; S: output of receiver; "+" Power positive; "- " Power negative; "CHI"Steering channel "CH2" :throttle channel, "CH3"-3rd channel,"BATT" input of power

Initialization Interface Introductions



1.Battery voltage: 3.6V-6.0V, if the transmitter battery voltage drops to 3.6V or less, the screen will flicker," LOW BATTERY" will be displayed on the screen, and then automatically shut down.

2. Model Name: 10-model memory name set/modify username set/modify

3. Resolution: 256 and 1024, two signal output resolutions can be chose, the initial value is 256

4. ST (steering progress bar): It will change along with the steering servo angle. The initial value is 0%, ± 100% can be adjusted.

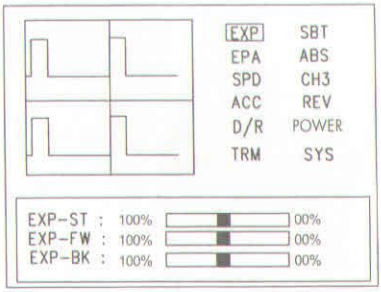
5. TH (throttle progress bar): It will change along with the throttle servo angle. The initial value is 0%, ± 100% can be adjusted.

6. D/R (Steering angle progress bar): It shows the currently steering angle size, the initial value is 100%, can be adjusted to 0%. When you setup to 0%, there will be no steering action.

7. D/R (Throttle angle progress bar): It shows the currently throttle angle size, the initial value is 100%, can be adjusted to 0%. When you setup to 0%, there will be no throttle action.

8.CH3: 3rd channel. ON: switch. OFF: shut down

EXP Set:



This function is used to change the sensitivity of steering and throttle angle around the neutral position, make it fast or slow action

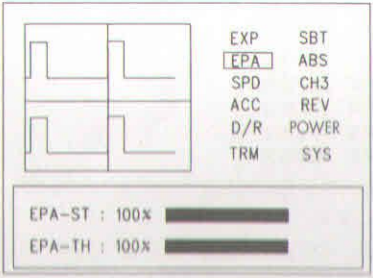
1.EXP-ST: (Steering curve adjustment) Press confirm button to enter the menu, press left or right key to adjust. Initial value: 0%. 0% -100% can be adjusted

2.EXP-FW:(Fordward curve adjustment: press up/down to entre, press left or right key to adjust. Initial value: 0%. 0% -100% can be adjusted

3.EXP-BK:(Backward curve adjustment: press up/down to entre, press left or right key to adjust. Initial value: 0%. 0% -100% can be adjusted

4.When ending adjustment, return to the initial screen by pressing the return button

EPA: End point adjustment



EPA: End point adjustment

Use this when performing left and right end point adjustments, throttle high side/

Brake side operation amount adjustment.

Press confirm button to enter, use the up/down button to select, use the left /right button to adjust. Press return button to exit.

Initial value is 100%, 100% to 0% can be set.

EPA-ST: Steering (EPA) adjustment:

Steering (left side) adjustment : Turn the steering wheel fully to the left and use the left or right button to adjust the steering angle

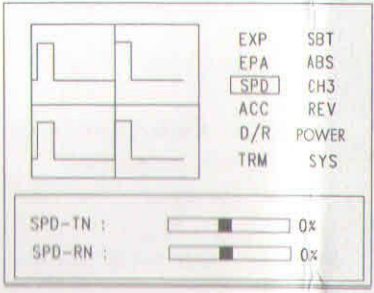
Steering (right side) adjustment: Turn the steering wheel fully to the right and use the left or right button to adjust the steering angle

EPA-TH: Throttle (EPA) adjustment

Throttle (forward side) adjustment: Pull the throttle trigger fully to the high side and use the left or right buttons to adjust the throttle angle.

Throttle (brake side/reverse side) adjustment: Move the throttle trigger fully to the brake side and use the left or right buttons to adjust the throttle angle.

SPD (Steering Speed)



SPD (Steering Speed)

Quick steering operation will cause momentary under steering, loss of speed, or spinning.

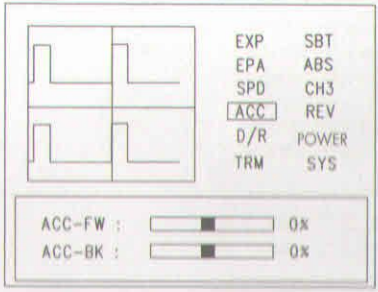
This function is effective in such cases.

Press confirm button to enter, press up/down button to select, press left /right button to adjust, press return button to exit.

SPD-TN: Turn Direction, Adjustment Range: 0~100%

SPD-RN: Return Direction, Adjustment range: 0~100%

ACC: throttle acceleration



The servo will jump to the input position at its maximum possible speed. Unlike exponential,

This adjusts the whole throttle movement into a curve, throttle acceleration

Simply "jumps" away from neutral and then leaves the remaining response linear.

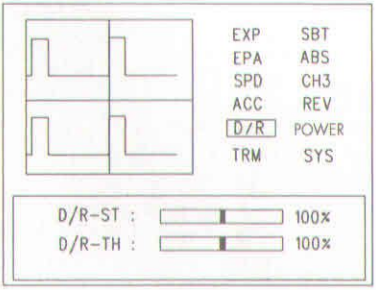
Press confirm button to enter, use up/down button to select, use left or right button to adjust, press return button to exit.

Initial value: 0 Adjustment range: 0~100

ACC-FW: Forward side acceleration amount;

ACC-BK: Brake side acceleration amount

D/R



D/R value: 0 ~ 100% Initial value: 100%

Press confirm button to enter, press up/down button to select, press left or right to adjust, press return button to exit.

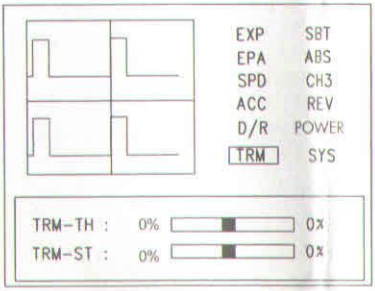
D/R-ST steering dual rate

The steering servo left and right steering angles are adjusted simultaneously.

D/R-TH

The throttle servo angles are adjusted.

Steering/Throttle:



Steering/Throttle: Neutral function adjustment

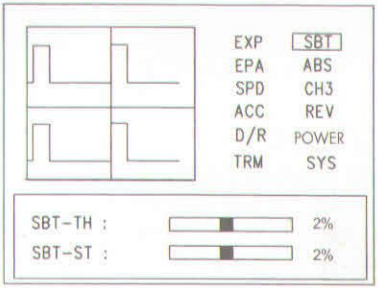
Press confirm button to enter, press up/down button to select, press left or right to adjust, press return button to exit.

Initial value 0%, 0% to 100% can be set.

TRM-TH: Throttle Neutral function, forward or backward neutral adjustment.

TRM-ST: Steering Neutral function, forward or backward neutral adjustment.

SBT: Subtrim



SBT: Subtrim

Use this function to adjust the neutral position of the steering and throttle.

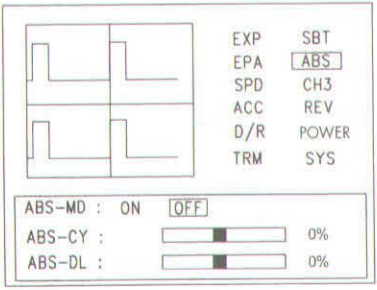
Press confirm button to enter, press up/down button to select, press left or right to adjust, press return button to exit.

Initial value: 2%, 0% to 100% can be set

SBT-TH: Sub trim the neutral position of throttle

SBT-ST: Sub trim the neutral position of steering

ABS Function:



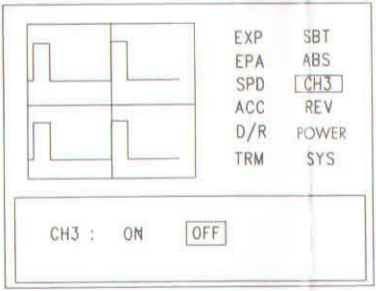
1.press confirm button to enter, press up/down button to select, press left or right to adjust, press return button to exit.

2. ABS-MD: Use ON /OFF button to open or close this function.

3. ABS-CY: Set the brake cycle.

4. ABS-DL: Sets the delay from brake operation to ABS operation.

Ch3: channel 3 position

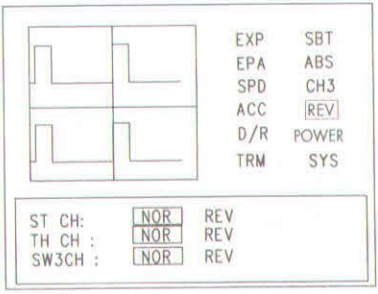


Use this function to set the servo position of the channel 3.

1.press confirm button to enter, press up/down button select, press left or right to select, press return button to exit.

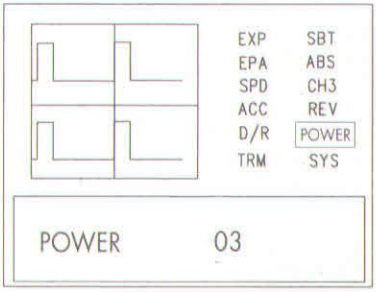
2. CH3 Set: use ON/OFF button to open or close the channel3 function.

REV: Servo Reverse



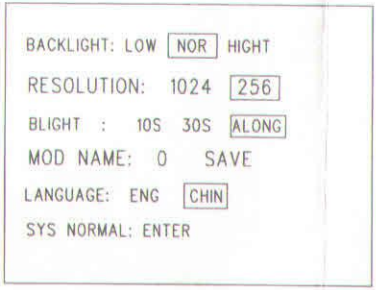
1. Press confirm button to enter, press up/down button to select, press left or right to adjust, press return button to exit.
NOR: normal side REV: reverse side Initial value: NOR
2. REV-ST: Select "REV" to reverse the steering operation direction.
3. REV-TH: Select "REV" to reverse the throttle operation direction.
4. REV-CH3: Select "REV" to reverse the channel 3 operation direction.

POWER



The range of Transmitter Power: 1-5 can be adjusted

SYS:



System Function setup
Press confirm button to enter, press up/down button to select, press left or right button to adjust, press return button to exit.
1.BACKLIGHT: Ptess "left" / "right" button to choose "LOW, NORMAL and HIGHT" , Normally is "NOR" .
2. RESOLUTION: 1024 and 256, two signal output resolutions can be chose, the initial value is 256
3.BLIGHT: Press "left" / "right" button to choose 10seconds, 30seconds and along time. Normally is "ALONG"
4.MOD NAME: The TG04C transmitter can store the model data for ten R/C cars. Use this function to call a new model number, or to change a set model number, to set new
Model(0-9 model can be set), Initial value is "00"
1) Model name storage method: After finishing the currently data, enter to "SYS" , select "MOD NAME" , press right button To enter, press up/down button to select model, and then choose "save" .1-9 model name setup method is same as above
2)How to call others model name data: enter the "SYS" , select "Mod Name" , press right button to enter, press up /down button to choose model car, press the return button to exit. And then press confirm button to enter, the currently data is for the selected model car.
5. LANGUAGE: press left or right button to select English or Chinese, the default language is English,
6. System NORMAL: press right button to select ENTER, all the transmitter setting data will recover to the default.

Technical Data:

A. TX module:

1) RF Range: 2.400-2.4835GHz ISM BAND
2) Code Type: FSK
3) RF Power: less than 20 Dbm
4) TX Current: 150mA typical
5) Modulation signal: 1-3CH, standard PPM pulse width control signal
6) Working Voltage: DC 3.6V-6.0V
7) Automatic selects and change frequency (frequency hopping) after turning on the TX

B. RX module:

1) Frequency Band: 2.400-2.4835GHz ISM BAND
2) Working Voltage: DC 3.6V-6.0V
3) RX Current: 30mA typical
4) RX Sensitivity:-110dBm typical
5) Demodulate Output signal: standard 1-3CH, signal pulse width1.0-2.0ms
6) LED Indicator light for RX Sensitivity and frequency bind
7) Control Distance: More than 100M on the opening ground.