

# BER

## PROFESSIONAL RADIO CONTROLLER FOR CARS AND BOATS

### Instruction Manual <BER-TRV2>

\*Thank you for purchasing BER radio control products.  
\*Before using, please read this manual carefully.



## SAFETY GUIDE:

To work with your models correctly and safely, This product is only equipped for radio controlled models.

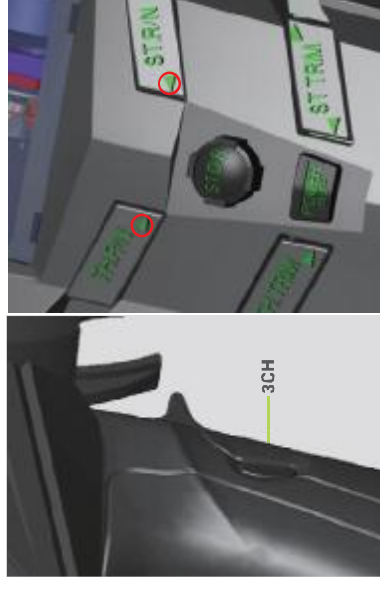
1. The usage of this product should be approved by local law and relevant regulations.
2. We will not be responsible for the damage caused by unauthorized modification, adjustment and replacement of parts of this product.
3. First turn on the transmitter make sure the batteries are well loaded. The voltage of TR batteries is never low than 4.4V. Then please check and confirm that the servos are all well and proper connected. Finally the receiver connect the full power.
4. Keeping the radio away from moist, high temperature, and strong interference place. Please do not clean the radio with solvent. Do not strong shake.
5. The antenna (silver part) does not touch anything or be bent when radio working. Otherwise will inference the control range or lead the radio out of control.
6. Please do not play in night, bad weather such as rainy day or thundering days. Do not play beside high-voltage wire. Do not play near high power radio transmitting station etc. It will strong interfere the transmitter signal and lead unexpected accident.
7. Before playing, please making sure the movement of servo correspond with you used to.
8. Before starting, please making sure the TH and TH. TRIM in the lowest position or TH. TRIM in the neutral position.
9. The sequence to end playing, Turning off the receiver first, then turn off the transmitter (TR) power and take out batteries. If operation is opposite, leading uncontrolled and accident.
10. If the operators do not comply with safety guides instruction, may lead to serious injuries to yourself or others.
11. The manual may be altered without prior notice to. Please contact us if you have any corrections or clarification that should be made in this instruction.
12. Low-battery Warning, when battery voltage under 4.4V, The TR flashing LED blue light with buzzer sound "B B B ~ ~ ~" lets you know it's time for new batteries

BER-TRV1 WITH HIGH-SPEED PROCESSING CHIP AND STRONG RADIO FREQUENCY CHIP CAN MAKE THE RADIO PERFORMANCE REMARKABLE.

## QUICK OPERATOR GUIDE:

### BINDING PROCESS: (English)

Transmitter (TR) with batteries and keep 3CH button switch on, the TR led blue light flashing and buzzer sound "B-B-B...". It is in matching status. Then receiver (RX) connect power, the RX led green light slow flash, Putting RX close TR and keep RX BIND button till led green light quick flash several times then slow flash, it shows binding successful. And turn off TR power and switch on TR again, RX led light green become solid, it's in working status.



### SERVO DIRECTION:

Keeping the "TH, R/N" or "ST, R/N" button arrow mark 2 seconds and meanwhile buzzer sound "B". It means that has reversed the direction of TH or ST servo.

### Lier le récepteur: (Français)

Mettre la pile dans l'émetteur, appuyer sur la touche (3CH) pour démarrer, le LED bleu sur l'émetteur clignote. Le buzzer sonne « B-B-B », cela signifie que l'état est lié. Brancher le récepteur, le LED vert du récepteur clignote lentement. Approcher le récepteur à l'émetteur, appuyer sur la touche BIND pendant deux secondes, le LED vert du récepteur clignote vite, puis lentement, cela signifie la liaison réalisée. Éteindre l'émetteur, puis le démarer. Le LED vert du récepteur est allumé fixe, entre dans le mode de travail.

### la direction opposée de l'appareil de la barre :

Appuyer sur la partie flèche de la touche "TH, R/N" ou "ST, R/N" pendant deux secondes, en même temps, le buzzer sonne un « B », l'appareil de la barre tourne vers la direction opposée.

## BER Digital proportional radio control FHSS system

### Den Empfänger binden: (Deutsch)

Installieren Sie die Batterie auf den Sender, drücken Sie (3CH)-Taste und starten die Maschine, dann die blaue LED auf dem Sender blinkt. Der Summer klingt „B-B-B“, das bedeutet, dass der Empfänger in die gebundene Situation geht. Dann wird der Empfänger eingeschaltet, die grüne LED auf dem Empfänger blinkt langsam. Halten Sie den Empfänger in der Nähe des Senders und drücken die BIND-Taste zwei Sekunden, dann wird die grüne LED auf dem Empfänger schnell blinkt und nach einer Welle langsam. Das signalisiert, dass dem Binden gelingt. Dann schalten Sie den Sender aus und starten wieder. An diesem Punkt wird die grüne LED auf dem Empfänger dauernd blinkt, dann geht der Empfänger in den Arbeitsmodus.

### Revers des Lenkbetriebes:

Drücken Sie den Pfeil der Taste „TH, R / N“ oder „ST, R / N“ für zwei Sekunden, gleichzeitig wird der Summer „B“ klingen und sich der Lenkbetrieb in entgegengesetzte Richtung drehen.

### 綁定接收機:(繁体)

發射機裝電池，按住(3CH)按鍵開機，此時發射機上的LED 藍燈閃爍，蜂鳴器發出“B-B-B”叫聲，表示進入綁定狀態。再接收機通電，接收機上的LED綠燈慢閃。接收機靠近發射機按住BIND按鍵2秒，此時接收機LED綠燈變成快閃幾下，過後又慢閃，說明綁定成功。關閉發射機再開機。此時接收機LED綠燈常亮，進入工作模式。

### 舵機反向：

按住“TH, R/N”或者“ST, R/N”按鍵的箭頭處2秒，同時蜂鳴器會“滴”一聲，舵機轉向變成反方向。

### 受信機の設定: (日本語)

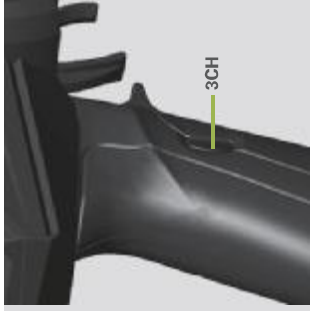
電池を送信機に入れて、あと“3CH”ボタンを押して、その上の青いLEDランプが点滅して、プザーが“B-B.” 鳴き声を出す、設定状態に入る。また受信機を通电して受信機上の緑LEDランプは遅く閃く。受信機は送信機の近くに“BIND”ボタンを2秒押して、この時受信機の緑LEDランプがフラッシュ、後またゆっくり閃く、設定が成功した。送信機を再起動して、この時の受信機の緑LEDランプが常亮して、作業パターンに入る。

### サーボが逆：

“TH,R/N”や“ST,R/N”矢印ボタンを2秒押し、同時にプザーが“B” 鳴き声を出す、サーボステアリングが逆方向になる。

## PROVIDING QUALITY PRODUCTS, QUALITY SERVICES.

### AUX CHANNEL ( 3CH )



Press 3CH button one time the 3ch servo moving 90°. Pressing again, return back.

NOTE: When hold "3CH" with on radio, it's in binding process. 3CH is a BIND button. Not 3CH at this time.

### STEERING DUAL RATES ADJUSTMENT (ST.D/R)



Adjusting the dual rate of steering by adjusting ST.D/R knob, the picture showing

### FAIL SAFE SETUP (S/F)

This function is to protect your models when signal weak or lost. F/S will automatic put TH in lowest position or in settled place.

1. The F/S is settled in receiver and setting data will be saved.
2. To electronic power models, the F/S has been settled in RX.
3. To gas power model, Putting trigger in brake position, keeping F/S button till led green light quick flash several times then go solid, releasing F/S button, this F/S function settled successfully.
4. Rebinding the receiver, need resetting the F/S function.

**Caution:** For your safety, when has settled F/S function. Before playing, checking F/S function work is very necessary !

### TH,TRIM AND ST,TRIM ADJUSTMENT



"TH,TRIM" and "ST,TRIM" Each have two push buttons. Each have two push buttons "BBB>>>>>>B<<<<<<BBB" Big sound B in neutral position

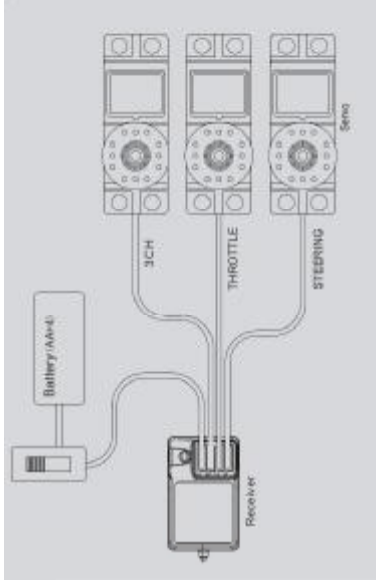
**Caution:** TR rebinding RX can not change the "TH" or "ST" trim position that you previously have been settled. Switching on TR first make sure "TH, TRIM" in lowest position.

### HANDING FOR BATTERY

1. Making sure install the batteries are in correct polarity order.
2. Using AA\*4 dry batteries or Ni-MH\*4 batteries.
3. We test use 2S Li-Po(7.4V) battery work but not guarantee, nor responsible for any damaged or injured if you insist on DIY do

**Caution:** Before installing batteries, checking the correct polarity loaded and right connection is very necessary.

### RECEIVER(RX) CONNECTION DIAGRAM



### TECHNOLOGY PARAMETER

TR TYPE : BER-TRV/2

Frequency: 2.4GHz

Use DC: (4.0V-8.6V); ≤ 110mA

N.W.: 320g

Sensitivity: 1024

Modulation : 2-FSK ; Frequency Signal : FHS

Specifications: One Set (200\*165\*105mm)

One Carton (515\*420\*335mm) 18SET ; G.W.: 10KG

This device complies with part 15 to the FCC rule. 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. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.