



HB-2.4G

HoBao Racing FHSS 2.4Ghz radio system

HB-2.4G : Transmitter / Receiver Set

HB-2.4R : Receiver only



Safety Precautions:

This radio system is specifically designed for professional radio controlled models. To ensure your safety, please follow these guidelines carefully.

1. Always follow local law regulations of operating radio controlled models.
2. Please always turn on the transmitter first followed by the receiver. When finished, please turn off the receiver first, then the transmitter.
3. Please do not attempt to modify this product. We will not be responsible for the damages accrued from such modification.
4. Please make sure the batteries in the transmitter / receiver are fresh and still have plenty of power and the servos are well connected to the receiver.
5. Please keep the radio system away from moist, heat, fire, and electronic interference at all times.
6. Connect steering servo to channel 1 and throttle servo to channel 2 on the receiver. Ch3 is for the forward/reverse servo.
7. Please always make adjustments while the vehicle is standing still. Do not attempt to make adjustments while vehicle is in motion.
8. Built-in low voltage warning will activate when the battery is below 4.4V. The LED light will flash Blue along with beeping sound.
9. The EPA adjustment does have impact on the lifespan of your servos. When set at full 100%, servos will wear out faster and more likely to break during impact.
10. HoBao Racing will not be liable and/or responsible for any and all damages caused by the operation of this radio controlled model.

Quick Operation Guide:

Transmitter / Receiver Binding:

Step 1: Turn on the transmitter while keeping the receive power off. Hold the 3CH button located by the hand grip until you hear beeping sound and transmitter LED light flashes blue. The transmitter is now in matching mode.

Step 2: Turn on the receiver, the LED light on the receiver should slowly flash in green. Now put the transmitter next to the receiver and press the bind button on the receiver until you see LED light flashing rapidly then slows down.

Step 3: Turn off the transmitter and turn it back-on again. The LED light on the receiver should become solid green. The binding process is now completed.

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Bind button



Servo direction:

To reverse the servo direction, please press and hold the arrows on the TH R/N or ST R/N button for a few seconds until you hear beeping sound.

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 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 clignotent vite, puis lentement, cela signifie la liaison réalisée. Eteindre l' émetteur, puis le démarrer. 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.



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 glückt. 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。

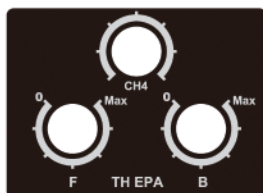
End Point Adjustment (EPA)

· F stands for the Forward

· B stands for Brake.

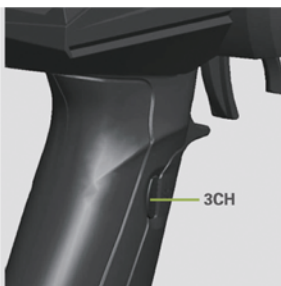
· 4th Channel (4CH)

This is for airplane applications only.



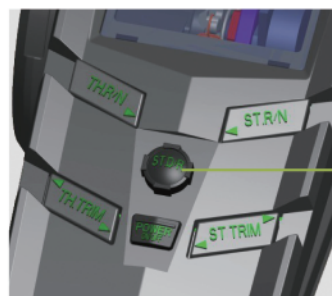
Adjust the F / B knob from zero to max depending on the application. The EPA determines how much the servo travels in each direction. The EPA adjustment does have impact on the lifespan of your servos. When set at full 100%, servos will turn at its full potential but will also wear out faster and more likely to break during impact.

3rd Channel (3CH)



Press the 3ch one time to activate it and press it again to return the servo back to neutral position.

Steering dual rate adjustment (ST D/R)



The steering dual rate is adjustable via the ST. D/R knob as shown in the photo.

FailSafe Setup (F/S)

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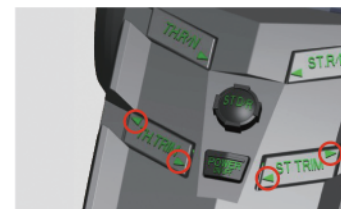
F/S button

The failsafe feature is designed to protect your vehicle from run-aways when the transmitter signal is disconnected from the receiver due to low battery voltage or regional electronic interference. When that happens, failsafe will activate and engage the throttle to brake/neutral or return to its pre-set location.

Electric model: The failsafe is already preset out of box.

Nitro model: Pull the throttle trigger in full brake position then hold the F/S button on the receiver until the LED light flashes green. Once the LED light becomes solid, the F/S is setup successfully. * You must reset the failsafe each time transmitter/receiver go through binding process.

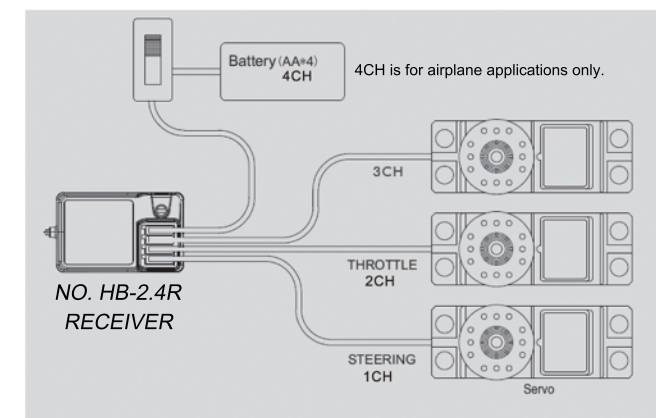
TH Trim / ST Trim adjustments



HB-2.4G has digital TH / ST trim adjustments. Simply push the buttons as show on the picture to increase or decrease the setting. When servo reaches the neutral position, you will hear a long/crisp beeping sound.

* Rebinding radio system will not change the TH/ST Trim setting.

RECEIVER (RX) CONNECTION DIAGRAM



TECHNOLOGY PARAMETER

TR TYPE : HB-2.4G
Channel : 3 CH / 4CH
Frequency : 2.4GHz
Use DC : (4.4V-8.6V); ≤ 110mA
N.W. : 320g

RX TYPE : HB-2.4R
Channel : 3 CH / 4CH
Frequency : 2.4GHz
DC : (4.4V- 8.6V); ≤ 20mA
N.W. : 8g

R/F Power : <20dBm ; Sensitivity : 1024
Modulation : 2-FSK ; Frequency Signal : FHSS
Specifications : One Set (200*165*105mm)

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