

R4F

(FHSS)



INSTRUCTION MANUAL

Thanks for purchasing RadioLink 4-channel receiver R4F.

To fully enjoy the benefits of this product and ensure safety, please read the introduction carefully and set up the device as instructed steps.

If any problems found during the operation process, please kindly refer to the manual first. Then you could contact our distributors to find solution or follow our Facebook homepage

<https://www.facebook.com/radiolinkofficial> to search related key words. Also you can send your questions to after_service@radiolink.com.cn or after_service1@radiolink.com.cn and we will answer your question at the earliest.

Due to unforeseen changes in production procedures, the information contained in this manual is subject to change without notice.

For more information please check our website <http://www.radiolink.com> and follow our Facebook and YouTube homepage.



SAFETY PRECAUTIONS

- Never operate your model during adverse weather conditions. Poor visibility can cause disorientation and loss of control of your model.
- Never use this product in a crowd and illegal area.
- Always ensure the trim levers at 0 and battery properly charged before connecting the receiver.
- Always check all servos and their connections prior to each run.
- Always be sure about turning off the receiver before the transmitter.

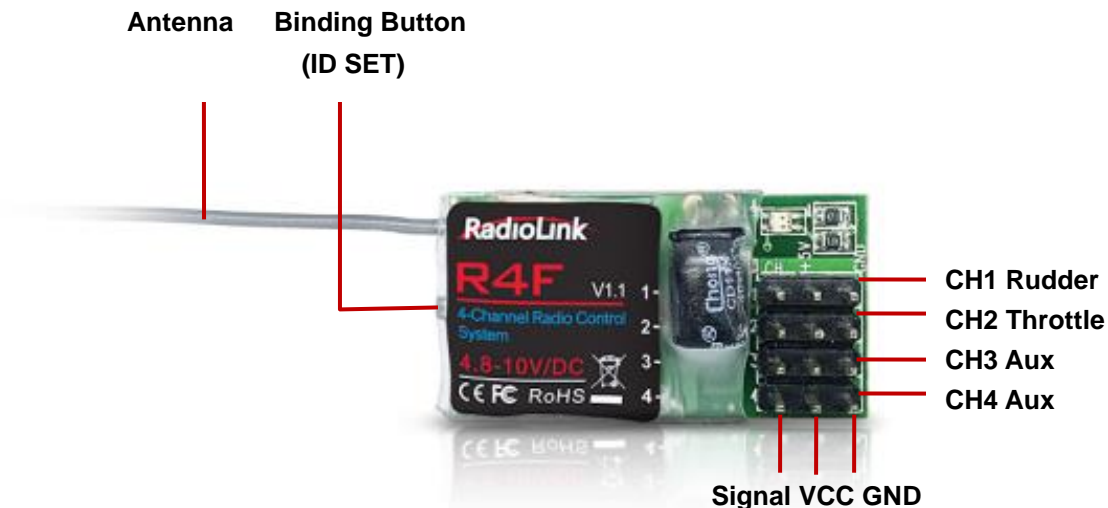
WARNING

This product is not a toy and is **NOT** suitable for children under the age of 18. Adults should keep the product out of the reach of children and exercise caution when operating this product in the presence of children.

Water or moisture may enter the transmitter inside through gaps in the antenna or joystick and cause model instability, even out of control. If running in the wet weather (such as game) is inevitable, always use plastic bags or waterproof cloth to cover the transmitter.

1. R4F Introduction

RadioLink R4F is a 2.4G 4 channels receiver with weight of 4g(0.14oz) and dimension of 31x11x10mm (1.18"x0.43"x0.39"), supporting signal output of PWM and is compatible with RadioLink transmitter T8FB/T8S/RC6GS V2/RC4GS V2/RC6GS/RC4GS/RC4G/RC3S.



2. Binding

Each receiver has an individual ID code and must bind with transmitter before using. When the binding is done, the ID code will be stored in the transmitter and there's no need to rebind. Therefore, when a new R4F is purchased, binding needs to be done in order to work with transmitter.

Binding steps

1. Put the transmitter and the receiver close to each other (about 50 centimeters) and power both on.
2. Switch on the transmitter and the LED of R4F will start flashing slowly.
3. There is a black binding button (ID SET) on the side of receiver. Press the button for more than 1 second and release, the GREEN LED will flash quickly, meaning binding process is ongoing.
4. When the GREEN LED stops flashing and is always on, binding is complete. If not succeed, repeat the above steps.

3. Working Mode

R4F supports PWM signal output with 4 channels in total.

4. R4F Specifications

- 1) Frequency: 2.4GHz ISM band(2400MHz~2483.5MHz)
- 2) Dimension: 31x11x10mm(1.18"x0.43"x0.39")
- 3) Weight: 4g(0.14oz)

- 4) Channel Qty: 4 channels
- 5) Signal Output: PWM
- 6) Model Application: Car/Boat/Fixed Wing/Glider/Multirotor
- 7) Encode: FHSS 67-channel pseudo random frequency hopping
- 8) Antenna Length: 200mm
- 9) Voltage Range: 4.8-10V
- 10) Channel Resolution: 4096
- 11) Operating Current: 30mA@5V
- 12) Control Distance: 400 meters(1312ft) on the ground

5. Note of Antenna Installation

In order to maximize the signal transmission, it's greatly advised that

- 1. Keep antennas as straight as possible, or the effective control range will reduce.
- 2. Big models may contain metal parts that influence signal emission. In this case, antennas should be positioned at both sides of the model to ensure the best signal status in all circumstances.
- 3. Antennas should be kept away from metal conductor and carbon fiber at least half inch away and no over bending.
- 4. Keep antennas away from motor, ESC or other possible interference sources.
- 5. Sponge or foam material is advised to use to prevent vibration when installing receiver.
- 6. Receiver contains some electronic components of high-precision. Be careful to avoid strong vibration and high temperature.
- 7. Special vibration-proof material for R/C like foam or rubber cloth is used to pack to protect receiver. Keeping the receiver in a well-sealed plastic bag can avoid humidity and dust, which would possibly make the receiver out of control.

When all the above steps are complete, please turn off the transmitter and repower on to test if the receiver is correctly bind with it.

Thank you again for choosing RadioLink product.