



RSF08SB (S-FHSS compatible receiver) User Manual

Thank you purchasing a Cooltech RSF08SB S-FHSS/FHSS-2.4GHz compatible receiver. The RSF08SB has an S.BUS system output port and a conventional system channel outputs.It can also be used with conventional system servos,etc.in addition to S.BUS system compatible servos and gyros,etc.

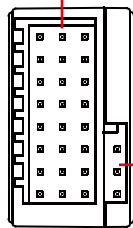
1. INTRODUCTION

1.1 Compatibility:

Applicable systems:Futaba S-FHSS system and TM-FH RF Module



CH1~CH7 output for conventional system



S.BUS port

1.2 Specifications:

Operating Voltage Range: 3.5V~ 8.4V
Dimension: 47.5X25.3X15mm
Weight: 11g
Battery F/S Voltage: 3.8V

2. LINK TO THE TRANSMITTER

2.1 Bind procedure:

- 1) Bring the transmitter and the receiver close to each other within 20 inches (half meter).
- 2) Turn on the transmitter.
- 3) Turn on the receiver
- 4) Press and hold the Link switch more than 2 seconds. When the link is complete, the LED in the receiver changes to solid green.When the ID cannot be read due to the surrounding environment, try reading it with the transmitter and receiver antennas touched.

WARNING:

If there are many S-FHSS systems turned on in close proximity, your receiver might not link to your transmitter. In this case, even if the receiver's LED stays solid green,unfortunately the receiver might have established a link to one of other transmitters. This is very dangerous if you do not notice this situation. In order to avoid the problem,we strongly recommend you to doublecheck whether your receiver is really under control by your transmitter by giving the stick input and then checking the servo response.

NOTICE:

When you use TM-FH RF Module,the fail safe function can be set for 3-channel only.The throttle stick is set the position of hope (slow) and above-mentioned Link is set.



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2.2 LED Status:

Green	Red	Status
off	solid	No signal reception
solid	off	Receiving signals
blink	off	Receiving signals but ID is unmatched
Alternate blink		Unrecoverable error(Memory,etc.)

3. ABOUT S.BUS

Different from conventional radio control systems the S.BUS system uses data communication to transmit control signals from a receiver to a servo, gyro, or other S.BUS compatible device. This data includes commands such as "move the channel 3 servo to 15 degrees, move the channel 5 servo to 30 degrees" to multiple devices.The S.BUS devices execute only those commands for their own set channel.For this reason, it can be used by connecting multiple servos to the same signal line.



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