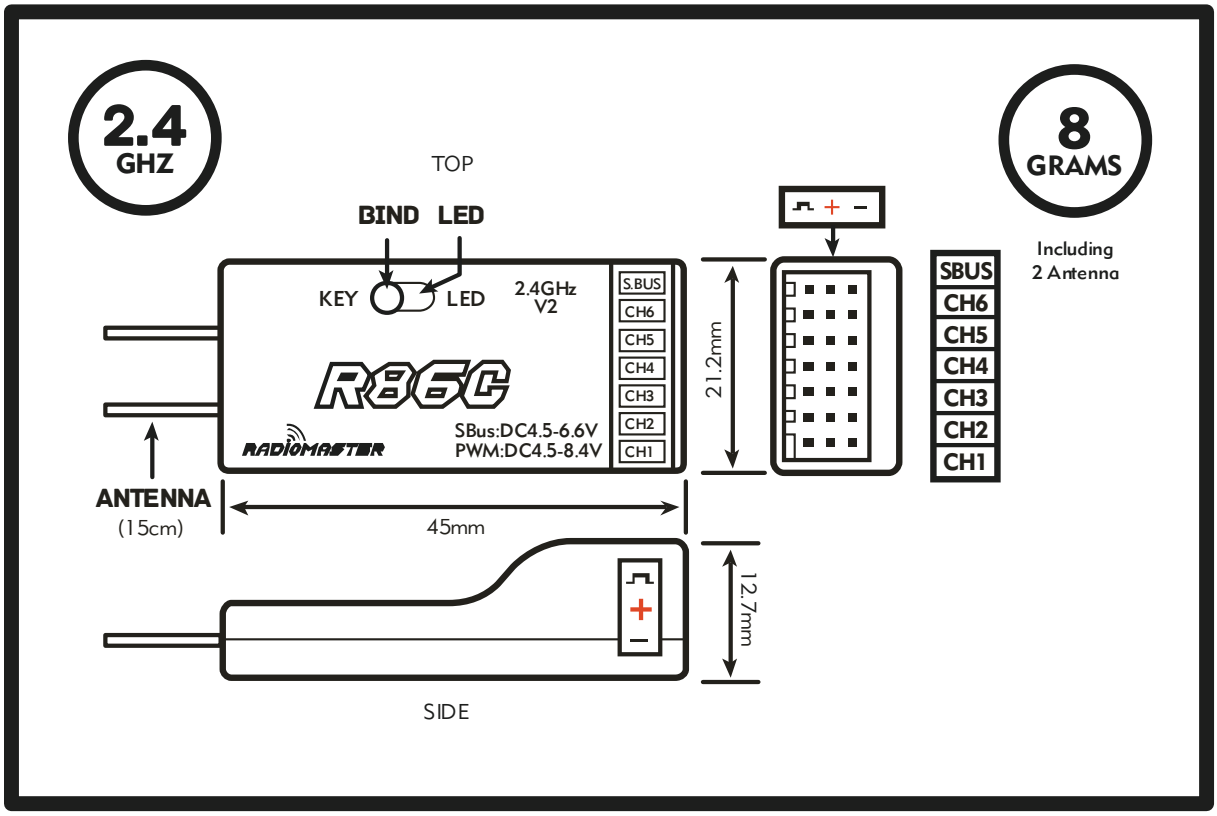
R86C Receiver User Manual



SPECIFICATIONS

- •Size: 45*21.2*12.7mm
- •Weight: 8g
- •Channels: 6 (PWM) / 8 (SBUS)
- •Power Supply: 4.5-8.4V (4.5-6.6V when using SBUS)
- •Frequency Range: 2400-2483.5GHz
- •Signal Format: D8 / D16v1 / SFHSS
- •Output Format: PWM
- •Support Return: Support Return RSSI
- •Control Distance: 1km+
- •Antenna Length: 15cm

BIND METHOD

1. Turn **ON** your transmitter and select the desired protocol.
2. Enter bind mode on the receiver. Press and hold the **[BIND]** button while powering on the receiver.

Receiver will cycle between protocols.

D8	
D16	
S-FHSS	

3. When the flash pattern matches the transmitter protocol, press **BIND** on the transmitter. The light will flash rapidly then return to **solid**.
4. After binding, cycle the power to the receiver.

*Does not support frsky transmitter, only for MPM radio.

RSSI OUTPUT

This receiver has a total of **6 PWM** channels + **9 SBUS** Channels (Sbus has 8 control channels + 1 RSSI channel). Channels 1-8 are controlled by the remote controller, the 9th channel is the signal strength RSSI value output by the receiver, which can be read by various flight controllers and sent to the OSD to display signal strength in the FPV video feed.

FAIL-SAFE PROTECTION

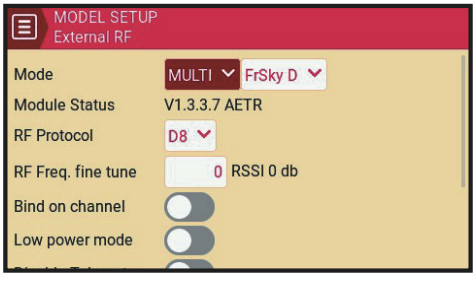
1. Press the **[BIND]** button once within 10 seconds of the receiver being powered **ON**, and the receiver will save all the current channel values of the remote control as the fail-safe value.
2. 10 seconds after the receiver is powered **ON**, the **[BIND]** button function will be disabled to prevent accidental changes to to the fail-safe settings while preparing the model for flight.

*Note: **D8** and **D16** compatible receivers **MUST** be frequency fine tuned prior to flight.

Once the radio is bound to the receiver.
Go to the **RF Freq. fine tune** option in Model Setup.

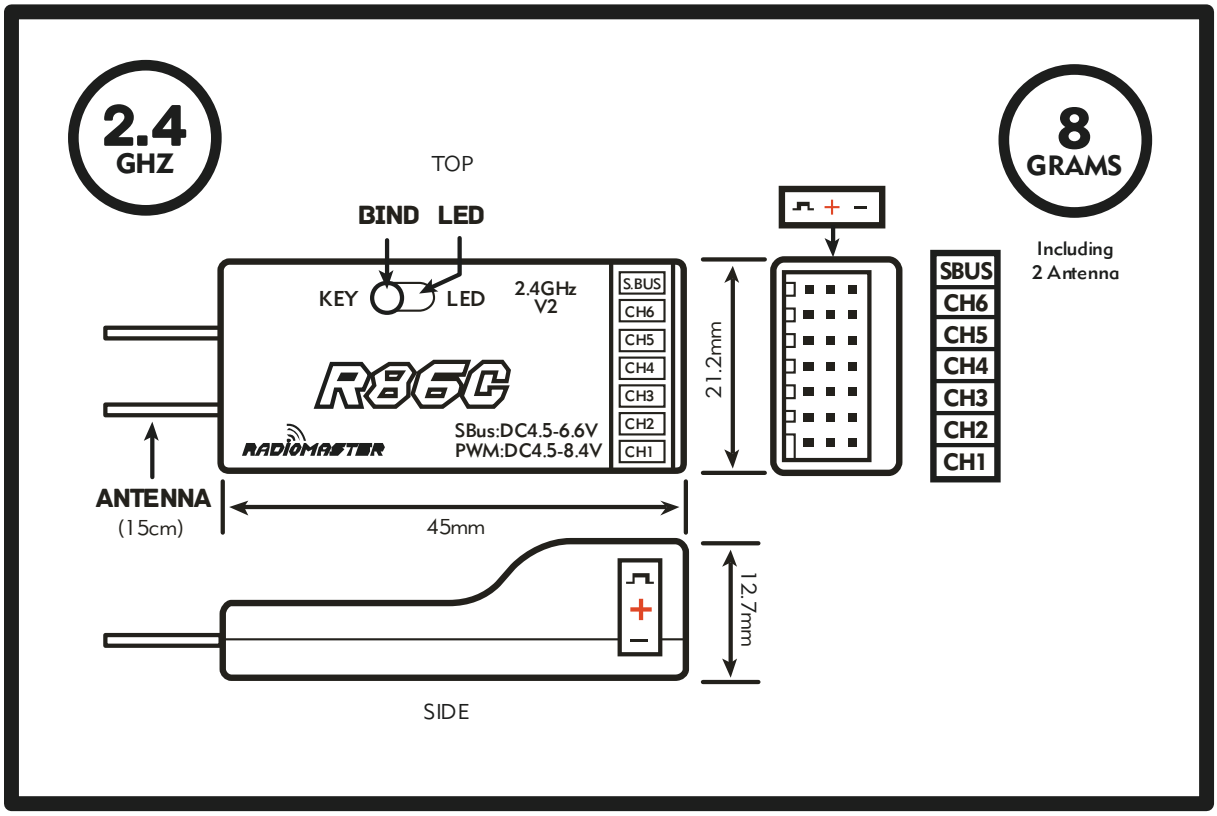
1. **Lower** the value until the radio loses the connection with the receiver.
   ? Record the value **(TUNE_MIN)**.
2. **Raise** the value so that the connection is restored, then continue to raise it until the radio loses the connection with the receiver again.
   ? Record the value **(TUNE_MAX)**.
3. **Calculate** the median between the two values
   ?(TUNE_MIN + TUNE_MAX) / 2 = TUNE_MEDIAN
4. **Set** RF Freq. fine tune to the **median value**
   ?Example: Connection is lost at -73 and +35; the median is -19:

*Once the Fine Tuning value is known, it can be used for all models that use the same protocol.



For more information visit: https://www.multi-module.org/using-the-module/frequency-tuning

R86C 接收机说明书



规格参数

•通道数:	6 (PWM) / 8 (SBUS)
•频段类型:	2400-2483.5Mhz
•尺寸:	45*21.2*12.7毫米
•重量:	8克
•供电范围:	4.5-8.4V(使用SBUS时为4.5-6.6)
•信号格式:	D8/D16v1/SFHSS
•输出格式:	PWM/SBUS
•天线长度:	15厘米
•控制距离:	大于1km
•支持回传:	支持回传RSSI

对频方法

1. 将遥控器开机并选择所需协议；
2. 按压接收机对频开关并对接收机通电；

三种模式循环切换

D8	
D16	
S-FHSS	

3. 当接收机闪灯对应遥控器协议时， 按下遥控器BIND按键。 灯号快闪后常亮 表示对频完成；
4. 对接收机重新供电。

* 不支持frksy遥控器,只支持多协议版本的遥控器

失控保护

1. 接收机通电10秒内，按一次BIND按钮，接收机将保存遥控器当前所有通道值，作为失控保值。
2. 接收机通电10秒之后，BIND按钮功能将被停用，以防止飞行时误触更改失控保护设置。

频率微调

特别注意 D8和D16协议接收机在正式使用之前，必须使用频率微调功能，消除发射机与接收机之间的频率误差，才可达到最佳遥控距离与稳定性，具体操作方法如下：

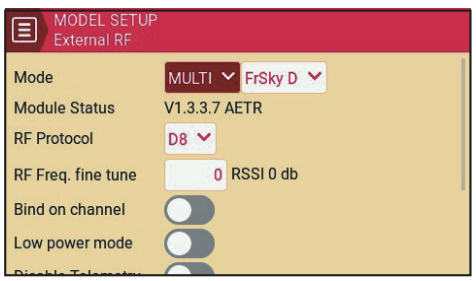
1. 将RF Freq. fine tune数值逐渐调低，直到接收机丢失信号，并记录下这个数值(一般为负数)
2. 再RF Freq. fine tune数值逐渐调高，直到接收机丢失信号，并记录下这个数值(一般为正数)
3. 将这两个数字按此公式计算，得出频率微调中点值，并填写在RF Freq. fine tune参数中(低位数值+高位数值)÷2=中点值

例如：得到低位数值为-73，高位数值为35，根据公式计算

RFFreq. finetune= (-73+ 35)÷ 2

RFFreq. finetune= (-38)÷ 2

RFFreq. finetune= -19



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