

Tiny FRSKY Receiver

Features,

This receiver is specially worked for FRSKY transmitter controller, tiny and light, nice performance for PPM SBUS signal.

Specs,

Work Distance: 600M

Resolution rate: 1024

Output: ppm SBUS

Work Voltage: 5v

Work Current: 100ma

Size: 12*24MM

Weight: <1g

Supports DHT DFT DJT XJT(D8 mode) X9D plus(D8 mode) X9E transmitter protocol

Supports PPM SBUS signal

How to bind the frequency,

- 1、 if for X9D, choose D8 mode, press the BIND button of the receiver lightly, then LED light will on, the transmitter controller also choose the BIND, when the LED on the receiver is off, that means you set the frequency correctly, later quit frequency BIND on the transmitter and loose the BIND of the receiver, restart it, then finished binding.
- 2、 if for DJT, DFT high frequency, press the high frequency button and power the transmitter, now it turns out to bind the high frequency, you need to press the BIND button of the receiver and supply power to it, when you see the LED light out, restart the transmitter and receiver, then finished binding.
- 3、 if for XJT high frequency, choose dip at D8 mode, and same operation with 2.

For PPM :

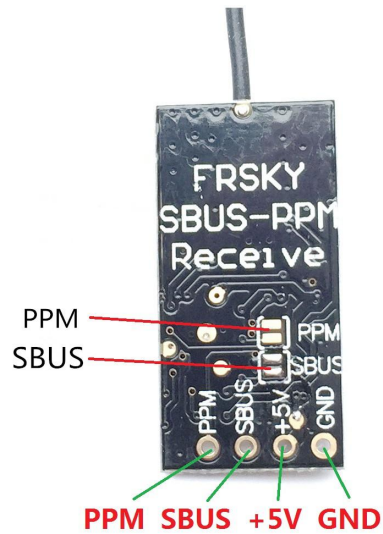
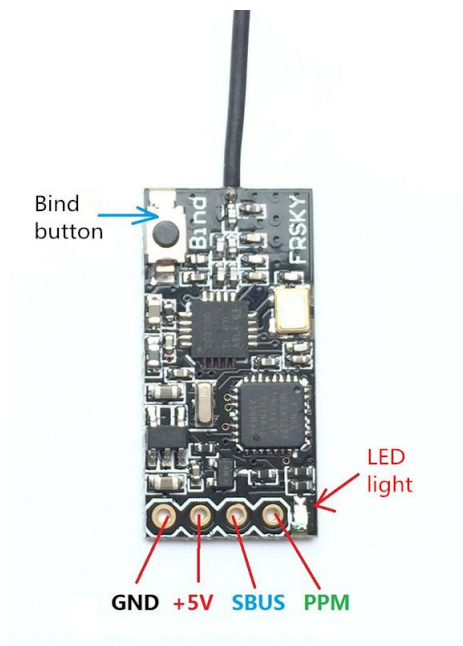
Connect the two small solder pads on the PPM mark on the receiver.

For SBUS:

Connect the two small solder pads on the SBUS mark on the receiver.

Lost-control protection,

Only the third port supports this function for now.



How to set PPM on CF GUI,
 Take Spracing F3 EVO brushed FC as an example,
 F3 EVO brushed FC links to GND and 5V,RX2

Ports DOCUMENTATION FOR 1.13.0

Note: not all combinations are valid. When the flight controller firmware detects this the serial port configuration will be reset.
Note: Do **NOT** disable MSP on the first serial port unless you know what you are doing. You may have to reflash and erase your configuration if you do.

| Identifier | Data | Logging | Telemetry | RX | GPS |
|------------|--|--|-------------------|------------------------------------|----------------------------------|
| USB VCP | <input checked="" type="checkbox"/> MSP 115200 ▼ | <input type="checkbox"/> Blackbox 115200 ▼ | Disabled ▼ AUTO ▼ | <input type="checkbox"/> Serial RX | <input type="checkbox"/> 57600 ▼ |
| UART1 | <input checked="" type="checkbox"/> MSP 115200 ▼ | <input type="checkbox"/> Blackbox 115200 ▼ | Disabled ▼ AUTO ▼ | <input type="checkbox"/> Serial RX | <input type="checkbox"/> 57600 ▼ |
| UART2 | <input type="checkbox"/> MSP 115200 ▼ | <input type="checkbox"/> Blackbox 115200 ▼ | Disabled ▼ AUTO ▼ | <input type="checkbox"/> Serial RX | <input type="checkbox"/> 57600 ▼ |
| UART3 | <input type="checkbox"/> MSP 115200 ▼ | <input type="checkbox"/> Blackbox 115200 ▼ | Disabled ▼ AUTO ▼ | <input type="checkbox"/> Serial RX | <input type="checkbox"/> 57600 ▼ |

Receiver Mode

- RX_PPM PPM RX input
- RX_SERIAL Serial-based receiver (SPEKSAT, SBUS, SUMD)
- RX_PARALLEL_PWM PWM RX input (one wire per channel)
- RX_MSP MSP RX input (control via MSP port)

Serial Receiver Provider

Note: Remember to configure a Serial Port (via Ports tab) and choose a Serial Receiver Provider when using RX_SERIAL feature.

- SPEKTRUM1024**
- SPEKTRUM2048
- SBUS
- SUMD
- SUMH
- SRXL (XBUS_MODE_B)
- XBUS_MODE_B_RJ01
- IBUS

Refresh Save

How to set SBUS on CF GUI,
 Take Spracing F3 EVO brushed FC as an example,
 F3 EVO brushed FC links to GND and 5V,RX2

Ports DOCUMENTATION FOR 1.13.0

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| UART2 | <input type="checkbox"/> MSP 115200 | <input type="checkbox"/> Blackbox 115200 | Disabled AUTO | <input checked="" type="checkbox"/> Serial RX | <input type="checkbox"/> 57600 |
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Refresh Save

When the channels between the transmitter and FC are not corresponding, try this and save.

| Channel | Value |
|----------|-------|
| Roll | 1500 |
| Pitch | 1500 |
| Yaw | 1500 |
| Throttle | 885 |
| AUX 1 | 1425 |
| AUX 2 | 1500 |
| AUX 3 | 1500 |
| AUX 4 | 1500 |
| AUX 5 | 1500 |
| AUX 6 | 1500 |
| AUX 7 | 1500 |
| AUX 8 | 1500 |

Channel Map

TAER1234

RSSI Chann Disabled

Fly safely and have fun!