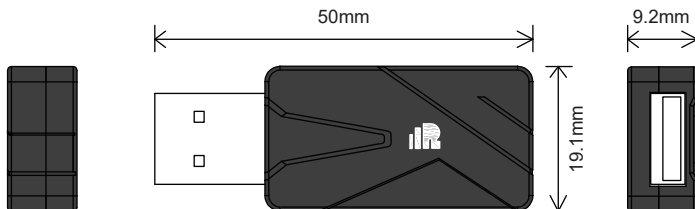


Introduction

The FrSky R2SIM Wireless USB Dongle can be used to bind and connect with controller devices supporting ACCST / ACCESS modes. Once paired, it allows the radio controller to control various flight or other types of simulator software applications.

The R2SIM shares the same form factor as the XSR-SIM, but offers further improvements in control channels, output range. The R2SIM can output 0-2047 range instead of -127-127 from the original XSR-SIM, delivering higher resolution and improved compatibility with a broader range of simulator software.

Overview



Specifications

- Size: 50×19.1×9.2mm (L×W×H)
- Weight: 6.3g
- Operating Current: 20mA@5V (typ.)
- ACCST Mode: 8 proportional channel & 8 switch channel outputs
ACCESS Mode: 8 proportional channel & 16 switch channel outputs
(Note: Channel mixer configuration on the radio system is required to enable different channel outputs.)
- 0-2047 range with higher resolution channel output
- Compatible ACCST & ACCESS working modes
- Compatible with different simulator software (such as DRL, LiftOff, Freerider, HotProps, etc.)
- Firmware Upgradable

LED Indicators

LED Red	LED Green	Working Status
Flash alternatively		Enter Firmware Update Mode
Solid simultaneously		Enter Register / Bind Mode
Off	Stays solid	Binding Successful and in Connecting
Stays solid	Off	Disconnected
Flash	Off	Enter Standby Mode

Register and Bind

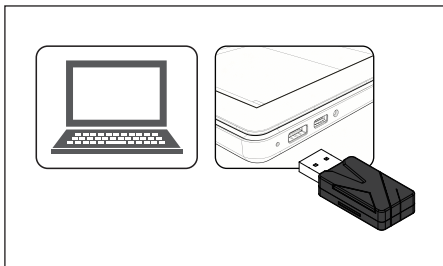
Bind in ACCESS Mode

1. After plugging the R2SIM into the PC's USB port, the Red LED will start flashing. Then press and hold the button on the R2SIM for about 4 seconds. When both the Red and Green LEDs light up simultaneously, the receiver has entered Register/Bind mode.
2. At this point, enable the RF module on the transmitter (select the ACCESS protocol) and enter Register mode to complete the registration process.
3. After registration is completed, switch the RF module to Bind mode.
4. Re-plug the R2SIM into the PC's USB port to complete the binding process (the Green LED will stay solid).

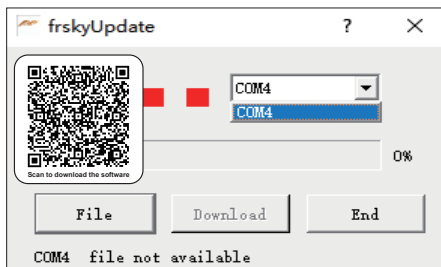
Bind in ACCST Mode

1. After plugging the R2SIM into the PC's USB port, the Red LED will start flashing. Then press and hold the button on the R2SIM for about 4 seconds. When both the Red and Green LEDs light up simultaneously, the receiver has entered Register/Bind mode.
2. At this point, enable the RF module on the transmitter (select the ACCST protocol) and enter bind mode. Then exit bind mode, when the Green LED stays solid, the binding process is complete.

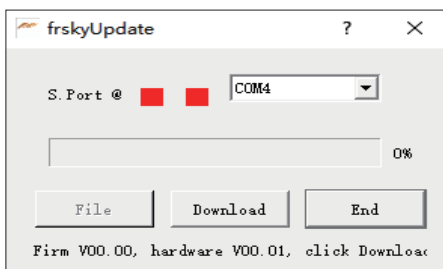
Firmware Update



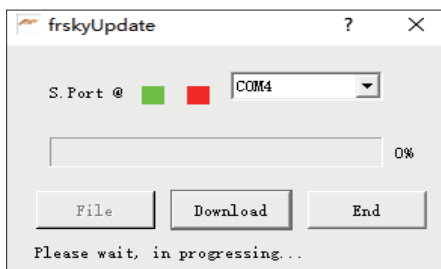
Press and hold the button of the R2SIM, then plug it into the PC's USB port. The LEDs on the R2SIM will flash alternately in red and green at this moment.



Download and launch the firmware update tool on the PC (frsky_update_sport_rev20.exe), then select the recognized COM port.



Download (via Suite App) and load the .frsk firmware by clicking "File" button.



Then click the "Download" button to complete the firmware flashing process.