

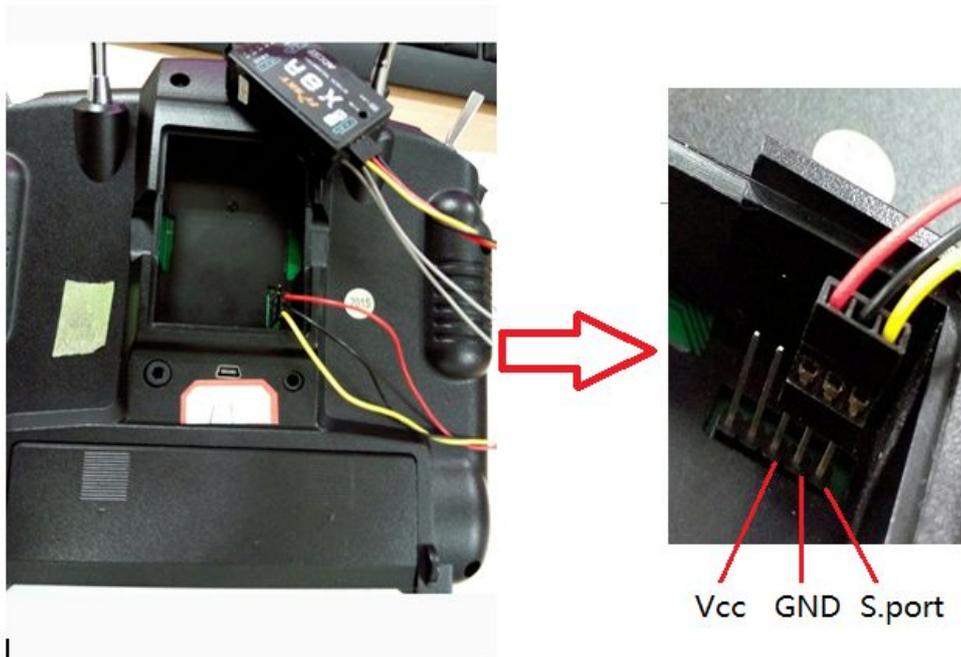
## How to Upgrade Frsky Smart Port (S.Port) Enabled Products by Taranis Transmitter

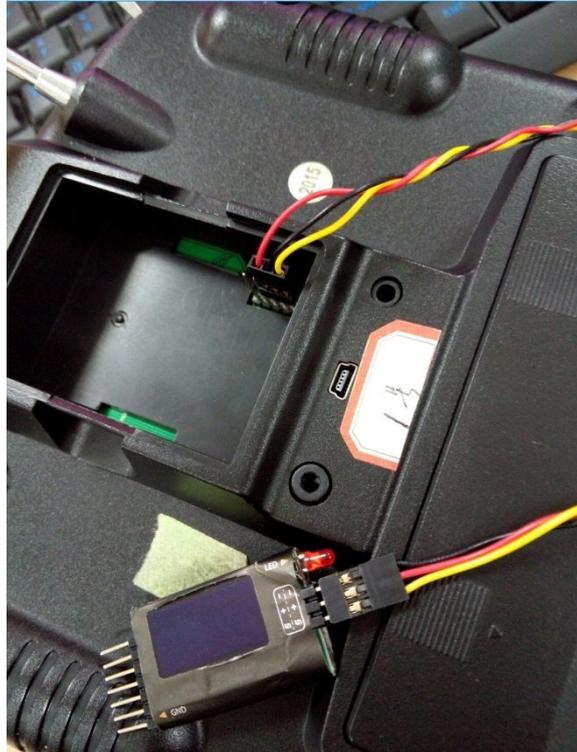
### Taranis (X9D/X9D Plus) firmware requirement: Above 2.1

**Step 1:** Download the firmware of FrSky S.Port product and save into the “FIRMWARES” folder of Taranis SD Card.

**Step 2:** Connect Taranis to S.Port Enabled Products

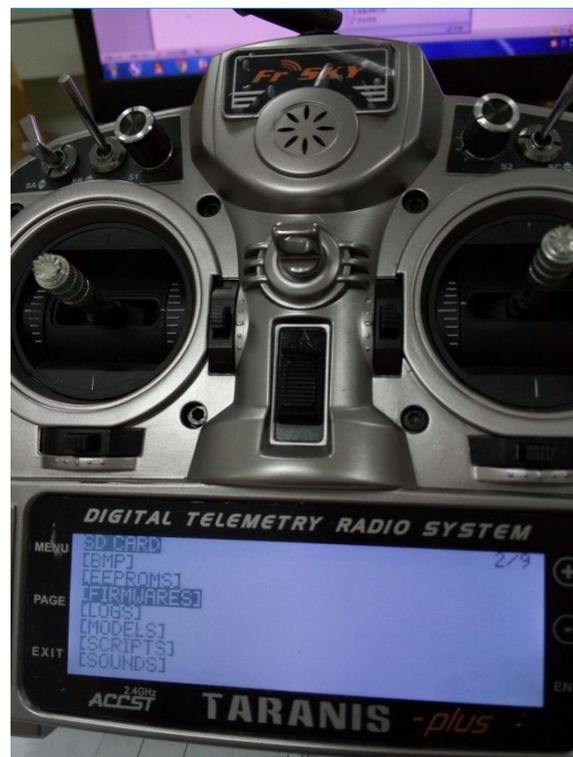
*Please attention the pins definition.*





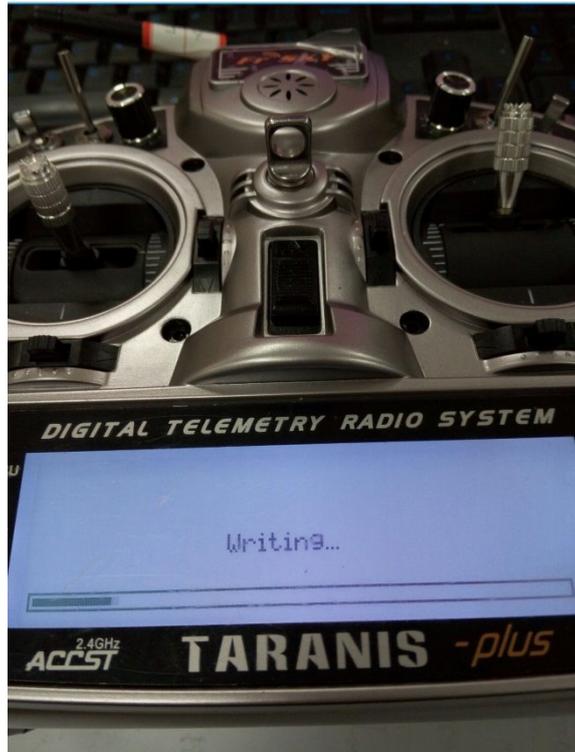
P.S.: For XJT module, just insert in external module socket is ok.

Step 3: Select the firmware you need to update and long-click, choosing “Flash External Device” to update. If you need to update internal XJT firmware, just select the “Flash Internal Module”.





Step 4: waiting for a while;  
It will return to the last menu after success.



## How to upgrade FrSky Smart Port (S.Port) enabled products



### Introduction

FrSky X series modules and receivers, as well as new generation sensors are featured by Smart Port (S.Port). All these products could be firmware upgraded through Smart Port easily.

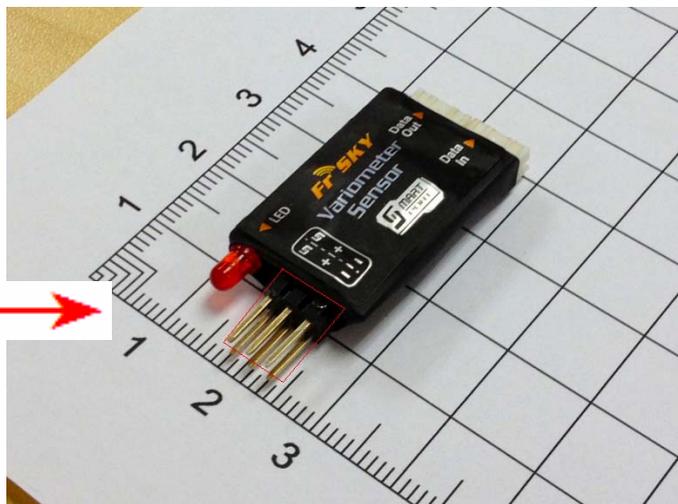
Smart Port on XJT



Smart Port on X8R



Smart Port on  
Variometer Sensor



## Tools

1. FrSky FrUSB-3/FUC-3 (FrSky Upgrade Cable)



2. SPC (FrSky Smart Port Converter)



3. Driver for XP or Win7/Vista: FrSky website [www.frsky-rc.com](http://www.frsky-rc.com) – DOWNLOAD - Driver for XP or Driver for Win7 and Vista
4. Upgrade ROM: FrSky website [www.frsky-rc.com](http://www.frsky-rc.com) – PRODUCTS – category – required product – Download – Related Software

## Steps

The upgrade procedure for all FrSky Smart Port enabled products is the same. Below we take X8R upgrade as an example.

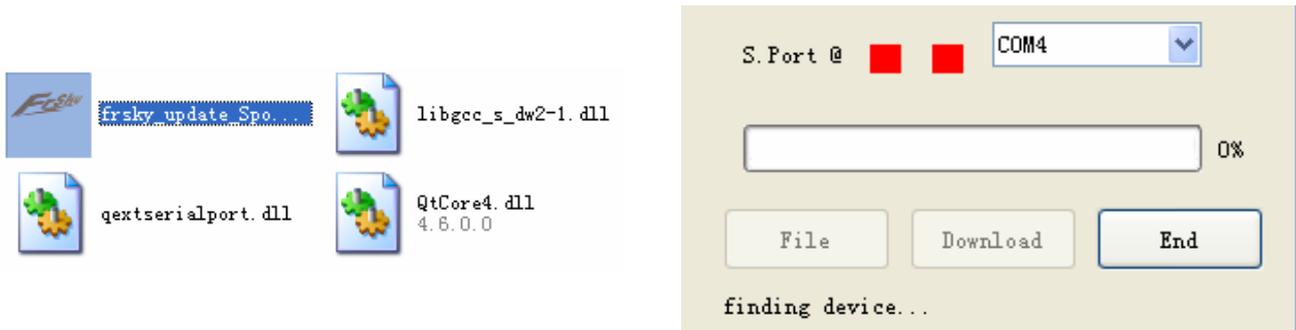
Step 1: Go to FrSky website [www.frsky-rc.com](http://www.frsky-rc.com), Download section, download and install the driver for XP or Win7/Vista.

Step 2: Connect SPC to FrUSB-3/FUC-3 as shown below, and then plug Plug FUC-3 into a USB port on the PC. (For DIY upgrade cable, please refer to the last page)



**Note: GND pin on SPC goes to BLACK wire of FrUSB-3/FUC-3 to make sure the connection is correct.**

Step 3: Run "frsky\_update\_Sport.exe" program. Match the COM port number to the one assigned by computer. Click "File" button and select ROM Version.



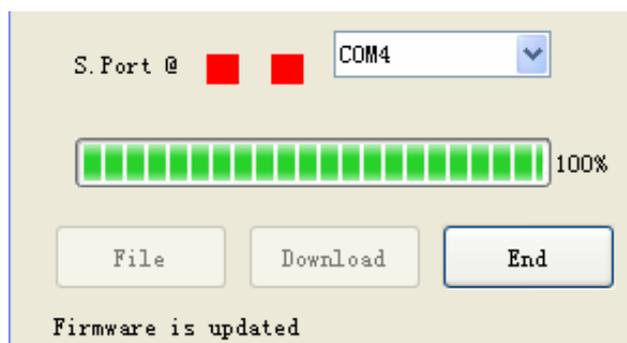
Step 4: Plug the S.PORT Interface of SPC to the Smart Port on X8R. (For XJT upgrade, you could place the Switch 1 and Switch 2 in either position).



Step 5: After "device found, please click Download", then click the "Download" button to start the upgrade.



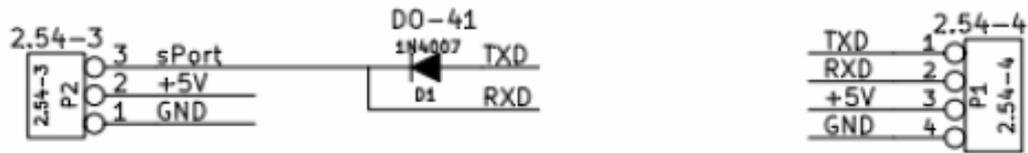
Step 6: Exit the process by clicking "END" button after "Firmware is updated".



### Troubleshooting

- No COM port number shown in step 3: driver installed failure, please re-install the driver
- No "device found" in step 5: re-start the process from the beginning.

### DIY the upgrade cable



### **Attention:**

1. P1 is the interface of FUC-3
2. P2 is the interface of S.PORT
3. TXD/RXD is RS232 LEVEL