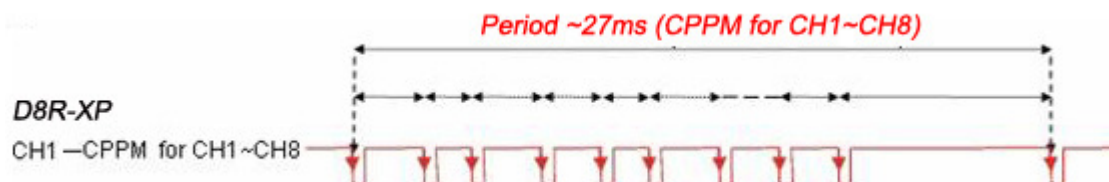


Read Me:

1. Firmware for D8R-XP: d8rxp_cppm27_build120926.frk

This firmware is developed for D8R-XP ONLY, increasing the Period of D8R-XP CPPM channel from 18mS to 27mS for people who use multi-copters and other auto flying devices to handle all eight channels from CPPM channel at the same time.



2. Instruction Manual for D8R-XP:

<http://www.frsky-rc.com/uploadfile/201208/20120812185752918.pdf>

Note: FrSky will not be responsible for any consequence, and will not support warrantee replacement caused by installing this firmware into receivers other than D8R-XP.

D8R-XP Firmware Upgrade Guide:

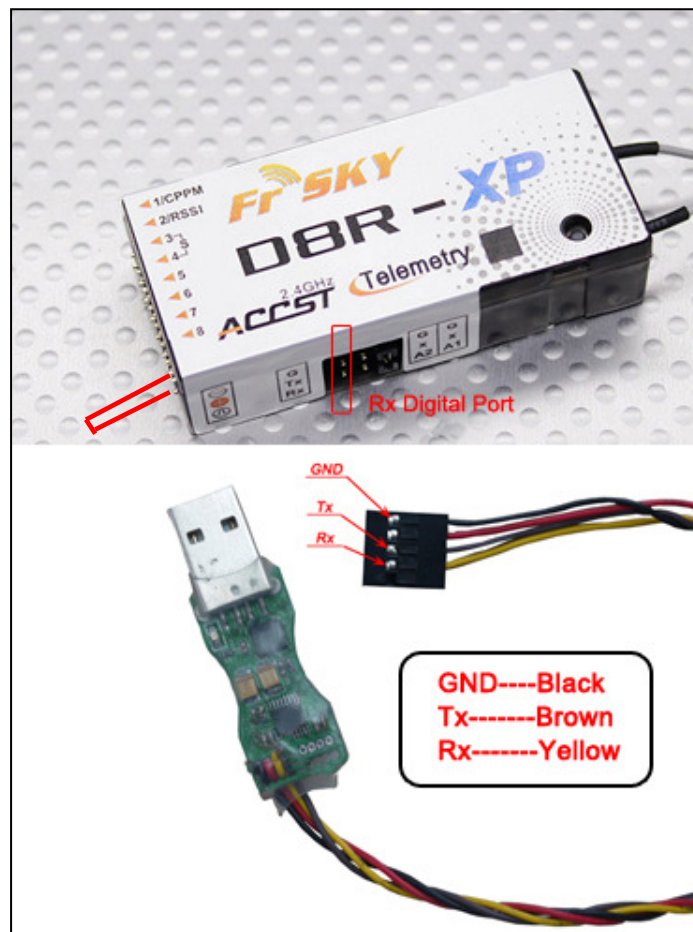
Upgrade Requirements:

1. FrSky FrUSB-1 (FUC-1) or FrUSB-3 (FUC-3)
2. Battery for power supply
3. Jumper (provided with D8R-XP)
4. Upgrade file with firmware (d8rxp_cppm27_build120926.frk)

Upgrade Steps:

1. Plug FrUSB-1 (FUC-1) or FrUSB-3 (FUC-3) to computer port. Wait while computer detects and install driver for either XP or Win7/Vista.

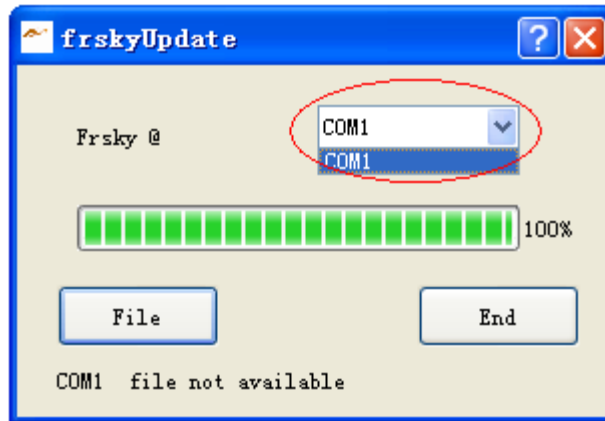
2. Put D8R-XP into BOOT LOADER PROGRAMMING MODE by linking CH7 and CH8 signal pins by the provided jumper. Connect the battery to any available channel from CH1~CH6, and connect FrUSB-1 (FUC-1) or FrUSB-3 (FUC-3) to D8R-XP digital data-stream port as shown below.



D8R-XP Digital Data-stream Port	FrSky FrUSB-1 (FUC-1) or FrUSB-3 (FUC-3)
G	GND
Tx	Rx
Rx	Tx

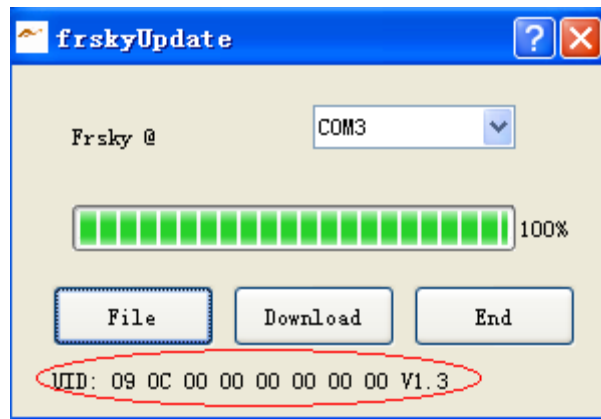
**Note: The wire sequences need to be changed as per the photo and table above.
If FrUSB-3 (FUC-3) is used for the upgrade, disconnect the RED wire.**

3. Run the “frsky_update_rev11.exe” program. Match the COM port number to the one assigned by Windows.



4. Click the “File” button and select the firmware (d8rxp_cppm27_build120926.frk) from where it was saved.

5. After getting the UID number, click the “Download” button to start the firmware upgrade.



6. Exit the process by clicking the “END” button after finish. Unplug the jumper from the receiver.

Trouble shooting:

If fail in getting COM port number or UID number, please start from the beginning and try again.