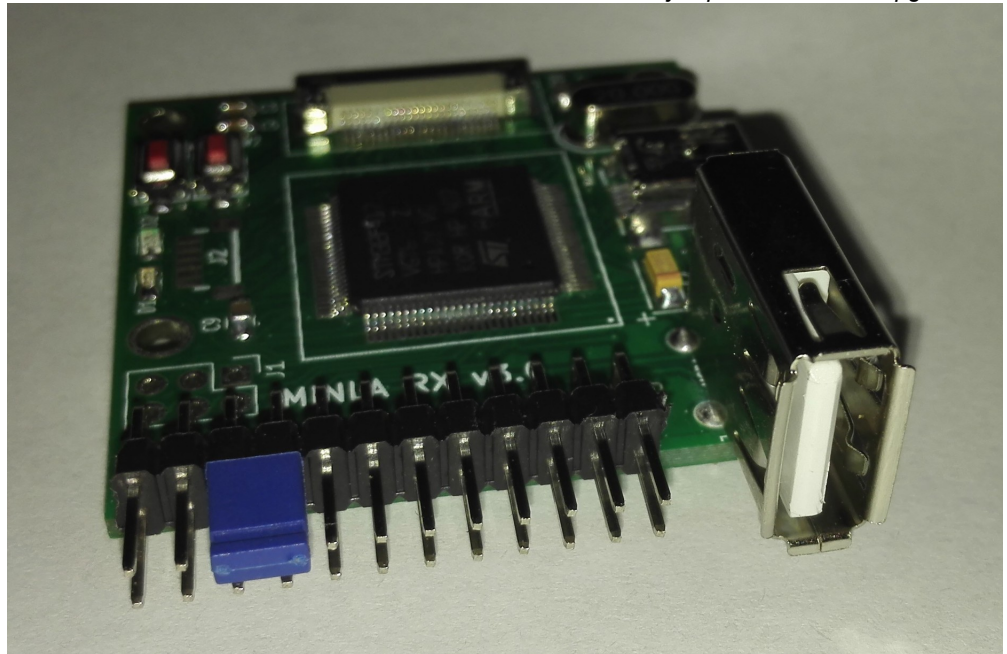


MINLA LTE receiver board can be easily updated via USB.
Step by step process described below:

1. Disconnect all cables from MINLA receiver board.
2. Put jumper on pin number 10 and 9 (refer to MINLA pinout manual) as shown on pic.1.

Pic 1. Minla receiver board jumper for firmware upgrade.



3. Download firmware upgrade tool - <https://dl.dropboxusercontent.com/u/3220677/DRONE/DfuSe.zip>.
4. Download new firmware *.dfu file.
5. Connect MINLA receiver to windows pc with mini usb cable. Install drivers for new usb device if needed. Drivers are located in firmware upgrade tool in folder **DfuSe\Driver**.
6. Run firmware upgrade tool – **DfuSe\BIN\DfuSeDemo.exe**
7. Make sure you see “STM Device in DFU Mode” in left upper corner of upgrade tool (marked with 1 on pic.2)
8. Choose firmware *.dfu file by pressing “Choose” button in right bottom corner (marked with 2 on pic.2)
9. Press “Upgrade” button (marked with 3 on pic.2). Wait til upgrade process ends. Dont remove mini usb cable from device or you pc when upgrade process is running.
10. Press “Verify” button (marked with 4 on pic.2).
11. Now you can safely disconnect mini usb cable. Firmware is upgraded.

Pic 2. Upgrade tool.

