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UHSDR Firmware

There are two options to load new firmware versions onto a working UHSDR boot loader:

- DfuSe Tool
- USB Stick

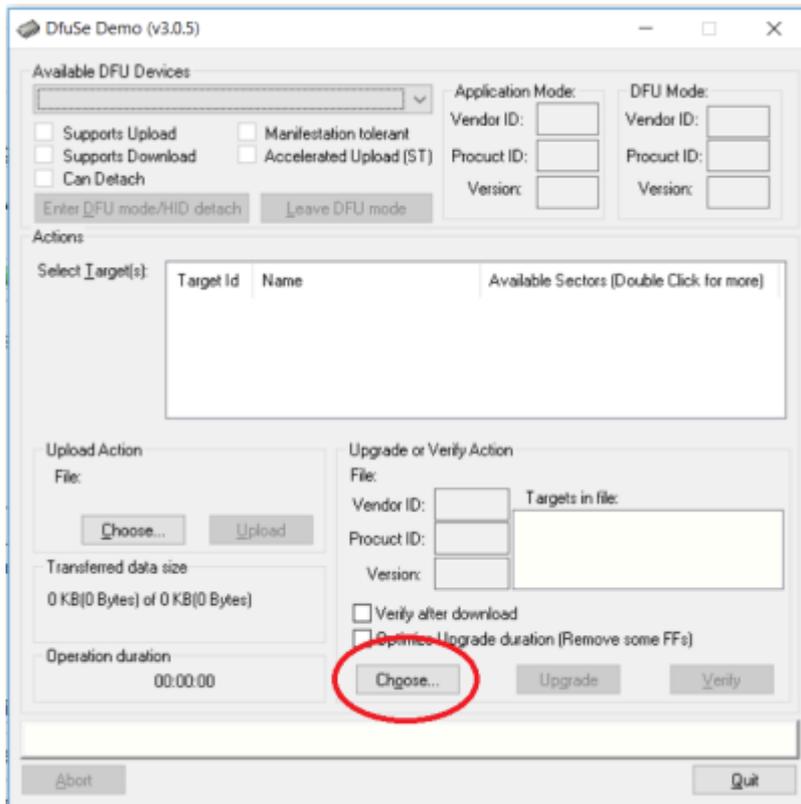## DfuSe Firmware upgrade

Preconditions

- Download latest fw-40SDR.dfu firmware from here.
- Install ST-Micro DeFuse Tool: http://www.st.com/en/development-tools/stsw-stm32080.html
- Connect PC with OVI40 UI via USB - to - MiniUSB cable. Use MiniUSB plug on OVI40 UI
- ST-Micro DFuse SW installed on PC and running, USB drivers installed, OVI40 UI recognized by PC

Procedure

- Press switch "band +" and keep pressed
- supply +5V to OVI40 UI (JP1 pin 28)
- keep pressing "band +" switch until "DFU upgrade mode" appears on LCD screen. You may release the "band + " switch then
- Use DfuSe Tool to load new firmware. Use the "Choose button marked in picture to select new firmware to upload, not the other one. Then use Upload and Verify button, then quit

DfuSe Tool

- Reboot
- Test new firmwre

Further Reading

ST-Micro DFuse Tool Beschreibung

USB Stick Firmware upgrade

Preconditions

Procedure

Further Reading

Note: Einarbeiten:
https://github.com/df8oe/UHSDR/blob/81dd4afae1a52103b2f1824cba34e2ff35e805ea/mchf-eclipse/useful_manuals/bootloader_doc.md

Firmware Installation

Note: ToDo https://github.com/df8oe/UHSDR/wiki/Firmware-Upgrades

Fehlermöglichkeiten

1) USB-Stick an die falsche Buchse gesteckt (die große ist die richtige) 2) Stick nicht mit FAT oder FAT32 formatiert 3) Windows hat an den Dateinamen noch was anderes "drangeschummelt" und zeigt das nicht an 4) Verdrahtung von der großen USB-Buchse zum STM marode 5) zu alter Bootloader (ich rede vom aktuellen Bootloader)

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