

NOTE!

Before you install OpenGD77 save your code plug using the factory (original) CPS, and be sure that you have factory firmware available as it is needed if you choose to revert back to original firmware and code plug.

Original config in radio will not work in OpenGD77 so you need to recreate a code plug manually or with CSV imports.

The CPS file format in OpenGD77 (g77) is not compatible with the factory format (rdt)

Verify if DFU driver is installed and that radio can be accessed via USB cable.

1. Power off radio
2. Start Device Manager in computer.
3. Connect cable between radio and computer.
4. Press and hold PTT and the button above PTT and power on radio in DFU mode.
5. Does the LED blink red and green ?
6. Do you see "STM Device in DFU Mode" in the Device Manager ?



This indicates that you should be able to load OpenGD77 as everything seems to connect as it should.

If not you need to install a working STM DFU driver from

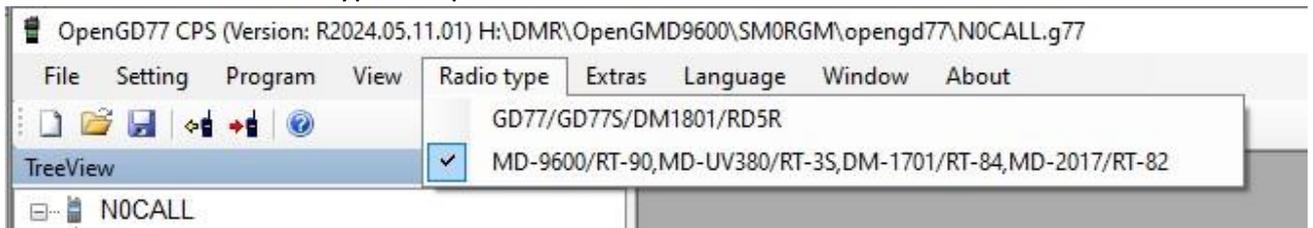
https://www.opengd77.com/downloads/drivers/Dfuse_3.0.6_drivers.zip

Then:

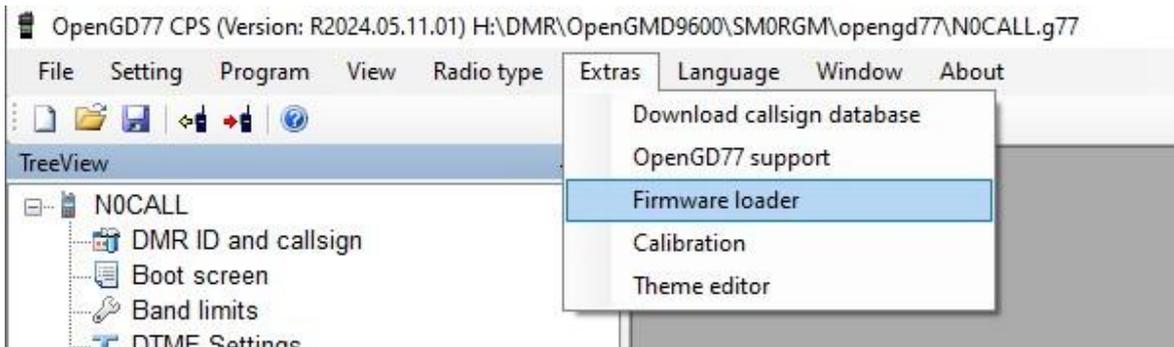
1. Have you loaded and installed latest OpenGD77 CPS from https://www.opengd77.com/downloads/PC_CPS/Latest/
2. Have you downloaded the donor software from https://www.passion-radio.com/index.php?controller=aachment&id_aachment=760 and extracted the file "MD9600-CSV(2571V5)-V26.45.bin" from the donor software
3. Have downloaded latest OpenGD77 file for DM-1701 from https://www.opengd77.com/downloads/MDUV380_DM1701/Firmware/Latest

Then you have all the files needed for flashing:

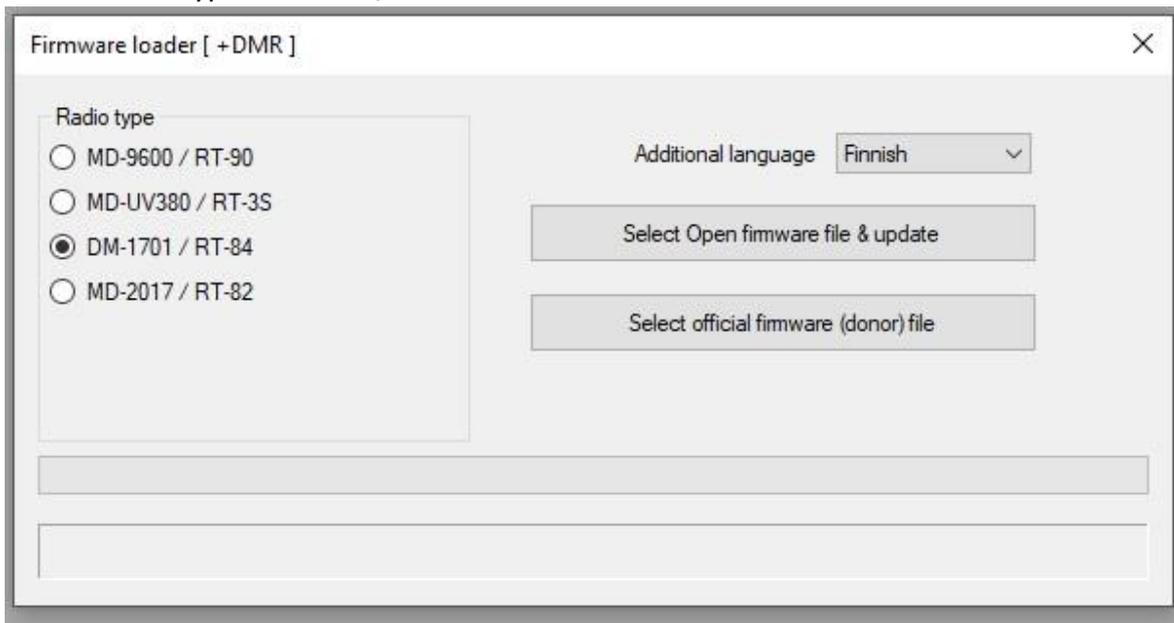
1. Connect the powered off radio to computer as before
2. Start the OpenGD77 CPS program
3. Start radio in DFU mode as before, led on radio should blink red/green.
4. Select the correct radio type in OpenGD77 CPS



5. Start the "Firmware Loader"



6. Select Radio Type DM-1701/RT84 in Firmware loader



7. Click on "Select official firmware (donor) file and find the "MD9600-CSV(2571V5)-V26.45.bin" that you extracted from the donor file.

You will see that it now says [+DMR] in top le of the Firmware loader window as in the picture.

If it says [FM] you will only get FM and no DMR functions.

You can also select one additional language that will be installed in the radio.

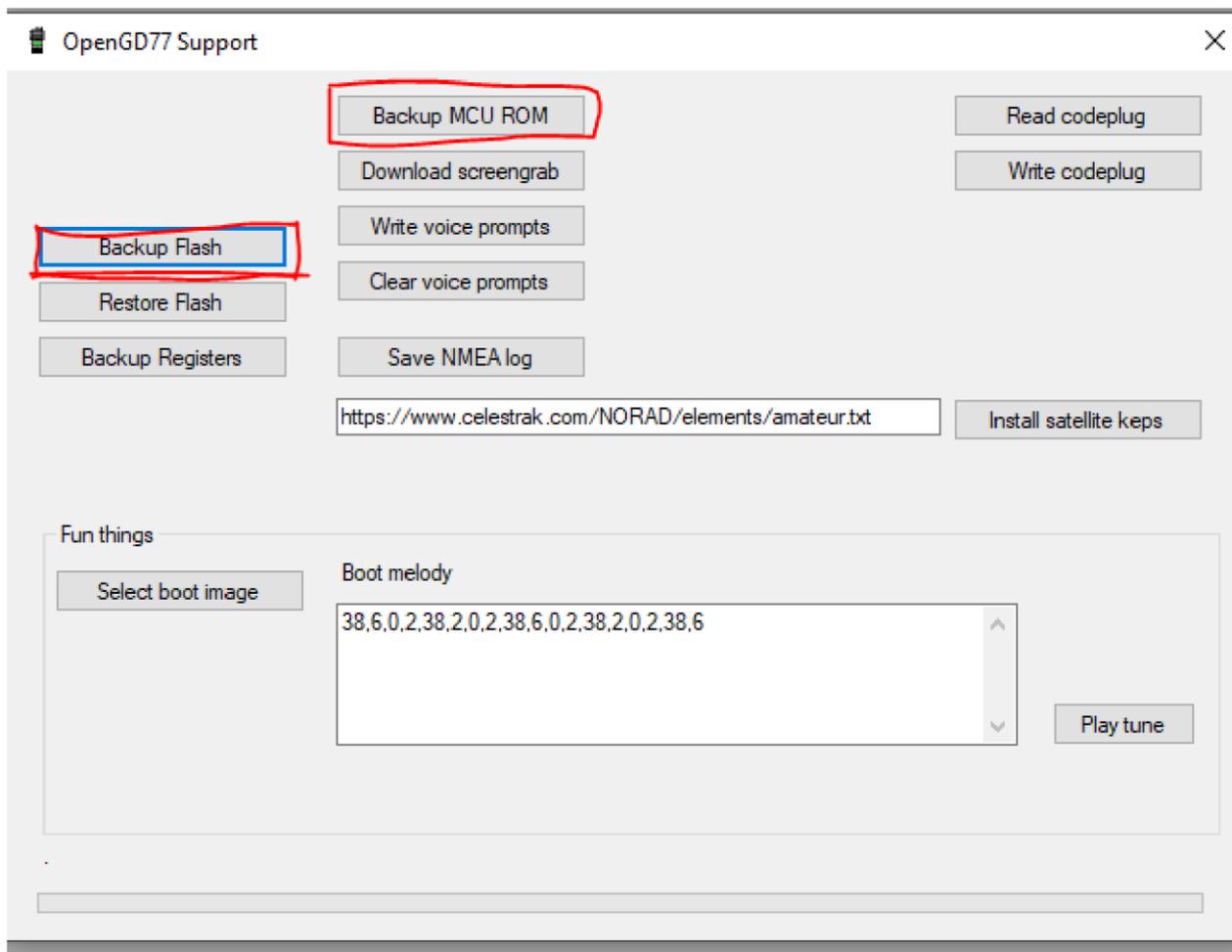
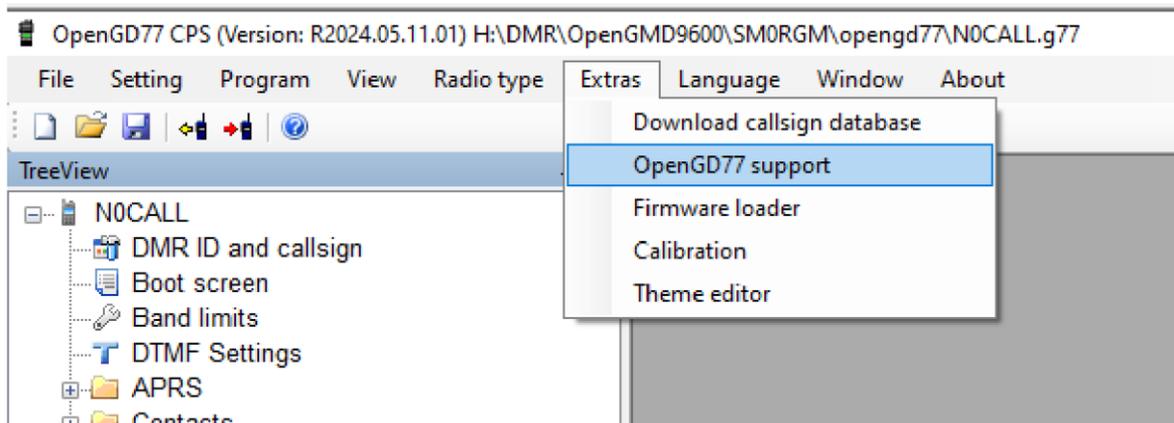
8. Click on "Select Open firmware file & update"

Go to the directory where you put the "OpenDM1701.zip" file and select it and click on Open in the file window.

9. CPS should start the load of the OpenDM1701.zip flash 10. Radio will restart with the loaded OpenGD77 firmware.

10. Radio is now running OpenGD77 but most of the config still contains Baofeng data so the first step is to backup the old flash and MCU ROM from "OpenGD77 support".

The backup is also used if you want to re-install factory software.



When the backup of flash and MCU rom is done you should write a OpenGD77 code plug to clear the config areas.

You can start with the default plug in OpenGD77 CPS.