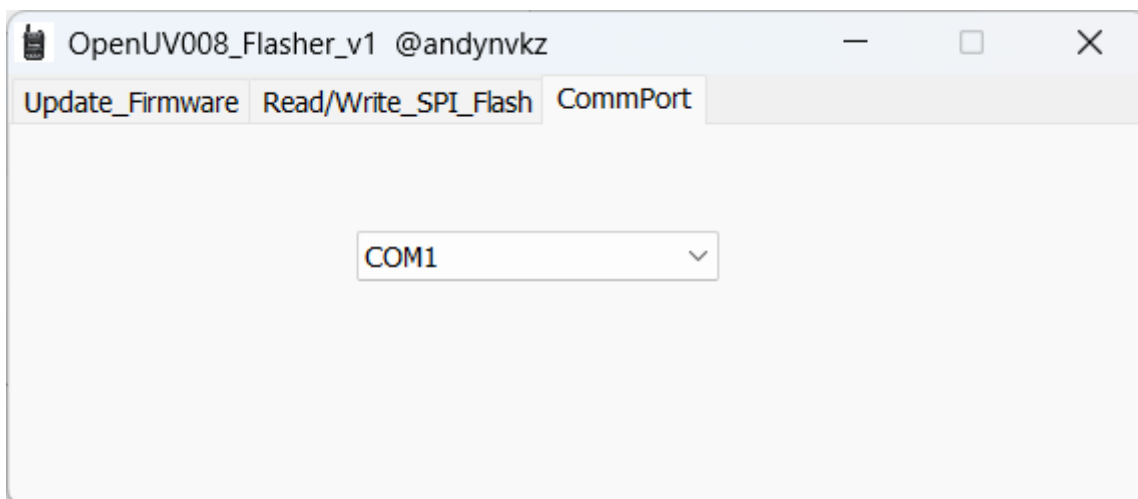


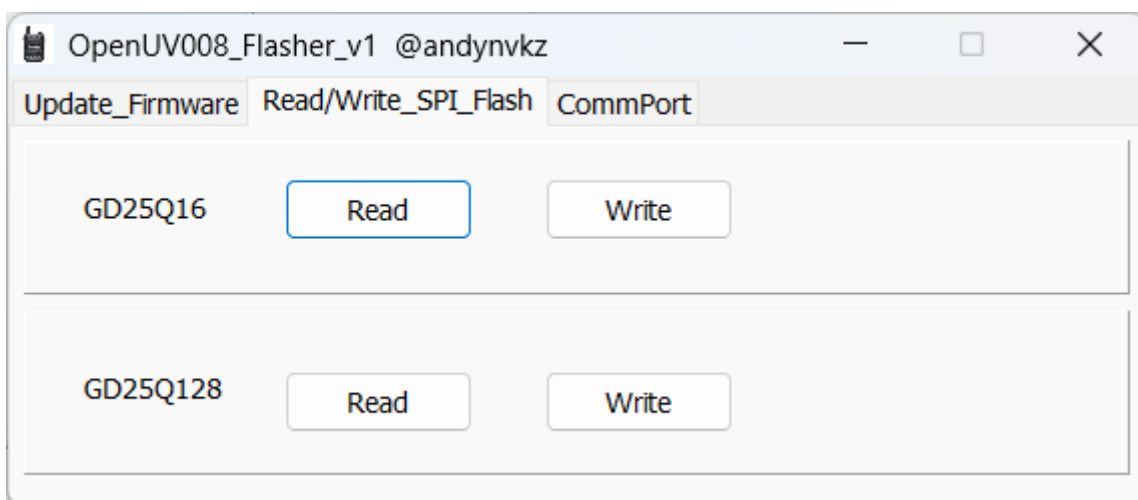
Step-by-step instructions on how to install OpenGD77 firmware on the Baofeng DM-32 transceiver.

Everything you do, you do at your own risk!

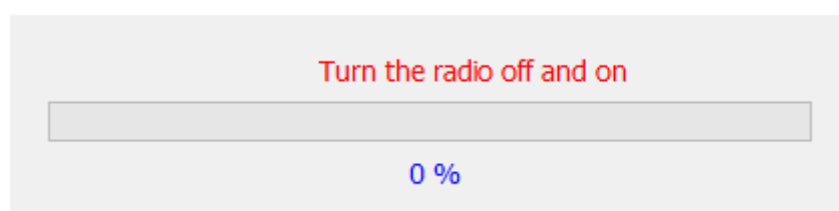
The first step is to back up the 25Q16 and 25Q128 flash memory of your transceiver. Please do not ignore this step! For this purpose, the *OpenUV008_Flasher_v1* by andynvkz software is used



You need to connect the cable, on the *CommPort* tab, select the port number corresponding to your cable.



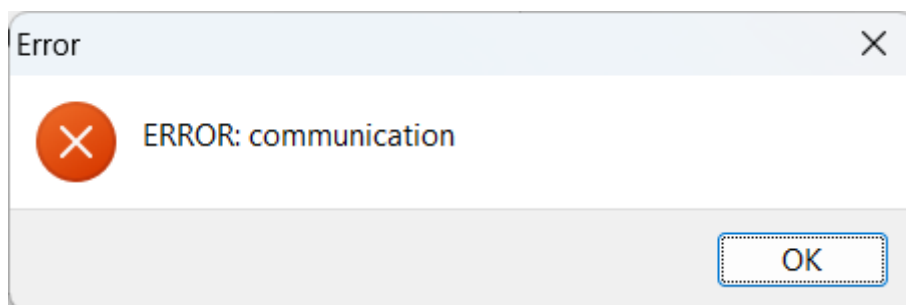
Turn off the transceiver, press the *Read* button, and specify where to save the backup.



When a message appears, you must turn on the transceiver.

This procedure must be repeated for both 25Q16 and 25Q128 memory chips! Chip backups have individual RX/TX calibrations and an ALPU key, so they need to be stored in a safe place.

Possible errors.



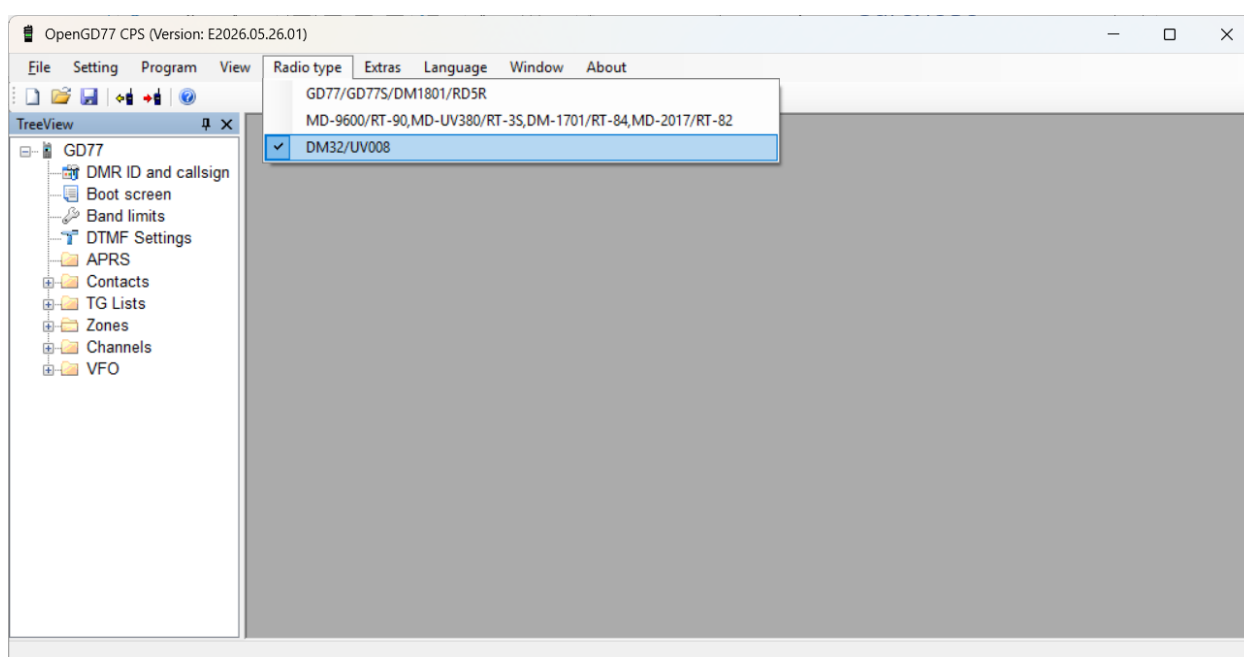
If you get this error, the solution may be to use a different cable with a different controller, such as the CH340, FTDI or CP2102. This software is available at: <http://infotex58.ru/forum/index.php?topic=1155.0>

Alternative method

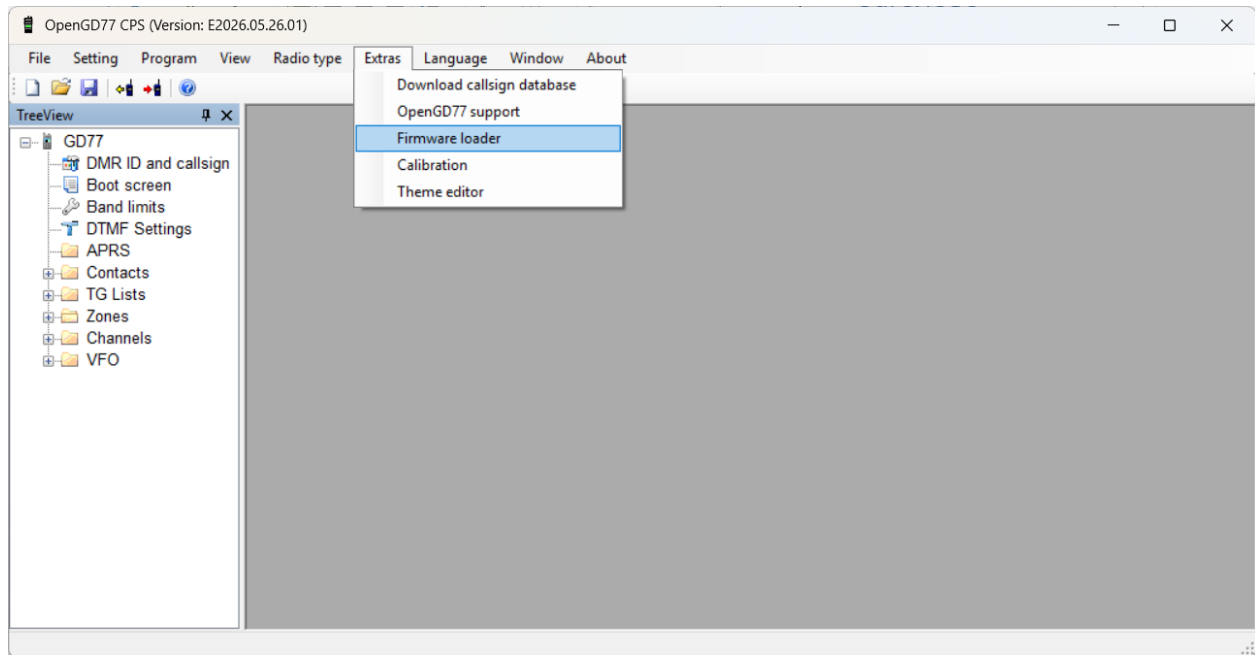
Roger VK3KYY has written scripts in Python, with the help of which it is also possible to get backups of the transceiver. Available at: <https://github.com/rogerclarkmelbourne/DM32/tree/main/python>

Installing OpenGD77 Firmware

To install OpenGD77 CPS Version: E2026.05.26.01 is available at https://www.opengd77.com/downloads/PC_CPS/Experimental/OpenGD77CPSInstaller_E2026.05.26.01.exe



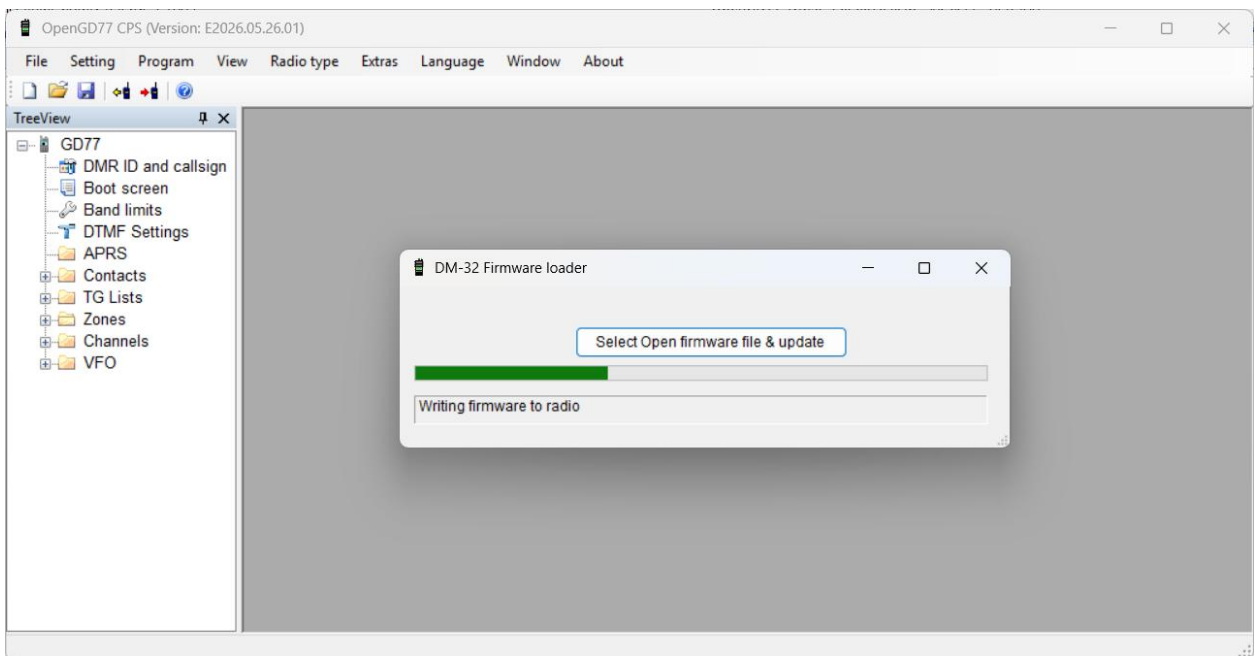
On the Radio Type tab, select the DM32/UV008 transceiver model



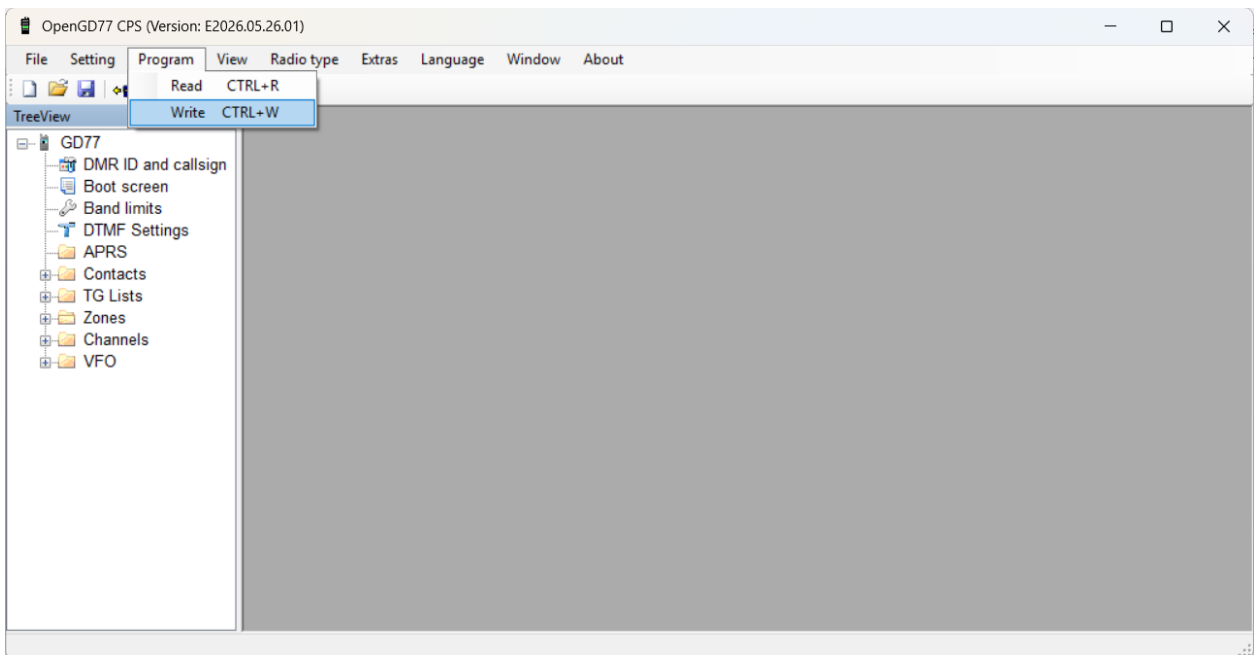
On the Extras tab, select Firmware loader.



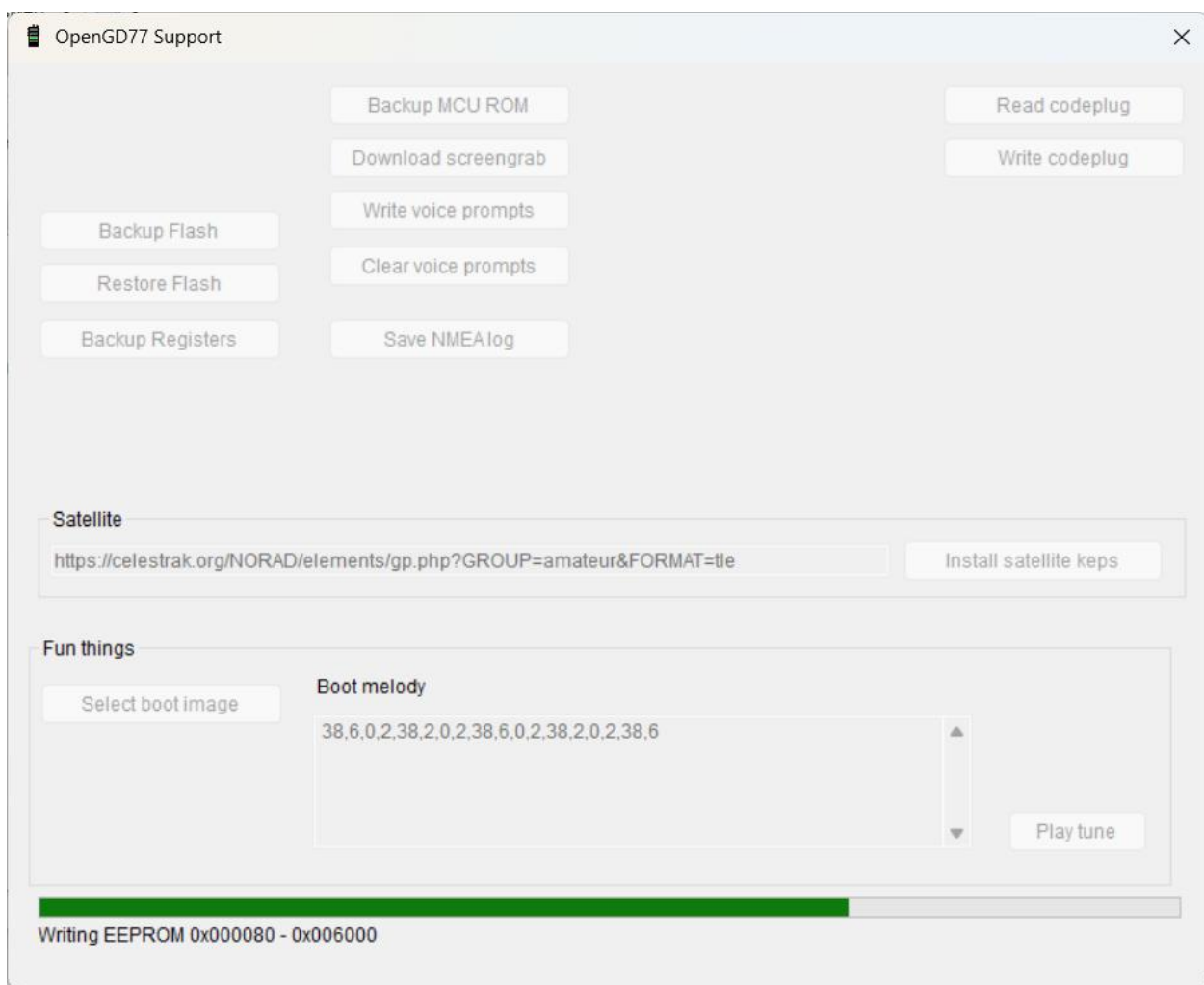
To put the transceiver in firmware update mode, you need to hold down the side keys PTT + SK1 and turn on the transceiver. A green indication indicates that the transceiver is ready to receive the firmware. Connect the cable.



Specify the firmware file and wait for the end of the update process. At the time of writing this documentation, the firmware version `OpenGD77_DM32_20260704.bin`



After updating the firmware, you need to write the default codeplug to the transceiver.



This completes the process of migrating to OpenGD77 firmware! To date, the firmware contains a number of bugs and incomplete implementation of all functionality, but OpenGD77 is enough to demonstrate how it works. If you want to revert to the original Baofeng DM-32 firmware, repeat the steps similar to OpenGD77 firmware.

Acknowledgements:

Andrey andynvkz

Roger VK3KYY

Alexey RA4FHE