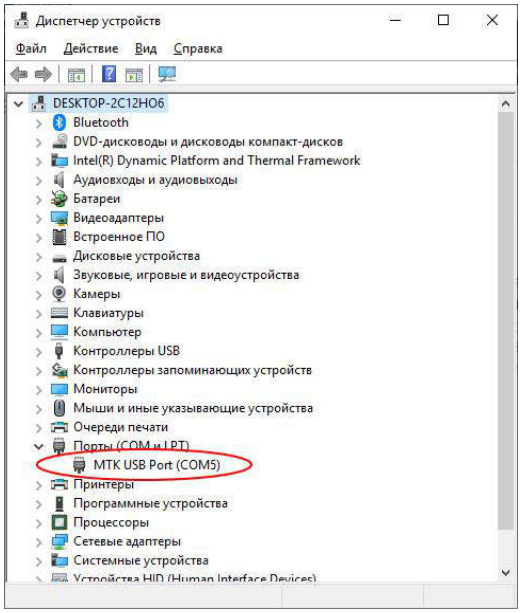
How to build.

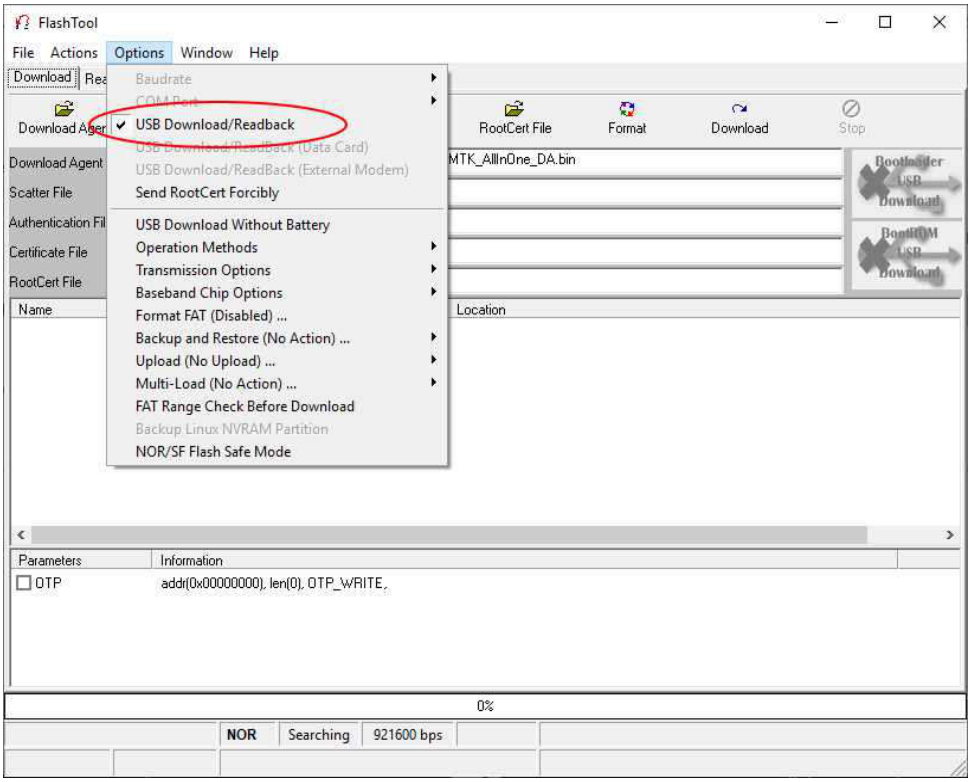
From IDE the target can be selected "Build ->Select target" or on the toolbar.
Select the "BOOTLOADER“ target and build it, then select “SYSTEM” target and build it too. After compilation, the bin\Release folder must contain two files – DZ09.bin and DZ09_boot.bin.

How to flash.

First you need to install USB drivers for your device. They are located in the “tools” folder, for Windows 10, drivers should be installed in the mode with digital signature verification disabled. If everything is done correctly, you should see a serial port in Device Manager for a few seconds when you connect a **powered-off** device to your PC.

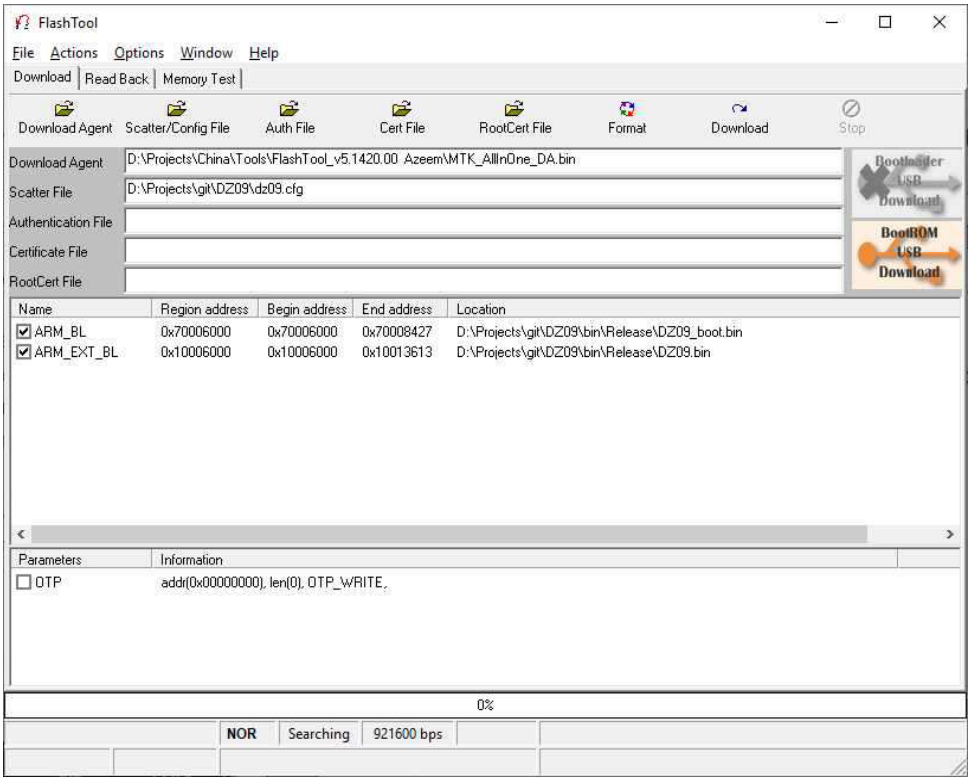


To update the device firmware, you need the FlashTool utility from MediaTek. It is located in the “tools” folder – “FlashTool_v5.1420.00 Azeem.zip”. Unzip the utility in a convenient place and run. Select “USB Download/Readback” option.

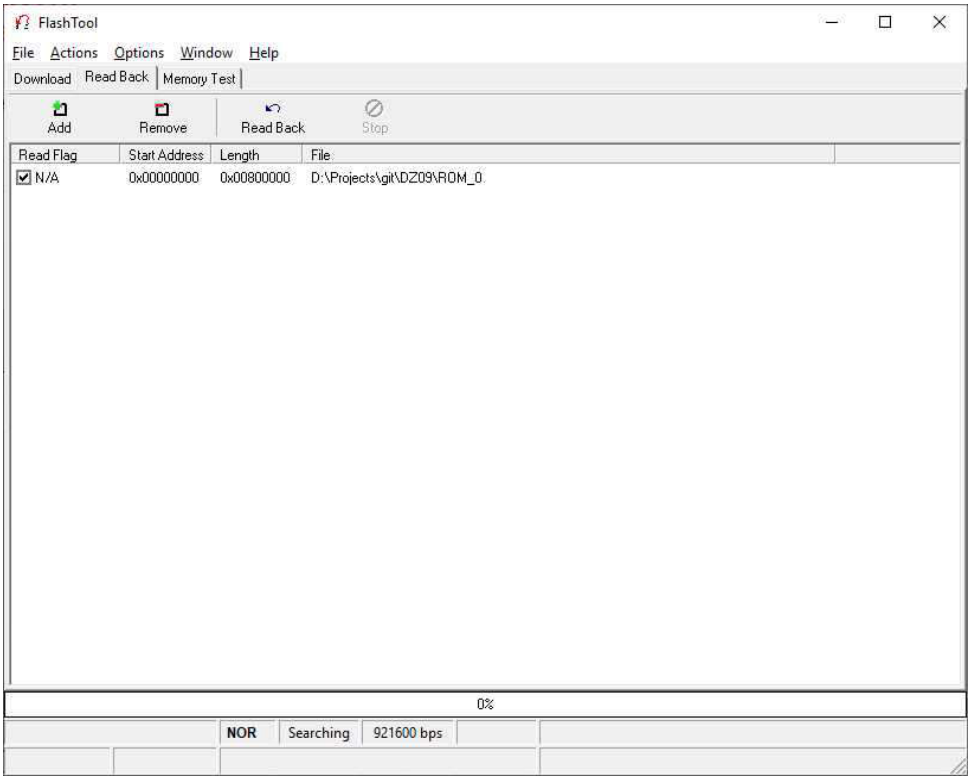


IMPORTANT!!!
Before starting the experiments, do not forget to backup the original firmware.

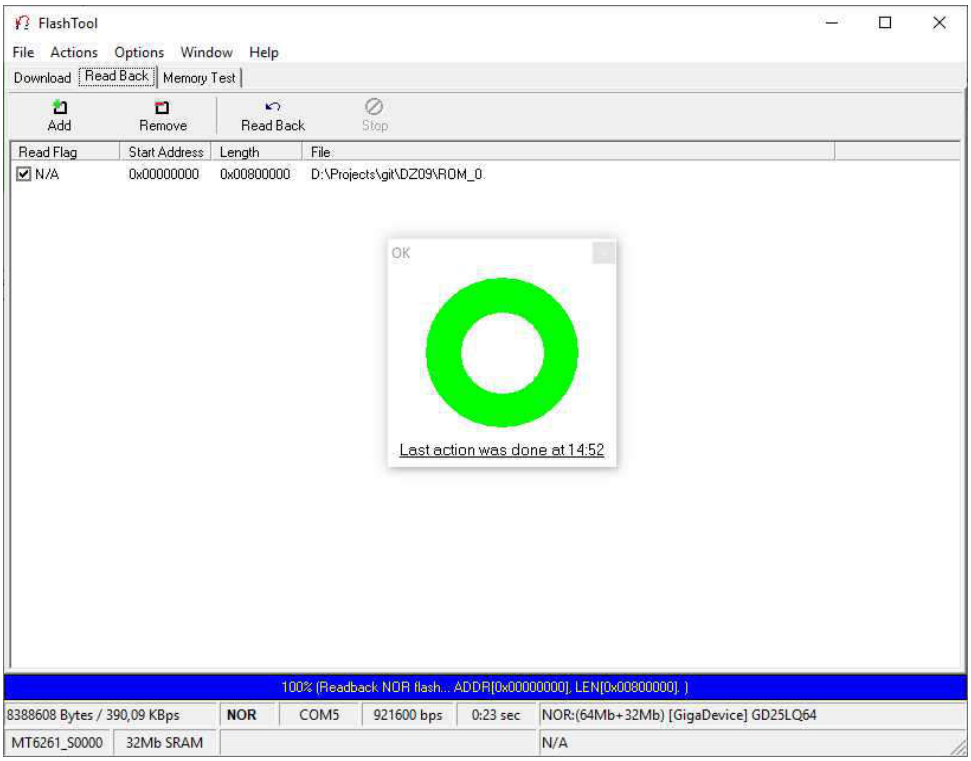
Select the scatter file dz09.cfg from the DZ09 project directory, by clicking button "Scatter/Config File".



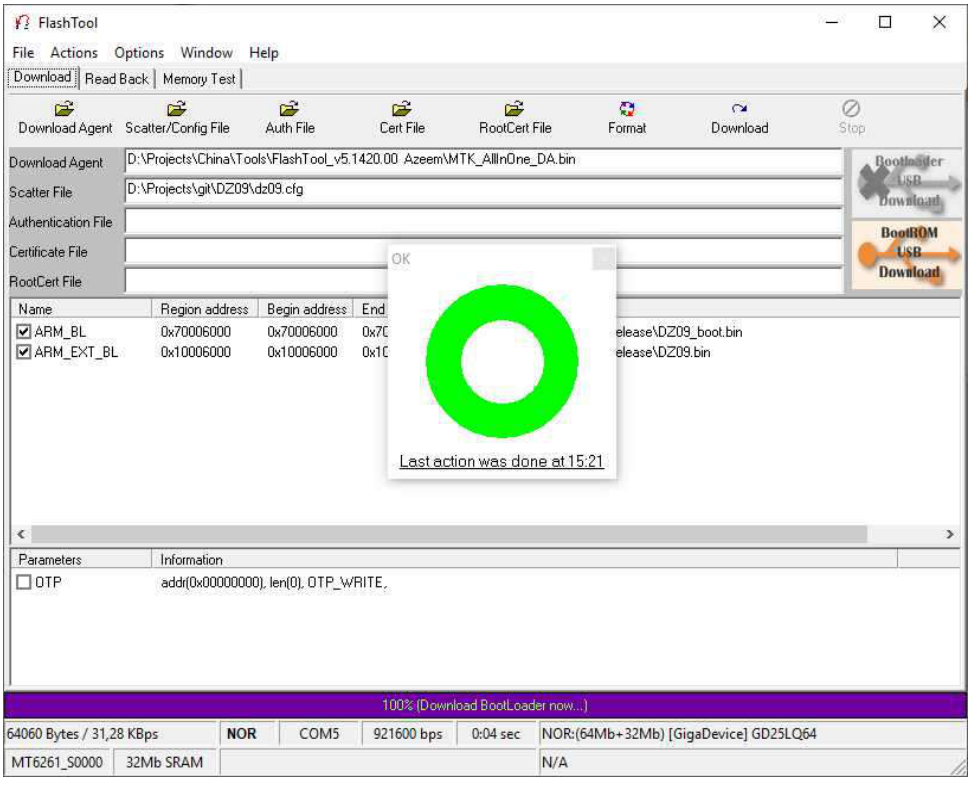
Click the "Read Back" tab, then click "Add." Double-click an item to change the backup file path, start address, and length. The length depends on the type of processor used in the device. MT6261DA has 4MiB of internal flash memory, MT6261MA - 3MiB. The MT6261A has only an external flash memory interface, and the length depends on the installed memory chip. Address = 0x00000000.



Click the "Read Back" button. Turn off the device, if it was turned on, and connect it to the PC via USB. The backup process should start. After successful completion, there will be a similar screen.



Next, disconnect the device from the PC. Go to the tab "Download". Since the scatter file from the DZ09 project is already loaded and all the "bin" files in their places, press the "Download" button and connect the **powered-off** device to the PC via USB. The flashing process should start. After successful flashing, there will be a similar screen.



Disconnect the device from the PC and turn on the power to run the new firmware.