

This is a QUICK guid to the first release ,
of MTBox Nokia software.
Please take 10 min to go though it,
this might save you some time.

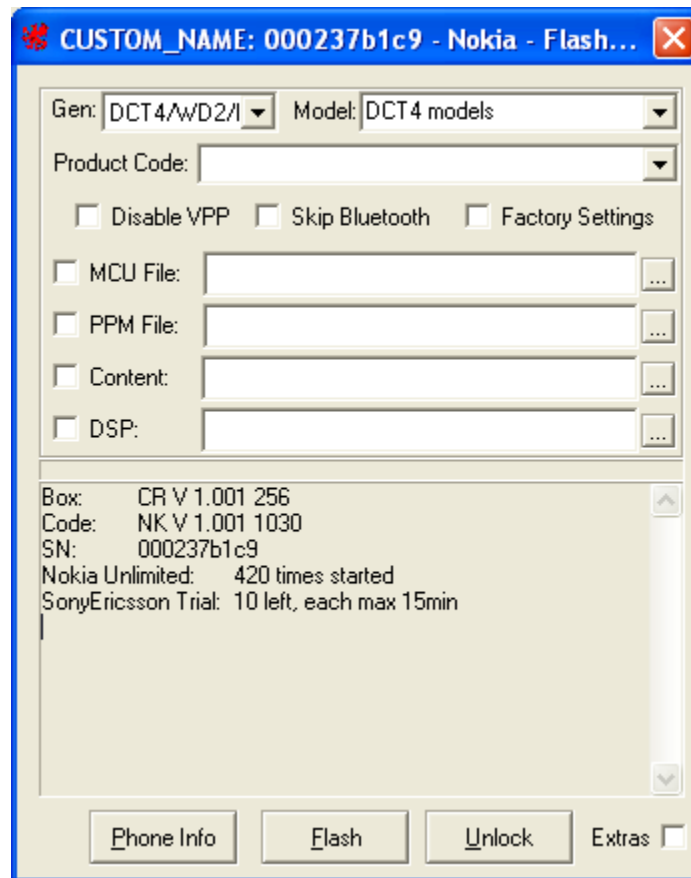
When more then one boxes connected, user needs to select with one to use. After a box is selected , it can't be selected by other executable.

For each box the following information is displayed:

- CustomName (the name that user gave to this box, see bellow on how to do this).
- NK – information if the box is in Trial Mode, or unlimited nokia. How many times SW was started on this box.
- SE – same information for SonyEricsson executables.

Note: in case the SW is unable to find a box do the following:

1. Disconnect the box from PC, and remove power .
2. If it was additionally powered by nokia charger disconnect the charger.
3. Close any applications that are using the box.
4. Goto TaskManager, and make remove (if any) the applications that are still running (applications that use MTBOX).
5. Connect the Box to PC.
6. Wait until Windows shows that MT Box is connected to PC.
7. Start SW.
8. Note: initial start of SW may take up to 5 seconds before Interface is shown, so have the patience to wait.
9. If there still is problem, contact your support site.



This is example of what you should see after choosing the box (if more then one were connected to PC).

Gen: - select DCT4/WD2/BB5 – majority of phones.

Slow DCT4/WD2 – same software support as above, but transmission is in slower speed. Could be useful in case of unstable phone HW, or bad cable, or some special slow phones.

DCT3 – changes some controls, in order to implement DCT3 flashing. Selecting this options also changes the function of “Phone Information”, “Unlock”, “Set Factory Default”

Model: - Lists the known models (extracted from phoenix.ini, or dct3phone.ini). When model is selected, the executable will automatically suggest the last used product code for this model.

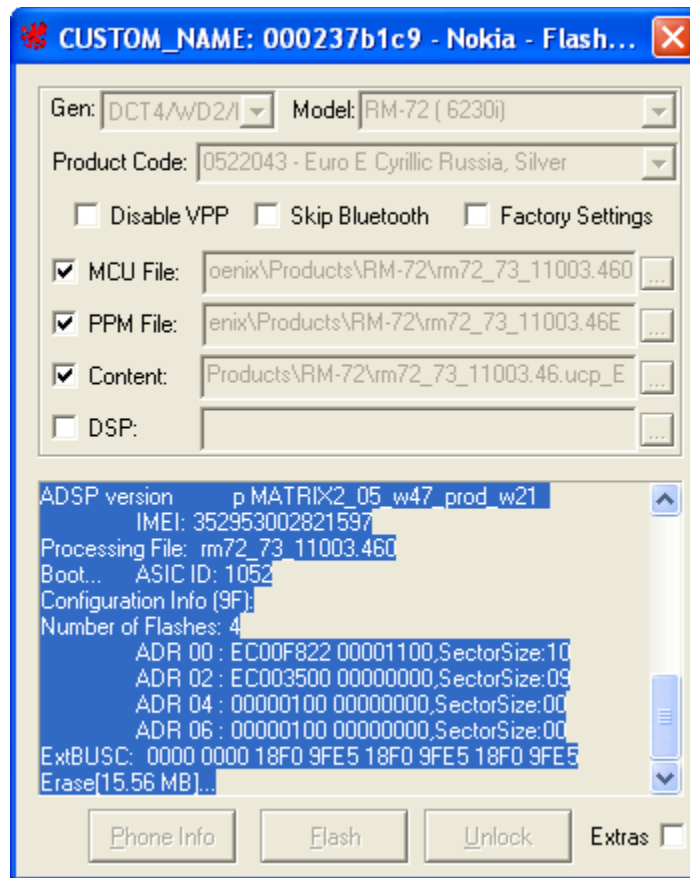
Because there are a lot of models of nokia, you are also able to write the nokia number (public name) or service name (like NPE-4) and press down arrow. The application will automatically locate it.

Product Code: suggest installed product codes for the selected model. When product code is chosen the files for it are automatically selected. This is not true for some models because the file description is wrong.

Disable VPP: In many cases the cable doesn't have VPP, or it doesn't make good contact with the phone. This option will instruct the Application not to use VPP (in many cases this will lead to slower flashing).

Skip Bluetooth: In case of damaged bluetooth chip, flashing will fail. So this option let's you flash the phone without interacting with bluetooth chip.

Factory Settings : Reset to “Factory Default Settings” after flashing the phone.



When you start flashing:

after phone has entered bootstrap mode, the application will display:

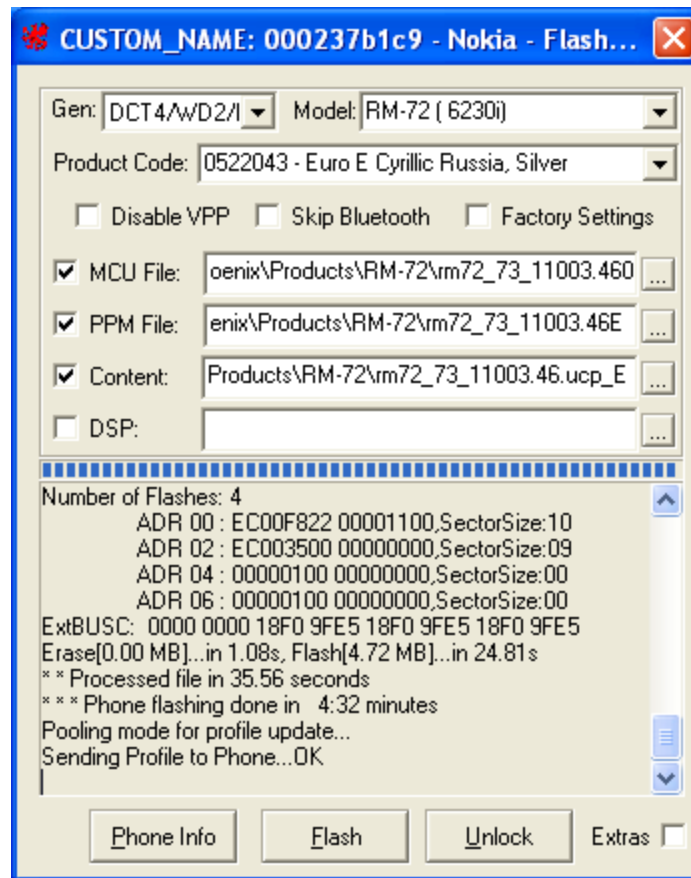
ASIC ID: the ID of the MCU (ASIC ID: 1052 in the example above)

Flash Configuration: Number of flash chips in phone, flash chip Ids, Sector size of flash chips, most significant byte of the address of the flash.

First 16 bytes of the first flash of the phone.

While erasing: While erasing, there is no indication of the progress of erasing. The only information you have is how much memory will be erased (15.56 Mega Bytes, in the exaple above). In case of error while erasing, the address where it couldn't;t erase should be shown. On some phones it is impossible to show at what address is the error, while erasing with VPP. So if there is error, select Disable VPP, and flash, in this way you will be able to see the address.

How long it should take to erase: approximately 10 seconds per megabyte (or less), so if it takes more then the box couldn't recover from error, disconnect box from PC and application will show the last known address of erasing.

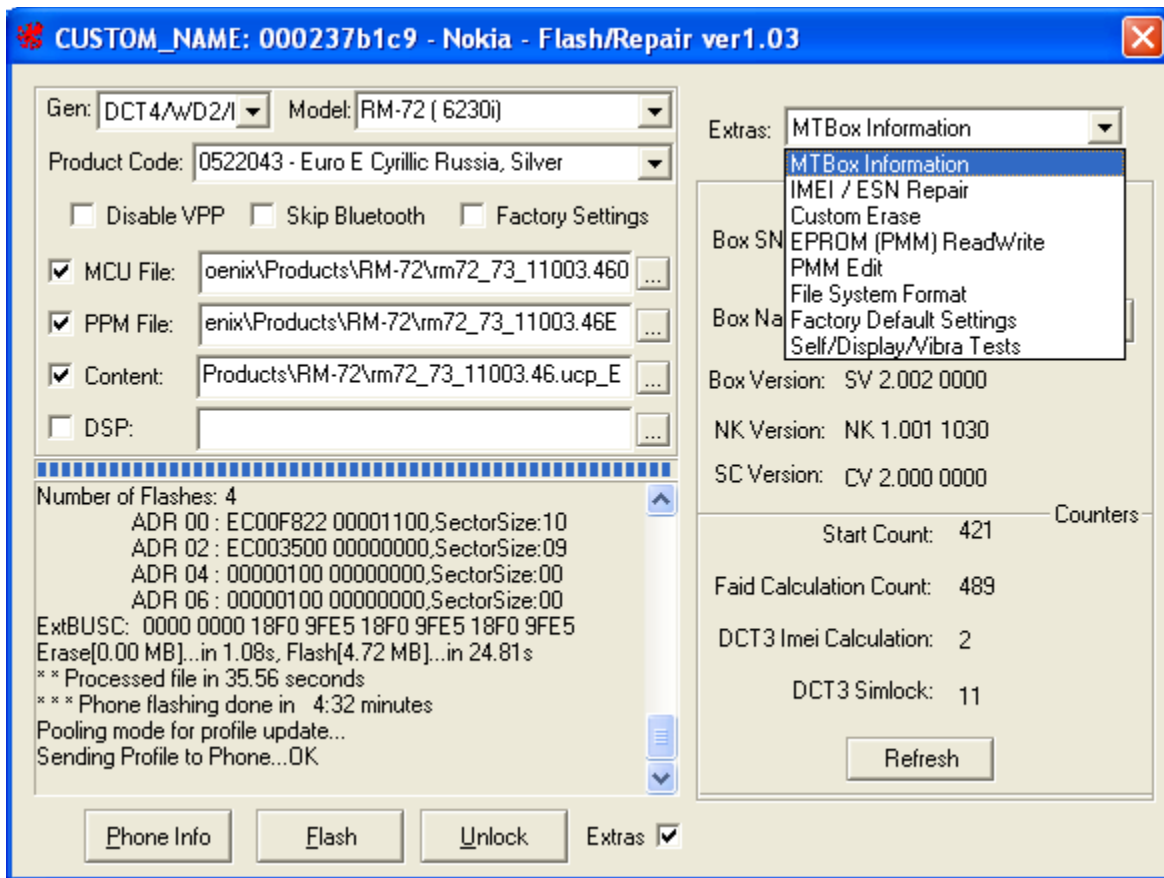


After flashing is finished, the application will show how much time it took. Beep a sound to alert the user that operation is finished. If product profile values are know send to phone (those come with the product code).

Unlock: press to unlock the phone.

Phone Info: display as much information as possible about the connected phone. This will also automatically load the model and product code for this phone.

Note: Unlock and PhoneInfo must be clicked only if the phone is connected to box, and powered on.

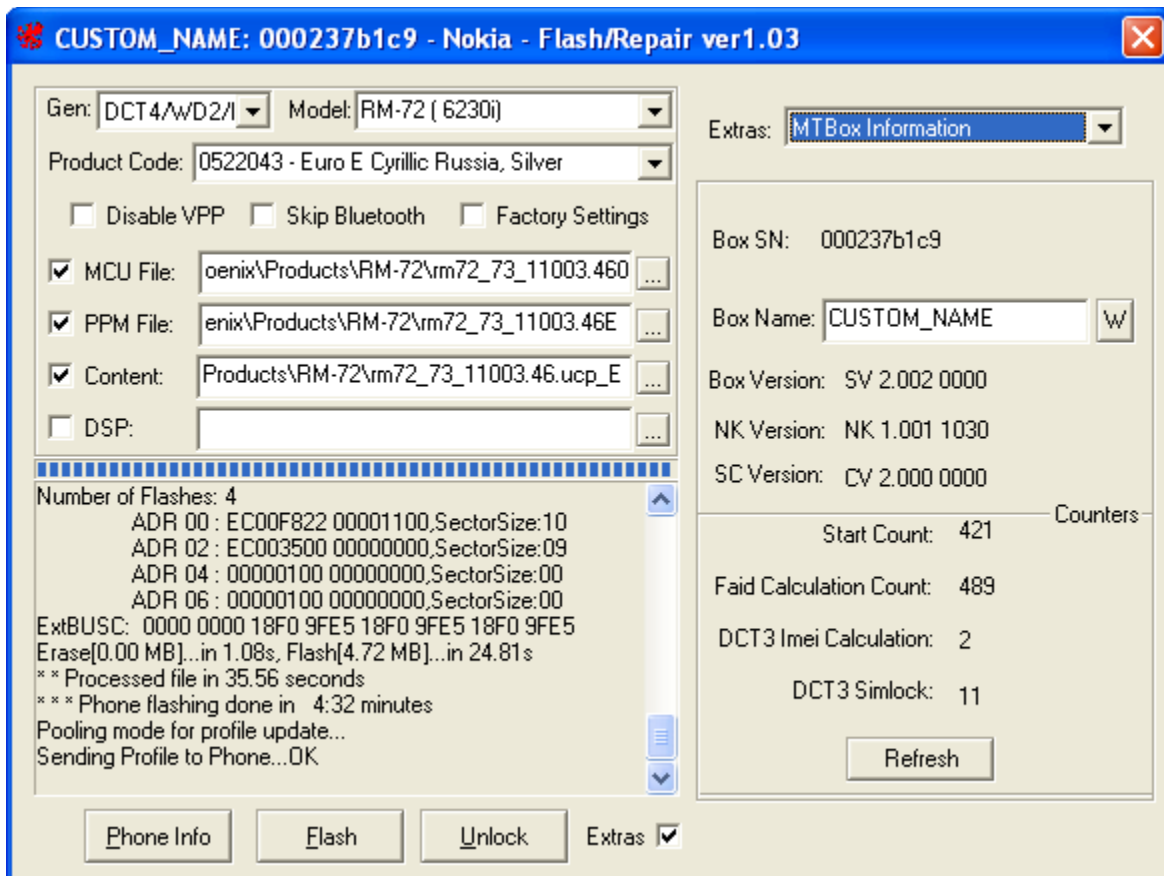


Extras: Those are useful tools to help service the phones. As those tools are used rare, by default they are hidden. If you want to use them, select the Extras checkbox. The application window will be expanded to display the available tools.

On top of the expanded area a list with the available tools will be displayed (combo box Extras).

Select the Tool you need and the options for it will be shown.

MOST OF THE EXTRAS TOOLS ARE WORKING ON DCT4/WD2/TIKU phones
IMEI FUNCTIONS, ERASE FUNCTION do not work on BB5 and DCT3 phones.
Only Full Factory Set works on DCT3 phones.



Information page: Serial Number of box.

User name of box. The owner of the box has the option to change that name. 'W' must be pressed to save the name.

Version information.

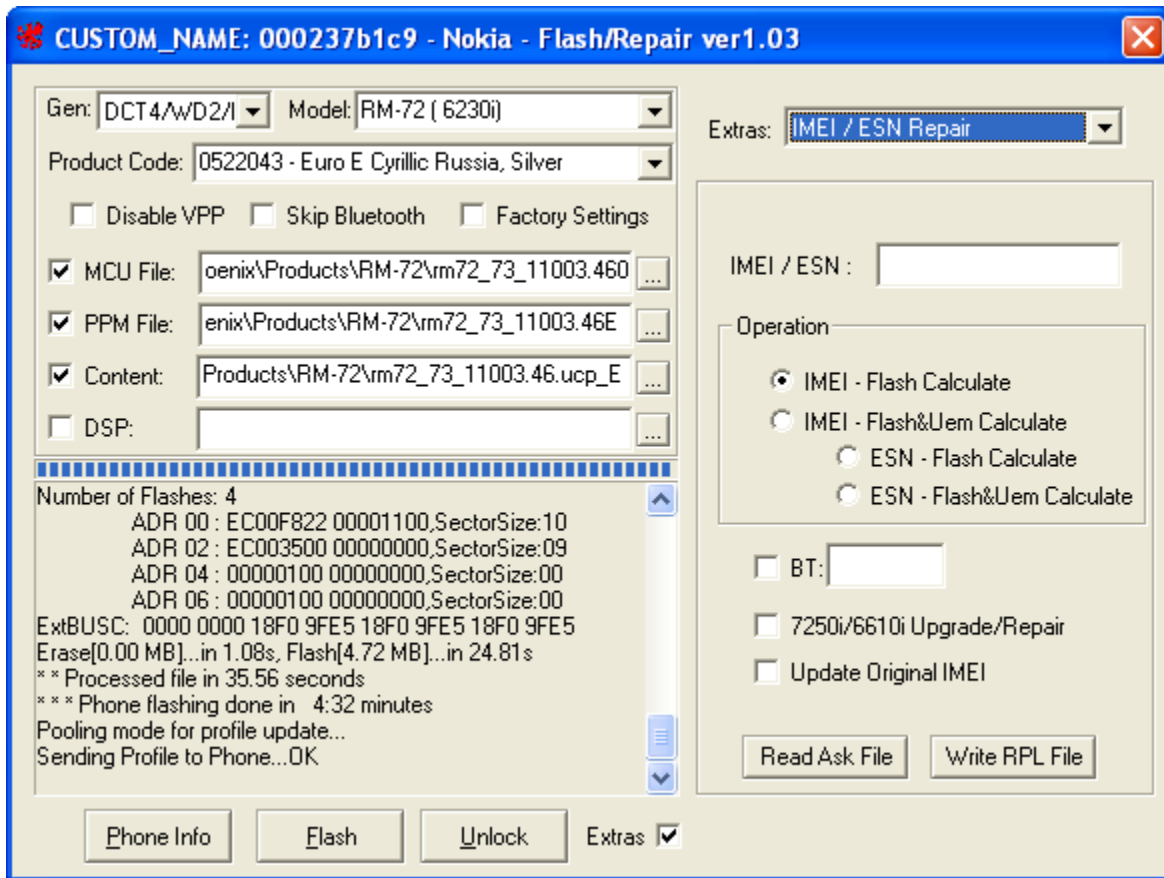
Start Count: how many times was software for nokia started.

How many calculations for Flash Authority were made.

How many DCT3 Imei calculations were made.

How many DCT3 unlock calculations were made.

This information is loaded when the application start. If you want fresh information press the refresh button.



Let's you create ASK files, and write RPL file, in order to repair the IMEI of your DCT4/Wd2/TIKU phone. While reading ask, the application will read the value that is contained in UEM, so even if the sticker on the back of the phone is damaged, you are still able to Repair the IMEI of the phone without changing UEM chip of phone.

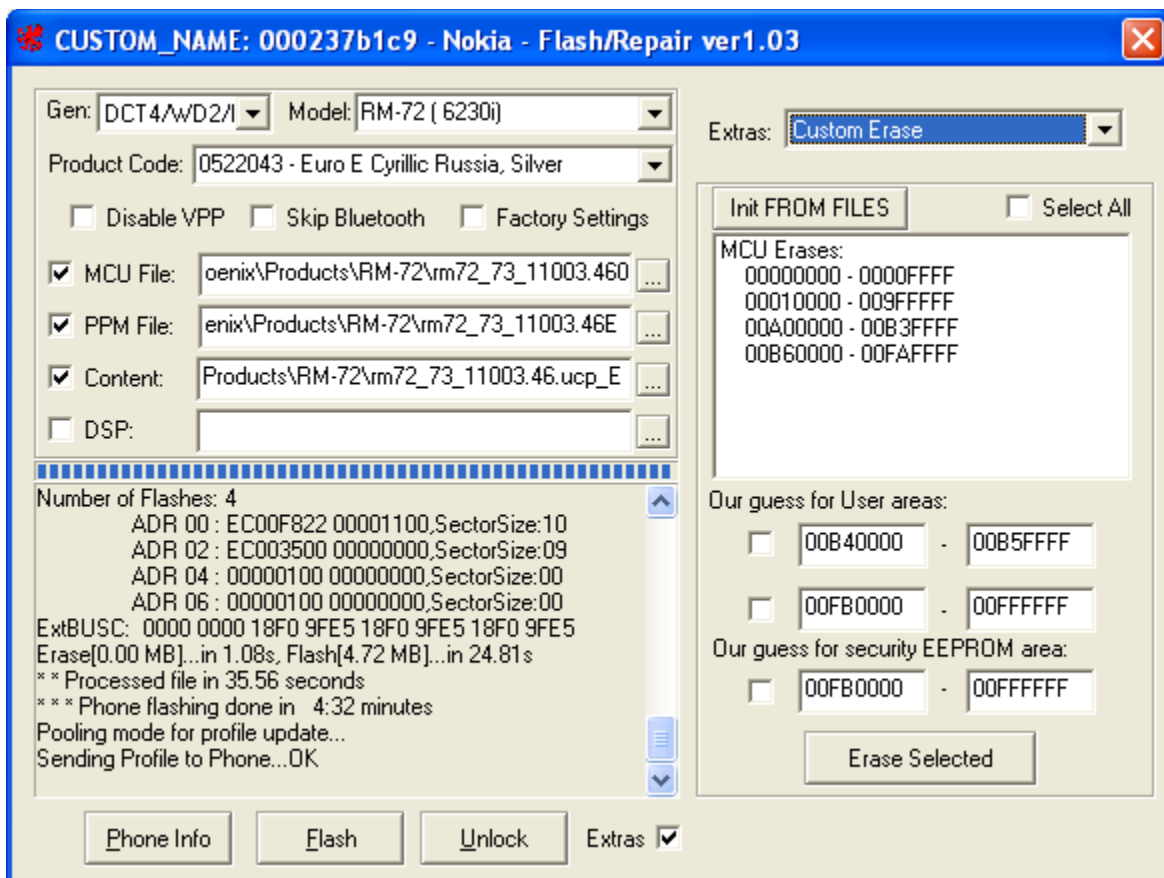
As the reading of the ask, and writing of RPL is done in flash mode, you will be shown the asic id, and flash configuration of the phone. This could be useful for diagnostics of damaged phone. Without trying to flash the phone, by pressing ReadAskFile you are able to see if

- UEM has valid value for IMEI
- What is the ASIC ID of the MCU in phone.
- What and how many flash chips are in phone.

BT: will request that MAC address for bluetooth chip is also generated

7250I: will request the repair of 7250i/6610i repair information be generated while generating RPL file.

Update Original IMEI: while repairing the phone, application will update the original IMEI field to value that is being written to phone.



NOTE : When first using this dialog for each model, the application has no valid information of the actual erase areas for User Data, and Security Data. So it will use an electronic algorithm to estimate where the areas could be. This algorithm successfully guesses for many models, but also failed to suggest correct values for some models. So use the suggest values on your own risk.

What you see on this page is: In the list box you see the erase definitions of the files currently selected for flashing (if you wish you could refresh the value by pressing 'InitFROM FILES').

You could select which of those to send to phone. (check box “Select All” could be used for mass select/unselect or areas).

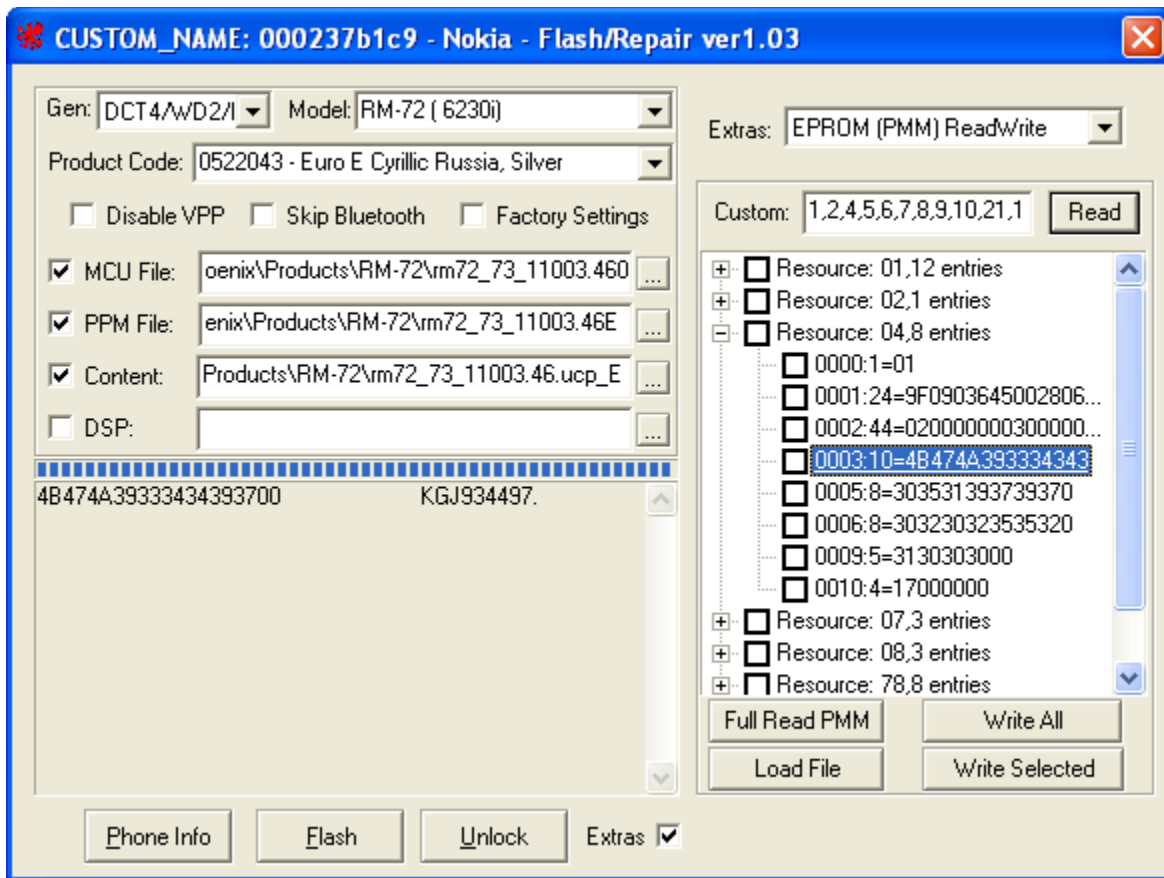
Controls below list box let's you define 3 additional erase areas to send to phone.

The automatic suggestion algorithm will estimate the areas where the phone stores user data . The last one is where we estimate the security eeprom is located. AS MENTIONED ABOVE WE DO NOT GUARANTEE THAT THOSE VALUES ARE CORRECT.

Using the Custom Erase may damage the IMEI of your phone or destruct important data that is needed for the phone to work correctly. So we recommend to use this box only to professionals that know what exactly to erase.

After pressing “Erase Selected” the application will store the custom values in INI file, so even if it suggested wrong values, next time it will suggest the values that were specified to it. In other words the best way to use this function is: first time enter correct values for the model, and after that use those values whenever “Custom Erase” is needed.

After pressing “Erase Selected” the selected areas will be erased on the connected phone.



This page lets you Read partion or full PMM settings of the phne.

Custom – specify the distinct resource you need read from phone. Much faster then full read. By default application initializes there the values for RF, Enerty, Simlock, and Backup of imei .

Read – will read the resource specified in Custom.

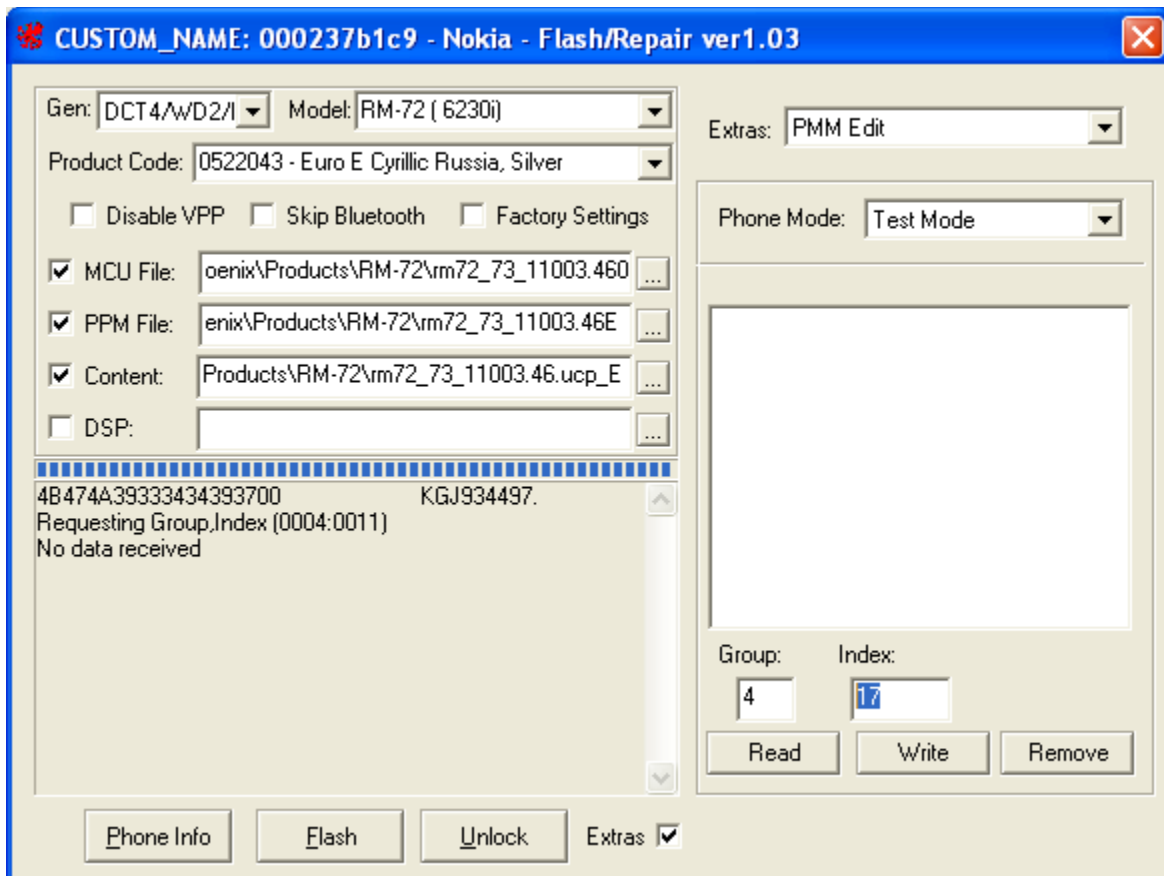
Full Read PMM: - read all available resources in the range 0 – 1000.

Load File - load PMM values from file.

Write all – Write all loaded values to phone.

Write Selected: Write only the values that are checked.

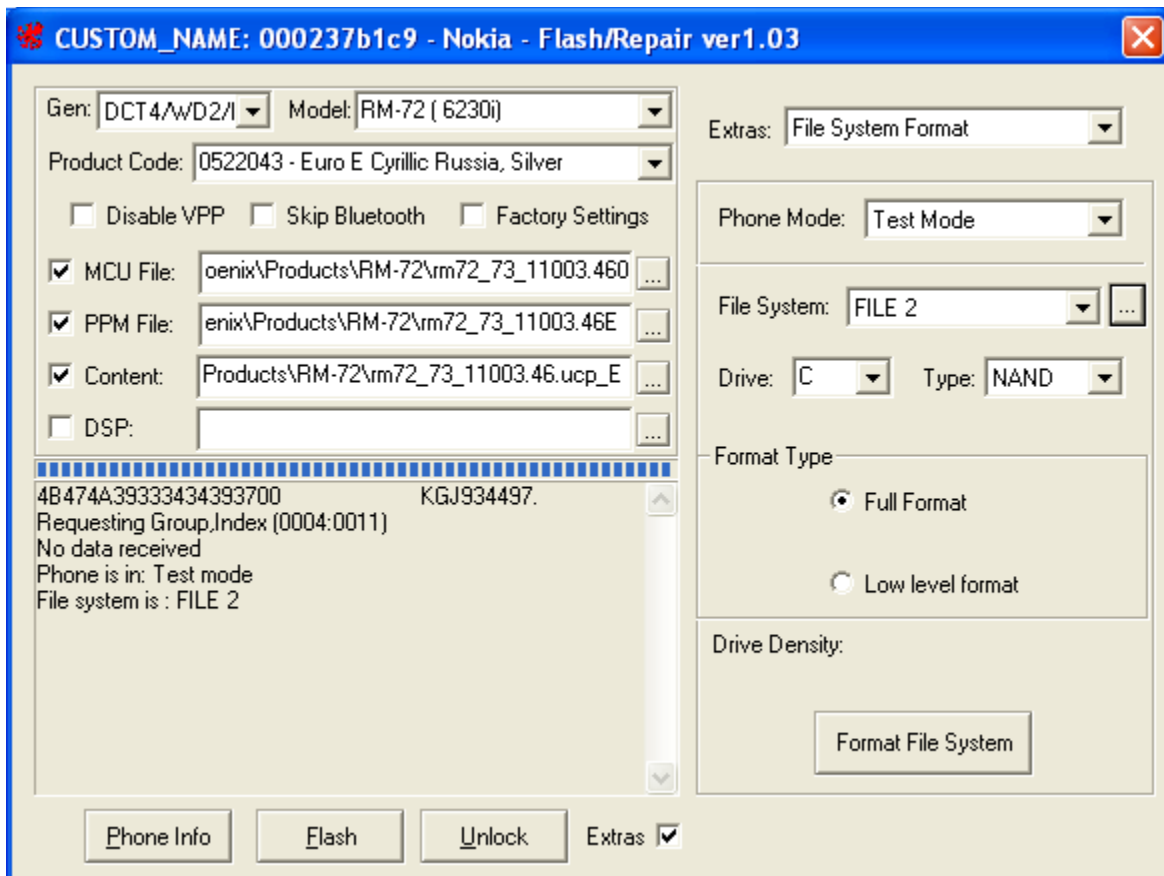
Note: make sure phone is connected and powered On, before using this tool.



PMM Edit: manage the same PMM as the previous tool, but you can specify distinct resource and index to read, change some data of it, and write it back.

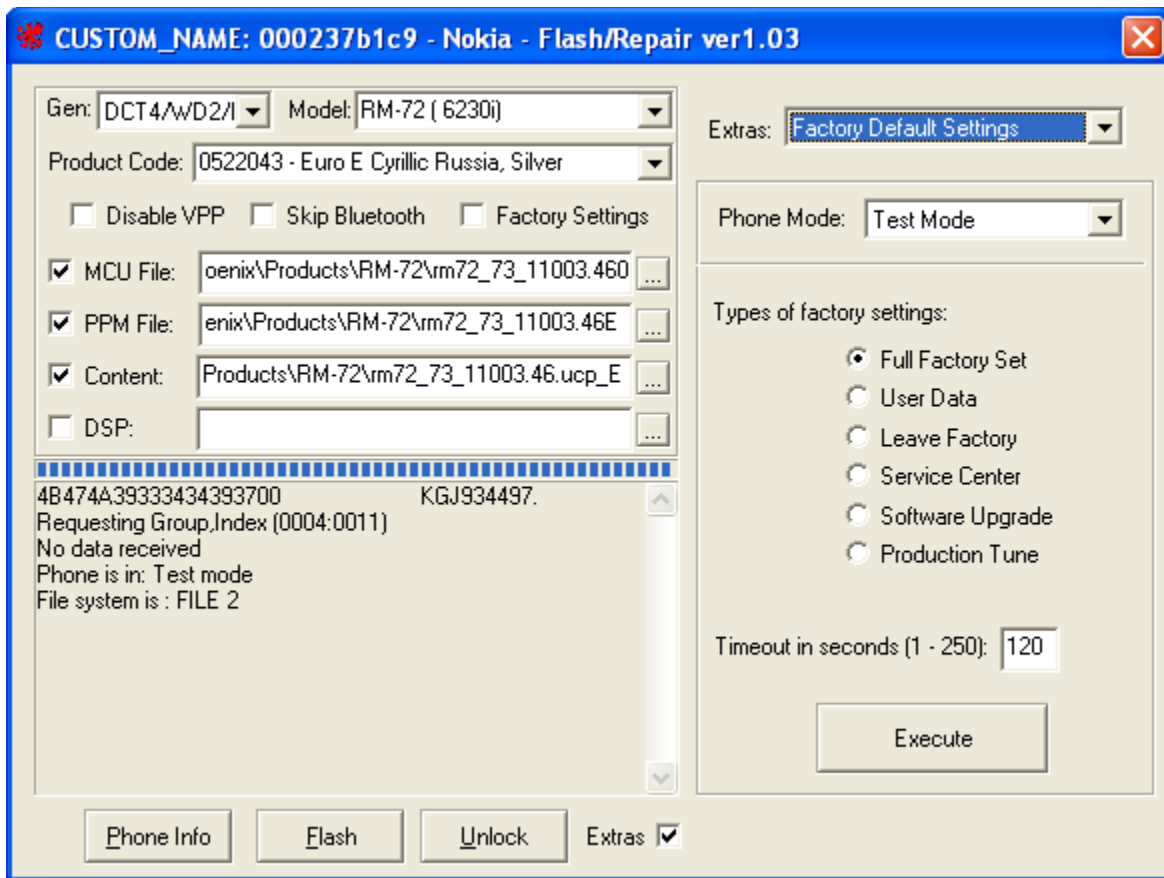
Also you could remove the index from the PMM of phone. Remove of index 4:17 is one of the techniques for repairing bluetooth of 6230,6230i.... As this is widely used technique the application by default loads the address of this index. So all you need to do in order to repair bluetooth is:

Connect and power on phone, Press Remove.

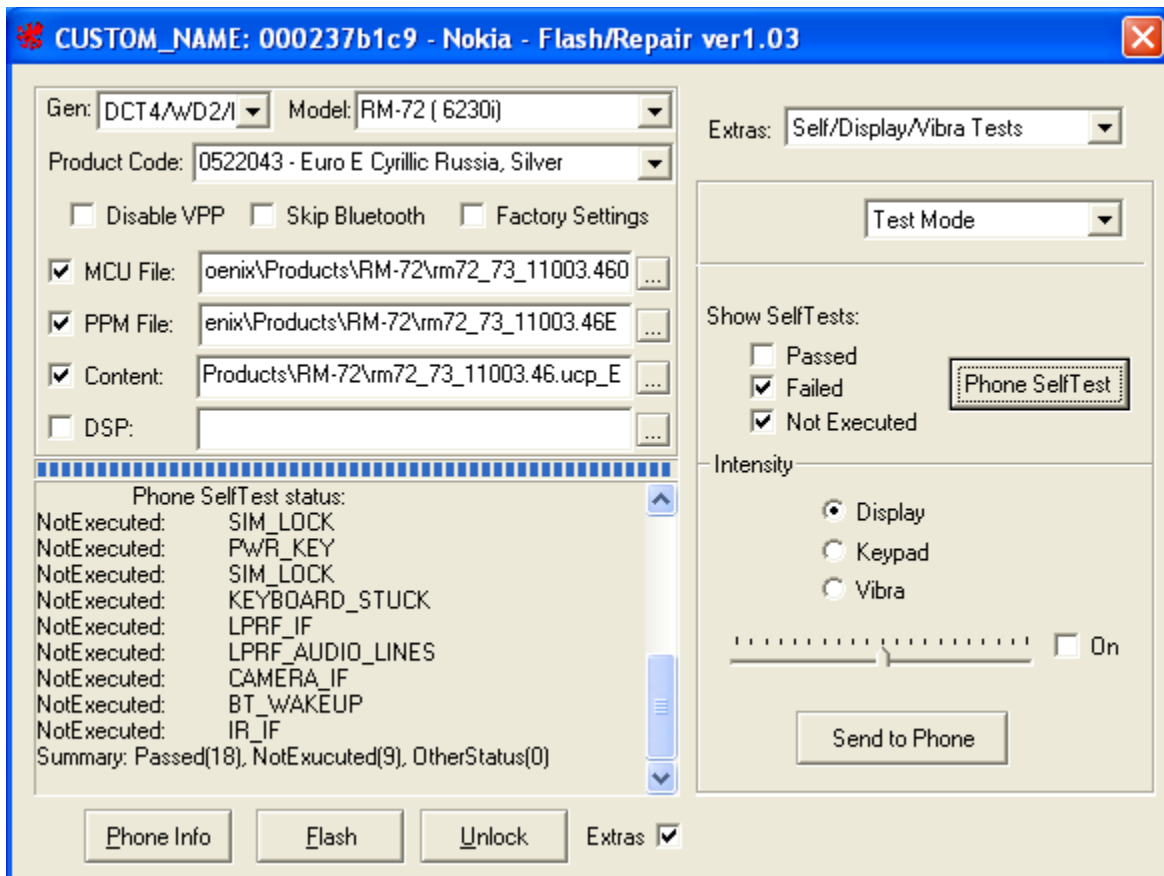


Many nokia phones has file system format, and othen this system gets damaged. Sometimes fomating the system is needed to repair the phone. On top you see the known mode of the phone. You could change the mode. Next to the FileSystems there is a browse button "...". When pressed it will contact the phone and query the file system of the phone, and what drives in has. After you could format the drives of the phone to correct values. When format is needed, and what drives to format varies on different phone models. So use your experience to repair phones using this tool.

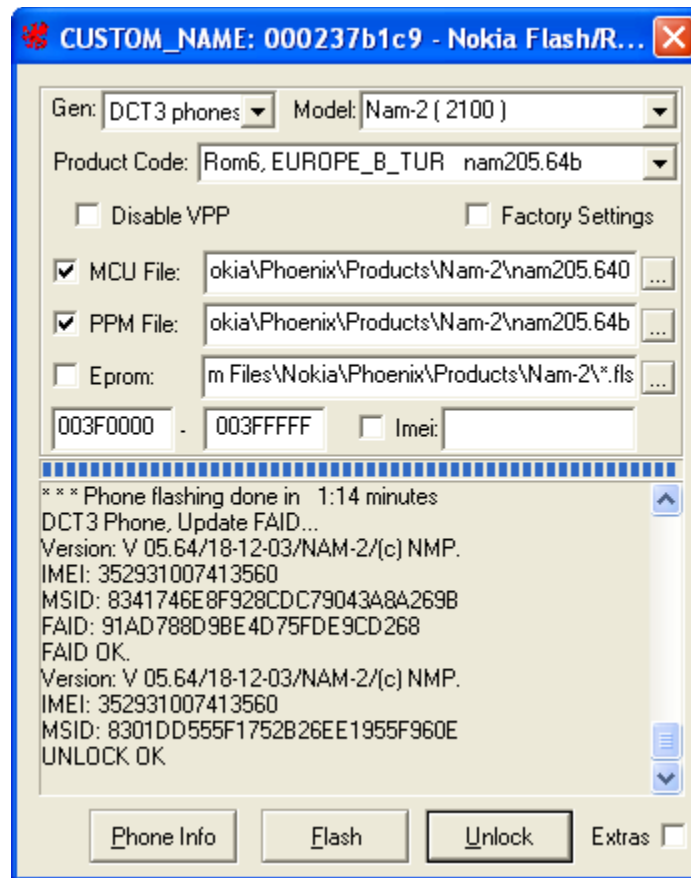
NOTE: formating some driver on phones may cose the loss of data, or default content of phone. Even damaging the phone to a state, that phone needs flashing in order to be operational again. SO AGAIN, USE THIS ONLY IF YOU ARE EXPERIANCED ENOUGH.



Choose what type of default settings you wish to set to phone, and press execute. As the time needed for execute varies on different models, you can specify the maximum time application will expect answer from phone. Default value is 2 minutes, in most cases this is enough to make full factory set of a WD2 phones, which are one of the slowest.



Checkboxes: Passed, Failed, Not Executed – let you specify which selftests to show.
Phone SelfTest will execute the selftest procedure, and show the results. Also show ONE line of summary so you could quickly notice the state of the phone.



This is exmple of DCT3 phone flashing.

ENJOY fast and stable flashing.