



► 4PDA > Другие устройства > Кнопочные телефоны > Телефоны - Обсуждение и прошивки

Бжашичек

Старожил

[offline]

Группа: **Постоянный**
Сообщений: 903
Регистрация: 23.12.19

Репутация: **13**

22.10.20, 00:33

Nokia 215 4G/225 4G - Обсуждение
Обсуждение

Сообщение [#1](#)

Спойлер (+) (Описание устройства)

Спойлер (+) (Характеристики устройства)

Спойлер (+) (Полезное)

По вопросам наполнения шапки обращайтесь к модераторам раздела, отправив "Жалобу" на сообщениях, ссылки на которые необходимо добавить.

Сообщение отредактировал **Uncle** - 28.07.25, 18:56

Причина редактирования: Как добавить web приложение в Cloud App

ЖАЛОБА В FAQ ИМЯ ЦИТИРОВАТЬ

Anamorphiz

SamSGH600-Nok3410-SiemC60-SE

[offline]

Группа: **Постоянный**
Сообщений: 404
Регистрация: 23.06.08

Репутация: **17**

06.02.25, 20:20

Такой вопрос, как нужно форматировать VCF, чтобы его не козявило при импорте? как не тосую поля, все равно все поля собираются в фамилию, еще и без пробелов. Около 500 контактов - нет никакого желания все руками править. Импорт Android так же коряво работает.

Сообщение [#2162](#)

Цитата (Anamorphiz @ 06.02.25, 20:20)

Такой вопрос, как нужно форматировать VCF, чтобы его не козявило при импорте? как не тосую поля, все равно все поля собираются в фамилию, еще и без пробелов. Около 500 контактов - нет никакого желания все руками править. Импорт Android так же коряво работает.

В параметрах контактов - Сортировать по имени или по фамилии

Motorola E365->SE K750->SE K790->SE G700->SGS->Galaxy S III Neo->Moto M->Lenovo Z5s->Xiaomi Redmi 9T->Poco M6(+Nokia 215 2020)

ЖАЛОБА В FAQ ИМЯ ЦИТИРОВАТЬ

Hikos

Бывалый

[offline]

Группа: **Постоянный**
Сообщений: 456
Регистрация: 14.12.10

Репутация: **75**

06.02.25, 22:47

Сообщение [#2163](#)

ЖАЛОБА В FAQ ИМЯ ЦИТИРОВАТЬ

Anamorphiz

06.02.25, 23:05

Сообщение [#2164](#)

https://4pda.to/forum/index.php?showtopic=1007593&st=2160#entry135203855

1/48



SamSGH600-Nok3410-SiemC60-SE
[offline]

Группа: Постоянный
Сообщений: 404
Регистрация: 23.06.08

Репутация: 17

Hikos, не, это так не работает. При синхронизации с андроид или просто при передаче файла контактов имена и фамилии склеиваются в одно слово без пробела в поле фамилия. Если было занято поле отчество, то вообще хаос из букв.

- ↑
- ЖАЛОБА
- В FAQ
- ИМЯ
- ЦИТИРОВАТЬ

SEfun007

07.02.25, 00:26

Сообщение #2165



Местный
[offline]

Группа: Постоянный
Сообщений: 315
Регистрация: 17.06.23

Репутация: 6

Цитата (Anamorphiz @ 06.02.25, 20:20) тосую поля

Давно уже привычка написания: Иванов_Иван в одном поле. И пох, как телефон тасует.

- ↑
- ЖАЛОБА
- В FAQ
- ИМЯ
- ЦИТИРОВАТЬ

Anamorphiz

07.02.25, 09:25

Сообщение #2166



SamSGH600-Nok3410-SiemC60-SE
[offline]

Группа: Постоянный
Сообщений: 404
Регистрация: 23.06.08

Репутация: 17

SEfun007, безумно рад за вас. А остальным что делать? Молчу уже за поля организация, должность и день рождения.

- ↑
- ЖАЛОБА
- В FAQ
- ИМЯ
- ЦИТИРОВАТЬ

marqizesf

07.02.25, 13:44

Сообщение #2167

Посетитель
[offline]

Группа: Активный
Сообщений: 16
Регистрация: 19.10.22

Apple iPhone 12

Репутация: 0

Anamorphiz, поля день рождения , организация , ни разу не видел чтоб кто то заполнял 😊. На кнопочном телефоне такое не нужно делать

- ↑
- ЖАЛОБА
- В FAQ
- ИМЯ
- ЦИТИРОВАТЬ

SEfun007

08.02.25, 08:51

Сообщение #2168



Местный
[offline]

Группа: Постоянный
Сообщений: 315
Регистрация: 17.06.23

Репутация: 6

Цитата (Anamorphiz @ 07.02.25, 09:25) А остальным что делать?

Думать заранее.

ЖАЛОБА

В FAQ

ИМЯ

ЦИТИРОВАТЬ

vlad180800

📄 09.02.25, 15:03

Сообщение #**2173**

Новичок

[offline]

Группа: Активный
Сообщений: 37
Регистрация: 30.01.17
Samsung Galaxy Z Flip 3
Репутация:

0

Цитата (Insulin1 @ 08.02.25, 22:54)

действительно смешно

Ничего смешного, просто нет подобных аналогов с разъемом USB Type-C и 4G связью без камеры и мультимедийных функций. Да, прошивка кривовато, но качество сборки и в принципе сама реализация куда более лучше, чем такой же BQ Tank SE или же Maxvi T20, где разговорный динамик вообще как консервная банка, ничего не слышно. Nokia 105 не нравится из за маленького дисплея и MicroUSB разъема.

P.S. у нас многие ходят с Nokia 105, и постоянно путаешься чей телефон звонит, а там хоть рингтоны отличительные

Сообщение отредактировал **vlad180800** - 09.02.25, 15:05

ЖАЛОБА

В FAQ

ИМЯ

ЦИТИРОВАТЬ

Hikos

Бывалый

[offline]

Группа: Постоянный
Сообщений: 456
Регистрация: 14.12.10
Репутация:

75

09.02.25, 18:03

Сообщение [#2174](#)

Цитата (Someone12. @ 09.02.25, 11:07)

Someone12.

С нокией 215 (2020) я сам разобрался

Motorola E365->SE K750->SE K790->SE G700->SGS->Galaxy S III Neo->Moto M->Lenovo Z5s->Xiaomi Redmi 9T->Poco M6(+Nokia 215 2020)

ЖАЛОБА

В FAQ

ИМЯ

ЦИТИРОВАТЬ

Insulin1

Гуру

[offline]

Группа: Постоянный
Сообщений: 2475
Регистрация: 05.10.11
Репутация:

368

09.02.25, 19:19

Сообщение [#2175](#)

Цитата (vlad180800 @ 09.02.25, 15:03)

нет подобных аналогов с разъемом USB Type-C

на нём мир клином сошёлся? на выбор:

- двусторонний микроюсб это тот же самый тайп-си
- магнитный кабель с разными насадками

вы притягиваете за уши несуществующую проблему, чтобы оправдать бессмысленность покупки

Одинокий - это тот чел, у которого только одна Нокия

ЖАЛОБА

В FAQ

ИМЯ

ЦИТИРОВАТЬ

SEfun007

Местный

[offline]

Group: Regular
Posts: 315
Registration: 06/17/23
Reputation:

6

09.02.25, 21:19

Сообщение [#2176](#)

Цитата (Insulin1 @ 02/09/25, 19:19)

You are bringing up a non-existent problem to justify the pointlessness of the purchase.

Exactly.

Even 4G itself is not needed for a push-button phone yet.

COMPLAINT

In FAQ

NAME

QUOTE

vlad180800

Newbie

[offline]

Group: Active
Posts: 37
Registered: 01/30/17
Samsung Galaxy Z Flip 3
Reputation:

0

10.02.25, 01:24

Message [#2177](#)

Цитата (Insulin1 @ 02/09/25, 19:19)

1. Double-sided micro USB is the same as Type-C

2. Magnetic cable with different attachments

1 big argument is that all the devices I have have a USB Type-C connector, and keeping a Micro USB for one device is not a very convenient solution, especially when you charge your phone once a week, or even less often, depending on the use, the cable or charger is constantly lost, and the Type-C is always with you

Added 02/10/2025, 01:28:

Цитата (SEfun007 @ 02/09/25, 21:19🗨️)

Exactly

I won't argue here, but from time to time it's a useful feature in terms of use, when this device is mainly for calls, and the smartphone is already for entertainment. I think it's clear that the phone is used in the army, and in our facility all such features like the Internet, camera, multimedia are prohibited. I can walk, but suddenly they'll check and give me a slap on the wrist for this

- ⬆
- COMPLAINT
- in FAQ
- NAME
- QUOTE

zuyj

🕒 10.02.25, 23:51

Message #2178

Local

🟡🟢🟢🟢🟢
[offline]

Group: Regular

Posts: 292

Registration: 27.02.10

Reputation: 78👍🟢



Customization and personalization of firmware

Nokia 215 4G (2020) | Nokia 225 4G (2020)

Nokia 215/220 4G (2024) | Nokia 225 4G (2024) | Nokia 235/3210 4G (2024)

(useful information, utilities, firmware files, customization methods)

Спойлер (–) (Recommended utilities and firmware for customization) #

📄 [hxdsetup.rar](#) (3.19 MB)
or download [here](#)

📄 [SPD_Research_Tool_R27.23.1902.rar](#) (11.3 MB)

📄 [SPD_Driver_R4.20.4201.rar](#) (20.18 MB)

📄 [resover.rar](#) (1.58 MB)

Ghidra: [download](#)

SPD_Research_Tool_R27.24.2301: [download](#)

Hexadecimal Web Calculator: [here](#)

Paint (Windows): search on your PC.

3210-TA-1618_11.00.17.00_IconDS_QB_16ICN18HK00_GF025_0409: [download](#)

215/220-TA-1613_11.00.17.00_BasicDS_QB_16QN3B13HK00_GF026_0409: [download](#)

Nokia 225 4G (2020) DS Software: 17.00.17.02: [download](#)

Заккрыть

Спойлер (–) (Possibilities of the posted software to customize firmware) #

SPD_Research_Tool

Features:

- installing firmware in .pac format;
- unpacking firmware in .pac format;
- packing firmware files into .pac format;
- backup firmware partitions from the device.

HxD Hex Editor

What features does the HxD Hex Editor utility give us?

The hexadecimal editor HxD Hex Editor (or other Hex utilities) is used to edit data in which this data is presented as a sequence of bytes. Using the Hex editor, you can change the values of string and numeric constants hard-coded into the program code, if you correctly determine their location.

That is, using the editor we can open the firmware file of the nvitem.bin type ("ums9117_240X320BAR_64MB_NQ2_VD_SEC_nvitem_EA_23QEN76LV00.bin" or "FF639V01_64X128_QVGA_CF8_Q3_SKU2_DS_BASIC_nvitem_QB_16QN3B13HK00.bin") and find and edit the code responsible for any function of the phone. Not much is known yet. And depending on the firmware versions, the location of the code we need may differ.

ResOver

What capabilities does the ResOver utility give us?

The utility is used to open the firmware file of the "mmi_res_240X320_XX.bin" type.

Features:

- extract images and backfill edited images
- extract text strings and backfill edited strings
- change the color of text strings

Ghidra

Requires Java-21 to run. More details later.

Preliminary features of the Ghidra utility:

- work with text in binary files

- work with images in binary files.
For screenshots, see the post by Darkar25

Заккрыть

Спойлер (–) (Backup. How to merge firmware partitions from a phone) #

Required software: SPD_Research_Tool_R27.24.2301

Please note that a newer version of SPD_Research_Tool_R27.24.2301 will be used to make a backup instead of SPD Research Tool R27.23.1902. This is due to the fact that in the settings of version 23 of the program, the **"Repartition"** item does not work clearly, it is constantly on (even if you disable it). If you do not want to get a half-brick, this item, especially during backup, must be **disabled** .

Step No. 0 Preparing the device:

- to completely reset the device, enter the code: * # 7370 # ;
- after cleaning, the phone will start to turn on;
- the "Nokia" splash screen will appear;
- the language selection menu will open;
- at this stage, remove the battery from the device;
- install the battery back into the tray;
- do not turn on!!!!
- the device is ready to dump the backup.

Step #0 is mandatory. This procedure will allow you to install the merged firmware files:

- EXEC_USER_IMAGE.bin;
- EXEC_KERNEL_IMAGE.bin

on "non-native" devices (with the same firmware version).

Please note: in order for the merged backup files to then fully work, you must merge the backup from a device on which the official firmware is installed (without software intervention) and with the mandatory procedure described above in step #0. If these conditions are not met, the merged files:

- EXEC_USER_IMAGE.bin;
- EXEC_KERNEL_IMAGE.bin

may cause a bootloop when installed on the phone.

Step #1

- download and install the recommended utility;
- install drivers;
- download recommended firmware.

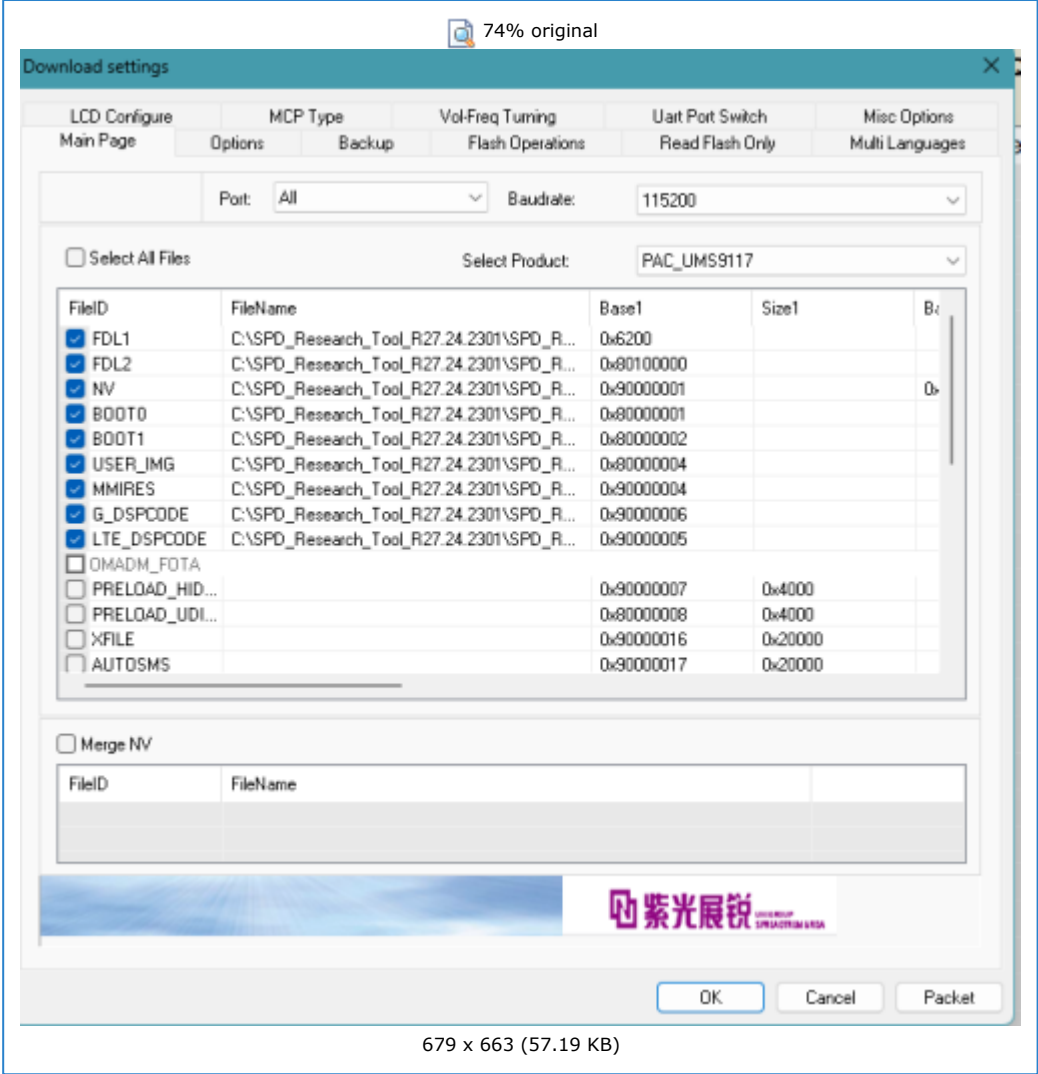
Step No. 2

- launch the SPD Research Tool R27.24.2301 utility and click the "Load packet" button (the button with a large gear);
- select the required firmware version "*.pac" and confirm;

Next, in order not to get confused (and not get a half-brick later), follow all the steps in sequence:

- click the "Setting" button (the button with two gears), the "Download setting" window will open;
- in this window, select the "Main Page" tab;

Спойлер (–) #

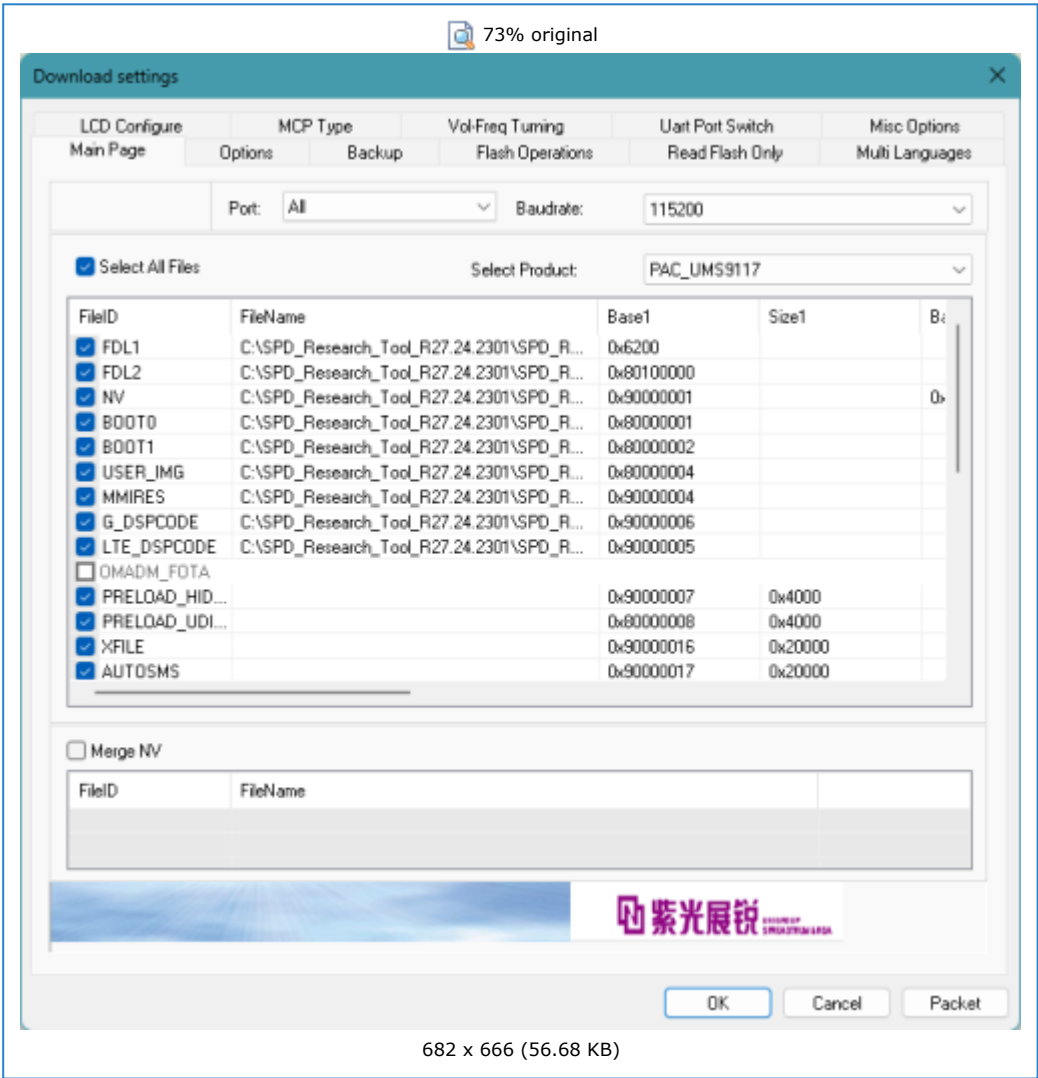


Заккрыть

- check the box next to "Select All Files";

Спойлер (–)

#

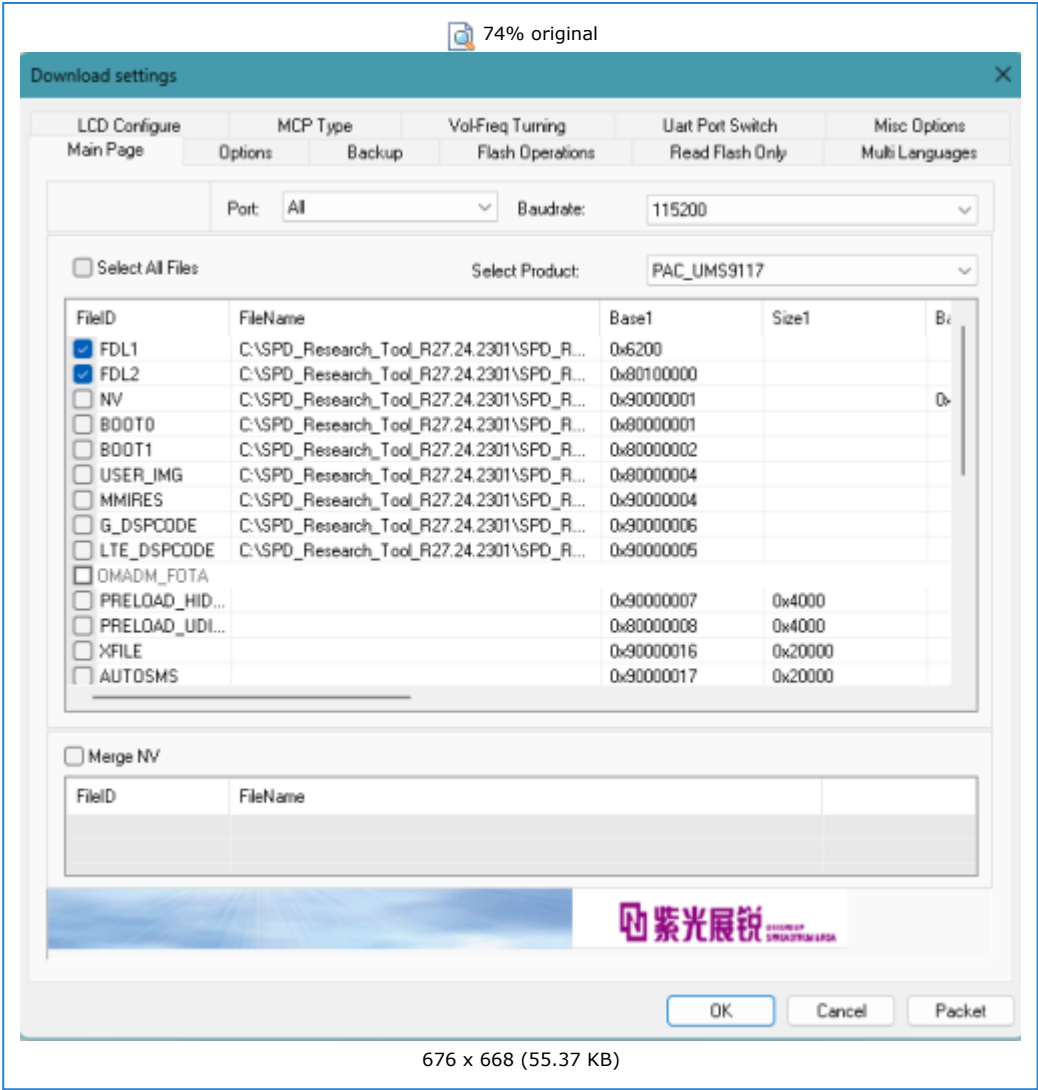


Заккрыть

- remove the check mark next to the item "Select All Files";
- the following items should remain checked: "FDL1 and "FDL2";

Спойлер (–)

#

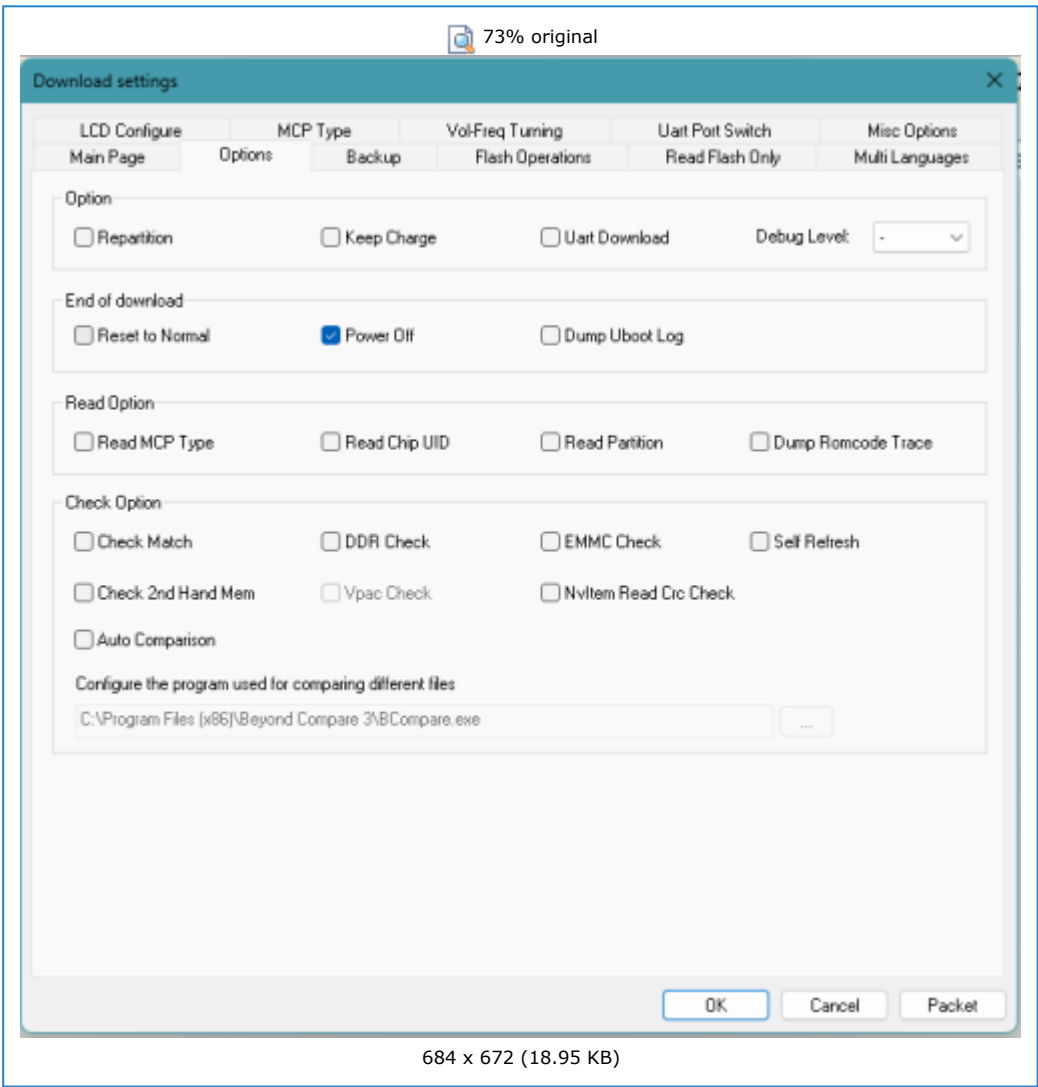


Закреть

- select the "Options" tab;
- check the "Power off" box;
- REMOVE!!! the checkbox next to the "Repartition" box;

Спойлер (–)

#

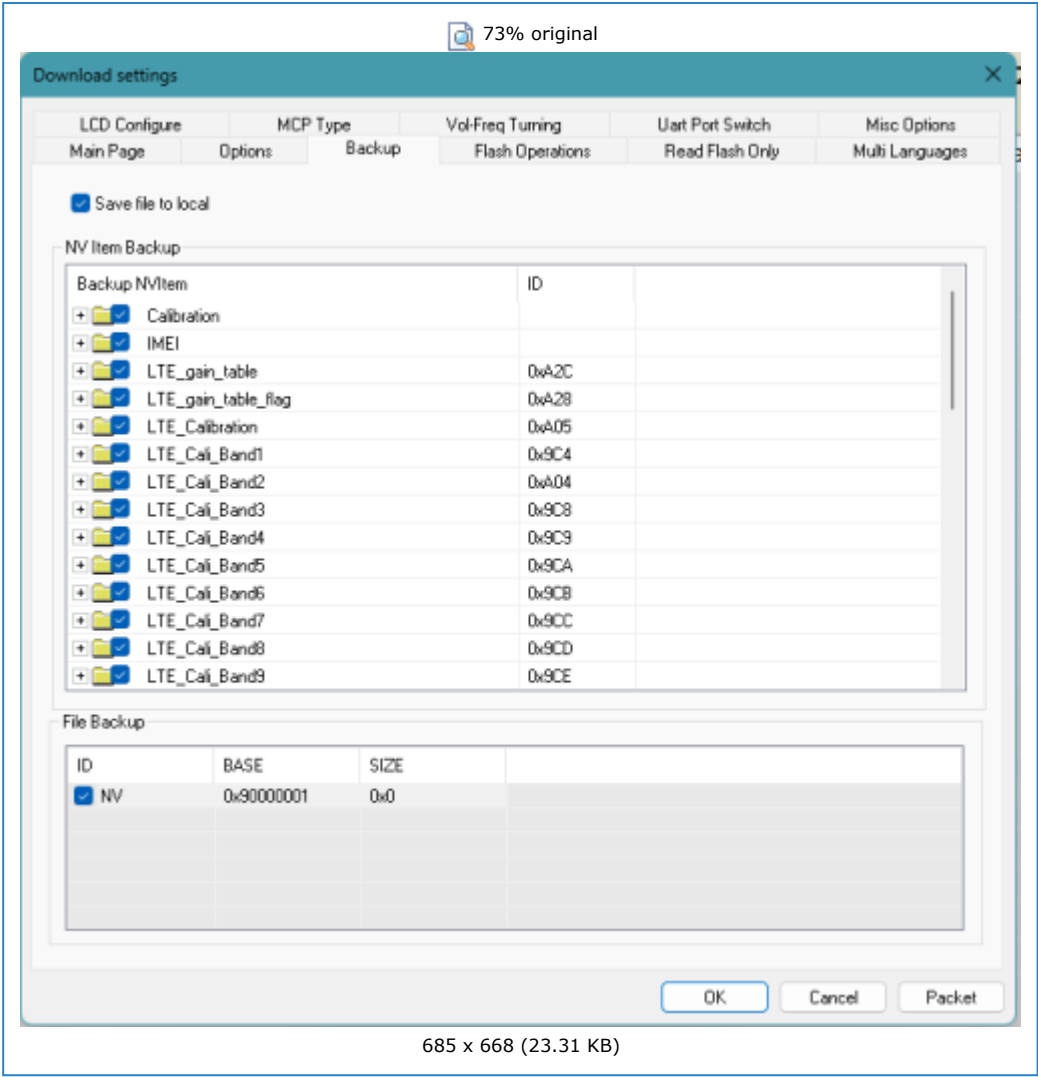


Закреть

- select the "Backup" tab;
- check the "Save file to local" box;

Спойлер (–)

#

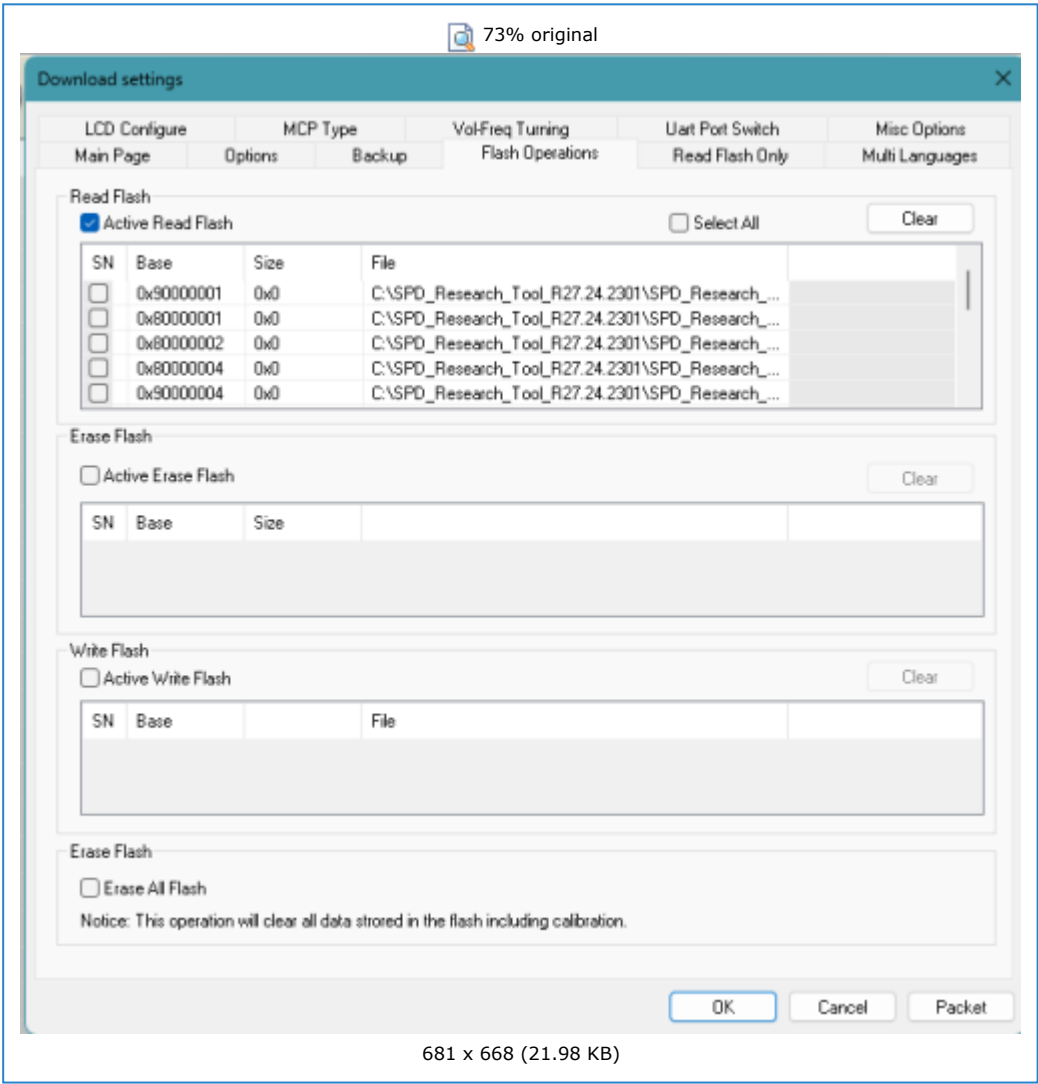


Заккрыть

- press the "Ok" button;
- press the "Setting" button (the button with two gears), the "Download setting" window will open;
- select the "Flash Operations" tab or the "Read Flash Only" tab;
- check the "Active Read Flash" item;

Спойлер (–)

#

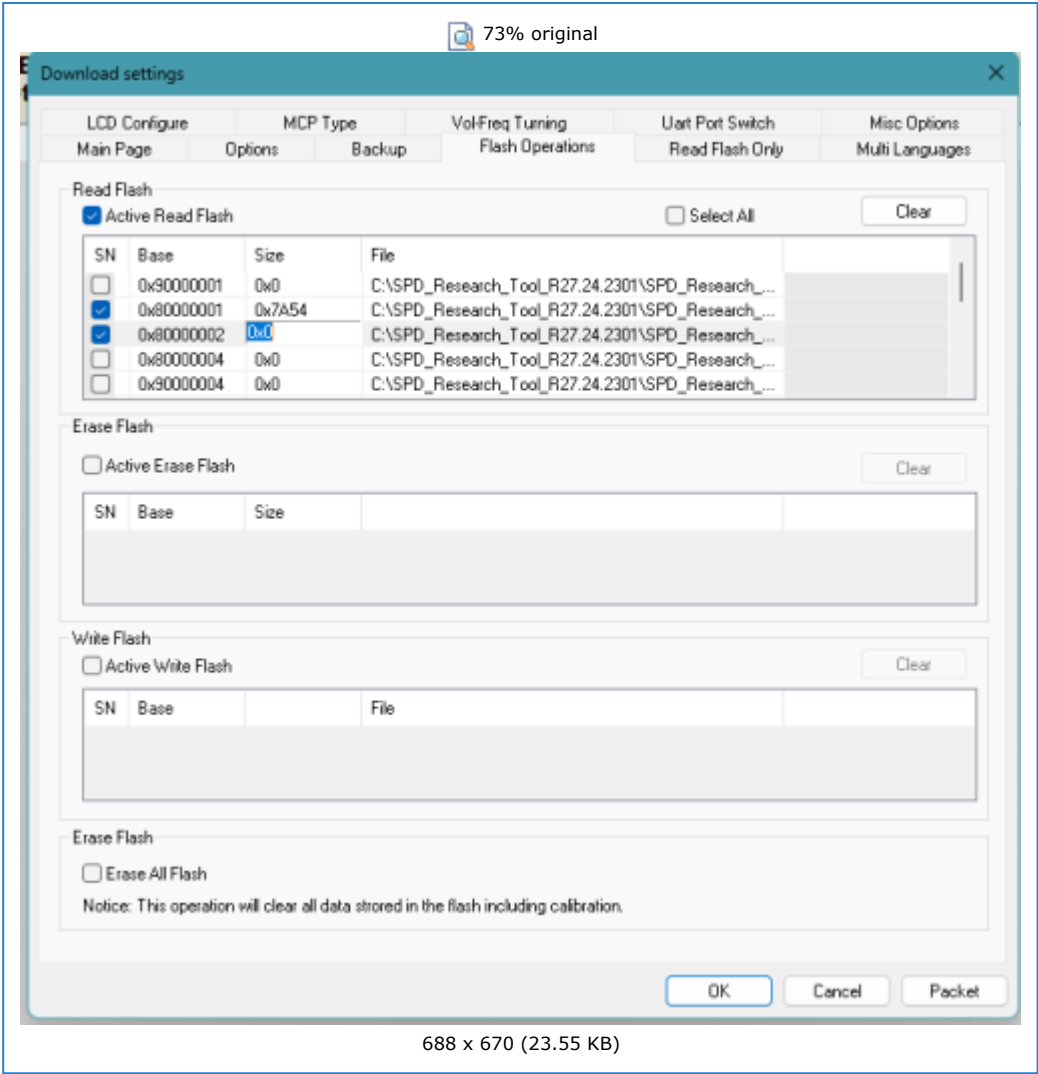


Заккрыть

- check the boxes next to the required sections (see the list below under the spoiler);
- double-click the mouse in the "Size" column next to each marked firmware block;

Спойлер (–)

#



Заккрыть

- enter the block size in hexadecimal format;

Then be very careful! The size starts with 0X..... (zero and a small letter "x" of the Latin alphabet. Then write the size in hexadecimal without spaces.

- when finished, click the "Ok" button.

Attention!!!
Blocks of regional firmware sections have different sizes. If you use the block sizes of non-native firmware to remove the backup, keep in mind that the merged backup may be "non-working" and cause a bootloop when installing it!

Sections of the recommended firmware 17.00.17.02 (EA_23QEN76LV00), their addresses, hexadecimal sizes for Nokia 225 4G (2020):

Спойлер (+) #

Firmware sections 17.00.17.00 (EI_23QEN72RU00), their addresses, hexadecimal sizes for Nokia 215 4G (2020):

Спойлер (+) #

Recommended firmware sections 11.00.17.00 (QB_16QN3B13HK00), their addresses and hexadecimal sizes for Nokia 215 4G (2024):

Спойлер (+) #

Recommended firmware sections 11.00.17.00 HK, their addresses and hexadecimal sizes for Nokia 3210 4G (2024):

Спойлер (+) #

Firmware sections 15.00.17.00 (EI_ 16QN3B13RU00), their addresses, hexadecimal sizes for Nokia 215/220 4G (2024) from user SO4HbIY:

Спойлер (-) #

[Nokia 215 4G/225 4G - Discussion \(Post SO4HbIY #138534361\)](#)

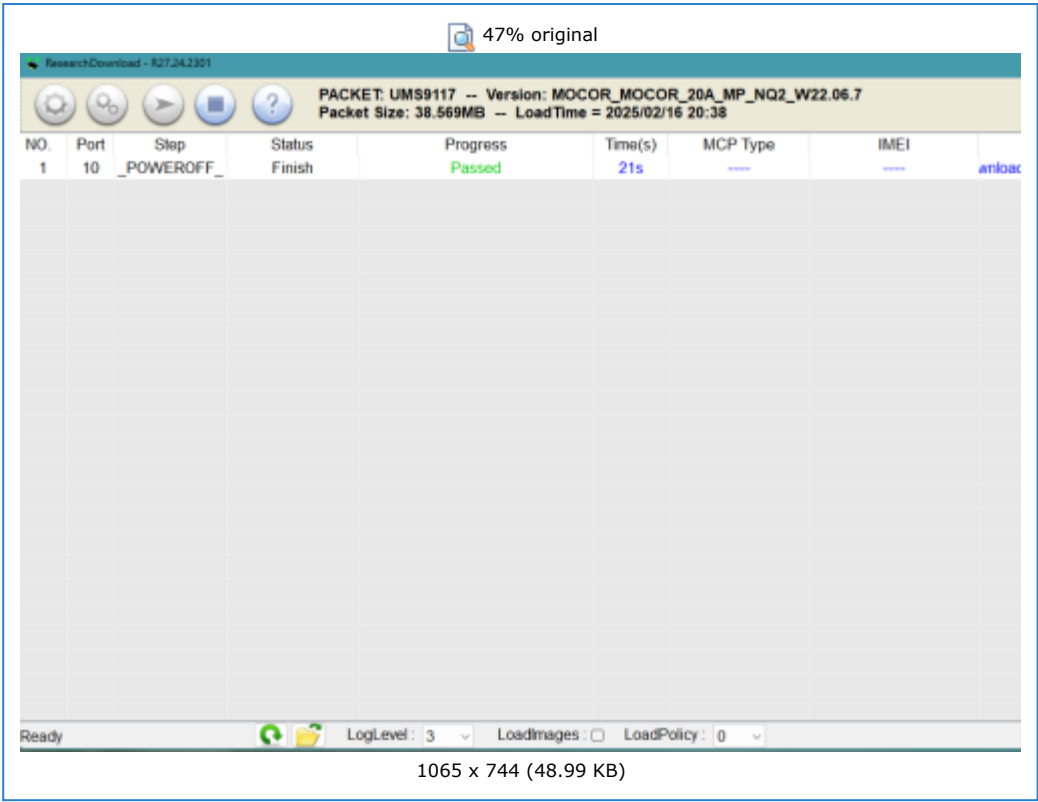
Заккрыть

Step #3

- in SPD Research Tool R27.24.2301 press the "Start downloading" button (the button with the arrow pointing to the right);
- remove the battery from the phone and put it back in, do not turn on the phone;
 - with the phone turned off, press and hold the "LSB" button ("Left software button" is located just above the "Call" button) for Nokia 215/225 4G (2020);
 - with the phone turned off, press and hold the "*" button ("Star") for Nokia 215/220/225/235/3210 4G (2024);
 - connect the cable;
 - a little later, after the firmware reading process starts, you can release the button on the phone;
 - after the reading process is complete, stop the program with the "Stop" button and disconnect the cable;

Спойлер (–)

#



Заккрыть

- turn on the phone.

If the utility for some reason showed an error, do not be alarmed. I hope you have already unchecked the box next to the "Repartition" item. Next, you need to press the "Stop" button, disconnect the cable, jerk the battery and turn on the phone. Then start all over again. Be sure to restart the utility.

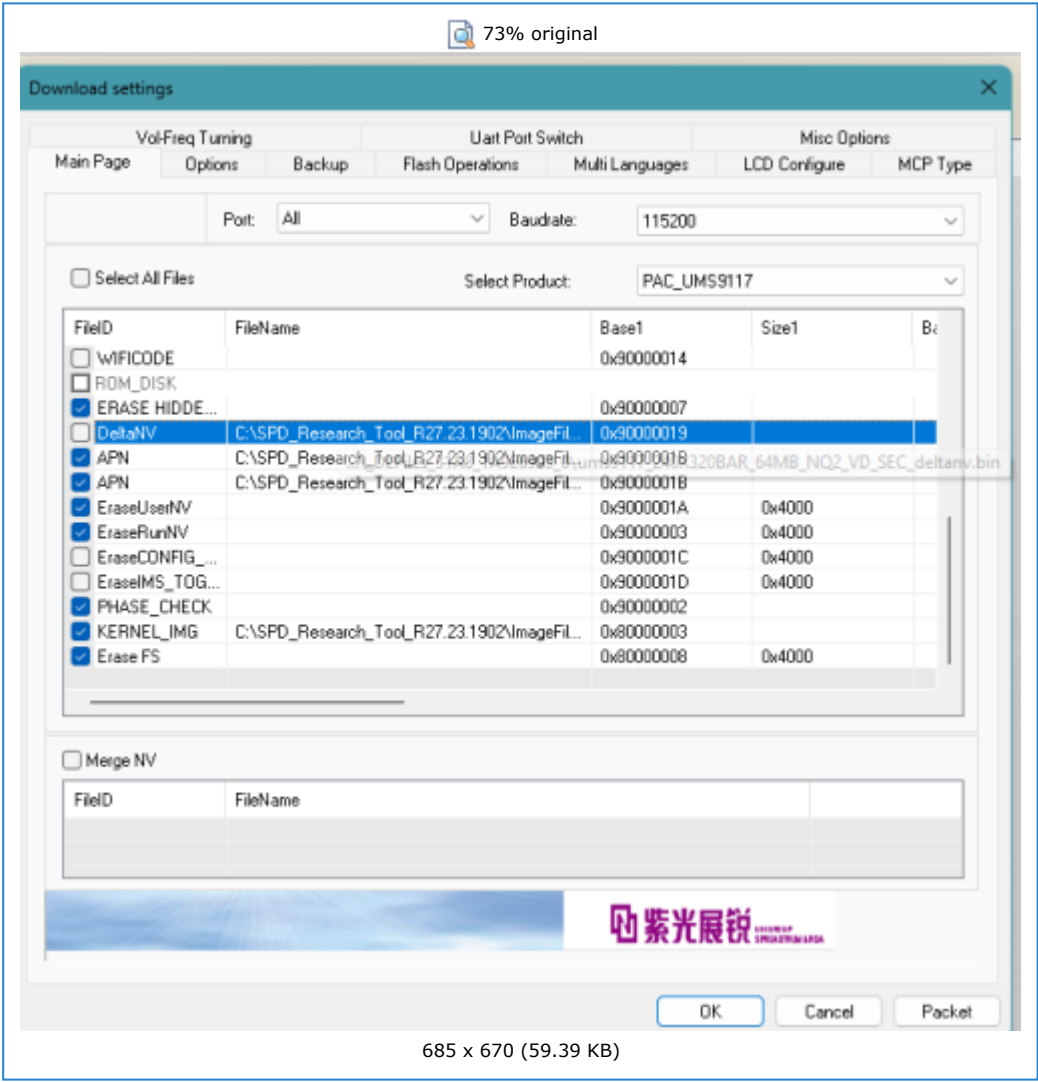
The merged files will be located in the SPD Research Tool in the "ReadFlash" folder, with the suffix "_COM10". For example, in the saved file "mmi_res_240X320_QB_COM10.bin" delete "_COM10".

Step No. 4

- restore the device using backup files;
- launch the SPD Research Tool R27.24.2301 utility and press the "Load packe" button (the button with a large gear);
- select the required firmware version from the "*.pac" recommended in this post and confirm;
- press the "Setting" button (the button with two gears), the "Download setting" window will open;
- in this window, select the "Main Page" tab;
- uncheck the box next to the "DeltaNV" section;

Спойлер (–)

#



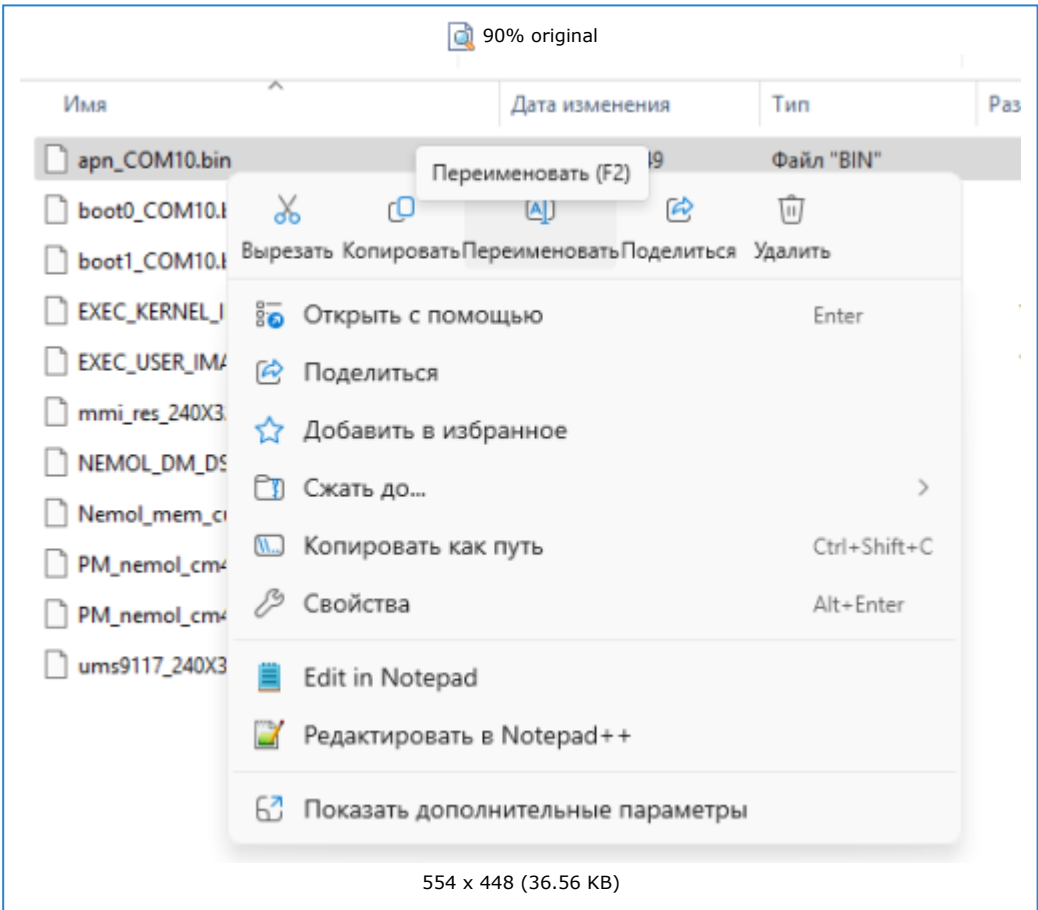
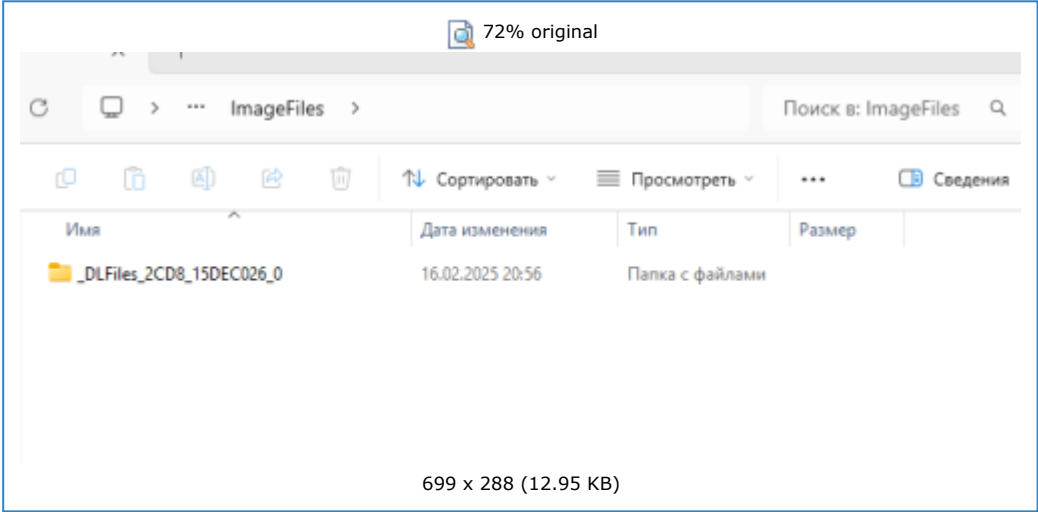
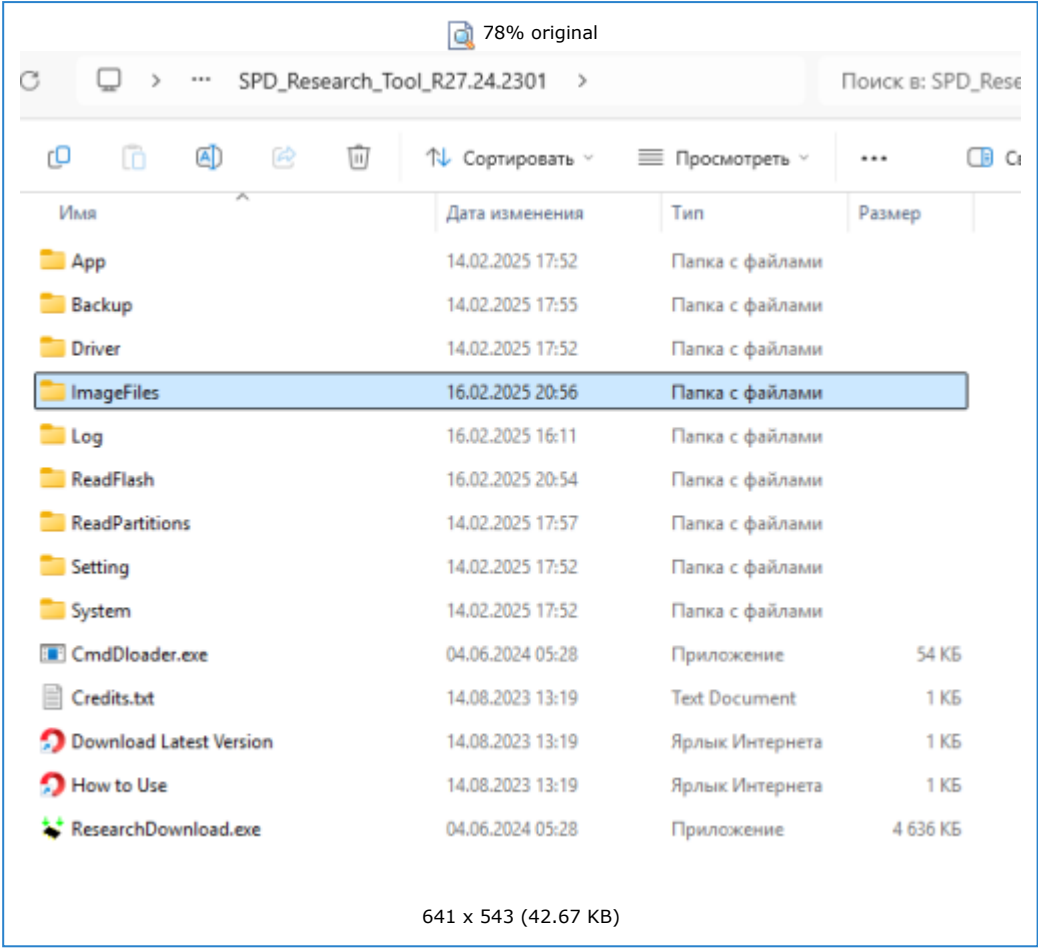
Заккрыть

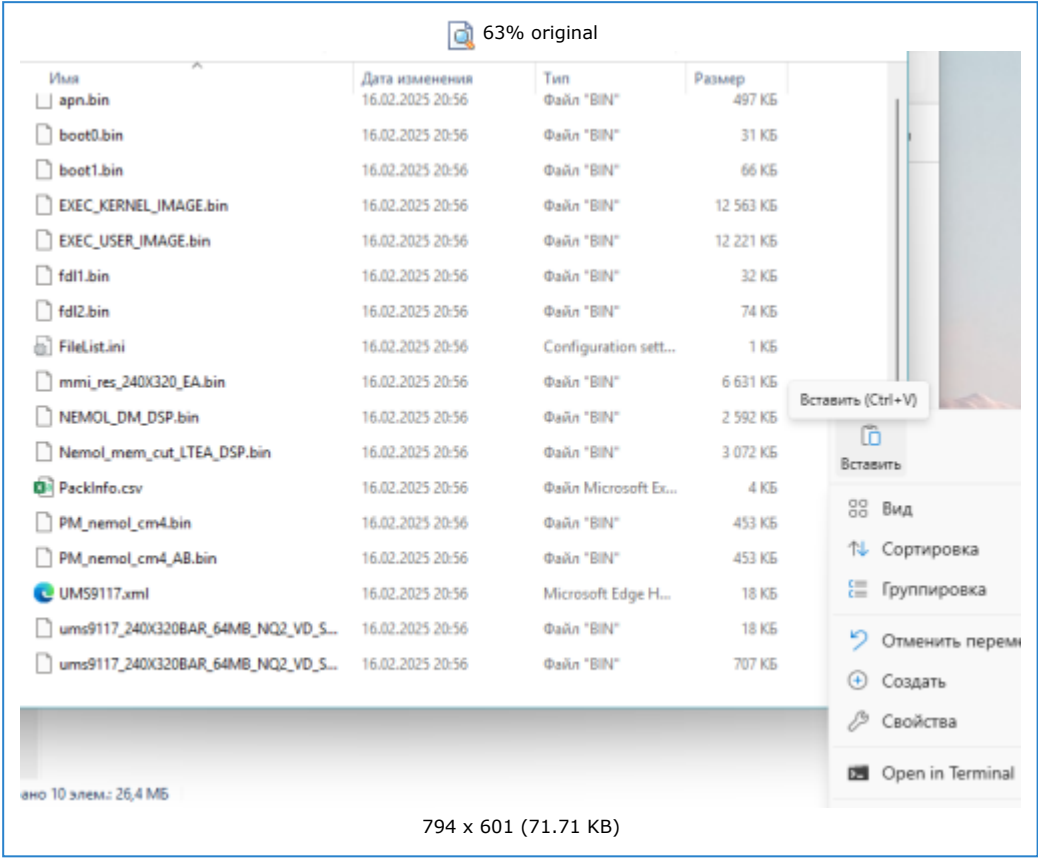
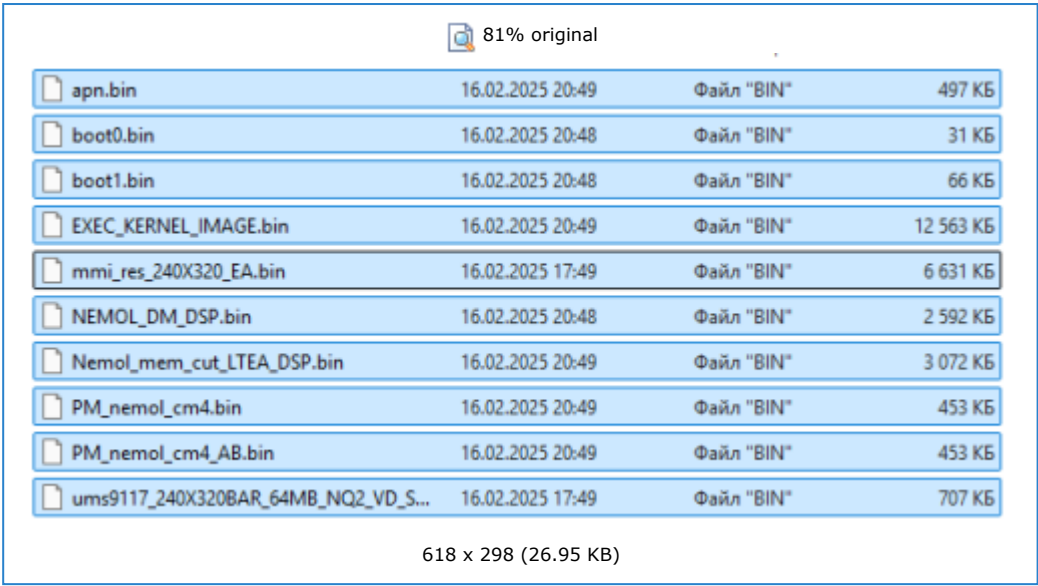
- uncheck the box next to "ERASE HIDDEN_DISK_C";
- uncheck the box next to "EraseUserNV";
- uncheck the box next to "EraseRunNV"

- uncheck the box next to "PHASE CHECK";
- uncheck the box next to "Erase FS";
- select the "Options" tab, where we check the "Power off" and "Repartition" items;
- click the "Ok" button;
- open the "ImageFiles" folder in the utility and copy the merged backup files without the "_COM10" suffix to the "_DLFiles_....." folder;

Спойлер (–)

#



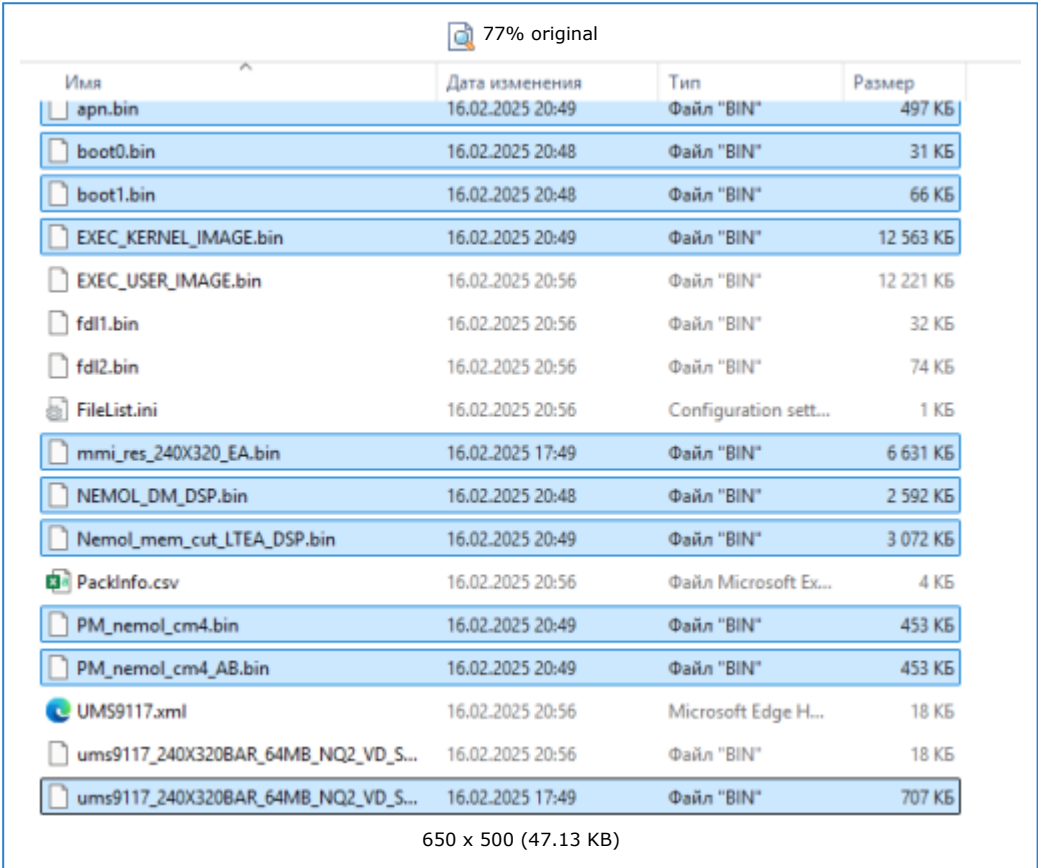
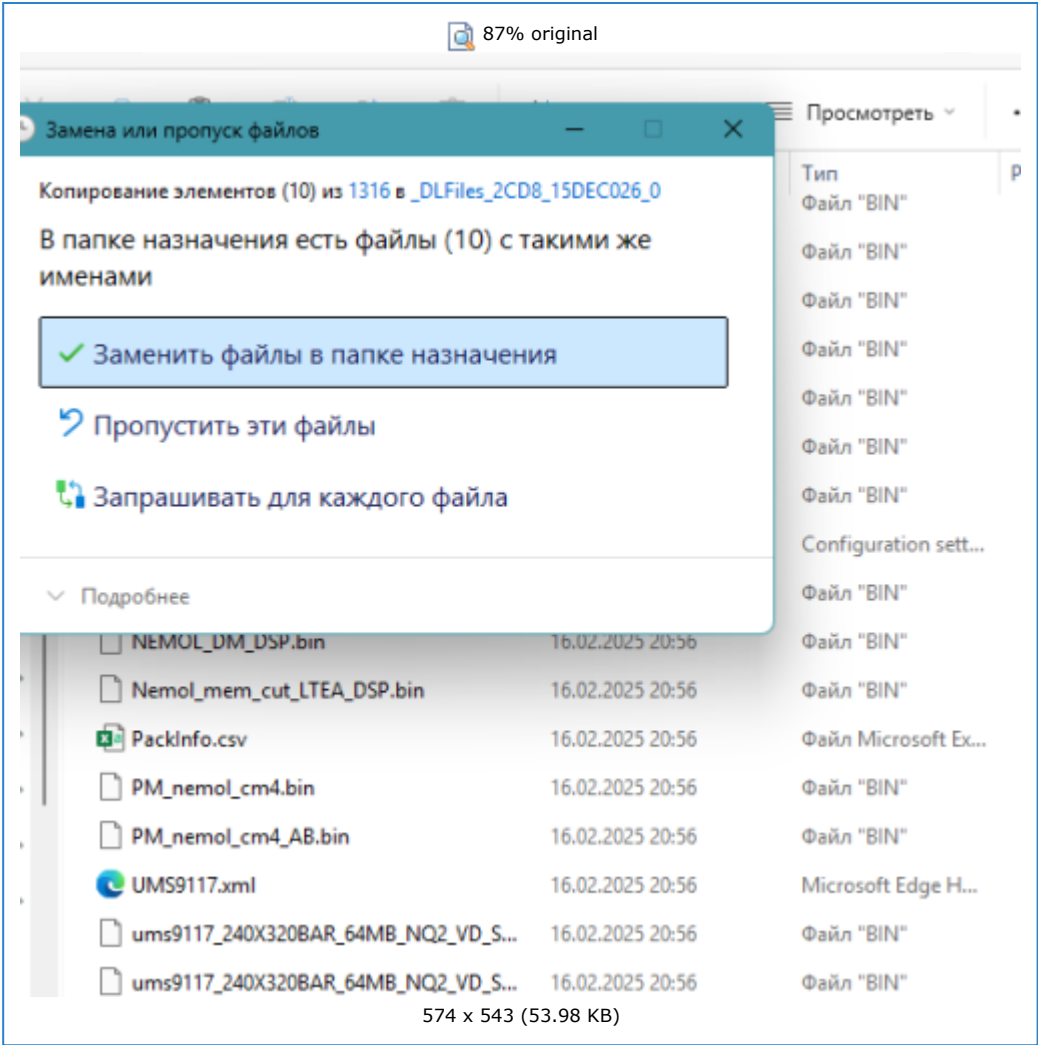


Закреть

- we agree with the replacement;

Спойлер (–)

#



Заккрыть

- press the "Start downloading" button (the button with the arrow to the right);
- remove the battery from the phone and insert it back;
- with the phone turned off, press and hold the "LSB" button ("Left software button" is located just above the "Call" button) for Nokia 215/225 4G (2020);
- with the phone turned off, press and hold the "*" button ("Star") for Nokia 215/220/225/235/3210 4G (2024);
- connect the cable;
- a little later, after the firmware reading process starts, you can release the button on the phone;
- after the reading process is complete, stop the program with the "Stop" button and disconnect the cable;
- turn on the phone.

Features of using a backup.

The backup for the considered push-button phones is used differently than for Android devices. It is possible to restore the functionality of the original firmware on the device if the same firmware was installed at the time the problem occurred. For example, a device with firmware 11.00.17.00 installed began to glitch or ended up in a state of eternal reboot. In this case, if there is a need to save the original firmware, then use a backup. If there is no such need, you can flash any other firmware (not upgraded) for recovery. If the user, for example, upgraded the firmware version, the previously merged backup from the old firmware can no longer be used on this phone. Get a bootloop.

Any device (even non-original) with the same firmware version can be restored using a correctly merged backup (in accordance with this instruction).

It is recommended not to use backups of upgraded firmware for recovery.

ATTENTION!!! Software intervention for Nokia 225 4G (2024) only via backup. The original firmware is not available for recovery. You may get a device with a non-working camera!

ATINGING !!!

Incorrect software intervention may lead to the following device states:

- eternal reboot;
- the phone does not turn on;
- incorrect display of text, graphics, etc.

See the resuscitation procedure [here](#) .

The above is provided for informational purposes only.

!!! Remember that you perform all actions with the phone of your own free will at your own risk. The author is not responsible for the damaged device !!!

Заккрыть

Спойлер (–) (Editing the main menu, creating firmware for Nokia 215 4G (2020) / Nokia 225 4G (2020) phones) #

Step #0

- it is recommended to make a backup before starting any actions.

Step #1

- download and install recommended utilities;
- install drivers;
- download recommended firmware.

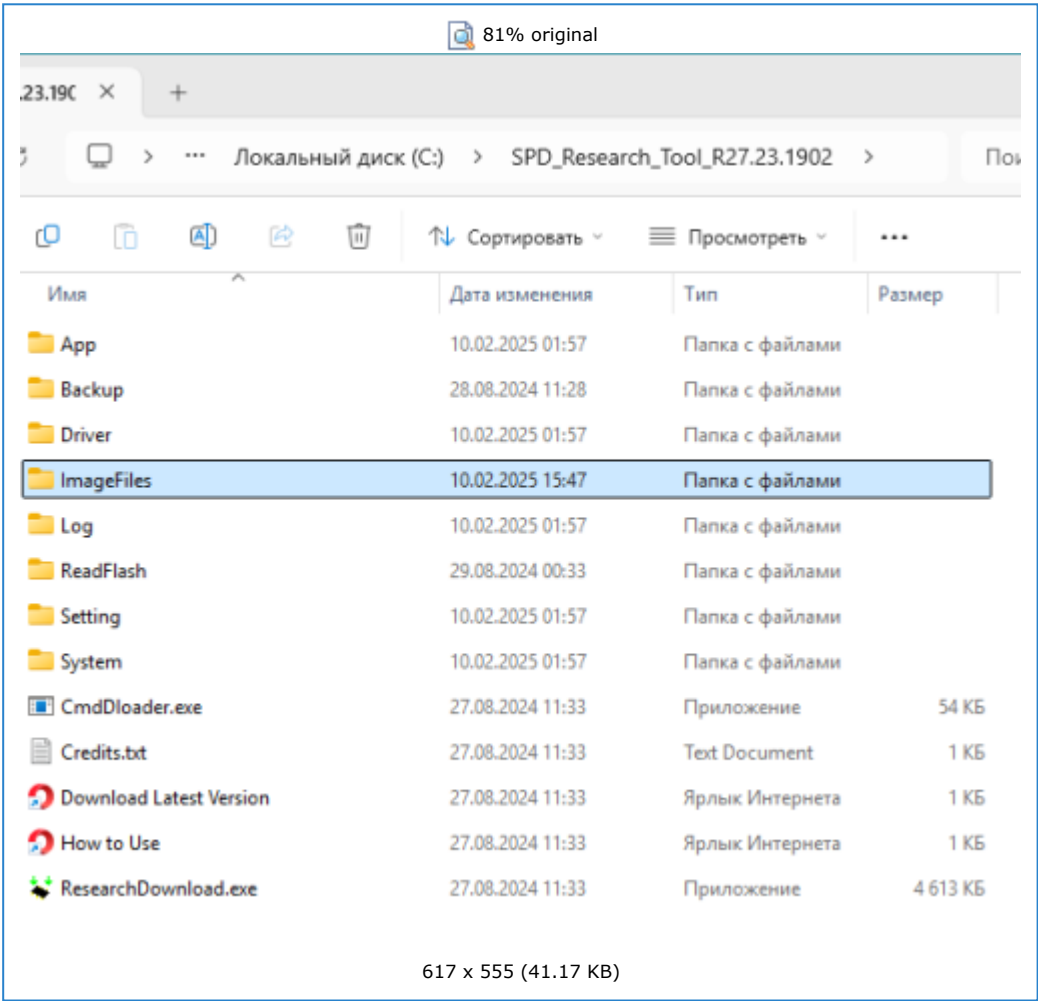
Step #2

- launch the SPD Research Tool R27.23.1902 utility and click the "Load packet" button (the button with a large gear);
- select the required firmware version (update) "*.pac" and confirm;
- click the "Setting" button (the button with two gears), the "Download setting" window will open;
- in this window, select the "Options" item, where you put a tick next to the "Power off" item, then click the "Ok" button;
- do not close the utility (you can minimize it to the tray).

Step #3

- in the SPD Research Tool R27.23.1902 utility folder, find the "ImageFiles" folder and open it;

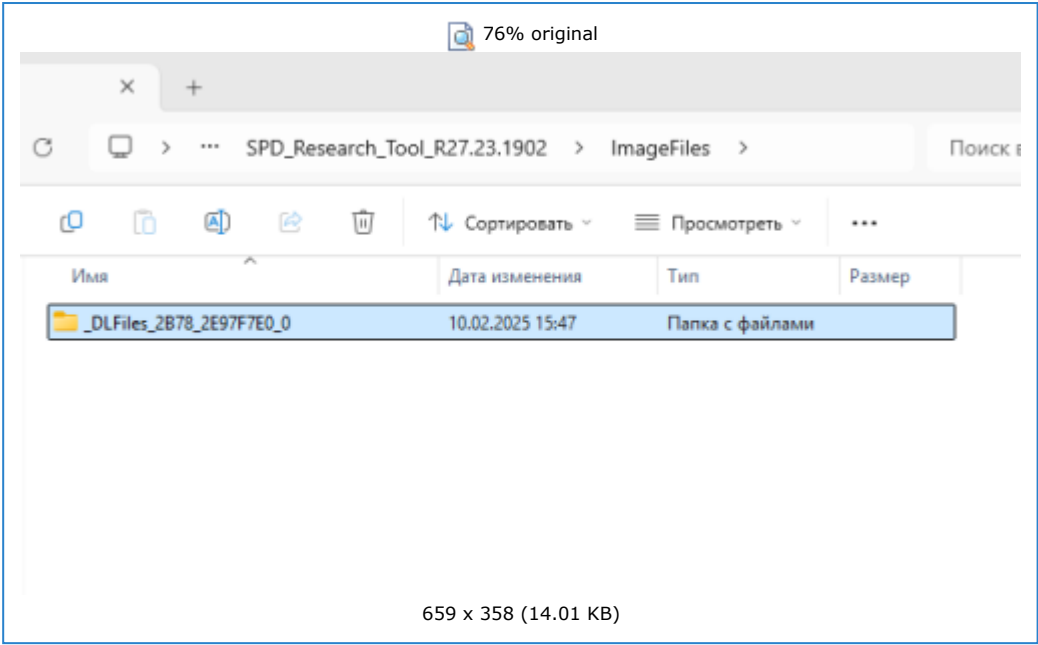
Спойлер (–) #



Заккрыть

- find the folder "_DLFiles_____" and open it;

Спойлер (–) #

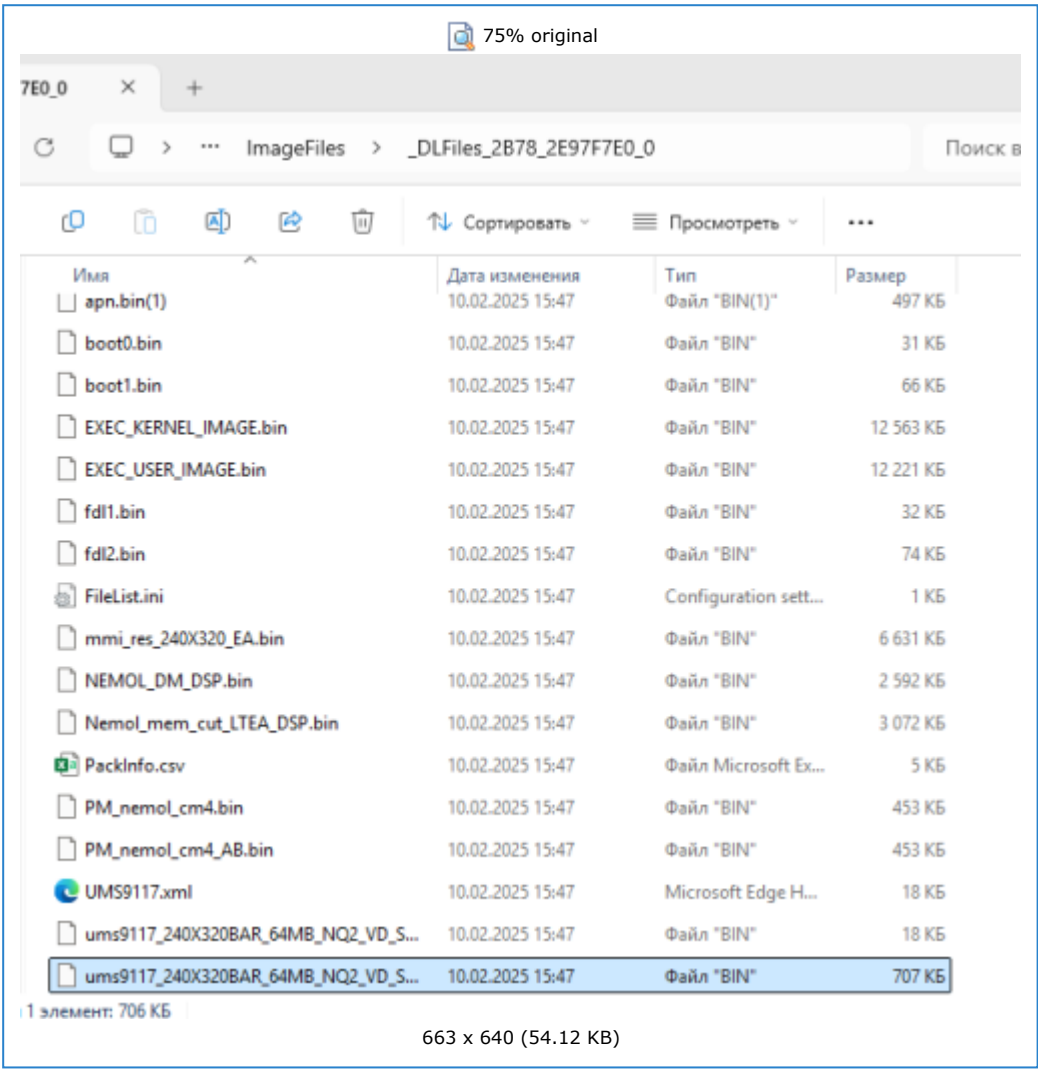


Заккрыть

- find the file "ums9117_240X320BAR_64MB_NQ2_VD_SEC_nvitem_EA_23QEN76LV00.bin" (size 707 kb), which is indicated under the spoiler

Спойлер (–)

#

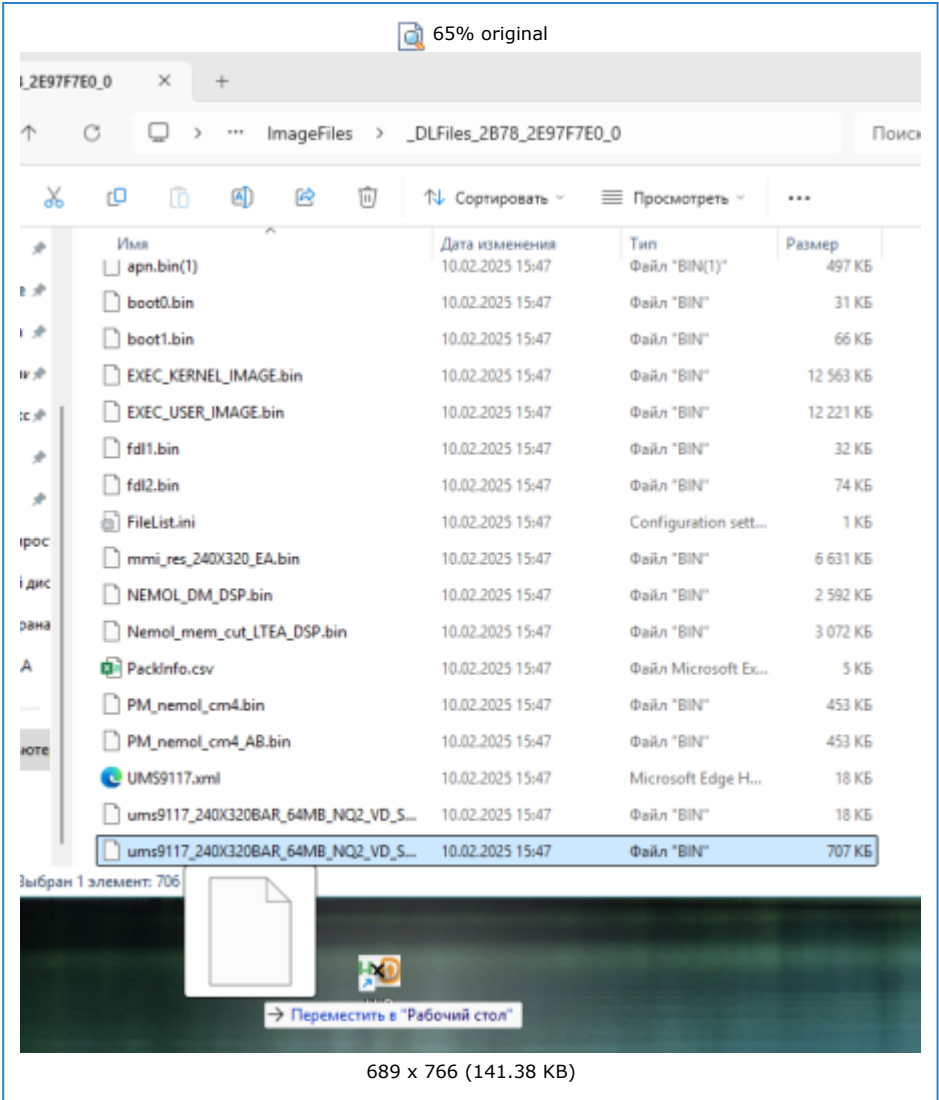


Заккрыть

- and drag it with the mouse to the icon of the previously installed HxD utility.

Спойлер (–)

#



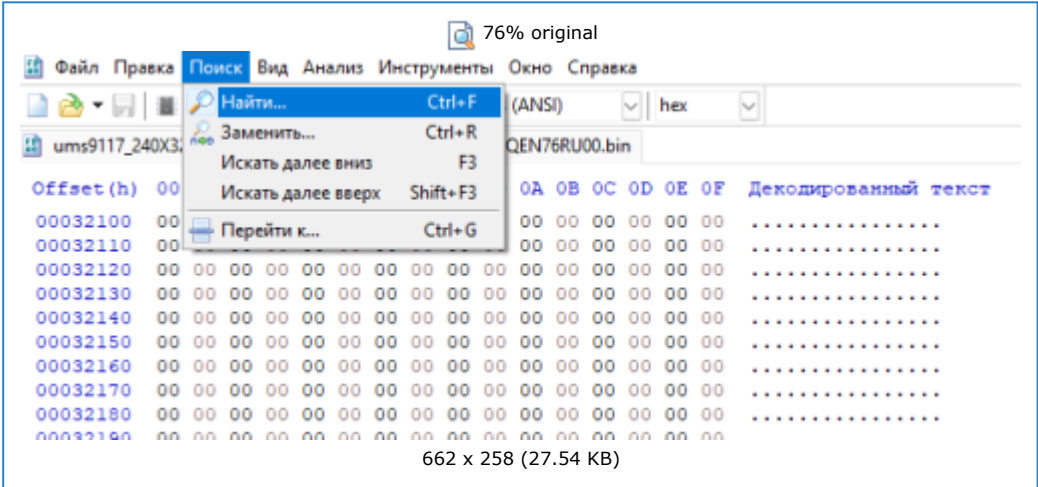
Заккрыть

Step #4

- the HxD editor will open;
- press Ctrl + F on the keyboard or click the "Search" button in the program and then "Find";

Спойлер (–)

#

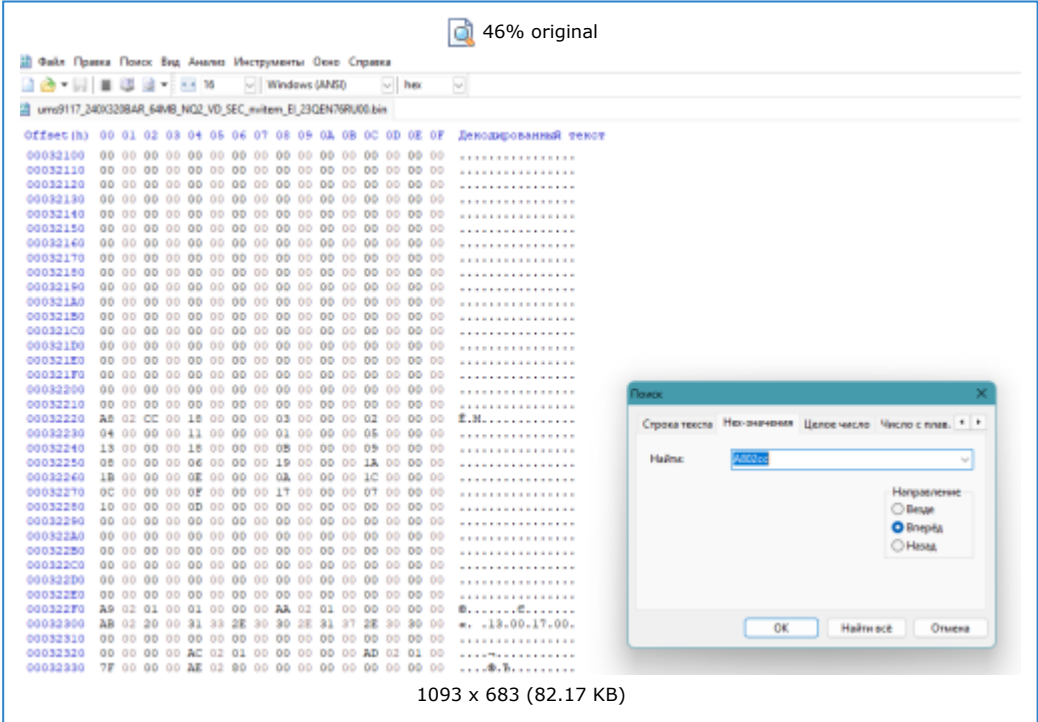


Заккрыть

- in the opened search window, in the "HEX values" tab, enter the query A8 02 CC;

Спойлер (–)

#



Заккрыть

#

00032220	A8 02 CC	00 18 00 00 00 03 00 00 00 02 00 00 00
00032230	04 00 00 00	11 00 00 00 01 00 00 00 05 00 00 00
00032240	13 00 00 00	18 00 00 00 0B 00 00 00 09 00 00 00
00032250	08 00 00 00	06 00 00 00 19 00 00 00 1A 00 00 00
00032260	1B 00 00 00	0E 00 00 00 0A 00 00 00 1C 00 00 00
00032270	0C 00 00 00	0F 00 00 00 17 00 00 00 07 00 00 00
00032280	10 00 00 00	0D 00 00 00 00 00 00 00 00 00 00 00
00032290	00 00 00 00	00 00 00 00 00 00 00 00 00 00 00 00
000322A0	00 00 00 00	00 00 00 00 00 00 00 00 00 00 00 00
000322B0	00 00 00 00	00 00 00 00 00 00 00 00 00 00 00 00
000322C0	00 00 00 00	00 00 00 00 00 00 00 00 00 00 00 00
000322D0	00 00 00 00	00 00 00 00 00 00 00 00 00 00 00 00
000322E0	00 00 00 00	00 00 00 00 00 00 00 00 00 00 00 00

#

83% original

600 x 222 (18.76 KB)

- the default order of icons in the recommended firmware, and their correspondence to the code, see under the spoiler:

#

#

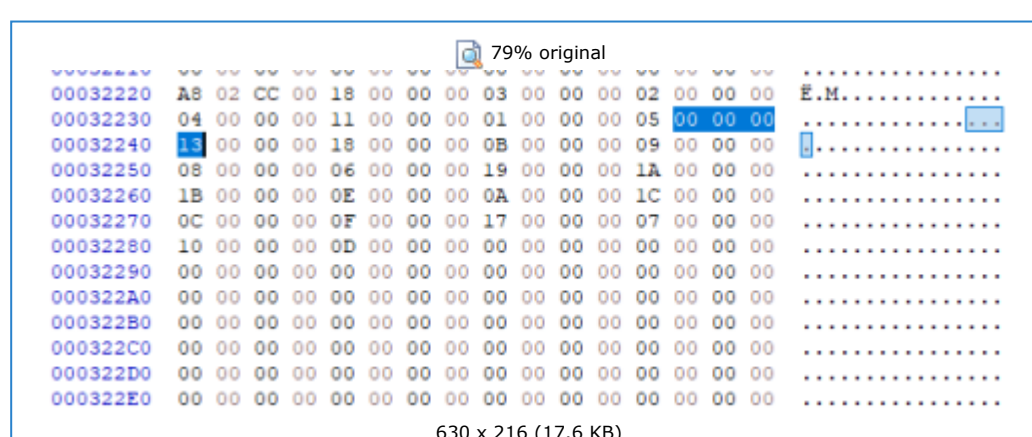
80% original

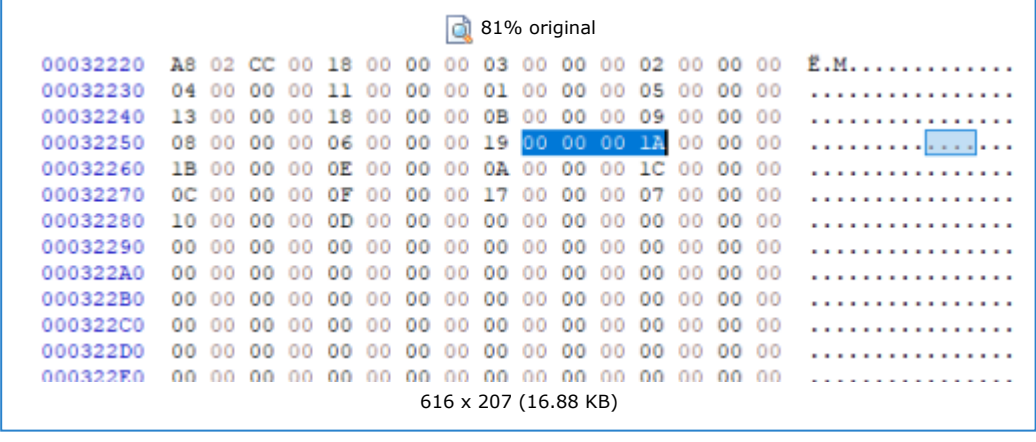
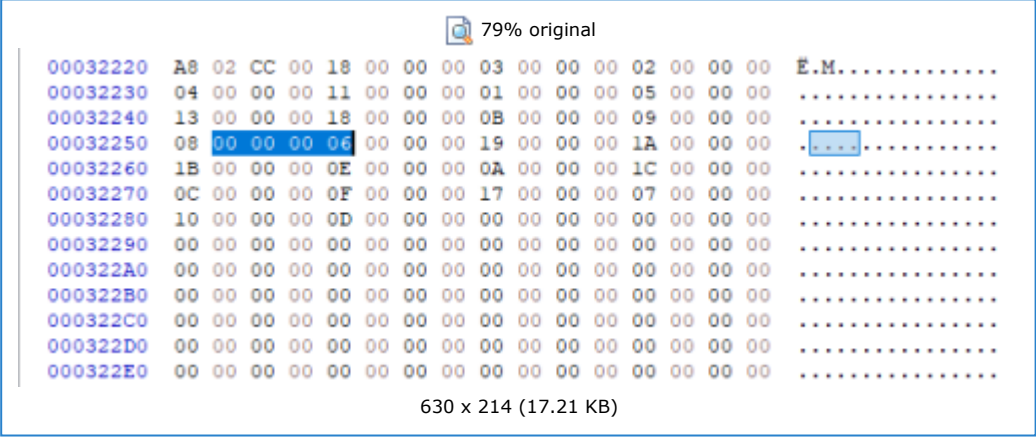
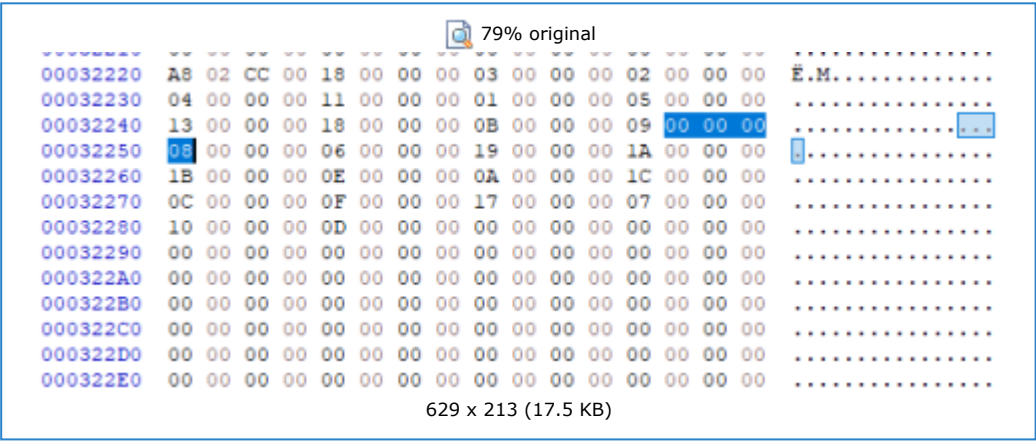
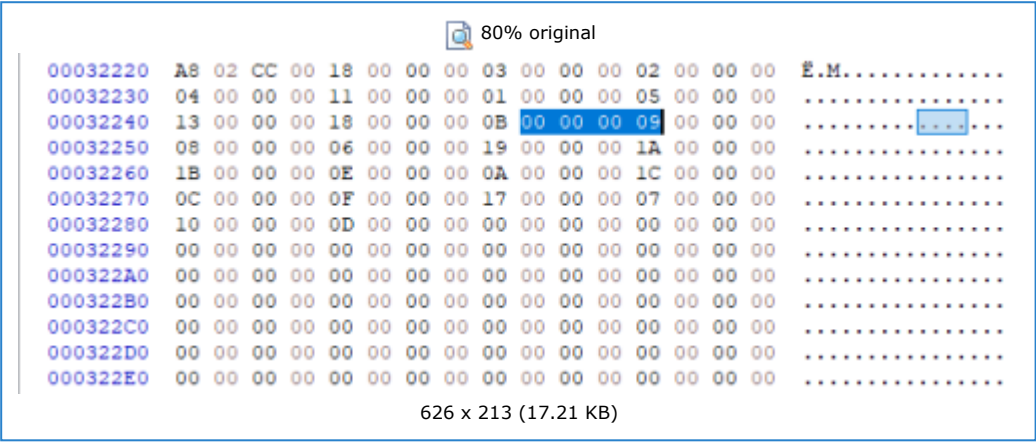
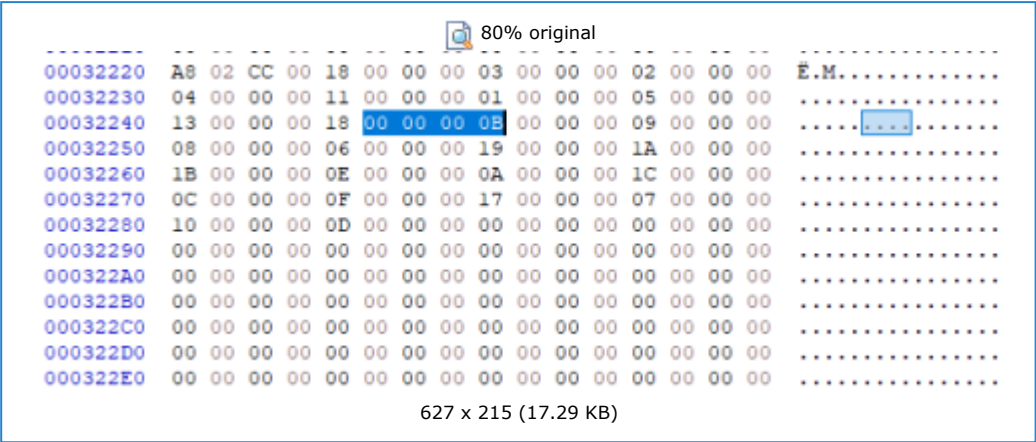
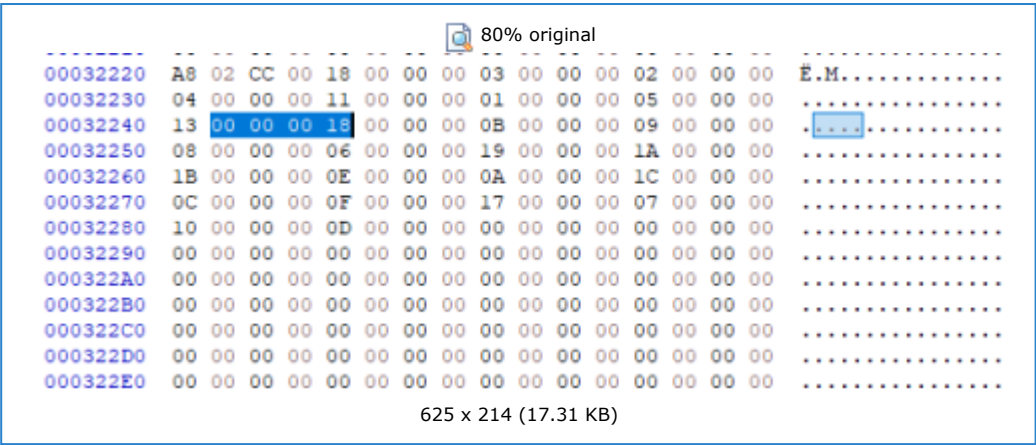
626 x 161 (14.17 KB)

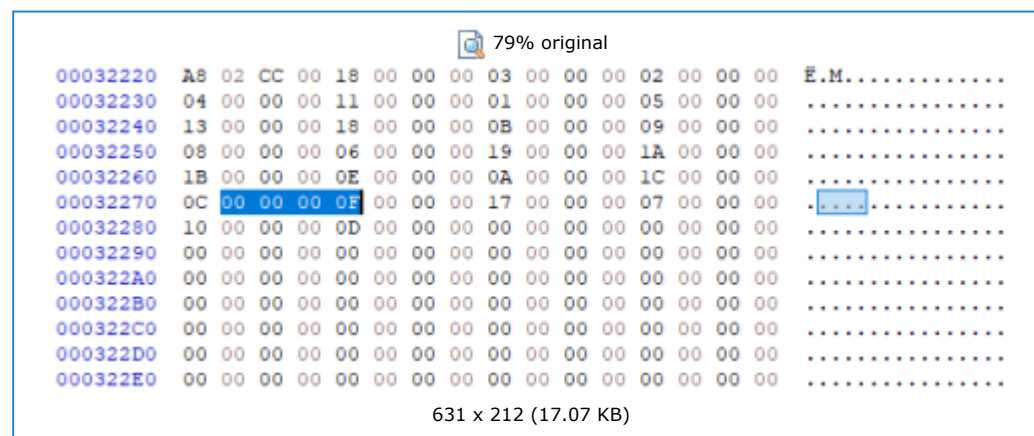
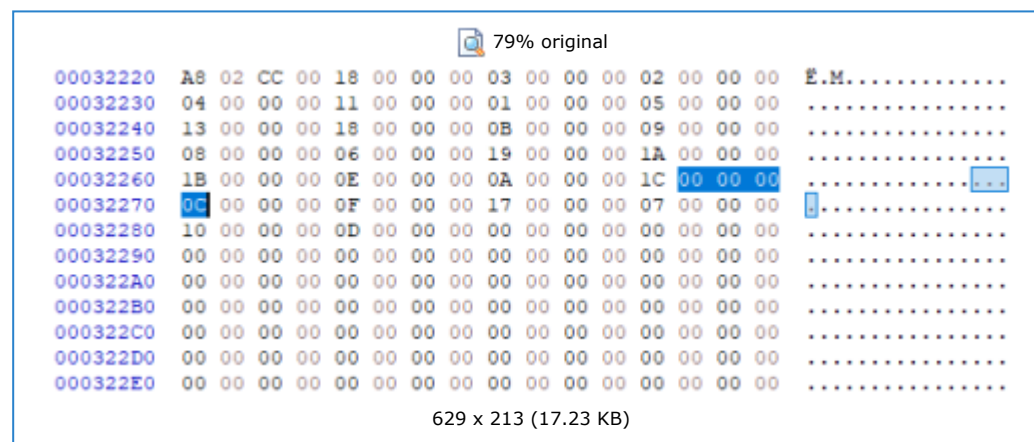
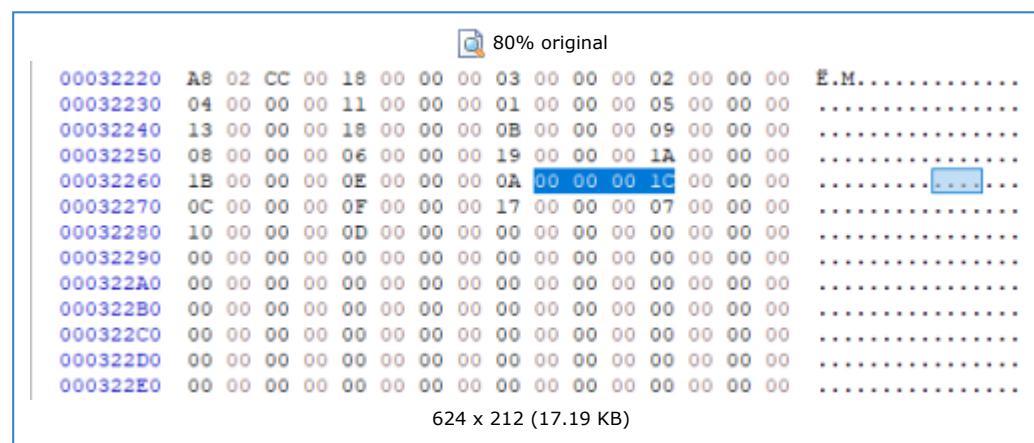
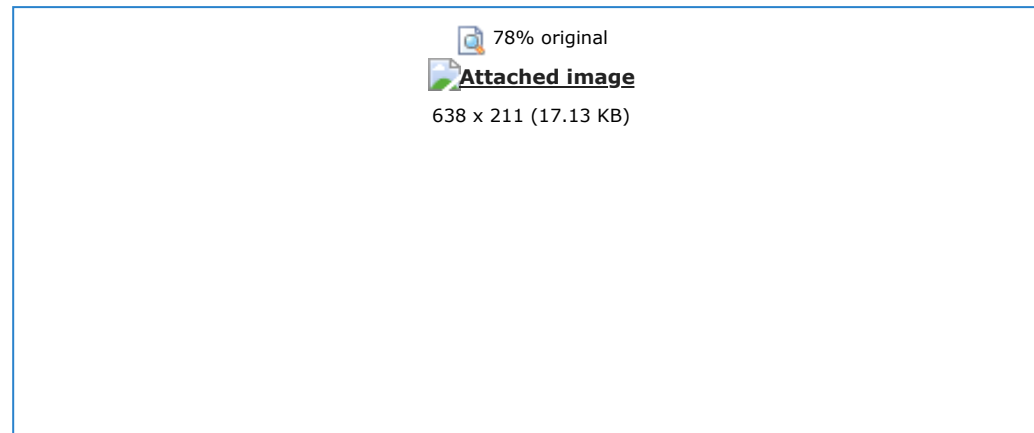
80% original

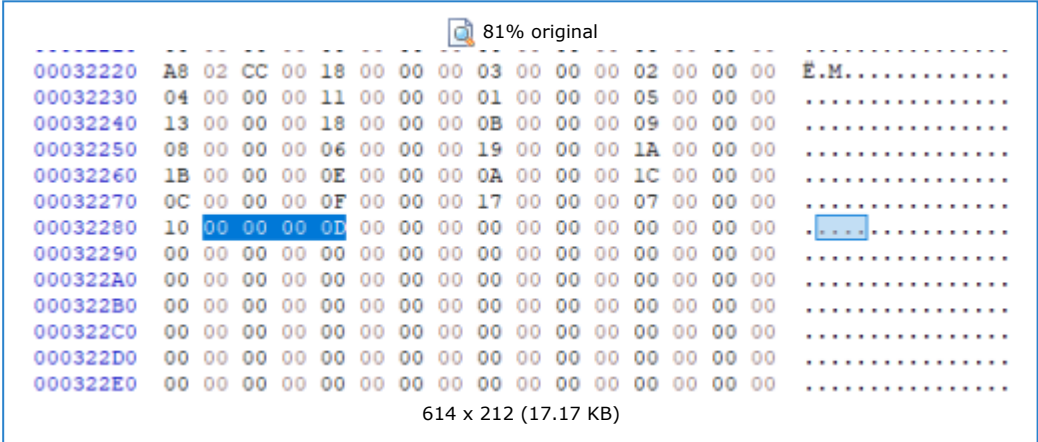
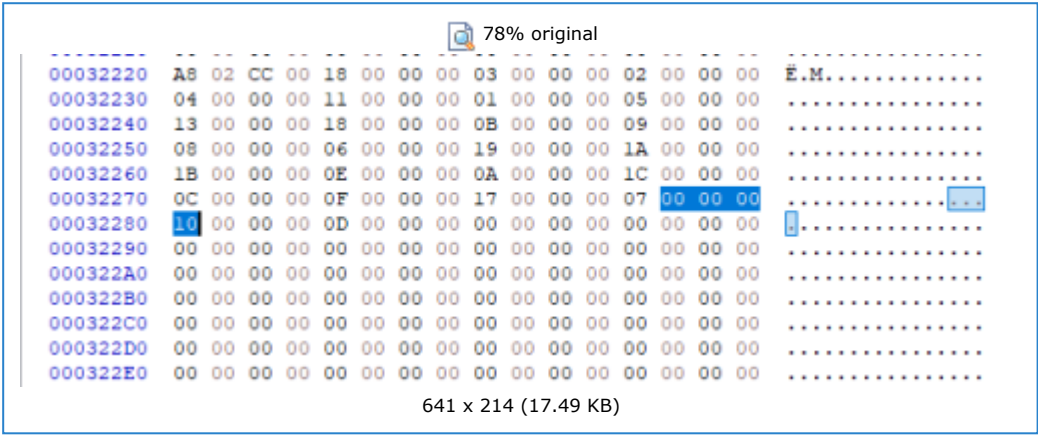
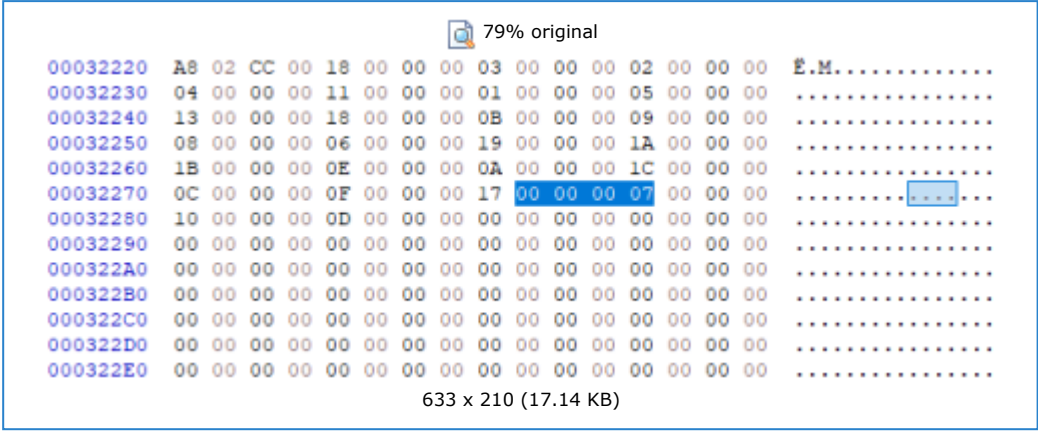
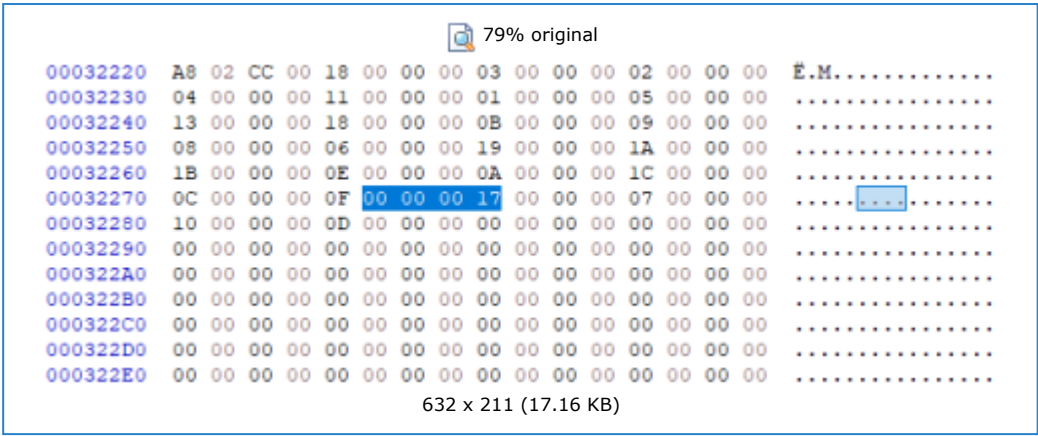
Address	Hex Data	ASCII
00032220	A8 02 CC 00 18 00 00 00 03 00 00 00 02 00 00 00	E.M.
00032230	04 00 00 00 11 00 00 00 01 00 00 00 05 00 00 00	
00032240	13 00 00 00 18 00 00 00 0B 00 00 00 09 00 00 00	
00032250	08 00 00 00 06 00 00 00 19 00 00 00 1A 00 00 00	
00032260	1B 00 00 00 0E 00 00 00 0A 00 00 00 1C 00 00 00	
00032270	0C 00 00 00 0F 00 00 00 17 00 00 00 07 00 00 00	
00032280	10 00 00 00 0D 00 00 00 00 00 00 00 00 00 00 00	
00032290	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	
000322A0	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	
000322B0	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	
000322C0	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	
000322D0	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	
000322E0	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	

625 x 210 (17.23 KB)









Заккрыть

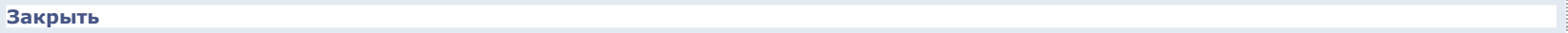
- you can also activate the desired menu item the other way around;
 - in order to preserve the ability to change the location of icons in the phone settings, it is necessary that the location of the icons in the code is consistent and without gaps;
 - after editing !!! be sure to !!! click the "Save" button in the form of a floppy disk in the upper left corner of the program. The red changed values should become black.
- Step No. 5**
- after saving, close the HxD editor;
 - in the SPD Research Tool R27.23.1902 utility folder, find the file with the "*.bak" extension created by the HxD editor and transfer it to any other location on the PC;
 - open the SPD Research Tool R27.23.1902 window from the tray;
 - click the "Setting" button (the button with two gears), the "Download setting" window will open;
 - in this window, select the "Main Page" tab, uncheck the "EraseUserNV" item, and confirm with the "Ok" button;

Спойлер (–)

#



- in SPD Research Tool R27.23.1902, press the "Start downloading" button (the button with the arrow pointing to the right);
- with the phone turned off, press and hold the "LSB" button (the "Left software button" is located just above the "Call" button);
- connect the cable from the PC to the phone;
- the burning process will begin;
- a little later, after the firmware recording process has started, you can release the "LSB" button.
- after the firmware process is complete, stop the program with the "Stop" button and disconnect the cable. Do not close the utility!!!



- if the firmware with the edited menu is installed successfully, proceed to creating the firmware;
- in SPD Research Tool R27.23.1902, press the "Setting" button (the button with two gears), the "Download setting" window will open;
- in the "Main Page" tab, press the "Packet" button.



- in the window that opens, in the first two lines, enter any information about the firmware being created;
- in the third line, specify the save path;
- confirm with the "OK" button. The firmware has been created.

Mod. firmware: [Firmware MOD-nogame Nokia 225 4G 2020 17-00-17-0x.rar \(18.89 MB\)](#)

More firmware: [Nokia 215 4G/225 4G - Discussion \(Post zuyj #129502457\)](#).

Note!!!

What to do if after changing the code, nothing has changed in the phone menu?

The reasons may be both due to inattention to the process, and due to software bugs.

To avoid this:

- use only proven recommended software (operability is not guaranteed on other versions);
- use the recommended firmware file for experiments (operability is not guaranteed on other files, since the code in regional firmware and in firmware with different software versions may differ significantly!!!);
- do not mix files of different firmware;
- use only the order of actions described above.

ATTENTION!!! The above is provided for informational purposes only.

!!! Remember that you perform all actions with the phone of your own free will at your own risk. The author is not responsible for the damaged device!!!

Заккрыть

Спойлер (-) (Editing the main menu, creating firmware for Nokia 215/220 4G (2024) | Nokia 225 4G (2024) | Nokia 235/3210 4G (2024))

#

Step #0

- it is recommended to make a backup before starting any actions.

Step #1

- download and install recommended utilities;
- install drivers;
- download recommended firmware.

Step #2

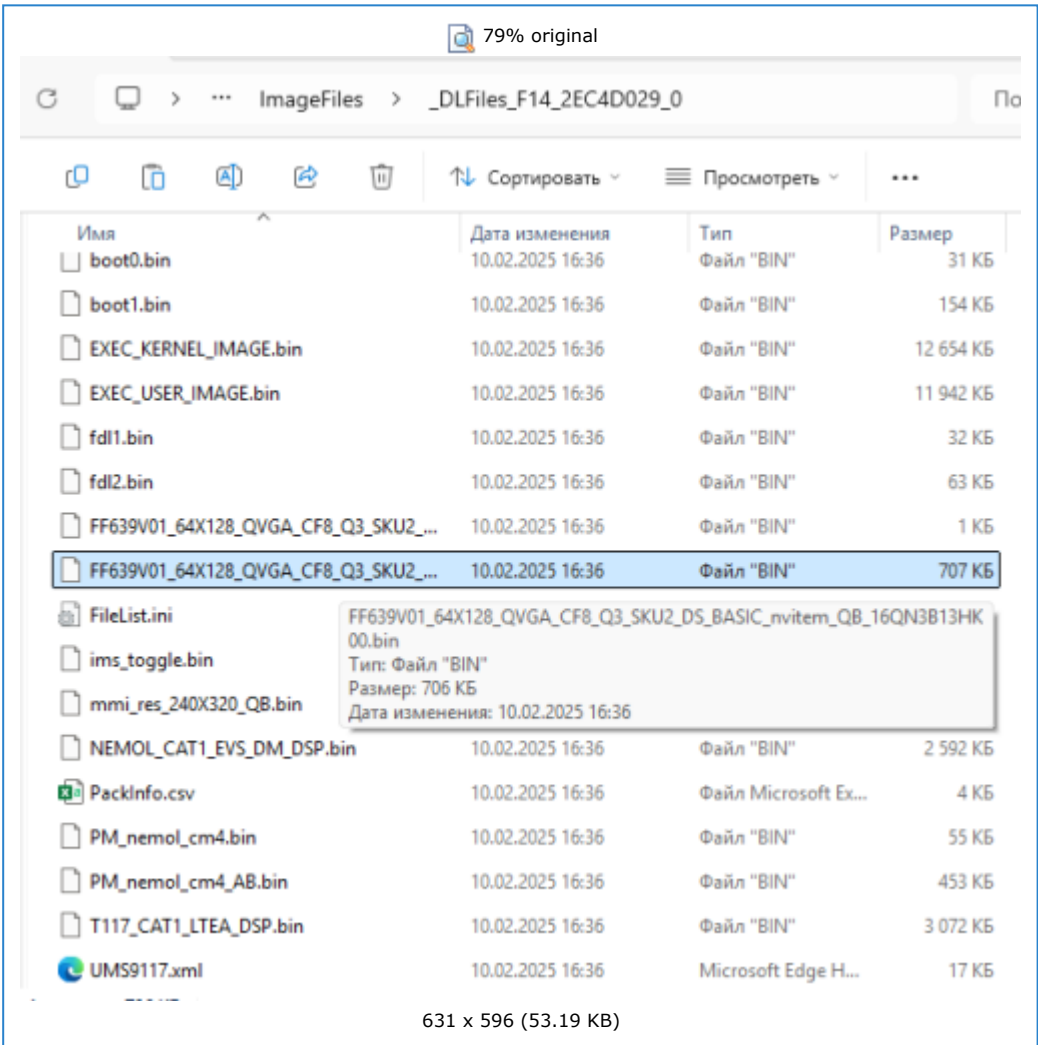
- run the SPD Research Tool R27.23.1902 utility and click the "Load packet" button (the button with a large gear);
- select the required firmware version (update) "*.pac" and confirm;
- click the "Setting" button (the button with two gears), the "Download setting" window will open;
- in this window, select the "Options" item, where you should check the box next to "Power off", then click the "Ok" button;
- do not close the utility (you can minimize it to tray).

Step #3

- in the SPD Research Tool R27.23.1902 utility folder, find the "ImageFiles" folder and open it;
- find the "_DLFiles_" folder and open it;
- find the file FF639V01_64X128_QVGA_CF8_Q3_SKU2_DS_BASIC_nvitem_QB_16QN3B13HK00.bin (size 707 kb), which is indicated under the spoiler;

Спойлер (-)

#



Заккрыть

and drag it with the mouse to the icon of the previously installed HxD utility.

Step #4

- the HxD editor will open;
- press Ctrl + F on the keyboard or click the "Search" button in the program and then "Find";
- in the search window that opens, in the "HEX values" tab, enter the search query: A8 02 98 01
- we get the following image:

offset - 00031F10;
the beginning of the code:
A8 02 98 01 17 00 00 00 17 (for the recommended firmware Nokia 215/220 4G (2024));

Спойлер (–) #

67% original

FF639V01_64X128_QVGA_CF8_Q3_SKU2_DS_BASIC_nvitem_QB_16QN3813HK00.bin

Offset(h) 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F Декодированный текст

00031ED0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00031EE0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00031EF0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00031F00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00031F10 00 00 00 00 A8 02 98 01 17 00 00 00 17 00 00 00
00031F20 01 00 00 00 02 00 00 00 09 00 00 00 14 00 00 00
00031F30 05 00 00 00 08 00 00 00 07 00 00 00 1D 00 00 00
00031F40 0C 00 00 00 04 00 00 00 0A 00 00 00 0D 00 00 00
00031F50 0E 00 00 00 18 00 00 00 1F 00 00 00 19 00 00 00
00031F60 1E 00 00 00 0B 00 00 00 1A 00 00 00 1B 00 00 00
00031F70 1C 00 00 00 16 00 00 00 17 00 00 00 00 00 00 00
00031F80 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00031F90 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00031FA0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00031FB0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00031FC0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00031FD0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00031FE0 00 00 00 00 00 00 00 00 01 00 00 00 02 00 00 00
00031FF0 09 00 00 00 14 00 00 00 05 00 00 00 08 00 00 00
00032000 07 00 00 00 1D 00 00 00 0C 00 00 00 04 00 00 00
00032010 0A 00 00 00 0D 00 00 00 0E 00 00 00 18 00 00 00
00032020 1F 00 00 00 19 00 00 00 1E 00 00 00 0B 00 00 00
00032030 1A 00 00 00 1B 00 00 00 1C 00 00 00 16 00 00 00
00032040 17 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00032050 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00032060 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00032070 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00032080 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00032090 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
000320A0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
000320B0 A9 02 01 00 01 00 00 00 AA 02 01 00 00 00 00 00
745 x 622 (79.54 KB)

Заккрыть

A8 02 98 01 1A 00 00 00 1A (for recommended firmware Nokia 3210 4G (2024)).

Спойлер (–) #

69% original

FF638V01_64X128_QVGA_CF8_Q3_SKU2_DS_ICON_nvitem_QB_16CN18HK00.bin

Offset(h) 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F Декодированный текст

00031E90 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00031EA0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00031EB0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00031EC0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00031ED0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00031EE0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00031EF0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00031F00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00031F10 00 00 00 00 A8 02 98 01 1A 00 00 00 1A 00 00 00
00031F20 01 00 00 00 02 00 00 00 03 00 00 00 14 00 00 00
00031F30 05 00 00 00 06 00 00 00 07 00 00 00 1D 00 00 00
00031F40 08 00 00 00 12 00 00 00 04 00 00 00 09 00 00 00
00031F50 0A 00 00 00 0C 00 00 00 0D 00 00 00 0E 00 00 00
00031F60 18 00 00 00 1F 00 00 00 19 00 00 00 1E 00 00 00
00031F70 0B 00 00 00 1A 00 00 00 1B 00 00 00 1C 00 00 00
00031F80 16 00 00 00 17 00 00 00 00 00 00 00 00 00 00 00
00031F90 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00031FA0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00031FB0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00031FC0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00031FD0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00031FE0 00 00 00 00 00 00 00 00 01 00 00 00 02 00 00 00
00031FF0 03 00 00 00 14 00 00 00 05 00 00 00 06 00 00 00
00032000 07 00 00 00 1D 00 00 00 08 00 00 00 12 00 00 00
00032010 04 00 00 00 09 00 00 00 0A 00 00 00 0C 00 00 00
00032020 0D 00 00 00 0E 00 00 00 18 00 00 00 1F 00 00 00
00032030 19 00 00 00 1E 00 00 00 0B 00 00 00 1A 00 00 00
00032040 1B 00 00 00 1C 00 00 00 16 00 00 00 17 00 00 00
00032050 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00032060 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00032070 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00032080 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00032090 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
000320A0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
000320B0 A9 02 01 00 01 00 00 00 AA 02 01 00 00 00 00 00
724 x 683 (81.48 KB)

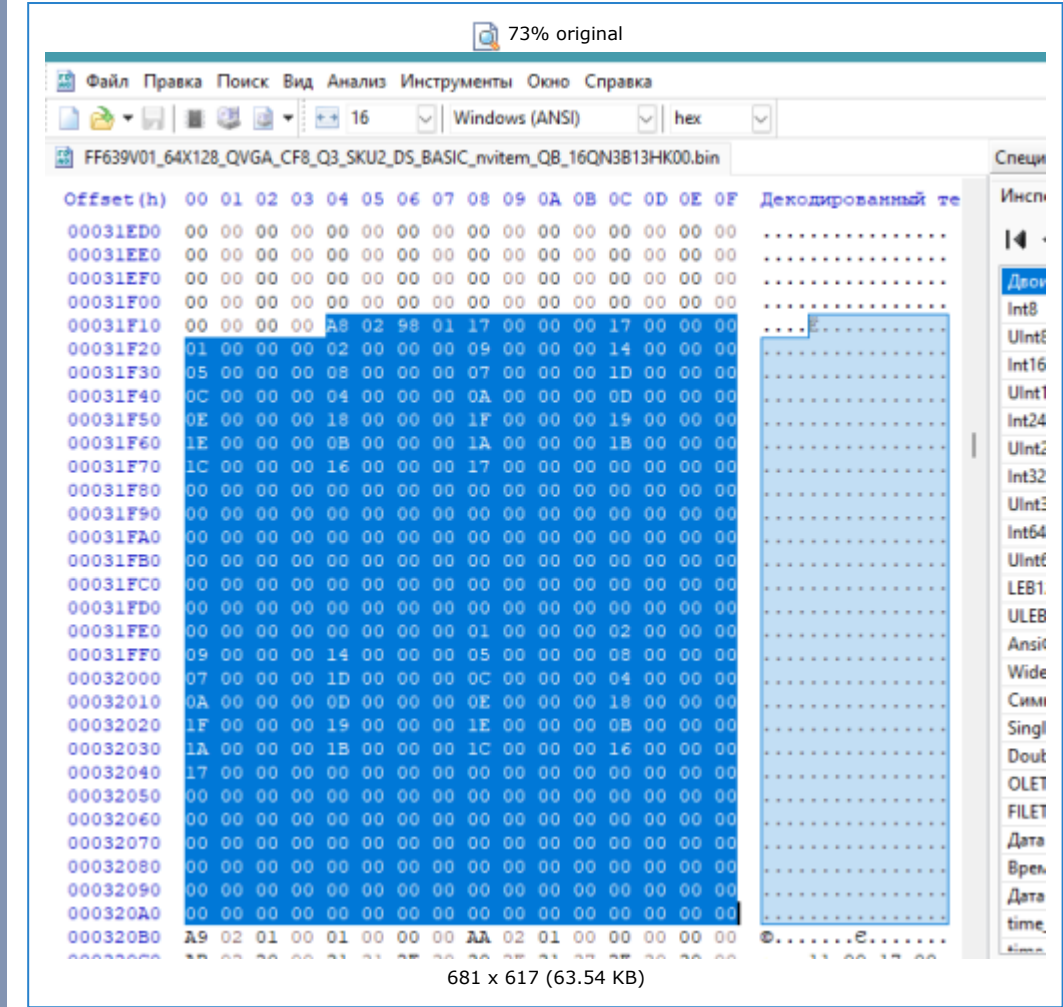
Заккрыть

- under the spoiler is the editing area, which is responsible for the location and visibility of the icons of the phone's main menu:
for the recommended firmware Nokia 215/220 4G (2024)

Спойлер (–) #

https://4pda.to/forum/index.php?showtopic=1007593&st=2160#entry135203855

25/48

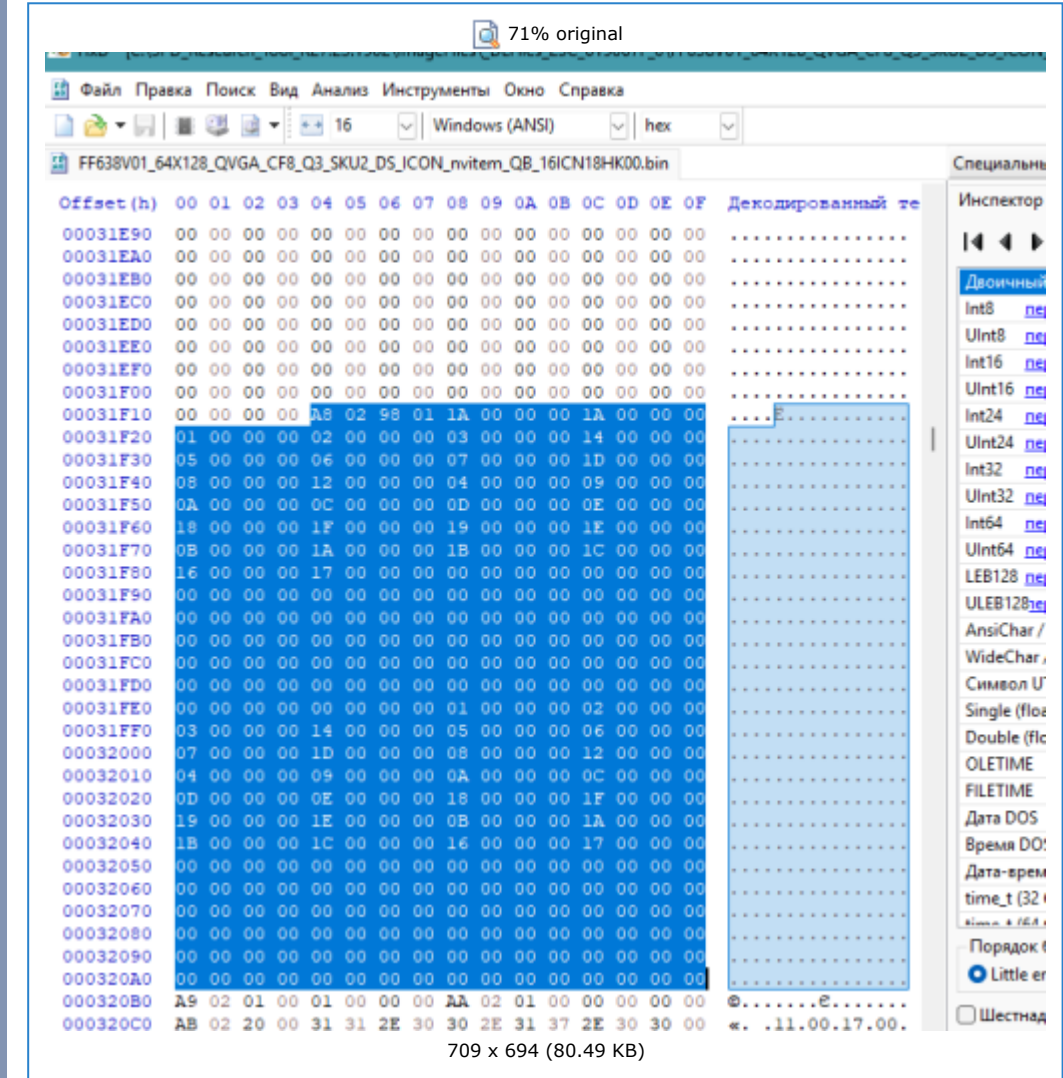


Заккрыть

for recommended firmware Nokia 3210 4G (2024)

Спойлер (-)

#



Заккрыть

- after the line:
A8 02 98 01 17 00 00 00 17 (for Nokia 215/220 4G (2024) firmware);
A8 02 98 01 1A 00 00 00 1A (for the recommended Nokia 3210 4G (2024) firmware)
there is an icon code in the form 00 00 00 xx , where xx is the value corresponding to a specific icon. Each icon has its own. We start editing the icons after the line A8 02 98 01 17 00 00 00 17 or A8 02 98 01 1A 00 00 00 1A.
- the default order of the icons in the recommended firmware and their correspondence to the code can be found under the spoiler;

Спойлер (-)

#

Default location of each icon in the main menu (3x3 mode) for Nokia 215/220 4G (2024) in the recommended firmware 11.00.17.00:

Спойлер (-)

#

- Row 1: Call log – Contacts – Signal
- Row 2: Cloud – Messages - Radio
- Row 3: Facebook - Snake - Options

- Row 4: Internet – Music - Files
- Row 5: Extras – Raccing Attack - Black Jack
- Row 6: Doodle Jump – Arrow Master - Football cup
- Row 7: Crossy Road – Ninja Up - Air Strike
- Row 8: SIM ATK1 – SIM ATK1 (appears when SIM cards are inserted)

Заккрыть

Default location of each icon in the main menu (3x3 mode) for Nokia 3210 4G (2024) in the recommended firmware 11.00.17.00:

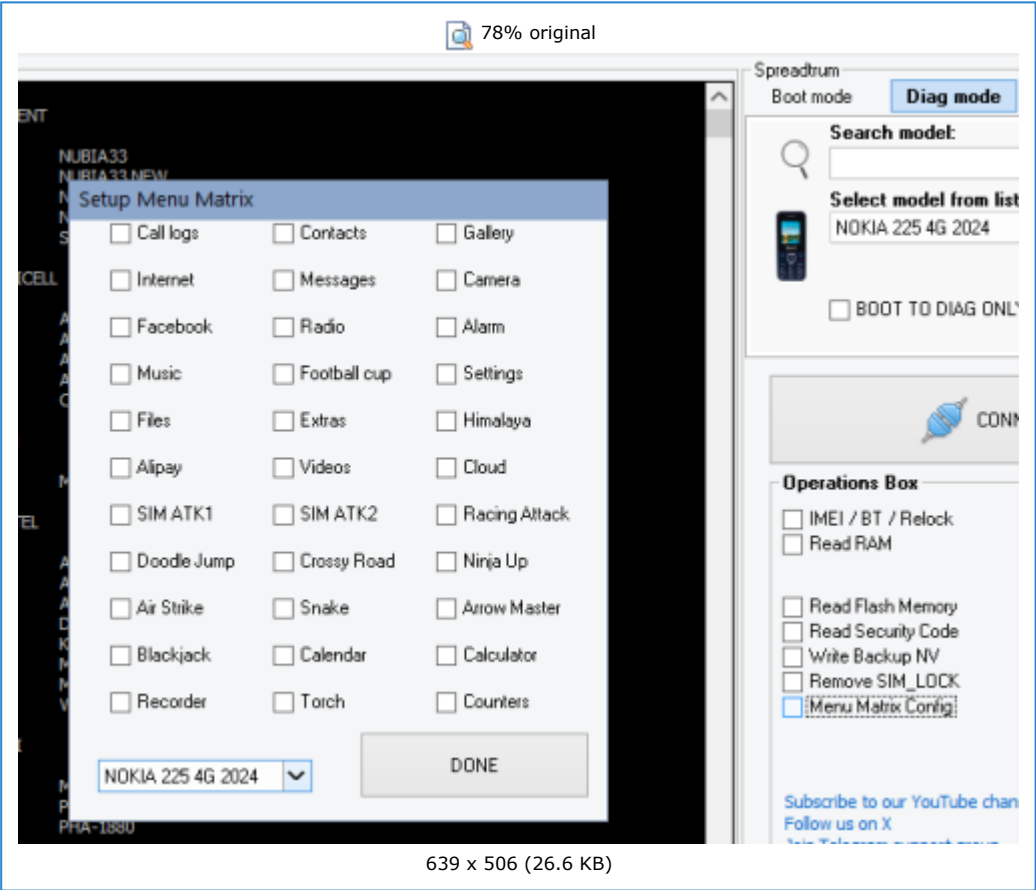
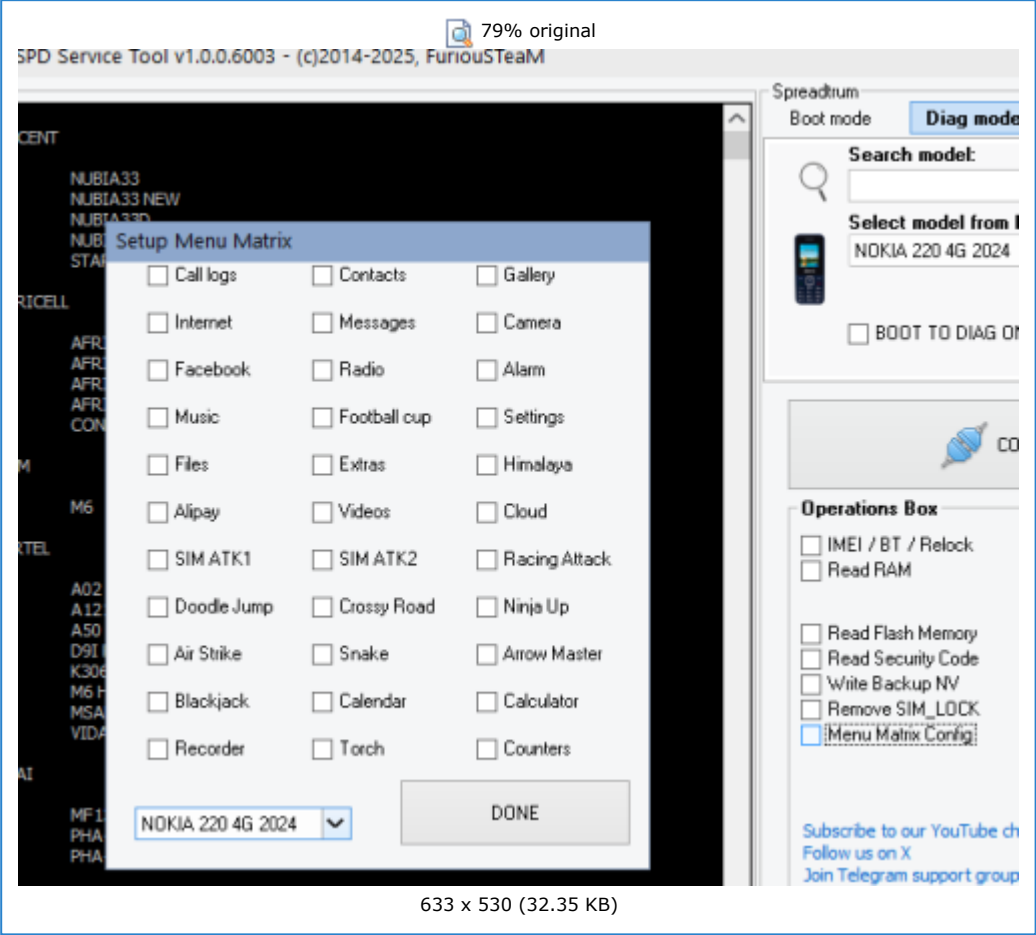
Спойлер (+) #

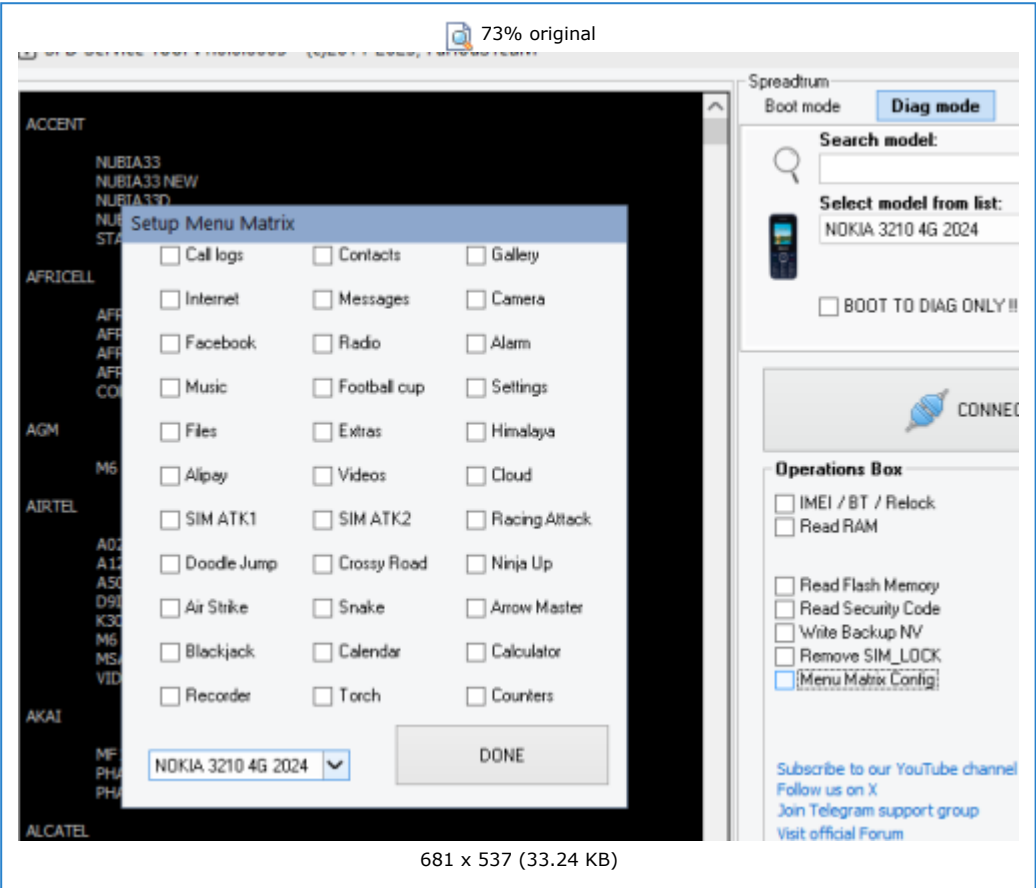
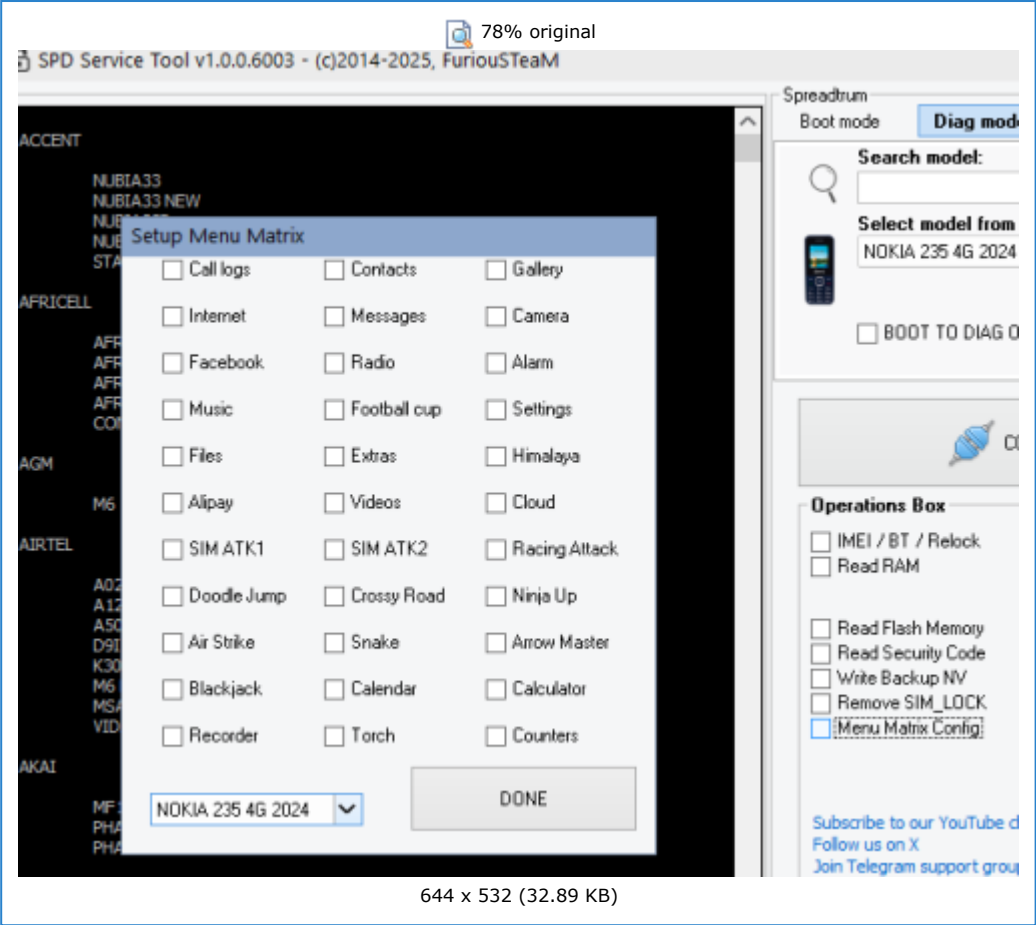
Values in the editor for icons in the menu in the recommended firmware 11.00.17.00:

Спойлер (+) #

All icons that are present in Nokia 215/220/225/235/3210 4G (2024) firmware in visible or hidden form:

Спойлер (–) #





Заккрыть

Заккрыть

- make "unnecessary" icons invisible by changing the code. For example, the code for the "Message" icon is 00 00 00 05 . Change the last two digits to 00 . That is, the code becomes 00 00 00 00 . Next, change the last two digits of the code for other icons that need to be hidden in the main menu to 00.

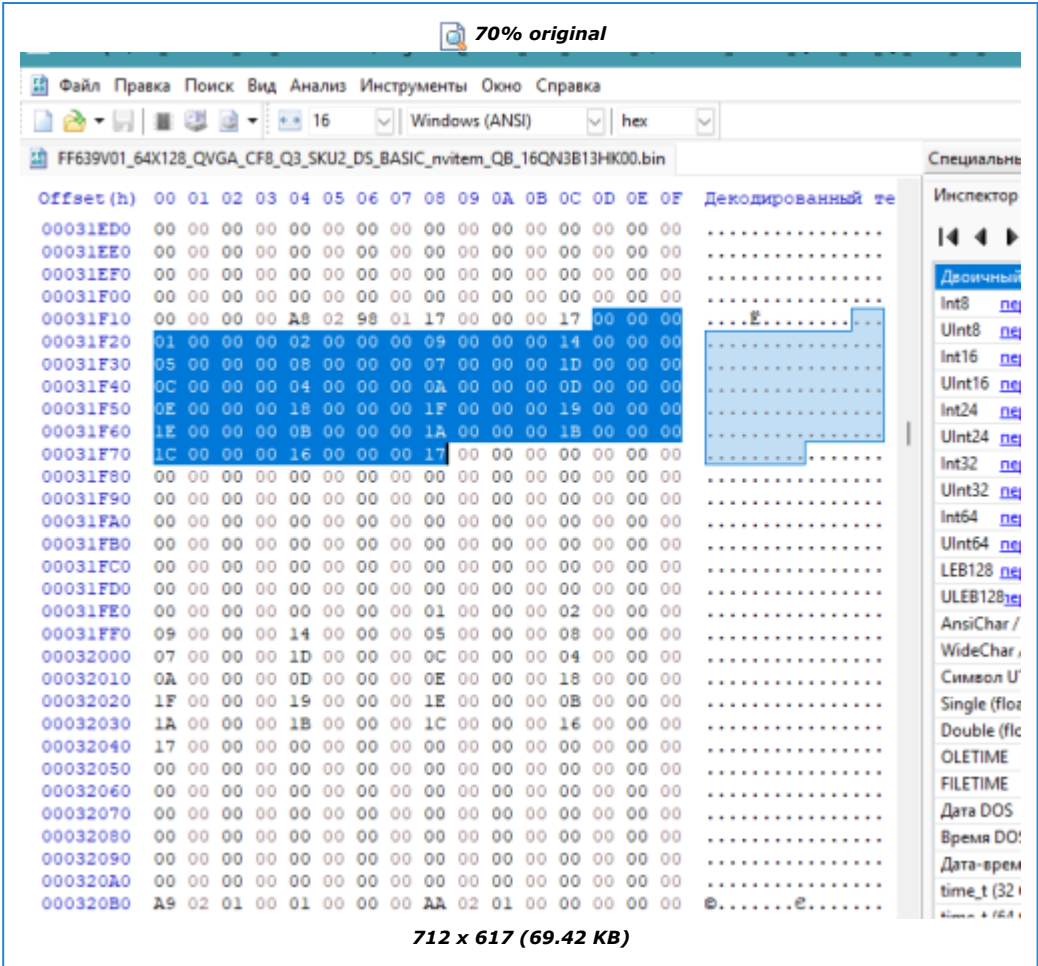
ATTENTION! There are two groups of codes in the menu editing area.

The first (conventionally the "upper" group) begins with:

- offset 00031F10 for Nokia 215/220 4G (2024) in the recommended firmware 11.00.17.00 is responsible for displaying the menu in 3x3 mode.

Спойлер (-)

#



Заккрыть

- offset 00031F10 for Nokia 3210 4G (2024) in the recommended firmware 11.00.17.00 and is responsible for displaying the menu in 3x3 mode.

Спойлер (+)

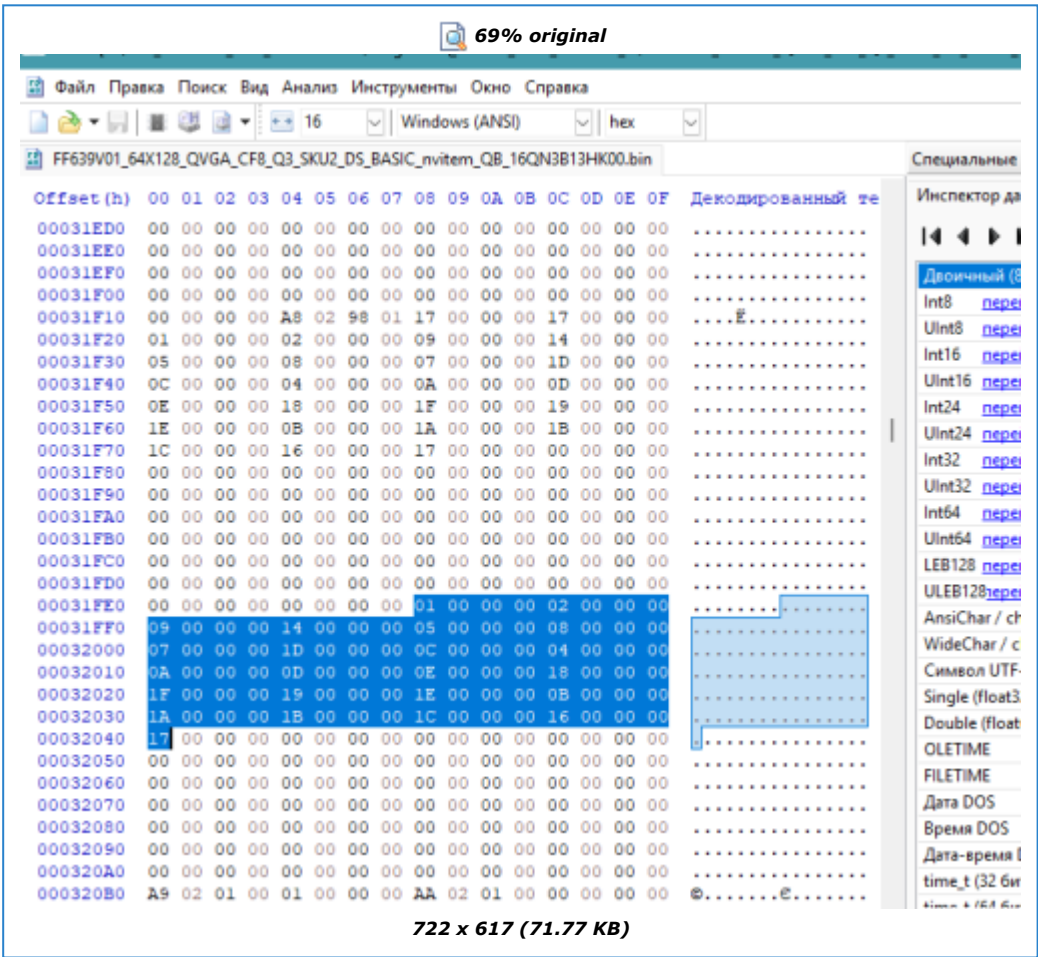
#

The second (conditionally "lower" group) starts with:

- offset 00031FE0 for Nokia 215/220 4G (2024) in the recommended firmware 11.00.17.00 is responsible for displaying the menu in 1x1 mode.

Спойлер (-)

#



Заккрыть

- offset 00031FE0 for Nokia 3210 4G (2024) in the recommended firmware 11.00.17.00 is responsible for displaying the menu in 1x1 mode. .

Спойлер (+)

#

- you can also activate the desired menu item the other way around. For example, activate the Cloud icon by replacing the values of some game with the number "14";
- in order to preserve the ability to change the location of icons in the phone settings, it is necessary that the location of the icons in the code be consistent and without gaps. For example, like this:

Спойлер (-)

#

56% original

HxD - J:\SPD_Research_Tool_R27.23.1902\imageFiles\DLFiles_2054_344D270_0\FF639V01_64X128_QVGA_CFB_Q3_SKU2_DS_BASIC_nvite...

Файл Правка Поиск Вид Анализ Инструменты Окно Справка

16 Windows (ANSI) hex

FF639V01_64X128_QVGA_CFB_Q3_SKU2_DS_BASIC_nvitem_QB_16QNB13HK00.bin

Специальные редакторы

Offset (h) 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F Декодированный те

00031E60 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

00031E70 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

00031E80 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

00031E90 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

00031EA0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

00031EB0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

00031EC0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

00031ED0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

00031EE0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

00031EF0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

00031F00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

00031F10 00 00 00 00 00 02 98 01 17 00 00 00 17 00 00 00

00031F20 01 00 00 00 02 00 00 00 09 00 00 00 14 00 00 00

00031F30 05 00 00 00 08 00 00 00 07 00 00 00 0E 00 00 00

00031F40 0C 00 00 00 04 00 00 00 0A 00 00 00 0D 00 00 00

00031F50 16 00 00 00 17 00 00 00 00 00 00 00 00 00 00 00

00031F60 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

00031F70 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

00031F80 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

00031F90 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

00031FA0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

00031FB0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

00031FC0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

00031FD0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

00031FE0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

Инспектор данных

Двоичный (8 бит) 10101000

Int8 [перейти к...](#) -88

UInt8 [перейти к...](#) 168

Int16 [перейти к...](#) 680

UInt16 [перейти к...](#) 680

Int24 [перейти к...](#) -5815064

UInt24 [перейти к...](#) 9962152

Int32 [перейти к...](#) 26739368

UInt32 [перейти к...](#) 26739368

Int64 [перейти к...](#) 98810987176

UInt64 [перейти к...](#) 98810987176

LEB128 [перейти к...](#) 296

ULEB128 [перейти к...](#) 296

AnsiChar / char8_t E

WideChar / char16_t ts

Порядок байт

☒ Little endian ☐ Big endian

☐ Шестнадцатеричный базис (для целых)

Контрольная сумма Поиск (0 совпадений)

Обновить

Алгоритм Контрольная сумма Использование

897 x 648 (86.86 KB)

Заккрыть

- after editing **!!! be sure!!! to click the "Save"** button in the form of a floppy disk in the upper left corner of the program. The red changed values should become black.

Step No. 5

- after saving, close the HxD editor;
- in the SPD Research Tool R27.23.1902 utility folder, find the file with the "*.bak" extension created by the HxD editor and move it to any other location on the PC;
- open the SPD Research Tool R27.23.1902 window from the tray;
- click the "Setting" button (the button with two gears), the "Download setting" window will open;
- in this window, select the "Main Page" tab, uncheck the "EraseUserNV" item, and confirm with the "Ok" button;

Step No. 6

- in SPD Research Tool R27.23.1902, click the "Start downloading" button (the button with the arrow to the right);
- with the phone turned off, press and hold the "*" ("Star");
- connect the cable from the PC to the phone;
- the burning process will begin;
- a little later, after the firmware recording process has started, you can release the "*" ("Star") button.
- after the firmware process is complete, stop the program by pressing the "Stop" button and disconnect the cable. Do not close the utility!!!;
- turn on the phone.

Step #7

- if the firmware with the edited menu was installed successfully, we proceed to creating the firmware;
- in SPD Research Tool R27.23.1902, press the "Setting" button (the button with two gears), the "Download setting" window will open;
- in the "Main Page" tab, press the "Packet" button.
- in the window that opens, in the first two lines, enter any information about the firmware being created;
- in the third line, specify the save path;
- confirm with the "OK" button. The firmware has been created.

Note!!!

What to do if after changing the code, nothing has changed in the phone menu?

The reasons may be both due to inattention to the process, and due to software bugs.

To avoid this:

- **use only proven recommended software (operability is not guaranteed on other versions);**
- **use the recommended firmware file for experiments (operability is not guaranteed on other files, since the code in regional firmware and in firmware with different software versions may differ significantly!!!);**
- **do not mix files of different firmware;**
- **use only the procedure described above.**

ATTENTION!!! The above is provided for informational purposes only.

!!! Remember that you perform all actions with the phone of your own free will at your own risk. The author is not responsible for the damaged device!!!

Заккрыть

Спойлер (–) (Editing the graphic logo of "Nokia")

#

All the steps below, as an example, were carried out with the recommended firmware 17.00.17.02 for Nokia 225 4G (2020).

Step No. 0

- before starting all the steps, it is recommended to make a backup.

Step No. 1

- download and install the recommended utilities;
- install the drivers;
- download the recommended firmware.

https://4pda.to/forum/index.php?showtopic=1007593&st=2160#entry135203855

30/48

Step No. 2

- run the SPD Research Tool R27.23.1902 utility and click the "Load packet" button (the button with a large gear);
- select the required modified version of the firmware (update) "*.pac" and confirm;
- click the "Setting" button (the button with two gears), the "Download setting" window will open;
- in this window, select the "Options" item, where you put a tick next to the "Power off" item, then click the "Ok" button;
- do not close the utility (you can minimize it to the tray).

Step No. 3

- in the SPD Research Tool R27.23.1902 utility folder, find the "ImageFiles" folder and open it;

Спойлер (–)

81% original

23.190

Локальный диск (C:) > SPD_Research_Tool_R27.23.1902

Пои

Сортировать

Просмотреть

Имя	Дата изменения	Тип	Размер
App	10.02.2025 01:57	Папка с файлами	
Backup	28.08.2024 11:28	Папка с файлами	
Driver	10.02.2025 01:57	Папка с файлами	
ImageFiles	10.02.2025 15:47	Папка с файлами	
Log	10.02.2025 01:57	Папка с файлами	
ReadFlash	29.08.2024 00:33	Папка с файлами	
Setting	10.02.2025 01:57	Папка с файлами	
System	10.02.2025 01:57	Папка с файлами	
CmdDloader.exe	27.08.2024 11:33	Приложение	54 КБ
Credits.txt	27.08.2024 11:33	Text Document	1 КБ
Download Latest Version	27.08.2024 11:33	Ярлык Интернета	1 КБ
How to Use	27.08.2024 11:33	Ярлык Интернета	1 КБ
ResearchDownload.exe	27.08.2024 11:33	Приложение	4 613 КБ

617 x 555 (41.17 KB)

Заккрыть

- find the folder "_DLFiles_" and open it;

Спойлер (–)

76% original

SPD_Research_Tool_R27.23.1902 > ImageFiles

Поиск

Сортировать

Просмотреть

Имя	Дата изменения	Тип	Размер
_DLFiles_2B78_2E97F7E0_0	10.02.2025 15:47	Папка с файлами	

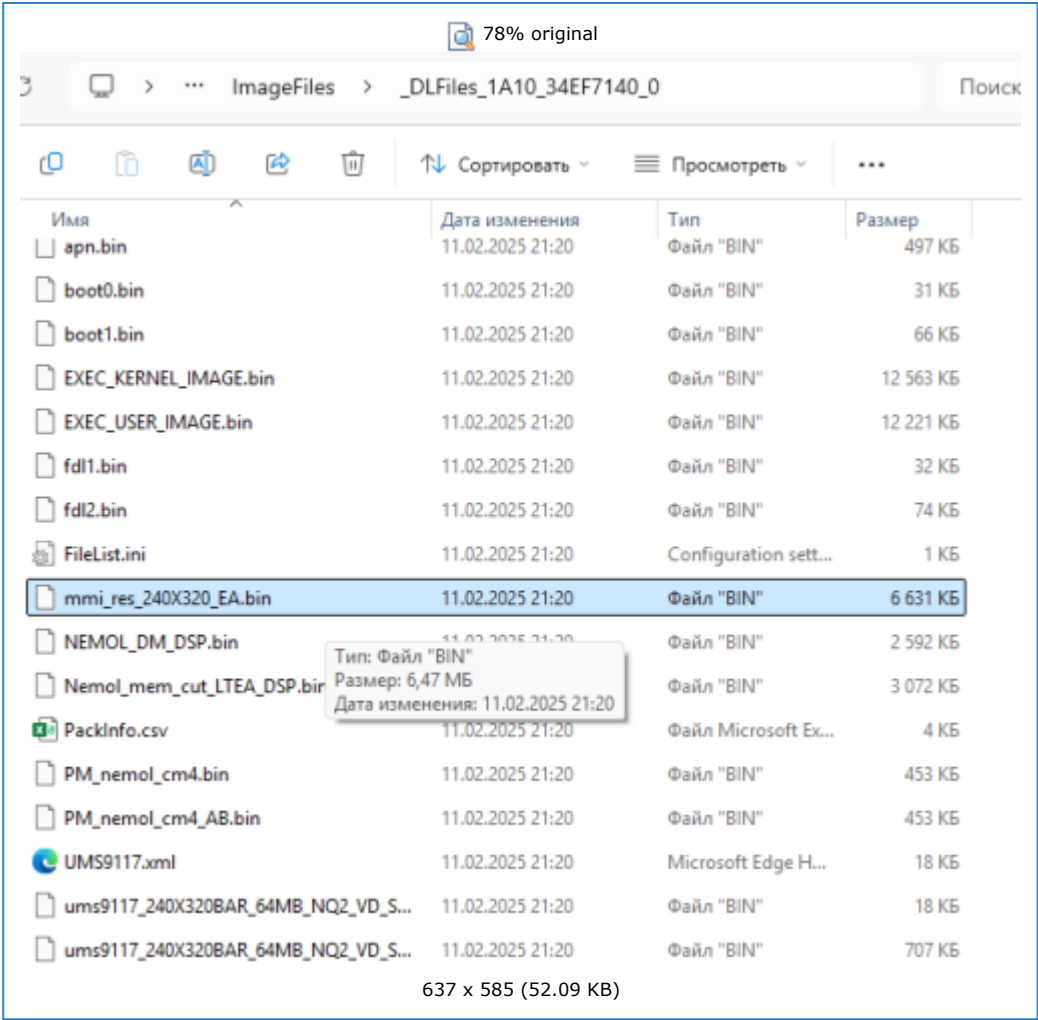
659 x 358 (14.01 KB)

Заккрыть

- find the file "mmi_res_240X320_EA.bin", which is indicated under the spoiler

Спойлер (–)

Заккрыть



Заккрыть

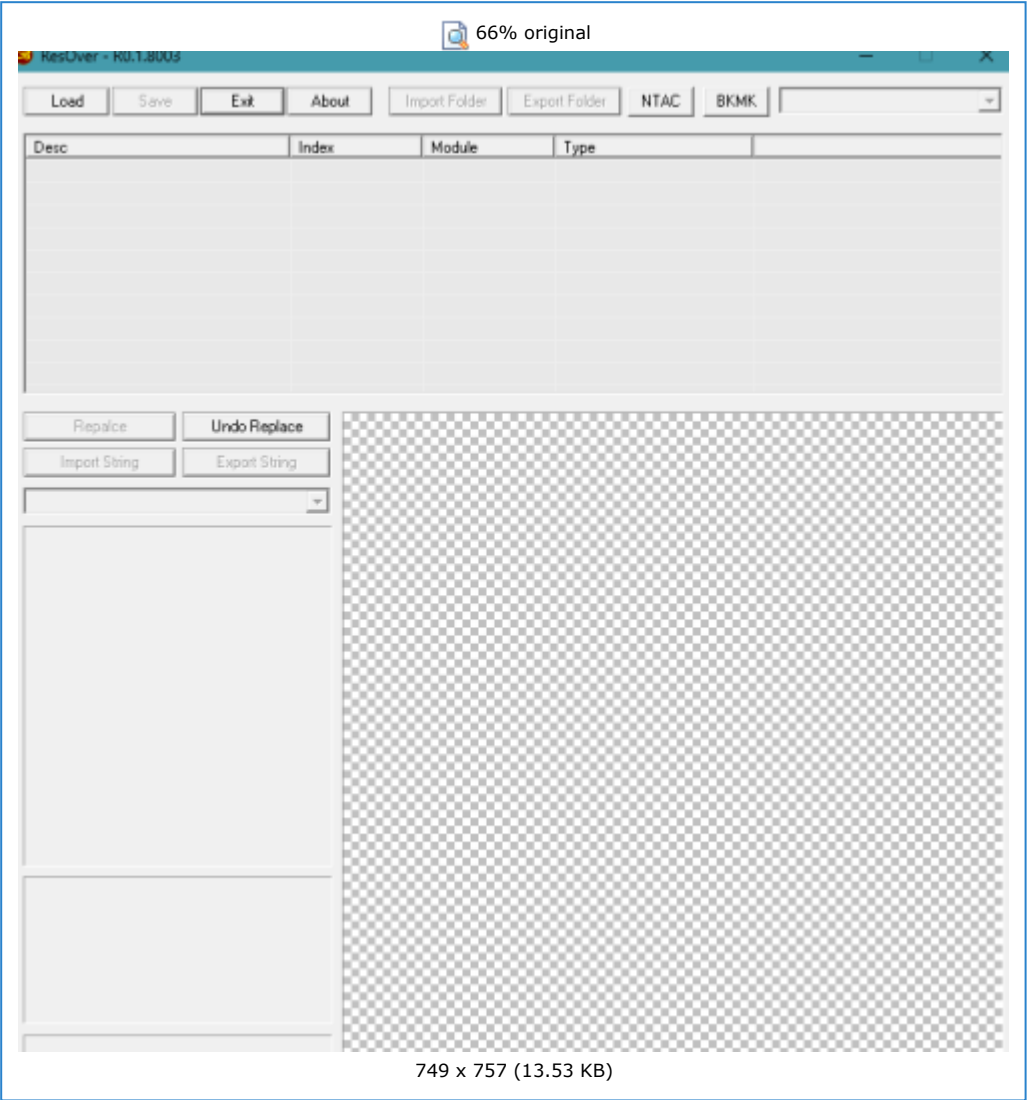
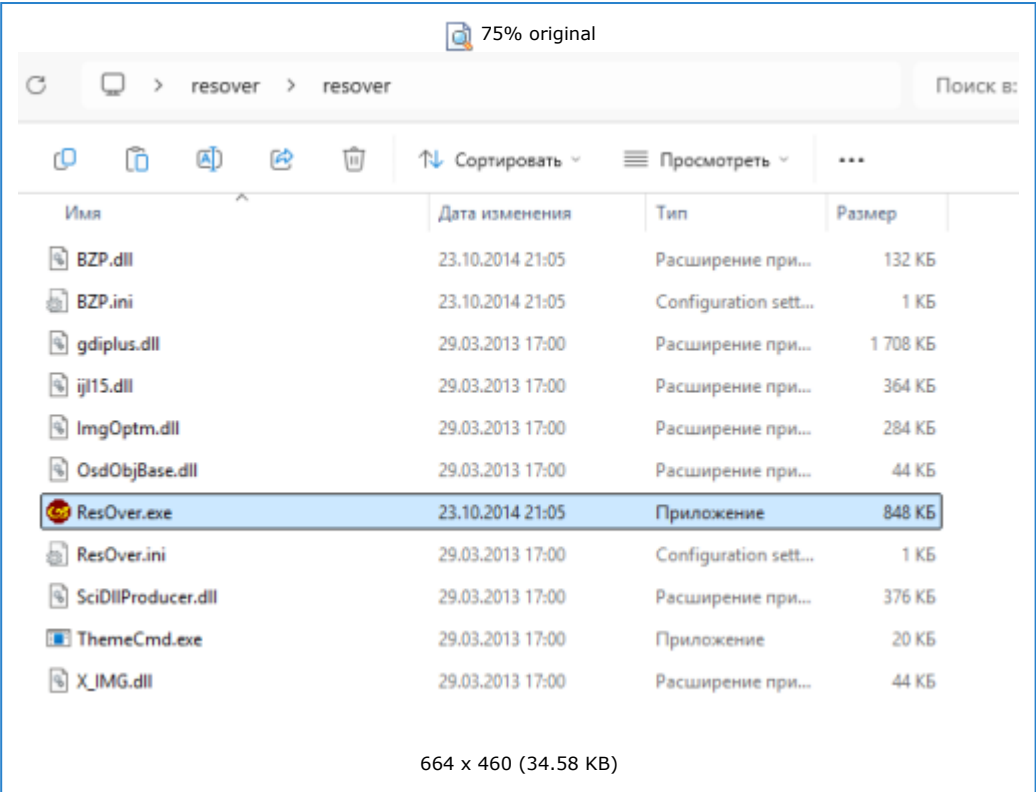
- and copy it to the PC;
- SPD Research Tool R27.23.1902 minimized to tray.

Step #4

- open the ResOver utility;

Спойлер (–)

#



Заккрыть

- click the "Load" button and select the copied file "mmi_res_240X320_EA.bin" to load;

Спойлер (—)

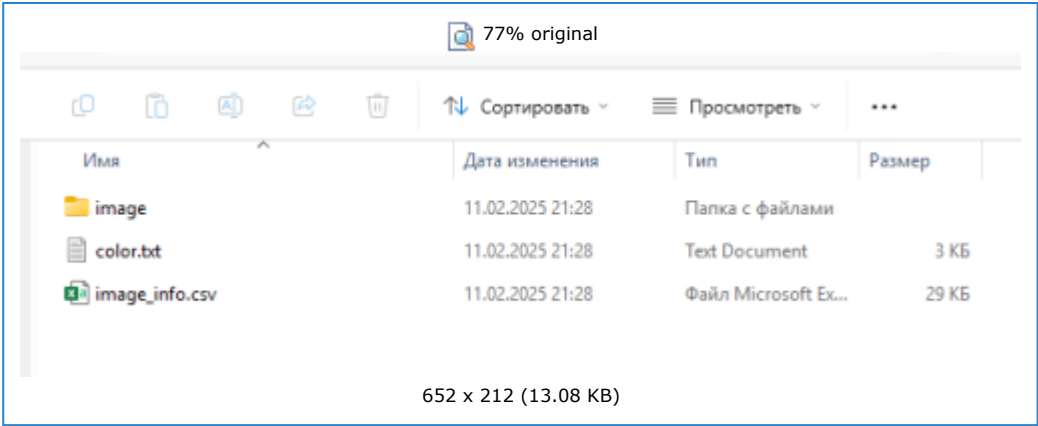
#



Спойлер (-)



- ### Спойлер (-)

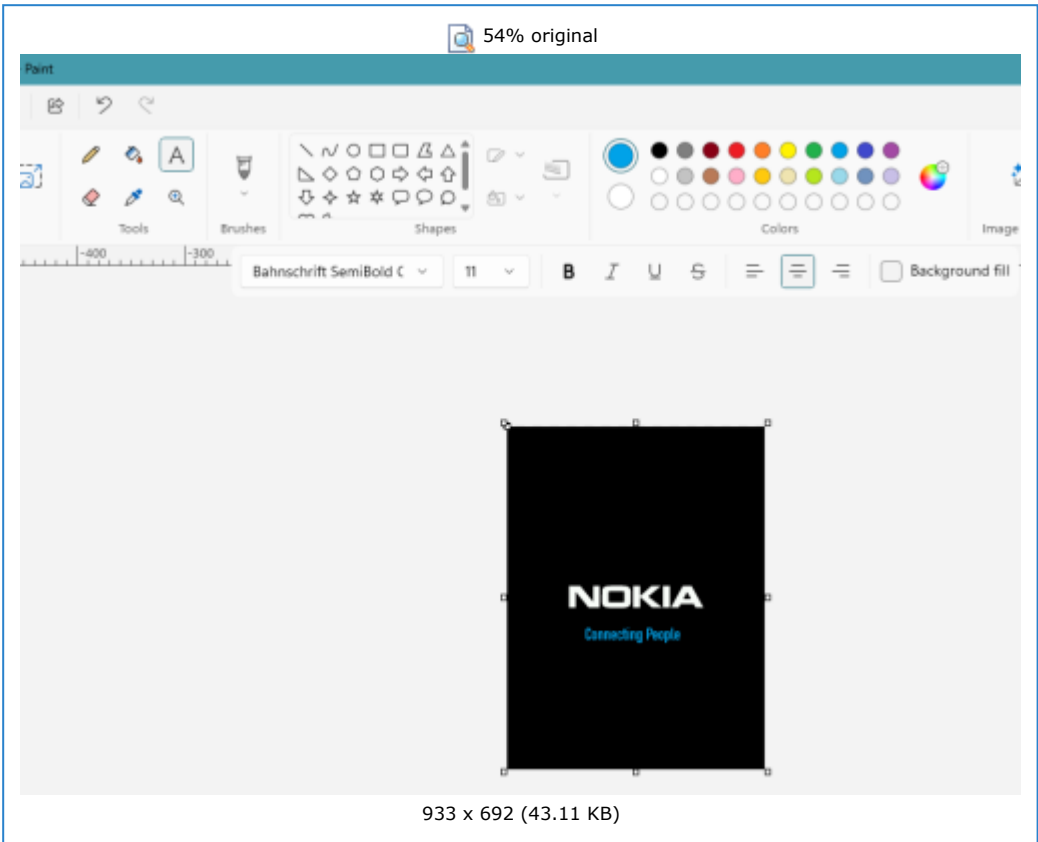


Заккрыть

- minimize the program to the tray.
- Step #5**
- find the file "IMAGE_POWER_ON.PNG" in the "image" folder and open it in a graphics editor, for example, Paint (Windows);
 - edit it, for example, add some text;

Спойлер (–)

#

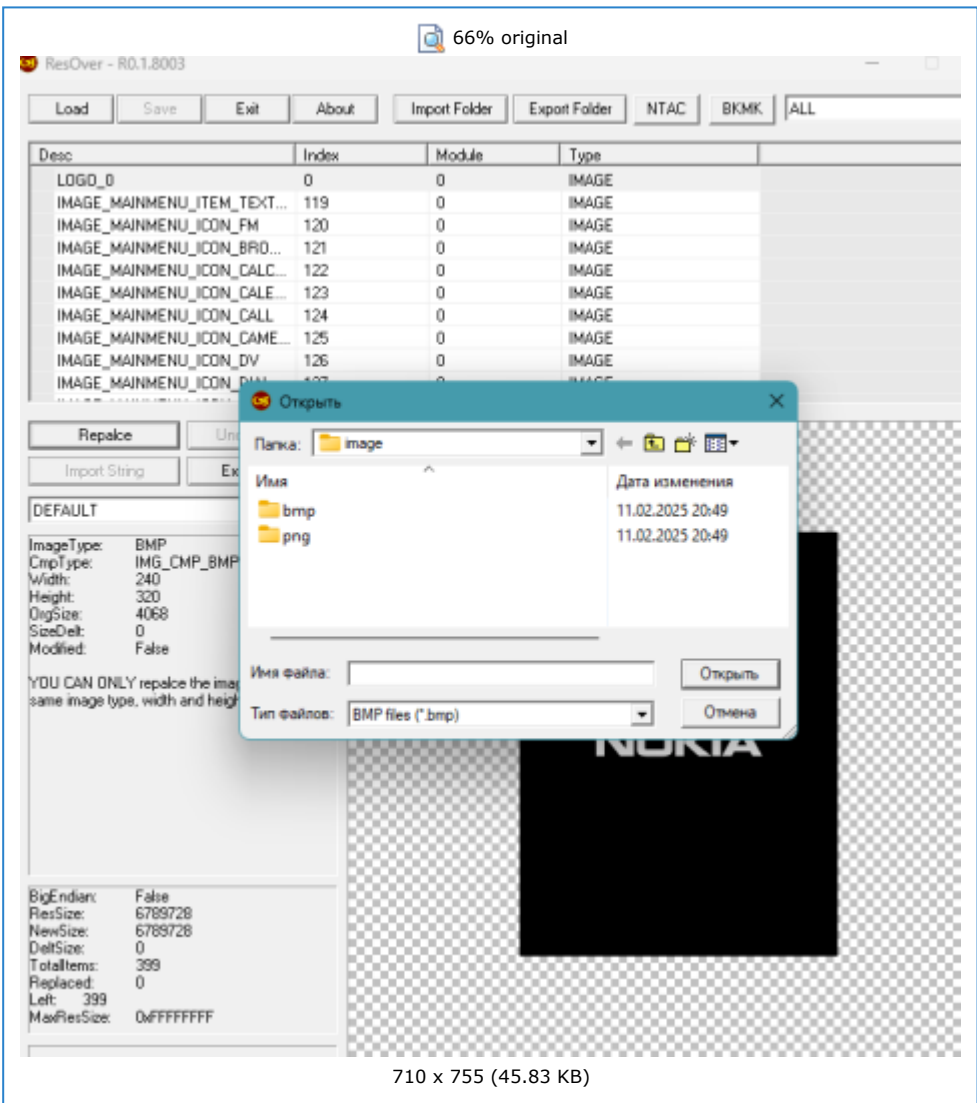


Заккрыть

- save it via "Save as..." in ".PNG" and ".BMP" formats;

Спойлер (–)

#



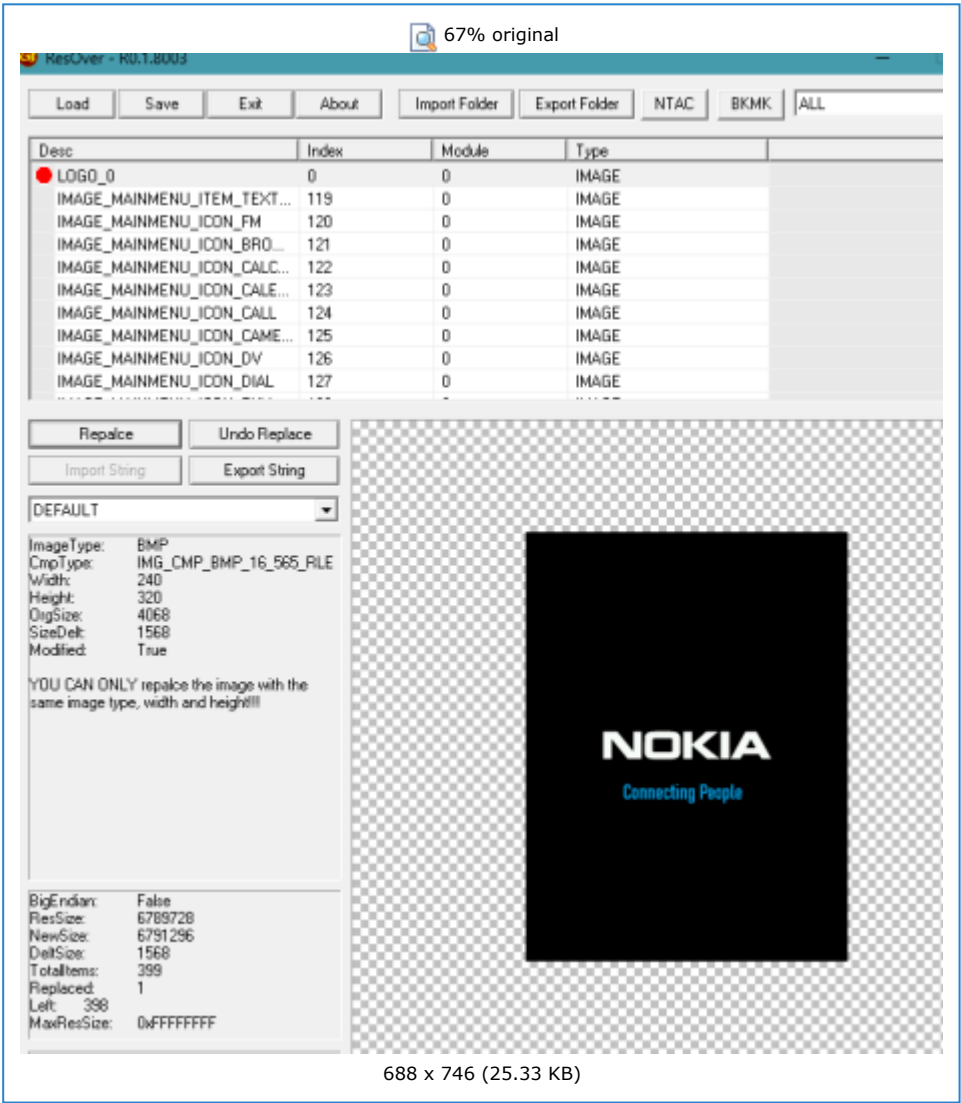
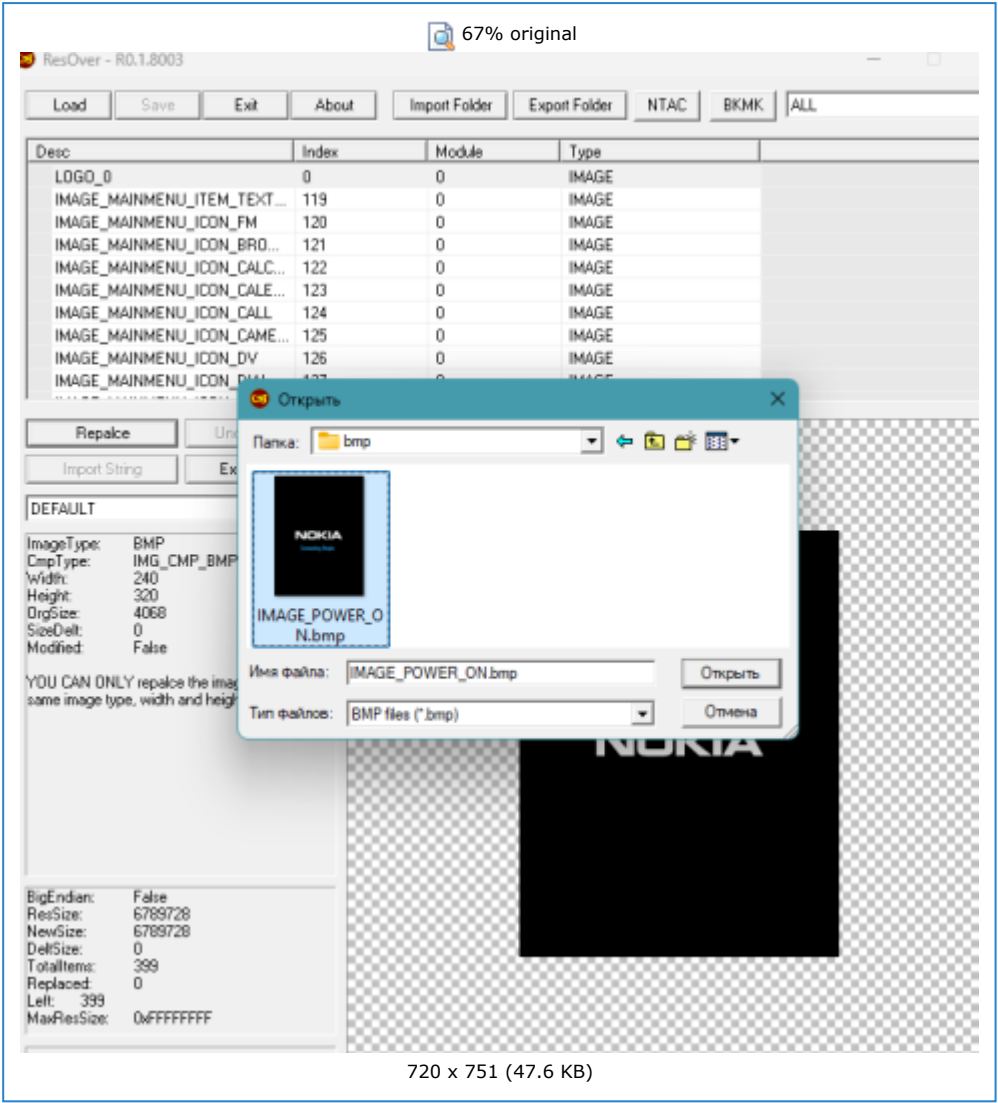
Закреть

Step #6

- open the ResOver utility from the tray;
- press the "Repair" button;
- select the edited file "IMAGE_POWER_ON.BMP" and confirm;

Спойлер (–)

#



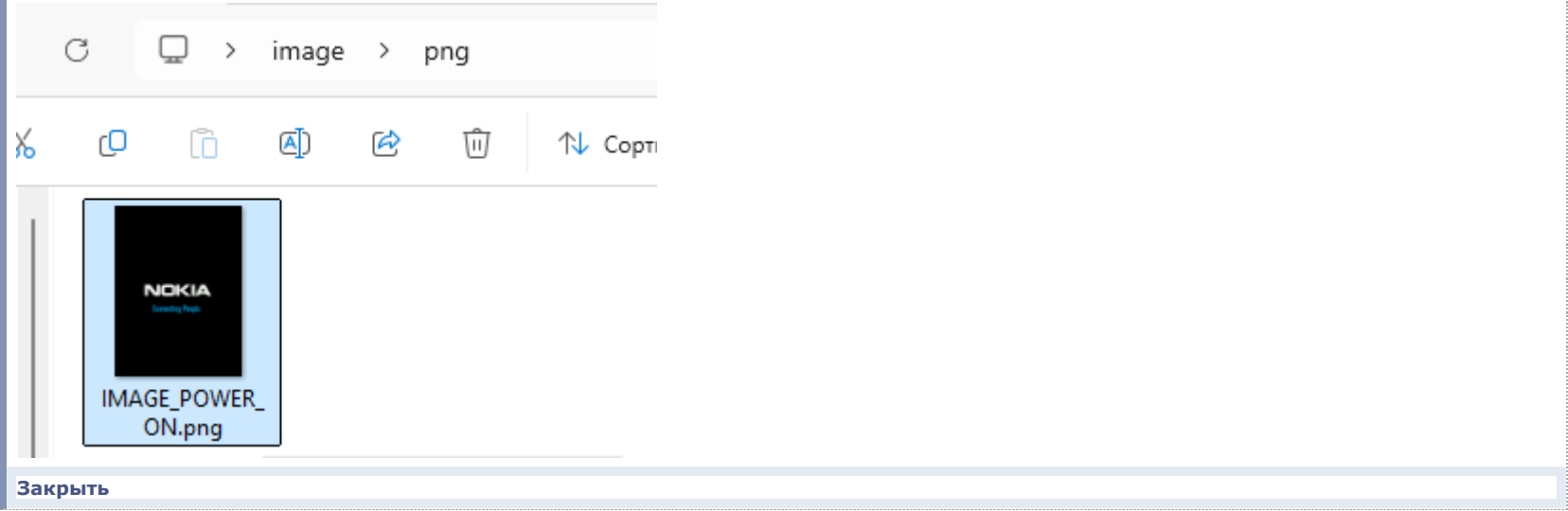
Закреть

Attention! This action above is necessary specifically for the splash screen, so that the added text is visible throughout the splash screen display. If you do not do this, the text will appear for a couple of seconds and disappear.

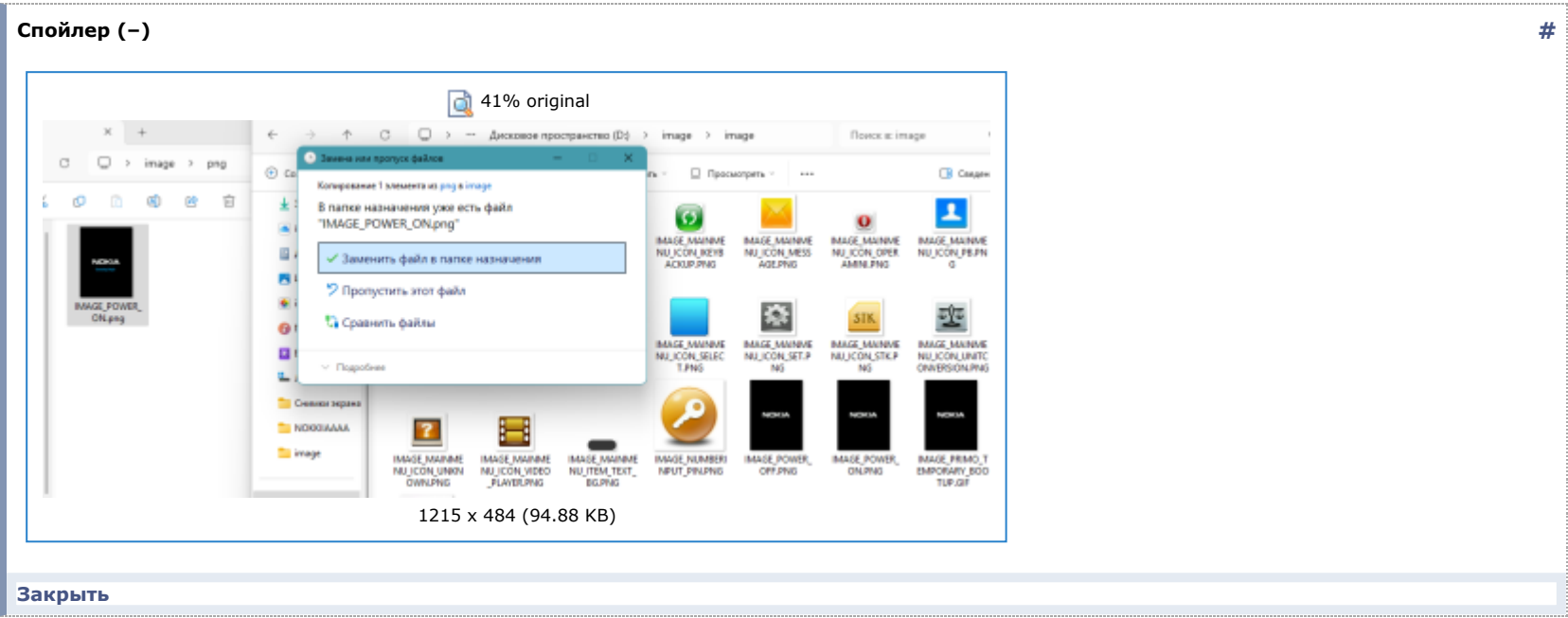
- select the edited file "IMAGE_POWER_ON.png" and move it to the "image" folder;

Спойлер (–)

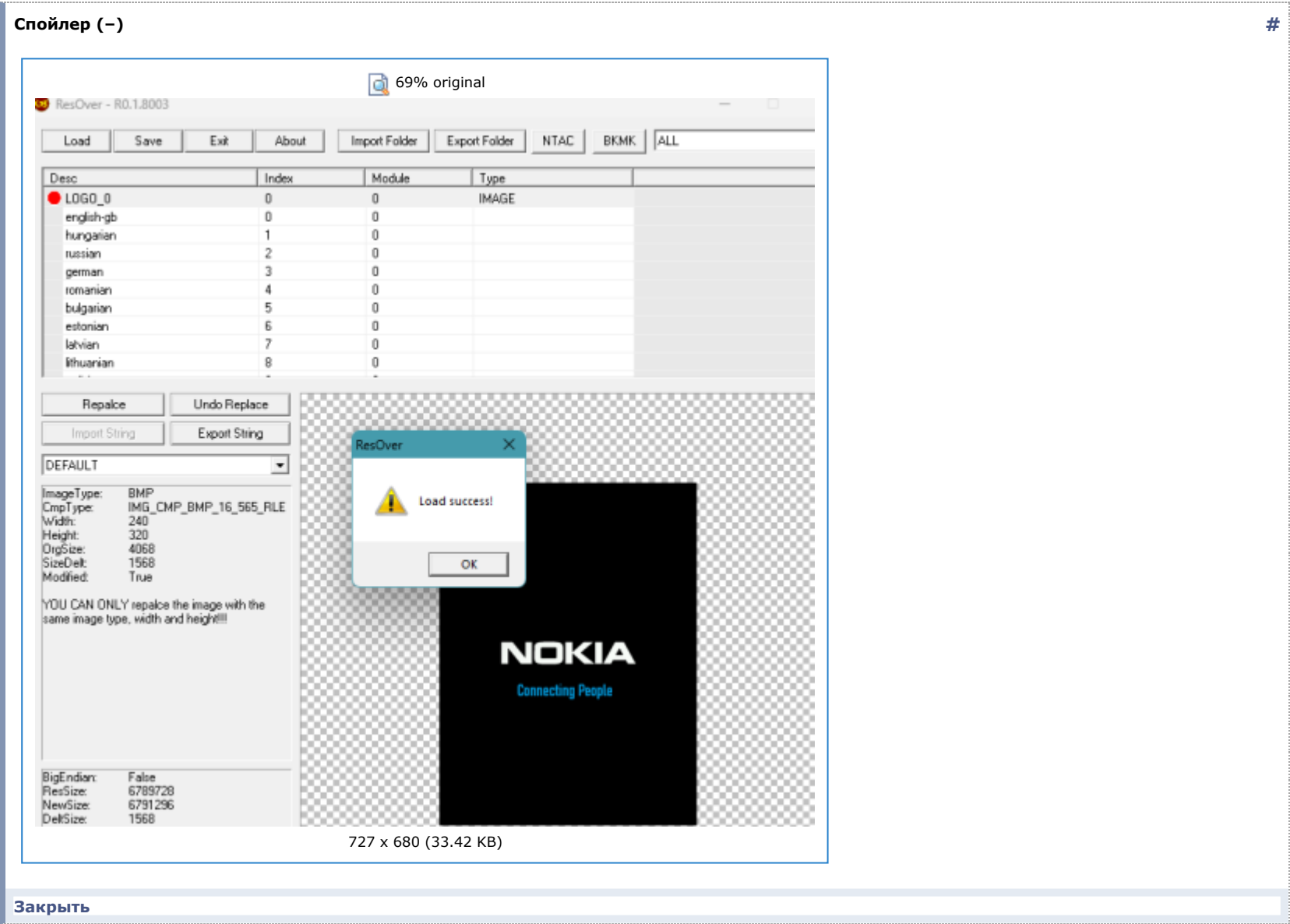
#



- we confirm the replacement;

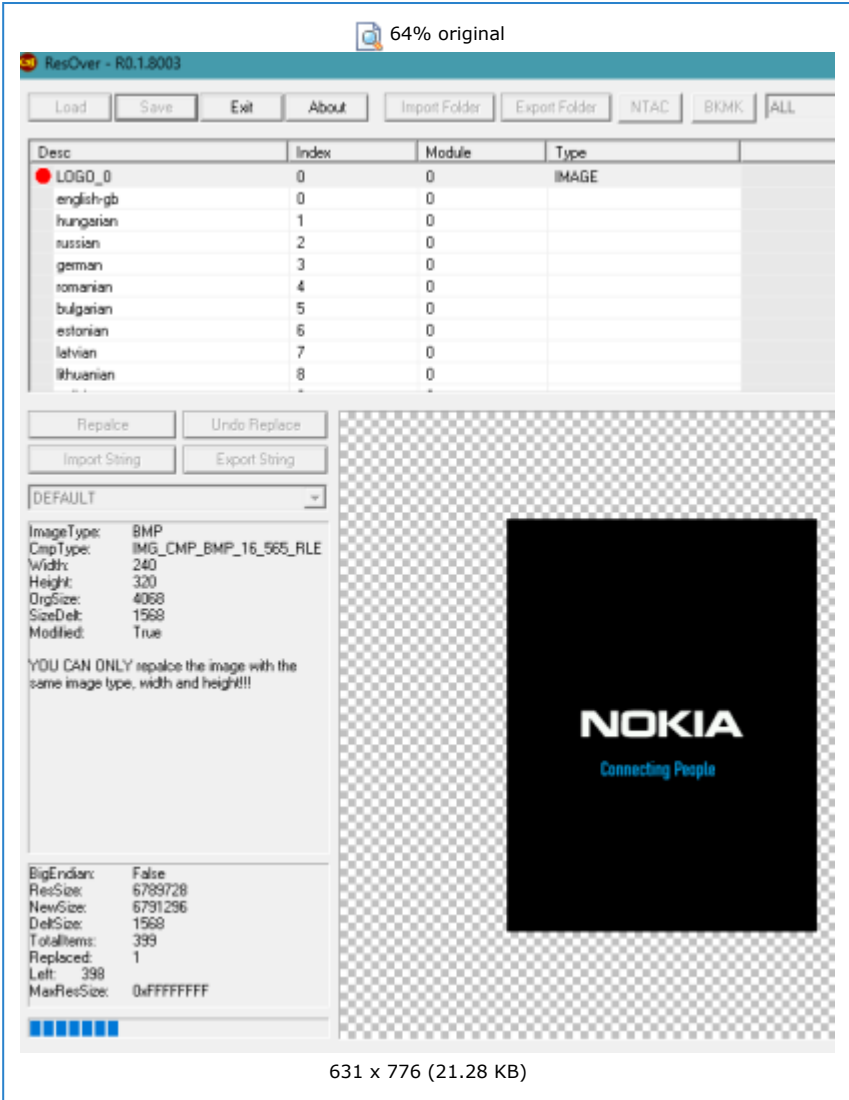


- in the utility, click the "Import Folder" button;
- select the folder with three files and confirm;
- after loading, click "OK";



- in the utility, click the "Save" button and select the save location, copy the name of the original file "mmi_res_240X320_EA.bin" to the new file;
- the saving process will begin;



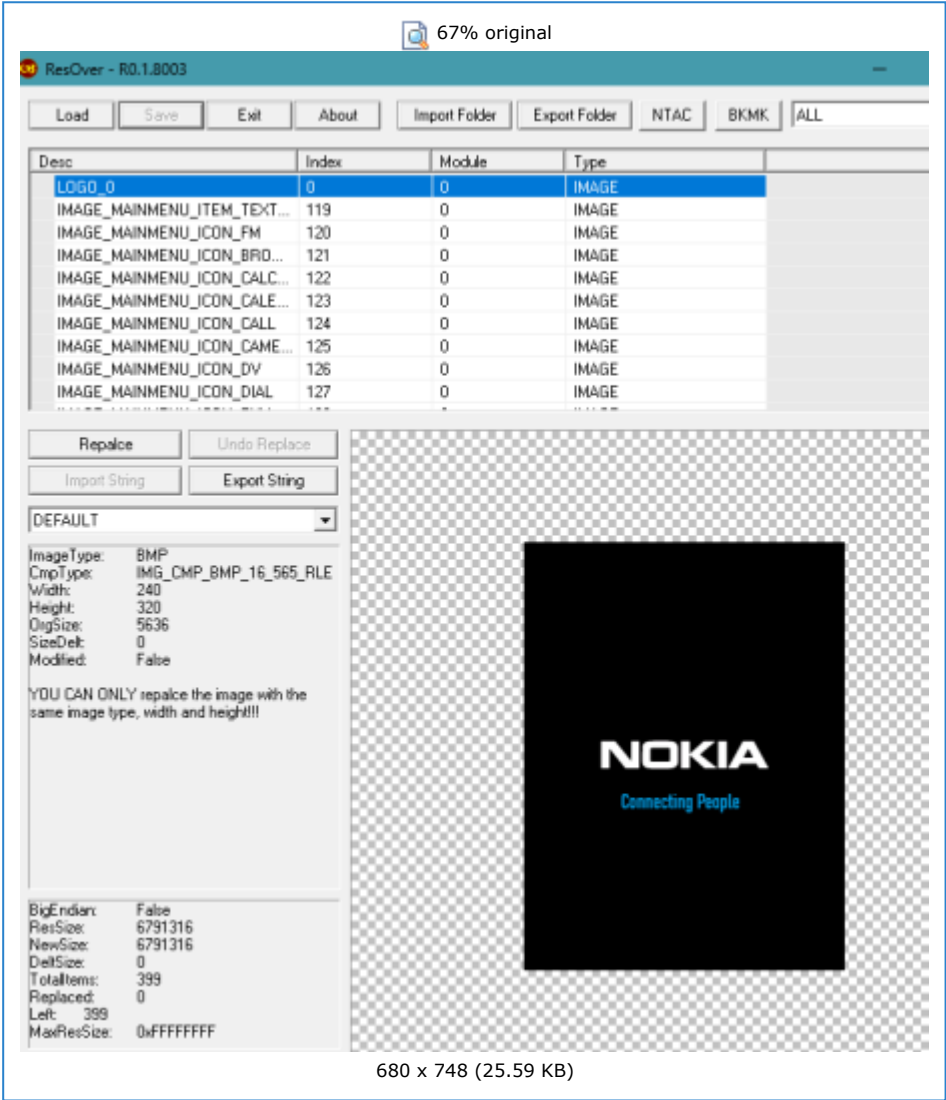
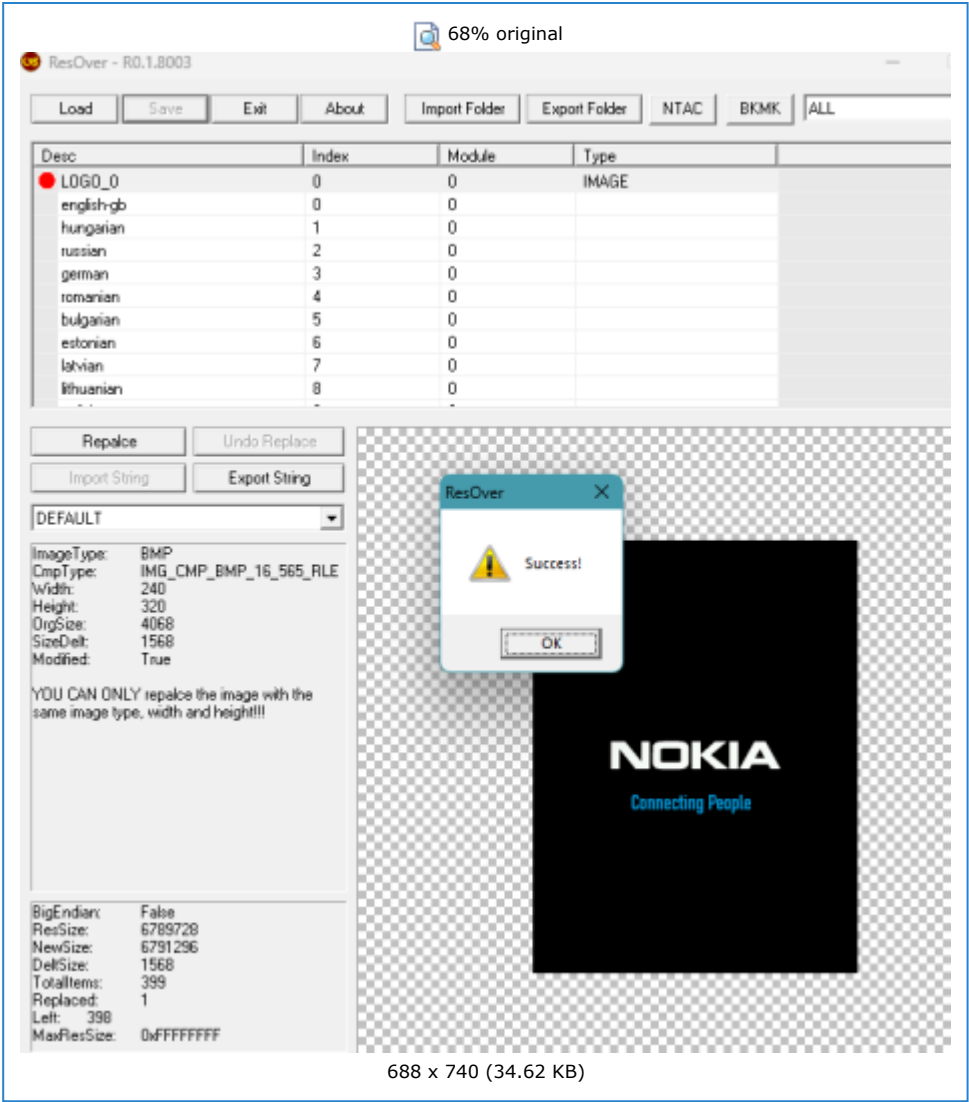


Закрыть

- when finished, confirm with "OK";

Спойлер (–)

#



Закреть

Step #7

- expand SPD Research Tool R27.23.1902 from the tray;
- transfer the newly edited file to the "_DLFiles_" folder and agree to the replacement;
- press the "Setting" button (the button with two gears), the "Download setting" window will open;
- in this window, select the "Main Page" tab, uncheck the "EraseUserNV" item, and confirm with the "Ok" button.

Next, copy the actions in step #6 and step #7 from the spoiler "Editing the main menu, creating firmware for Nokia 215 4G (2020) / Nokia 225 4G (2020) phones".

ATTENTION!!! The above is provided for informational purposes only.
!!! Remember that you carry out all actions with the phone of your own free will at your own risk. The author is not responsible for any damage to the device!!!

Закреть

Спойлер (–) (Editing graphics)

#

Required software:

- SPD Research Tool R27.23.1902;
- SPD Research Tool R27.24.2301 (for backup);
- ResOver;
- Paint (Windows).

All actions below, as an example, were performed with the recommended firmware 11.00.17.00 for Nokia 215/220 4G (2024).

Step #0

- before starting all actions, it is recommended to make a backup.

Step #1

- download and install recommended utilities;
- install drivers;
- download recommended firmware.

Step #2

- extract the "mmi_res_240X320_bin" file from the recommended firmware (see details above) or edit the file from the backup of your phone (see details above).

Step #3

- open the ResOver utility;
- press the "Load" button and select the copied file "mmi_res_240X320_bin" for loading;
- press the "Export Folder" button, select the save location and confirm;
- create a folder with any name in the selected location, using Latin;
- find three files (the folder with the files "image", "color.txt", "image_info.csv") created by the utility and collect them in a new folder;
- minimize the program to the tray.

Step # 4

- then select for editing only those graphic files that the device displays!
- in the "image" folder, find the necessary graphic files for editing, open them in a graphic editor, for example, in Paint (Windows);
- edit them, for example, change the color;
- try, for starters, changing the color of the battery in the status bar (depending on the discharge-charge) in the following graphic files:

Спойлер (–) #

IMAGE_IDLE_TITLE_ICON_BATTERY0;
IMAGE_IDLE_TITLE_ICON_BATTERY1;
IMAGE_IDLE_TITLE_ICON_BATTERY2;
IMAGE_IDLE_TITLE_ICON_BATTERY3;
IMAGE_IDLE_TITLE_ICON_BATTERY4;
IMAGE_IDLE_TITLE_ICON_BATTERY5;
IMAGE_IDLE_TITLE_ICON_BATTERY6;
IMAGE_IDLE_TITLE_ICON_BATTERY7;
IMAGE_IDLE_TITLE_ICON_BATTERY8;
IMAGE_IDLE_TITLE_ICON_BATTERY9;
IMAGE_IDLE_TITLE_ICON_BATTERY10;
IMAGE_IDLE_TITLE_ICON_BATTERY_CHARGED

Заккрыть

- save them in the format and with the size specified in the file "image_info.csv";

Step No. 5

- expand the ResOver utility from the tray;
- select the edited graphic files and move them to the "image" folder;
- confirm the replacement;
- in the utility, click the "Import Folder" button;
- select the folder with three files and confirm;
- after loading, click "OK";
- click the "Save" button and select the save location, copy the name of the original file "mmi_res_240X320_bin" to the new file;
- the saving process will begin;
- when finished, confirm "OK";

Step No. 6

- in the SPD Research Tool R27.23.1902 utility, move the new edited file to the "_DLFiles_____" folder and agree to the replacement;
- flash (see details above).

ATTENTION!!! The above is provided for informational purposes only.
!!!Remember that you perform all actions with the phone at your own discretion and risk. The author is not responsible for any damage to the device!!!

Заккрыть

Спойлер (–) (Editing text strings) #

All actions below, as an example, were carried out on the recommended firmware 11.00.17.00 for Nokia 215/220 4G (2024).

Step No. 0

- before starting all actions, it is recommended to make a backup.

Step No. 1

- download and install the recommended utilities;
- install the drivers;
- download the recommended firmware.

Step No. 2

- run the SPD Research Tool R27.23.1902 utility and click the "Load packet" button (the button with a large gear);
- select the required modified version of the firmware (update) "*.pac" and confirm;
- click the "Setting" button (the button with two gears), the "Download setting" window will open;
- in this window, select the "Options" item, where you put a tick next to the "Power off" item, then click the "Ok" button;
- do not close the utility (you can minimize it to the tray).

Step #3

- in the SPD Research Tool R27.23.1902 utility folder, find the "ImageFiles" folder and open it;
- find the "_DLFiles_" folder and open it;
- find the "mmi_res_240X320_QB.bin" file, which is indicated under the spoiler , and copy it to your PC;
- do not close SPD Research Tool R27.23.1902, but minimize it to the tray.

Step #4

- open the ResOver utility;

Спойлер (–)

75% original

resover > resover

Поиск в:

Сортировать Просмотреть

Имя	Дата изменения	Тип	Размер
BZP.dll	23.10.2014 21:05	Расширение при...	132 КБ
BZP.ini	23.10.2014 21:05	Configuration sett...	1 КБ
gdiplus.dll	29.03.2013 17:00	Расширение при...	1 708 КБ
ijl15.dll	29.03.2013 17:00	Расширение при...	364 КБ
ImgOptm.dll	29.03.2013 17:00	Расширение при...	284 КБ
OsdObjBase.dll	29.03.2013 17:00	Расширение при...	44 КБ
ResOver.exe	23.10.2014 21:05	Приложение	848 КБ
ResOver.ini	29.03.2013 17:00	Configuration sett...	1 КБ
SciDllProducer.dll	29.03.2013 17:00	Расширение при...	376 КБ
ThemeCmd.exe	29.03.2013 17:00	Приложение	20 КБ
X_IMG.dll	29.03.2013 17:00	Расширение при...	44 КБ

664 x 460 (34.58 KB)

66% original

ResOver - R0.1.8005

Load Save Exit About Import Folder Export Folder NTAC ВКМК

Desc	Index	Module	Type
------	-------	--------	------

Repairce Undo Replace Import Sting Export Sting

749 x 757 (13.53 KB)

Заккрыть

https://4pda.to/forum/index.php?showtopic=1007593&st=2160#entry135203855

41/48

- press the "Load" button and select the copied file "mmi_res_240X320_QB.bin" for loading;
- press the "Export string" button, select any file name in Latin, save location and confirm;
- minimize the program to tray.

Step #5

- open the file created by the utility in the ".xls" (excel) format;

Спойлер (–) #

1168 x 692 (150.87 KB)

Заккрыть

- edit the necessary text lines and save.
- Step #6
- open the ResOver utility from the tray;
 - click the "Import string" button;
 - select the edited file in ".xls" (excel) format and confirm;
 - the program will load the changes;

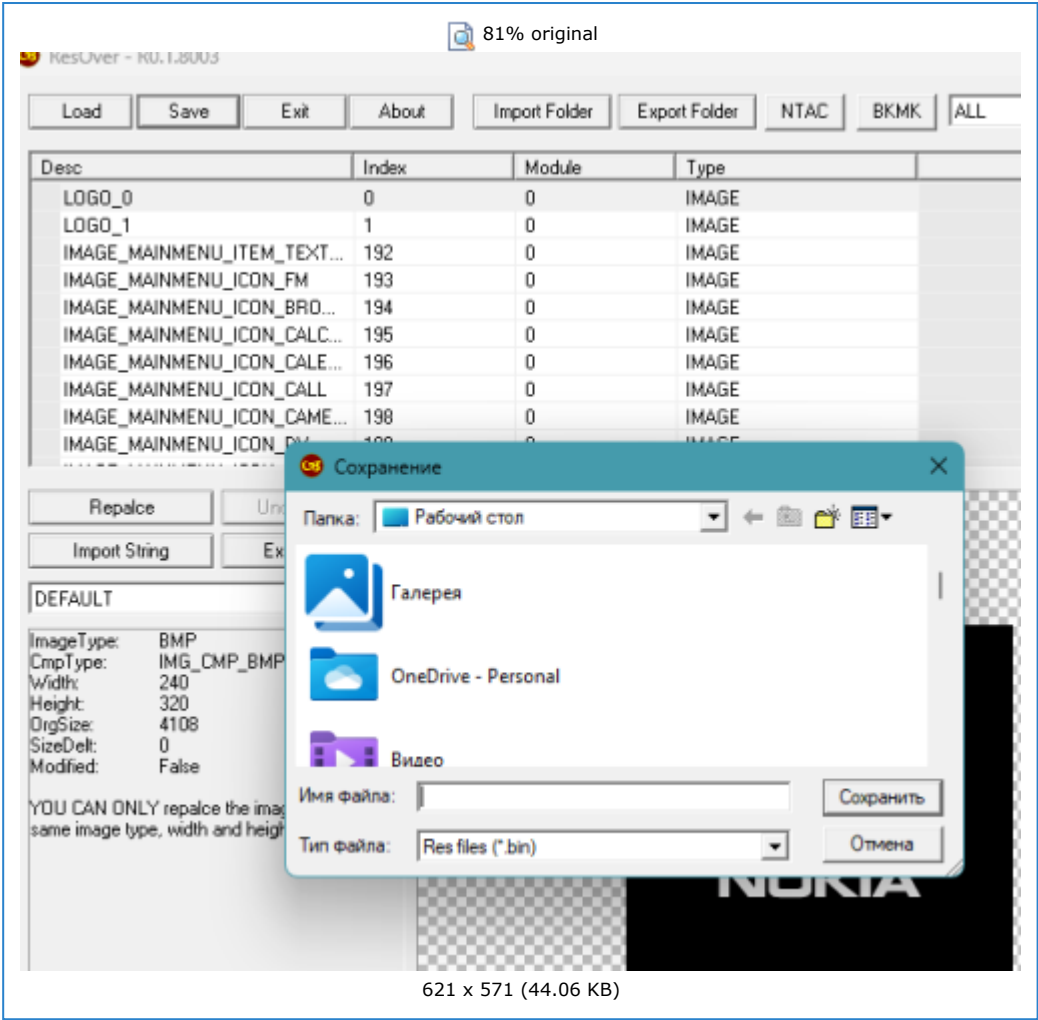
Спойлер (–) #

517 x 536 (29.53 KB)

Заккрыть

- press confirmation;
- press the "Save" button in the utility, select a name for the future file and the save location;

Спойлер (–) #

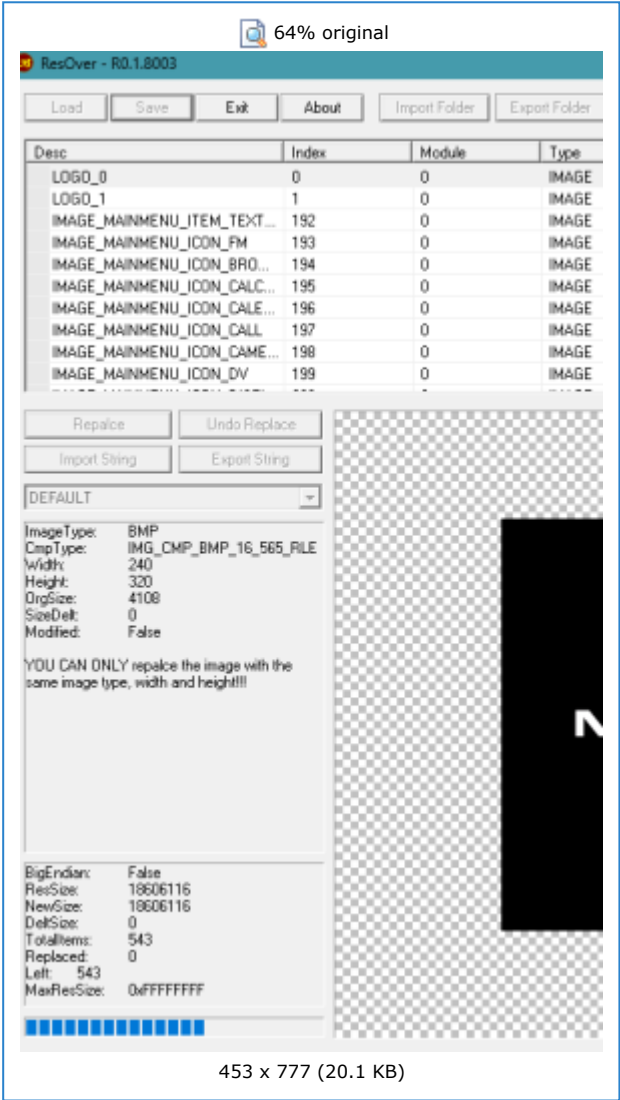


Заккрыть

- the saving process will begin;

Спойлер (–)

#



Заккрыть

- when finished, confirm with "OK";

Спойлер (–)

#

84% original

ResOver - R0.1.8003

Load

Save

Exit

About

Import Folder

Export Folder

NTAC

Desc	Index	Module	Type
LOGO_0	0	0	IMAGE
LOGO_1	1	0	IMAGE
IMAGE_MAINMENU_ITEM_TEXT...	192	0	IMAGE
IMAGE_MAINMENU_ICON_FM	193	0	IMAGE
IMAGE_MAINMENU_ICON_BRO...	194	0	IMAGE
IMAGE_MAINMENU_ICON_CALC...	195	0	IMAGE
IMAGE_MAINMENU_ICON_CALE...	196	0	IMAGE
IMAGE_MAINMENU_ICON_CALL	197	0	IMAGE
IMAGE_MAINMENU_ICON_CAME...	198	0	IMAGE
IMAGE_MAINMENU_ICON_DV	199	0	IMAGE

Repalce

Undo Replace

Import String

Export String

DEFAULT

ImageType: BMP
CmpType: IMG_CMP_BMP_16_565_RLE
Width: 240
Height: 320
OrgSize: 4108
SizeDelt: 0
Modified: False

YOU CAN ONLY repalce the image with the same image type, width and height!!!

506 x 592 (29.54 KB)

ResOver

Success!

OK

Закрыть

- rename the new file with the name of the original file "mmi_res_240X320_QB.bin".

Step #7

- install the firmware with the edited file "mmi_res_240X320_QB.bin";

- expand SPD Research Tool R27.23.1902 from the tray;

- move the new edited file "mmi_res_240X320_QB.bin" to the "_DLFiles_____" folder and agree to the replacement.

Next, copy the actions in step #6 and step #7 from the spoiler "Editing the main menu, creating firmware for Nokia 215 4G (2020) / Nokia 225 4G (2020) phones".

In order not to multiply firmware, I am posting below in the archive the already edited file "mmi_res_240X320_QB.bin" for Nokia 215/220 4G (2024), which can be quickly added to the firmware by replacing.

 [Variant#2.rar](#) (7.38 MB)

What has been edited in the Cyrillic language pack:

- the number of running lines has been reduced, but they may still occur;
- some machine translation words have been replaced with words of live speech (closer in meaning).

I think it should also suit the entire line of phones with 4G in 2024.

In order to make a more perfect localization, write to me in a personal message if there are options for replacing any text in the firmware.

ATTENTION!!! The above is provided for informational purposes only.

!!! Remember that you carry out all actions with the phone of your own free will at your own peril and risk. The author is not responsible for the damaged device!!!

Закрыть

Спойлер (-) (Editing the color of text lines)

#

Required software:

- SPD Research Tool R27.23.1902;

- SPD Research Tool R27.24.2301 (for backup);

- ResOver.

All actions below, as an example, were performed with the recommended firmware 11.00.17.00 for Nokia 215/220 4G (2024).

Step #0

- before starting all actions, it is recommended to make a backup.

Step #1

- download and install recommended utilities;

- install drivers;

- download recommended firmware.

Step #2

- extract the file "mmi_res_240X320_bin" from the recommended firmware (see details above) or edit the file from the backup of

your phone (see details above).

Step #3

- open the ResOver utility;
- press the "Load" button and select the copied file "mmi_res_240X320_bin" for loading;
- in the upper right corner, press the context menu and select "COLOR";
- select the necessary item for editing:
- press the "Repair" button;
- in the opened window, select the color and confirm (to cancel the color, there is an "Undo Repalce" button);
- try, for starters, changing the color of the following lines:

Спойлер (–)

#

COLOR_RES_TITLE (titles, submenu titles);
COLOR_RES_MENU (Options menu);
COLOR_RES_POPMENU (pop-up menus);
COLOR_RES_MAINMENU_FONT (icons in the main menu and some functions in the submenu) - better not to touch for now;
COLOR_RES_LIST_ITEM_SMALL_FONT (very small font in some functions).

I didn't dig further, there is no need. Those who really need it will be able to find it by trial and error.

Заккрыть

Step #4

- click the "Save" button and select the save location, copy the name of the original file "mmi_res_240X320_bin" to the new file;
- the saving process will begin;
- confirm "OK" when finished.

Step #5

- in the SPD Research Tool R27.23.1902 utility, move the new edited file to the "_DLFiles_____" folder and agree to the replacement;
- flash (see details above).

ATTENTION!!! The above is provided for informational purposes only.
!!! Remember that you perform all actions with the phone of your own free will at your own risk. The author is not responsible for the damaged device!!!

Заккрыть

Спойлер (–) (Replacement of languages)

#

Required software: SPD Research Tool R27.23.1902.

At the moment, languages can only be changed:

- on related firmware versions of the same version;
- on firmware versions that do not have a version conflict.

Example #1
On a Nokia 225 4G (2020) device with firmware version 17.00.17.02 installed with the language pack code EA, you can install a backup of the files "ums9117_240X320BAR_64MB_NQ2_VD_SEC_nvitem_bin", "mmi_res_240X320_bin", merged from Nokia 225 4G (2020) with version 17.00.17.00 with the code AA.

Example #2
You cannot install a backup of the files "ums9117_240X320BAR_64MB_NQ2_VD_SEC_nvitem_bin" and "mmi_res_240X320_bin" on a Nokia 225 4G (2020) device with version 12.00.17.00 installed. Firmware versions 17 and 12 differ significantly (in the software part of the device).

Example #3:
On a Nokia 215 4G (2024) device with firmware version 11.00.17.00 installed with the language pack code QB, you can install a backup of the files "FF639V01_64X128_QVGA_CF8_Q3_SKU2_DS_ _nvitem_ _bin" and "mmi_res_240X320_bin" merged from Nokia 215 4G (2024) with version 11.00.17.00 with the code AE.

Example #4
You cannot install the backup files "FF639V01_64X128_QVGA_CF8_Q3_SKU2_DS_ _nvitem_ _bin" and "mmi_res_240X320_bin" merged from Nokia 215 4G (2024) with version 14.00.17.00 on a Nokia 215 4G (2024) device with firmware version 11.00.17.00. Firmware 14 and 11 differ significantly (in the software part of the device).

The language change options in the above examples apply to all models with 4G, in the 2020 and 2024 lines. The names of the language packs are conditional and are given as an example.

The order of replacing languages:

Step №1

- download and install the recommended utility;
- install the drivers;
- download the recommended firmware.

Step №2

- launch the SPD Research Tool R27.23.1902 utility;
- press the "Load packet" button (the button with a large gear);
- select the required firmware version "*.pac" for your device and confirm;
- open the "ImageFiles" folder in the utility;
- open the "_DLFiles_....." folder;
- rename the files below, which we are going to copy, to the original name of the same files located in the folder «_DLFiles_.....»:

for Nokia 215/225 4G (2020):

"ums9117_240X320BAR_64MB_NQ2_VD_SEC_nvitem_bin" (instead of dots, the LangPack Code and Product Code of the firmware will be indicated);

"mmi_res_240X320_bin" (instead of dots, the LangPack Code sewn into the file will be indicated);

for Nokia 215/220/225/235/3210 4G (2024):

"FF639V01_64X128_QVGA_CF8_Q3_SKU2_DS_ _nvitem_ _bin" (instead of dots, the Codename, LangPack Code and Product Code of the firmware will be indicated);

"mmi_res_240X320_bin" (instead of dots, the LangPack Code sewn into the file will be indicated);

- copy the renamed files to the "_DLFiles_....." folder;
- agree to the replacement;
- press the "Start downloading" button (the button with the arrow to the right);
- remove the battery from the phone and put it back;

- with the phone turned off, press and hold the "LSB" button ("Left software button" is located just above the "Call" button) for **Nokia 215/225 4G (2020)** ;
- with the phone turned off, press and hold the "*" ("Star") button for **Nokia 215/220/225/235/3210 4G (2024)** ;

- connect the cable;
- a little later, after the firmware recording process starts, you can release the button on the phone;
- after the reading process is complete, stop the program with the "Stop" button and disconnect the cable;
- turn on the phone.

The mmi_res_240X320_bin file contains the firmware graphics and text. However, this file is closely related to _nvitem_bin. Therefore, it is advisable to install these files together.

Cyrillic localization files for devices:

- Nokia 215/220 4G (2024) with software version 11.00.17.00 :

Features:

- language code: En; Ru; Ro; Am; Az; Ge; Kz; Ua; By; Uz;
- T9 in the Cyrillic layout works;

- **Only for devices with firmware 11!!!**

 [local_cirillic_11_00_17_00_Nokia215_4G2024.rar](#) (2.32 MB)

- Nokia 225 4G (2020) with software version 17.0x.17.0x :

Features:

- language code: En; Ru; Ro; Am; Az; Ge; Kz; Ua; By; Uz;
- T9 in the Cyrillic layout works;

- **Only for devices with firmware 17!!!**

 [local_cirillic_17_00_17_00_Nokia225_4G2020.rar](#) (2.53 MB)

A T T I N G I N G !!!

Incorrect software intervention can lead to the following device states:

- eternal reboot;
- the phone does not turn on;
- incorrect display of text, graphics, etc.

See the procedure for resuscitation [here](#) .

The above is provided for informational purposes only.

!!! Remember that you perform all actions with the phone at your own discretion and risk. The author is not responsible for the damaged device !!!

Закреть

Спойлер (+) (Little tricks for Nokia 215/225 4G (2020))

#

Спойлер (-) (Little tricks for Nokia 215/220/225/235/3210 4G (2024))

#

- hiding or activating the main menu icons;

Спойлер (-)

#

Offset: 00031F10 for menu 3x3
Offset: 00031FE0 for menu 1x1

Закреть

- Cloud App activation;

Спойлер (–) #

Offset: 00031F10 for menu 3x3
Offset: 00031FE0 for menu 1x1
00 00 00 14

Заккрыть

- activation or deactivation of Opera mini (browser selection);

Спойлер (–) #

Offset: 000314D0:
86 02 01 00 03 00 - stock browser
86 02 01 00 02 00 - stock browser
86 02 01 00 01 00 - stock browser
86 02 01 00 00 00 - Opera mini

Заккрыть

- activation of video file playback for Nokia 215 4G (2024);

Спойлер (–) #

Offset: 00031F10 for menu 3x3
Offset: 00031FE0 for menu 1x1
00 00 00 12

Заккрыть

- editing NDT code and model information:

Спойлер (–) #

At the moment, I consider it inappropriate to post the correction of the NDT code and information about the device model, in order to avoid deceiving unscrupulous sellers.

Заккрыть

Заккрыть

Firmware: [Nokia 215 4G/225 4G - Discussion \(Post by zuyj #129502457\)](#).



Post has been edited by [zuyj](#) - 08/15/25, 22:03

Reason for editing: UPD/text correction

↑

COMPLAINT

In FAQ

NAME

QUOTE

andreyhop

Local

[offline]

Group: Regular

Posts: 103

Registered: 11.04.14

Redmi 9T 4/64/128

Reputation: 1

11.02.25, 17:00

Message #2179

✉ Mail,

Цитата (Mail @ 10.12.24, 19:21✉)

I use 220 4g with firmware from 3210. Everything is fine, Opera works as it should

With firmware from 3210, opens video from a flash drive? What format? mp4, if the resolution is slightly more than 320*240? Are there any restrictions on the size of the video being opened?

↑

COMPLAINT

In FAQ

NAME

QUOTE

Hikos



Experienced

[offline]

Group: Regular

Posts: 456

Registration: 12/14/10

Reputation: 75

11.02.25, 21:02

Message #2180

Tell me, is there a firmware with normal fonts for Nokia 215 (2024)? I don't have crooked ones like from the store. Is there any point in changing my 215 (2020) to 215 (2024)...

Цитата (zuyj @ 10.02.25, 23:51✉)

Customization and personalization of Nokia 215 4G (2020) firmware | Nokia 225 4G (2020)

By the way, clarification! All manipulations to "as if remove icons from the menu" do not actually remove them, but hide them. Therefore, there is such a feature. I made it for myself so that "when it was necessary" to go online, this could be done. The Internet icon is hidden and it can be displayed through "Lock screen shortcuts" on Nokia 215 (2020). Here is such a " feature ".

https://4pda.to/forum/index.php?showtopic=1007593&st=2160#entry135203855

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Message edited by **Hikos** - 02/11/25, 21:29

Motorola E365->SE K750->SE K790->SE G700->SGS->Galaxy S III Neo->Moto M->Lenovo Z5s->Xiaomi Redmi 9T->Poco M6(+Nokia 215 2020)

⬆

COMPLAINT

In FAQ

NAME

QUOTE

Mail

User

[offline]

Group: **Regular**

Posts: 52

Registered: 07/13/19

OnePlus 5 6/64

Reputation: **9**

11.02.25, 22:11

Message #2181

Цитата (i.andrey.a @ 11.02.25, 17:00🇷🇺)

With firmware from 3210, opens video from a flash drive? What format? mp4, if the resolution is slightly more than 320*240? Are there any restrictions on the size of the video being opened?

Yes, it opens from a flash drive. It won't handle mp4 and videos with a resolution higher than 320*240. At 3210, the camera shoots video in 3gp and, accordingly, plays this format. During the New Year holidays, I downloaded the first season of "Breaking Bad" from anwap through my native opera. It's quite watchable)

⬆

COMPLAINT

In FAQ

NAME

QUOTE

Keyword

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Now: 09/07/25, 20:10

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