

**ZX Evolution
Update Flash-ROM
from «Test&Service» configuration.**

(version 08.02.2026)

www.nedopc.com

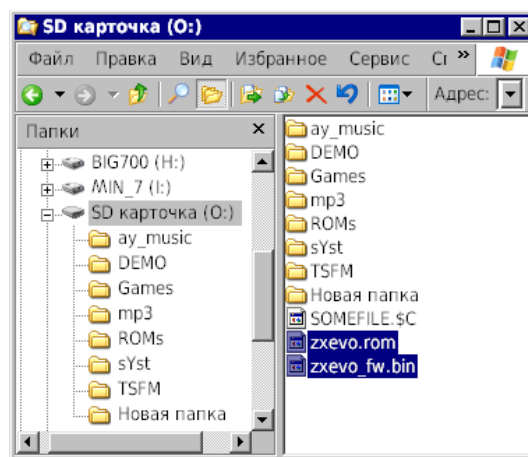
Requirement:

- SD-card, formatted FAT12, FAT16 or FAT32.
- PS/2 keyboard
- Configuration «Test&Service» file (file ZXEVO_FW.BIN)
- Flash-ROM image (file ZXEVO.ROM)
- Base configuration file (file ZXEVO_FW.BIN)

Note: any configuration files (Base configuration or «Test&Service») has same names.

All needed files located here: http://www.nedopc.com/zxevo/zxevo_eng.php

1. «Test&Service» configuration and ROM-image copy to root directory of SD-card .



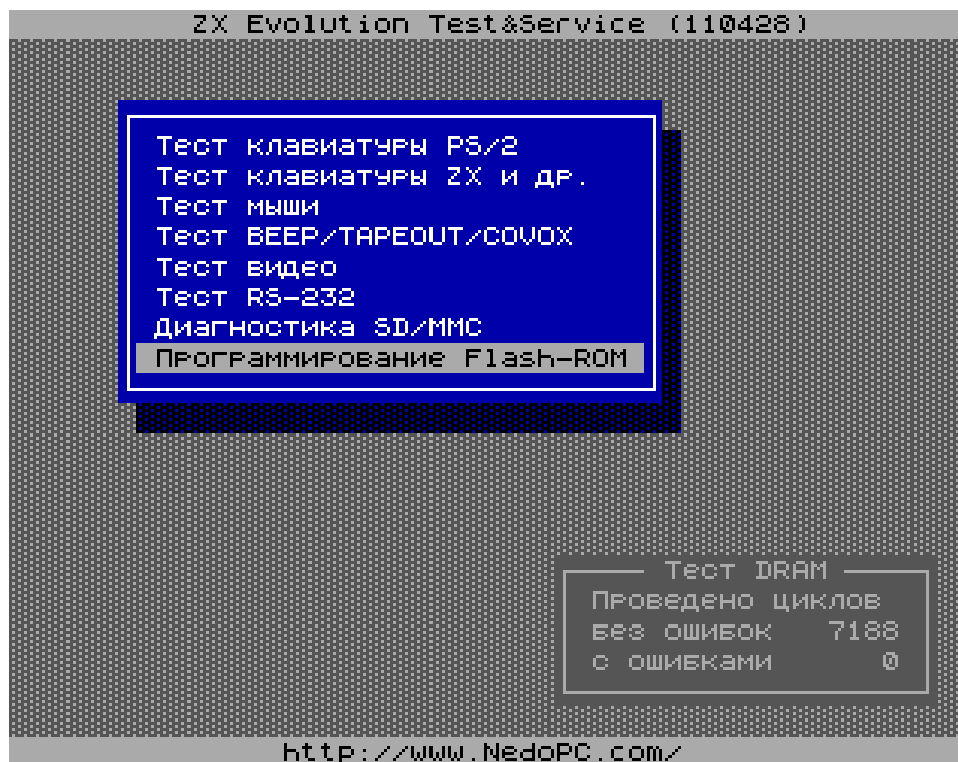
2. Set SD-card to ZX Evolution.

3. Activate bootloader: While SoftReset pins [J6] (on ZXEvolution board) shorted, short and open HardReset pins [J9]. Or while SoftReset pins [J6] shorted, switch on power to ZXEvolution.

Configuration load approximately 10 seconds. Beeper not sound on success.

Test&Service work in TV mode by default. Press ScrollLock for switching to VGA mode.

4. Set last item «Update Flash-ROM» in main menu.



5. Set to «Select image» in menu panel.

```
ZX Evolution Test&Service (110428)

Выход
Всё снова
Стереть м/ох.
Добав. задание
Выполнить

Chip: M29F040
CRC: 1EE3730C
Sdcard: FAT32

AY_MUSIC      <DIR> 29.04.11 18:28
DEMO          <DIR> 29.04.11 18:31
GAMES         <DIR> 29.04.11 18:27
MP3           <DIR> 29.04.11 18:27
ROMS          <DIR> 29.04.11 18:29
SYST          <DIR> 29.04.11 18:27
TSFM          <DIR> 29.04.11 18:28
НОВАЯАП~1    <DIR> 29.04.11 18:28
zxevo_fw bin 65920 28.04.11 20:52
zxevo        rom 524288 24.03.11 23:40


alcogluk pen tr-dos zx basic 128 zx basic 48
empty empty empty empty
empty empty empty empty
empty empty empty empty
empty empty empty empty
empty empty empty empty
empty empty empty empty
empty empty empty empty
```

<http://www.NedoPC.com/>

6. Select file ZXEVO.ROM in file panel.

ZX Evolution Test&Service (110428)

Выход	AY_MUSIC	<DIR>	29.04.11	18:28
Всё снова	DEMO	<DIR>	29.04.11	18:31
Стереть M/CX.	GAMES	<DIR>	29.04.11	18:27
Добав.задание	MP3	<DIR>	29.04.11	18:27
Выполнить	ROMS	<DIR>	29.04.11	18:29
	SYST	<DIR>	29.04.11	18:27
	TSFM	<DIR>	29.04.11	18:28
	НОВАЯП"1	<DIR>	29.04.11	18:28
	zxevo_fw bin	65920	28.04.11	20:52
	zxevo rom	524288	24.03.11	23:40

Chip: M29F040
CRC: 1EE3730C
SDcard: FAT32

alcogluk pen	tr-dos	zx basic 128	zx basic 48
empty	empty	empty	empty
empty	empty	empty	empty
empty	empty	empty	empty
empty	empty	empty	empty
empty	empty	empty	empty
empty	empty	empty	empty
empty	empty	empty	empty

<http://www.NedoPC.com/>

7. Press <Enter> two times.

ZX Evolution Test&Service (110428)

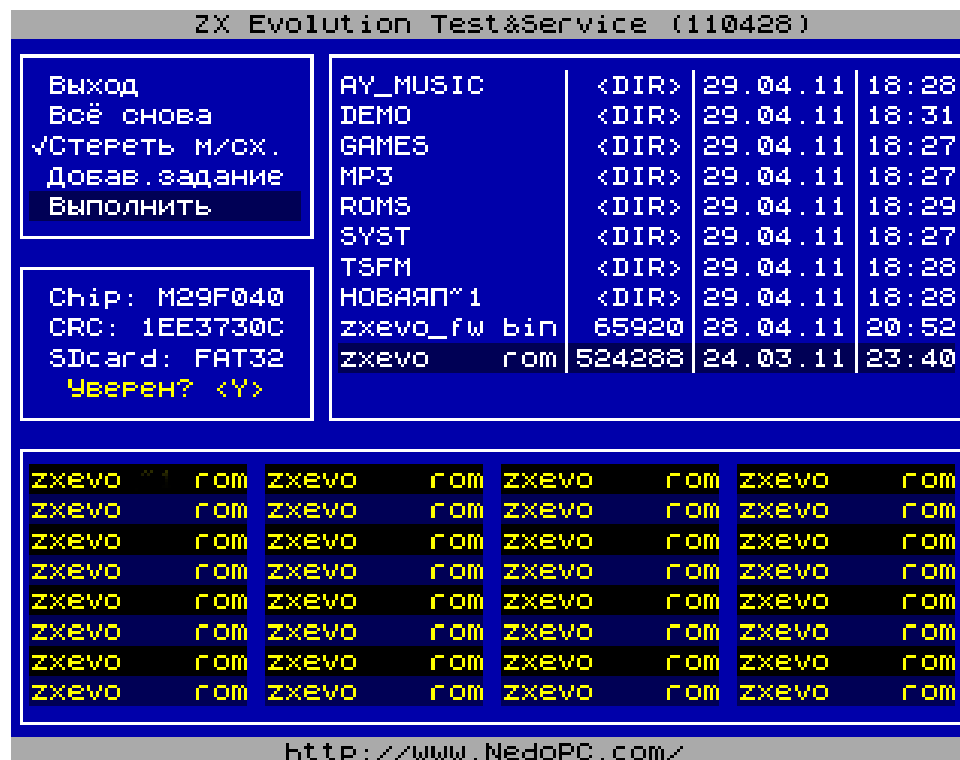
Выход	AY_MUSIC	<DIR>	29.04.11	18:28
Всё снова	DEMO	<DIR>	29.04.11	18:31
Удалить M/CX.	GAMES	<DIR>	29.04.11	18:27
Добав. задание	MP3	<DIR>	29.04.11	18:27
Выполнить	ROMS	<DIR>	29.04.11	18:29
	SYST	<DIR>	29.04.11	18:27
	TSPM	<DIR>	29.04.11	18:28
	НОВАЯП"1	<DIR>	29.04.11	18:28
	zxevo_fw bin	65920	28.04.11	20:52
	zxevo rom	524288	24.03.11	23:40

Chip: M29F040
CRC: 1EE3730C
SDcard: FAT32

zxevo	rom	zxevo	rom	zxevo	rom	zxevo	rom
zxevo	rom	zxevo	rom	zxevo	rom	zxevo	rom
zxevo	rom	zxevo	rom	zxevo	rom	zxevo	rom
zxevo	rom	zxevo	rom	zxevo	rom	zxevo	rom
zxevo	rom	zxevo	rom	zxevo	rom	zxevo	rom
zxevo	rom	zxevo	rom	zxevo	rom	zxevo	rom
zxevo	rom	zxevo	rom	zxevo	rom	zxevo	rom
zxevo	rom	zxevo	rom	zxevo	rom	zxevo	rom

<http://www.NedoPC.com/>

8. Select «Start» in menu panel and press <Y> on keyboard for confirmation.



9. First stage – Erase content of Flash-ROM chip...

ZX Evolution Test&Service (110428)

Выход	AY_MUSIC	<DIR>	29.04.11	18:28
Всё снова	DEMO	<DIR>	29.04.11	18:31
✓Стереть M/CX.	GAMES	<DIR>	29.04.11	18:27
Добав.задание	MP3	<DIR>	29.04.11	18:27
Выполнить	ROMS	<DIR>	29.04.11	18:29
	SYST	<DIR>	29.04.11	18:27
	TSFM	<DIR>	29.04.11	18:28
	НОВАЯП*1	<DIR>	29.04.11	18:28
	zxevo_fw bin	65920	28.04.11	20:52
	zxevo rom	524288	24.03.11	23:40

Chip: M29F040
CRC: 1EE3730C
SDcard: FAT32
Стирание...

EEEEEEEEEEEE	EEEEEEEEEEEE	EEEEEEEEEEEE	EEEEEEEEEEEE
EEEEEEEEEEEE	EEEEEEEEEEEE	EEEEEEEEEEEE	EEEEEEEEEEEE
EEEEEEEEEEEE	EEEEEEEEEEEE	EEEEEEEEEEEE	EEEEEEEEEEEE
EEEEEEEEEEEE	EEEEEEEEEEEE	EEEEEEEEEEEE	EEEEEEEEEEEE
EEEEEEEEEEEE	EEEEEEEEEEEE	EEEEEEEEEEEE	EEEEEEEEEEEE
EEEEEEEEEEEE	EEEEEEEEEEEE	EEEEEEEEEEEE	EEEEEEEEEEEE
EEEEEEEEEEEE	EEEEEEEEEEEE	EEEEEEEEEEEE	EEEEEEEEEEEE
EEEEEEEEEEEE	EEEEEEEEEEEE	EEEEEEEEEEEE	EEEEEEEEEEEE
EEEEEEEEEEEE	EEEEEEEEEEEE	EEEEEEEEEEEE	EEEEEEEEEEEE

<http://www.NedoPC.com/>

...Second stage - write data from selected image...

ZX Evolution Test&Service (110428)

Выход	AY_MUSIC	<DIR>	29.04.11	18:28
Всё снова	DEMO	<DIR>	29.04.11	18:31
✓Стереть M/CX.	GAMES	<DIR>	29.04.11	18:27
Добав.задание	MP3	<DIR>	29.04.11	18:27
Выполнить	ROMS	<DIR>	29.04.11	18:29
	SYST	<DIR>	29.04.11	18:27
	TSPM	<DIR>	29.04.11	18:28
	НОВАЯП"1	<DIR>	29.04.11	18:28
	zxevo_fw bin	65920	28.04.11	20:52
	zxevo rom	524288	24.03.11	23:40

Chip: M29F040
CRC: 1EE3730C
SDcard: FAT32
Запись...

0000000000000000	0000000000000000	0000000000000000	0000000000000000
0000000000000000	0000000000000000	0000000000000000	0000000000000000
EEEEEEEEEEEEEE	EEEEEEEEEEEEEE	EEEEEEEEEEEEEE	EEEEEEEEEEEEEE
EEEEEEEEEEEEEE	EEEEEEEEEEEEEE	EEEEEEEEEEEEEE	EEEEEEEEEEEEEE
EEEEEEEEEEEEEE	EEEEEEEEEEEEEE	EEEEEEEEEEEEEE	EEEEEEEEEEEEEE
EEEEEEEEEEEEEE	EEEEEEEEEEEEEE	EEEEEEEEEEEEEE	EEEEEEEEEEEEEE
EEEEEEEEEEEEEE	EEEEEEEEEEEEEE	EEEEEEEEEEEEEE	EEEEEEEEEEEEEE
EEEEEEEEEEEEEE	EEEEEEEEEEEEEE	EEEEEEEEEEEEEE	EEEEEEEEEEEEEE
EEEEEEEEEEEEEE	EEEEEEEEEEEEEE	EEEEEEEEEEEEEE	EEEEEEEEEEEEEE
EEEEEEEEEEEEEE	EEEEEEEEEEEEEE	EEEEEEEEEEEEEE	EEEEEEEEEEEEEE

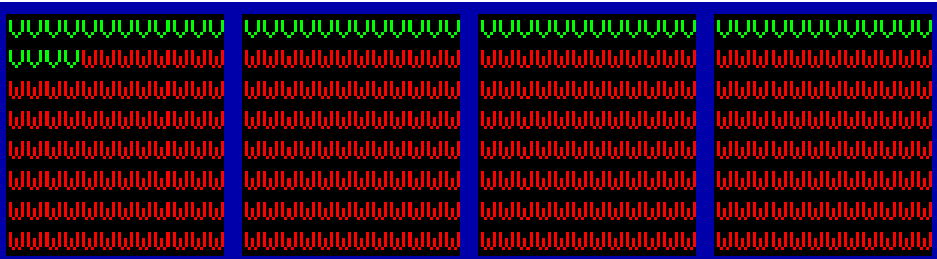
<http://www.NedoPC.com/>

...End stage - verify data...

ZX Evolution Test&Service (110428)

Выход	AY_MUSIC	<DIR>	29.04.11	18:28
Всё снова	DEMO	<DIR>	29.04.11	18:31
✓стереть M/CX.	GAMES	<DIR>	29.04.11	18:27
Добав.задание	MP3	<DIR>	29.04.11	18:27
Выполнить	ROMS	<DIR>	29.04.11	18:29
	SYST	<DIR>	29.04.11	18:27
	TSPM	<DIR>	29.04.11	18:28
	НОВАЯП"1	<DIR>	29.04.11	18:28
	zxevo_fw bin	65920	28.04.11	20:52
	zxevo rom	524288	24.03.11	23:40

Chip: M29F040
CRC: 1EE3730C
SDcard: FAT32
Проверка...



<http://www.NedoPC.com/>

...if all OK then green message viewed.

ZX Evolution Test&Service (110428)

Выход	AY_MUSIC	<DIR>	29.04.11	18:28
Всё снова	DEMO	<DIR>	29.04.11	18:31
✓Стереть M			4.11	18:27
Добав.зад			4.11	18:27
Выполнить			4.11	18:29
			4.11	18:27
			4.11	18:28
			4.11	18:28
Chip: M29				
CRC: 1EE3730C	zxevo_fw bin	65920	28.04.11	20:52
SDcard: FAT32	zxevo rom	524288	24.03.11	23:40
Завершено.				

Запись в FlashROM завершена
БЕЗ ОШИБОК.

UUUUUUUUUUUUUU	UUUUUUUUUUUUUU	UUUUUUUUUUUUUU	UUUUUUUUUUUUUU
UUUUUUUUUUUUUU	UUUUUUUUUUUUUU	UUUUUUUUUUUUUU	UUUUUUUUUUUUUU
UUUUUUUUUUUUUU	UUUUUUUUUUUUUU	UUUUUUUUUUUUUU	UUUUUUUUUUUUUU
UUUUUUUUUUUUUU	UUUUUUUUUUUUUU	UUUUUUUUUUUUUU	UUUUUUUUUUUUUU
UUUUUUUUUUUUUU	UUUUUUUUUUUUUU	UUUUUUUUUUUUUU	UUUUUUUUUUUUUU
UUUUUUUUUUUUUU	UUUUUUUUUUUUUU	UUUUUUUUUUUUUU	UUUUUUUUUUUUUU
UUUUUUUUUUUUUU	UUUUUUUUUUUUUU	UUUUUUUUUUUUUU	UUUUUUUUUUUUUU
UUUUUUUUUUUUUU	UUUUUUUUUUUUUU	UUUUUUUUUUUUUU	UUUUUUUUUUUUUU
UUUUUUUUUUUUUU	UUUUUUUUUUUUUU	UUUUUUUUUUUUUU	UUUUUUUUUUUUUU
UUUUUUUUUUUUUU	UUUUUUUUUUUUUU	UUUUUUUUUUUUUU	UUUUUUUUUUUUUU

<http://www.NedoPC.com/>

10. Press <Enter>. Calculate and inform about pages of Flash-ROM.

ZX Evolution Test&Service (110428)

Выход	AY_MUSIC	<DIR>	29.04.11	18:28
Всё снова	DEMO	<DIR>	29.04.11	18:31
Стереть M/CX.	GAMES	<DIR>	29.04.11	18:27
Добав.задание	MP3	<DIR>	29.04.11	18:27
Выполнить	ROMS	<DIR>	29.04.11	18:29
	SYST	<DIR>	29.04.11	18:27
	TSFM	<DIR>	29.04.11	18:28
	НОВАЯП"1	<DIR>	29.04.11	18:28
Chip: M29F040	zxevo_fw bin	65920	28.04.11	20:52
CRC: E200625F	zxevo rom	524288	24.03.11	23:40
SDcard: FAT32				

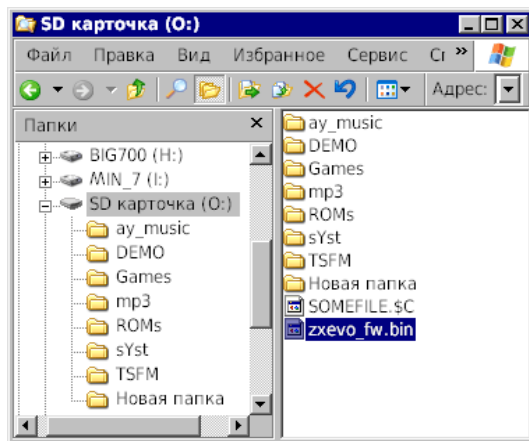
hegluk	tr-dos	zx basic 128	zx basic 48
empty	empty	empty	empty
empty	empty	empty	empty
empty	empty	empty	empty
empty	empty	empty	empty
empty	empty	empty	empty
zx basic 48	evodos	????	????
zx basic 48	evodos	zx basic 128	hegluk

<http://www.NedoPC.com/>

Some pages mark by «????». Cause TEST&SERVICE not identify this pages (cause this pages content some new parts of ROM).

Restore Base configuration.

11. Remove SD-card from ZXEvo, and delete TEST&SERVICE configuration file (zxevo_fw.bin). Copy Base configuration file (zxevo_fw.bin) to root directory of SD-card.



12. Set SD-card to ZX Evolution.

13. Activate bootloader: While SoftReset pins [J6] shorted, short and open HardReset pins [J9]. Or while SoftReset pins [J6] shorted, switch on power to ZXEvolution.

Configuration load approximately 10 seconds. Beeper not sound on success.

14. You get new configuration and ROM on your ZX Evolution. Congratulation!