

Firmware update with disabled (black) screen

Problem: When updating the terminal firmware, the screen does not turn on and there is a small possibility of complete loss of functionality if the update is interrupted due to GSM connection failure. Relevant for terminals released in November 2021.

Cause: Damaged flash memory

Solution: Update the firmware over the wire.

Procedure:

You will need the 2nd (working) Vendista terminal. You need to turn it into a flashing device. To do this, select Firmware version:

100 | Flasher - Build version 108, 109, 113, 114, 116

(ONLY terminals with build version 108, 109, 113, 114, 116 can be flashed with it)

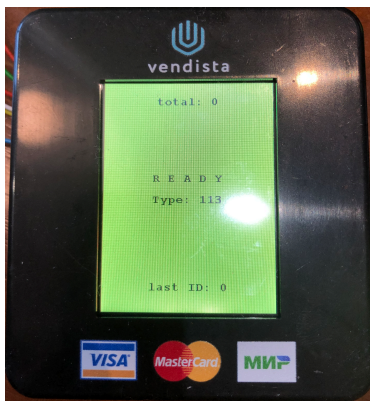
or

101 | Firmware Builder - Build version 117

(ONLY terminals with Build version 117 can be flashed with it).

ATTENTION: You MUST NOT flash non-compliant build versions. If, for example, you flash a terminal with build version 116 with the firmware "101 | Firmware - Build version 117", it will get a different ID and there will be a lot of problems.

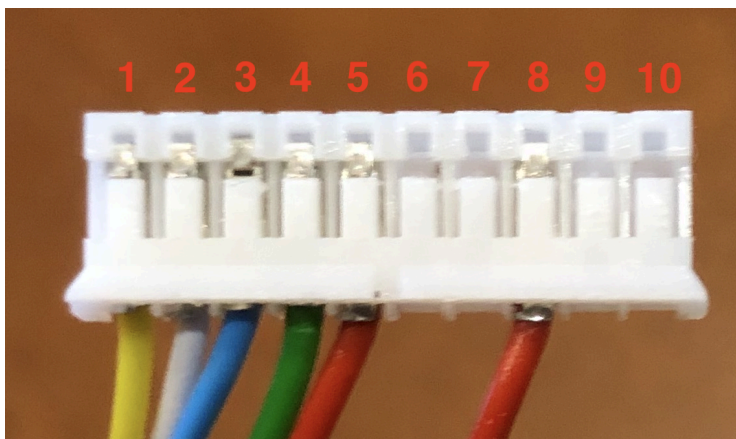
The terminal will become a flasher, after booting it will look like this:



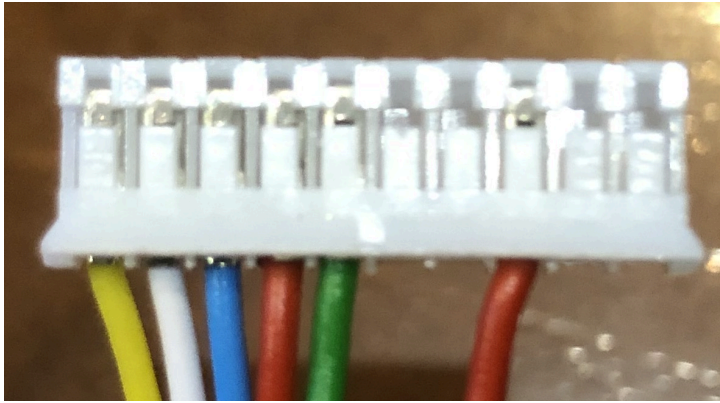
The firmware is now ready to flash another terminal.

Disconnect the power supply. Connect the flasher and the terminal as follows:

On the standard Vendista cable on one cable, move wire 6 to plug 4, wire 7 to plug 5.



On the other cable, move wire 6 to plug 5, wire 7 to plug 4.

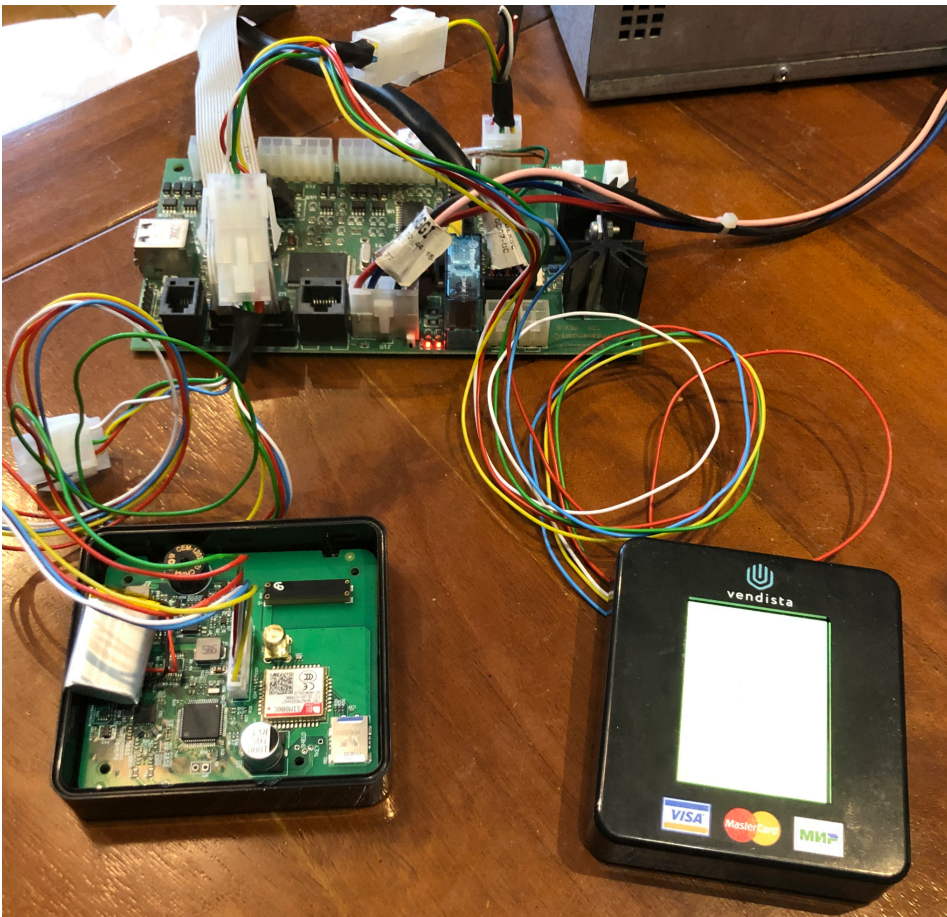
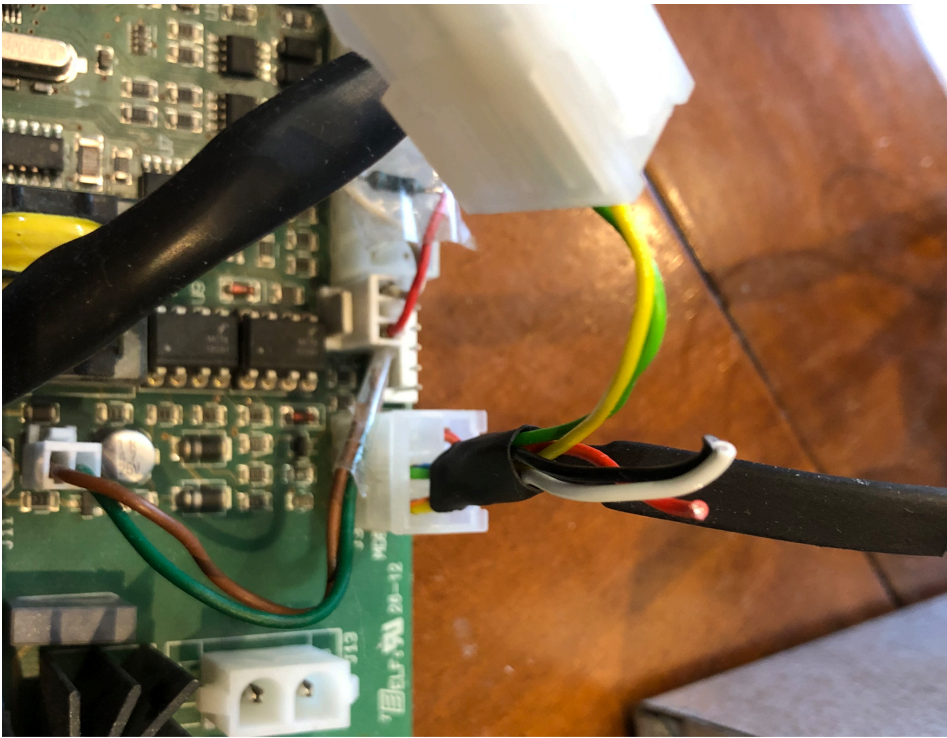


This is easily done by bending the plastic latches with a knife or screwdriver

1. Connect both cables through the MDB splitter, plug the 10-pin connectors into the terminals

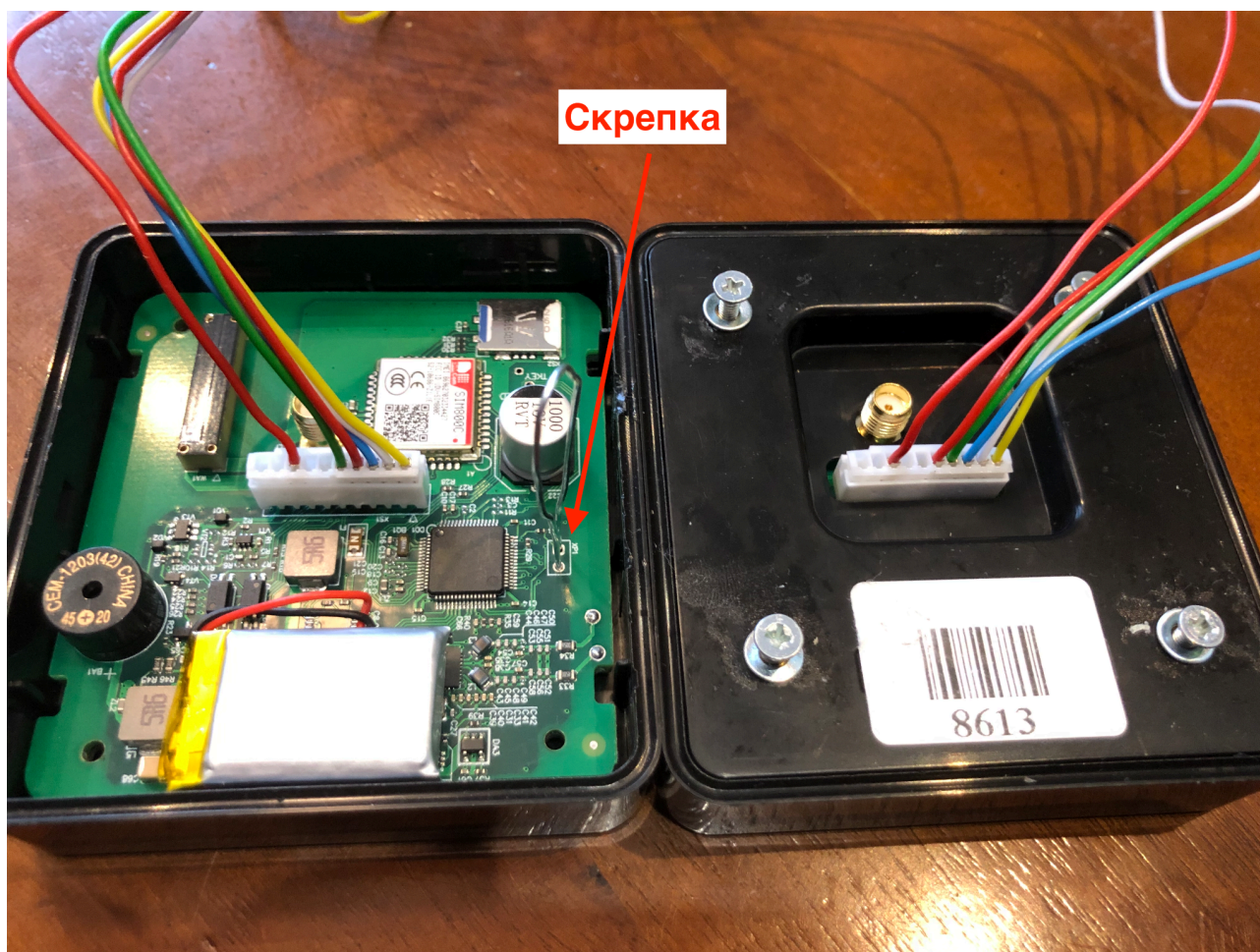


2. Supply 5 - 60V power supply to a free MDB connector. This can be done, for example, via the circuit board of the dispenser. Any MDB cable with a splitter can be used for this purpose, but the signal cables on the splitter should be cut off, leaving only the power cables.



3. Disassemble the terminal to be flashed. Instructions for opening the Vendista v2 case
<https://docs.google.com/document/d/1wmZKp3gDi0pKoFMXFoZsSMLVX2mRmm5U3BJMkQkRqhs>

Connect the 2 holes near the main chip with a paper clip



4. Power up the terminals (turn on the dispenser board). After flashing starts - pull out the paper clip (otherwise the firmware will be loaded in a loop). Видео процесса прошивки:
<https://drive.google.com/file/d/13maXmsByrK0GY8oXFCENoSgyNbAB34bP>
5. Send a command to the flashed terminal: Update Bootloader
6. Turn on the flashed mobile computer via a regular MDB cable. The mobile computer will update the firmware from the server and will be ready for operation

