

Recovery boards management Amlogic Antminer

Us you will need:

- Personal computer (further - PC) With USB port And OS Windows;
- Wire USB- microUSB ;
- Jumper;
- ASIC miner V collection (further - miner) or separately his pay management amlogic (further - PU).

Note: desirable to at firmware from PU was disabled All except nutrition, V including LAN cable and hashboard cables . It is also advisable to disconnect power from the hashboards .

1. Download factory recovery from vnish.ru For your miner model

<https://vnish.ru/antminer-stock-firmware-en/>

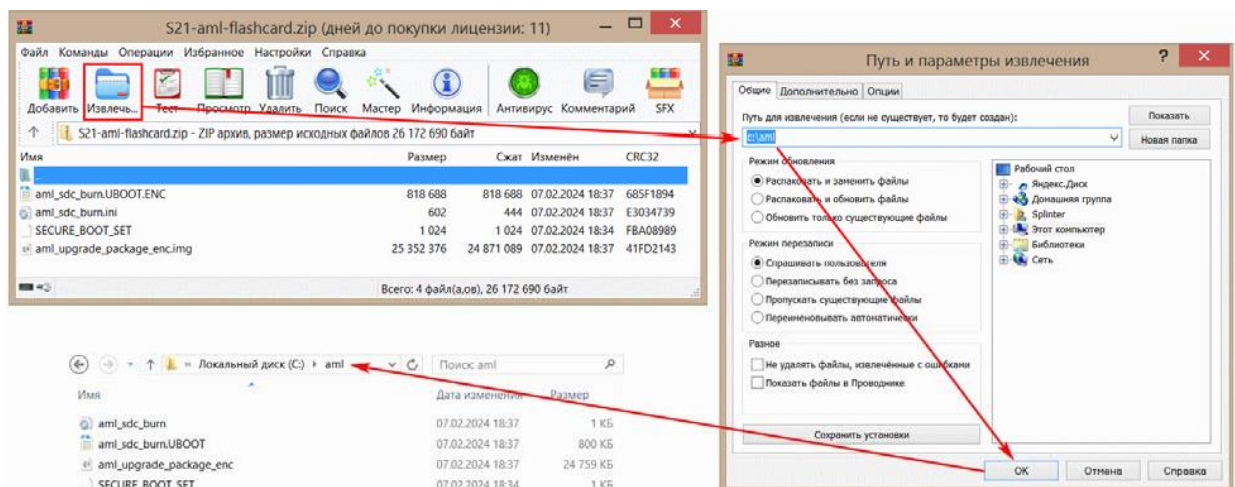
IN drop-down list we choose my model miner (amlogic). Next download SD image

Antminer stock firmware

Asic model S19J Pro

| FileName | FileSize | MD5 | Action |
|---|-----------|----------------------------------|--------------------------|
| Antminer-S19j-Pro-Release-sd2nand-BBCtrl-20210622.zip | 18.66 MB | 5355708b782445a1a30a027c21355629 | Download |
| Antminer-S19j-Pro-Release-sd2nand-zynq7007-20210515.zip | 26.86 MB | 6d1980b97c5a0534d2fefb4832b48d8c | Download |
| Antminer-S19j-Pro-merge-release-20221226125147.bmu | 131.05 MB | 296e390d8ae1af61a40d193d8f3745c9 | Download |
| s19j-Pro-a113d-amlctrl-flashCard-20211119.zip | 22.25 MB | 51833cca7ae164386dc387cfe79664c7 | Download |

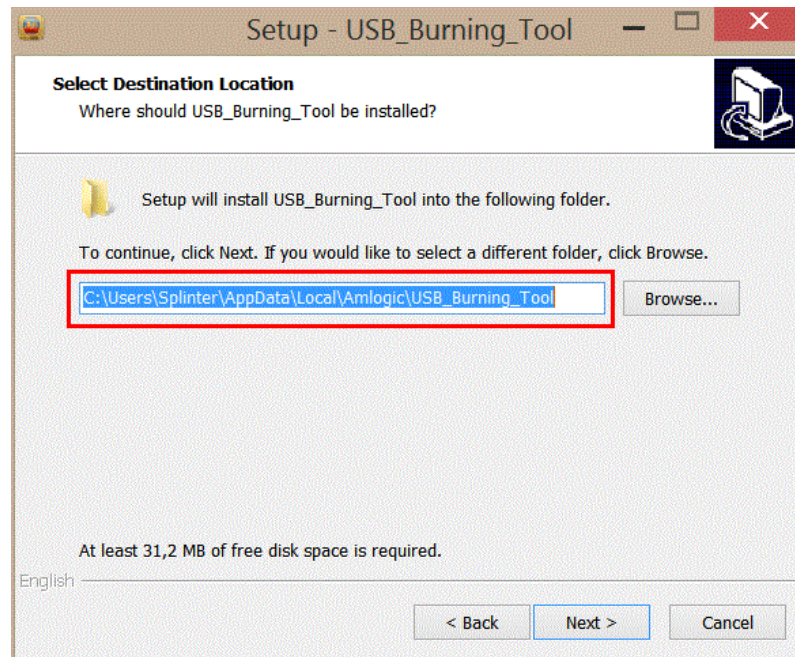
The downloaded file will be in the form of an archive. It must be unpacked to any convenient place on the computer. For this Can take advantage of How built-in by means Windows, So and any of your favorite archivers, for example, WinRAR .



2. installing USB_Burning_Tool

Launch file installer **Setup_v2.2.0.exe** . In time installations in all windows Click the Next button and in the last window Install without changing any settings.

On step choice folders For installations - remember/write down this path - He will be needed below.



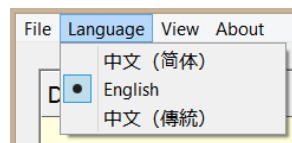
After installations the most programs will automatically launched Master installations device drivers. Here, too, in all windows, click Next and finally Finish.

Copy attached file licenses **SECURE_BOOT_SET** V folder **license** V folder program installation .

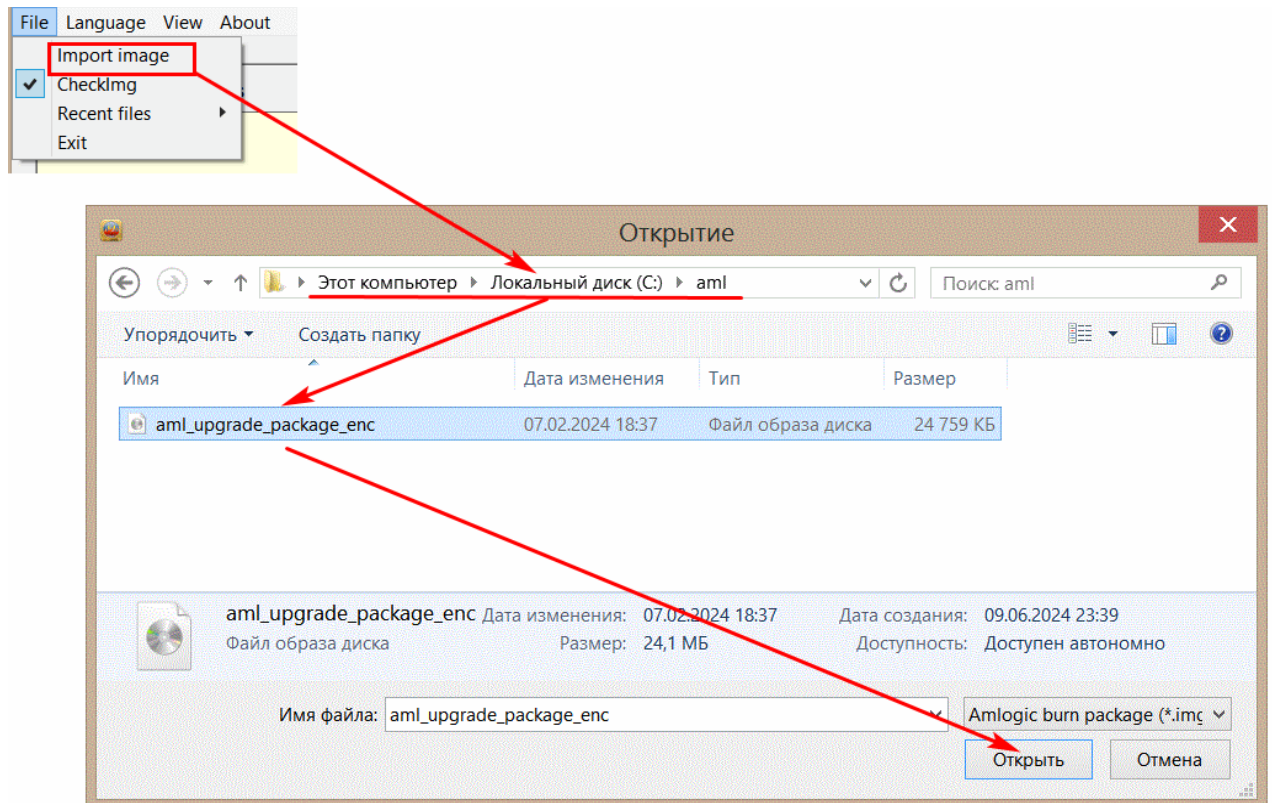


3. Let's launch And we are setting up USB_Burning_Tool

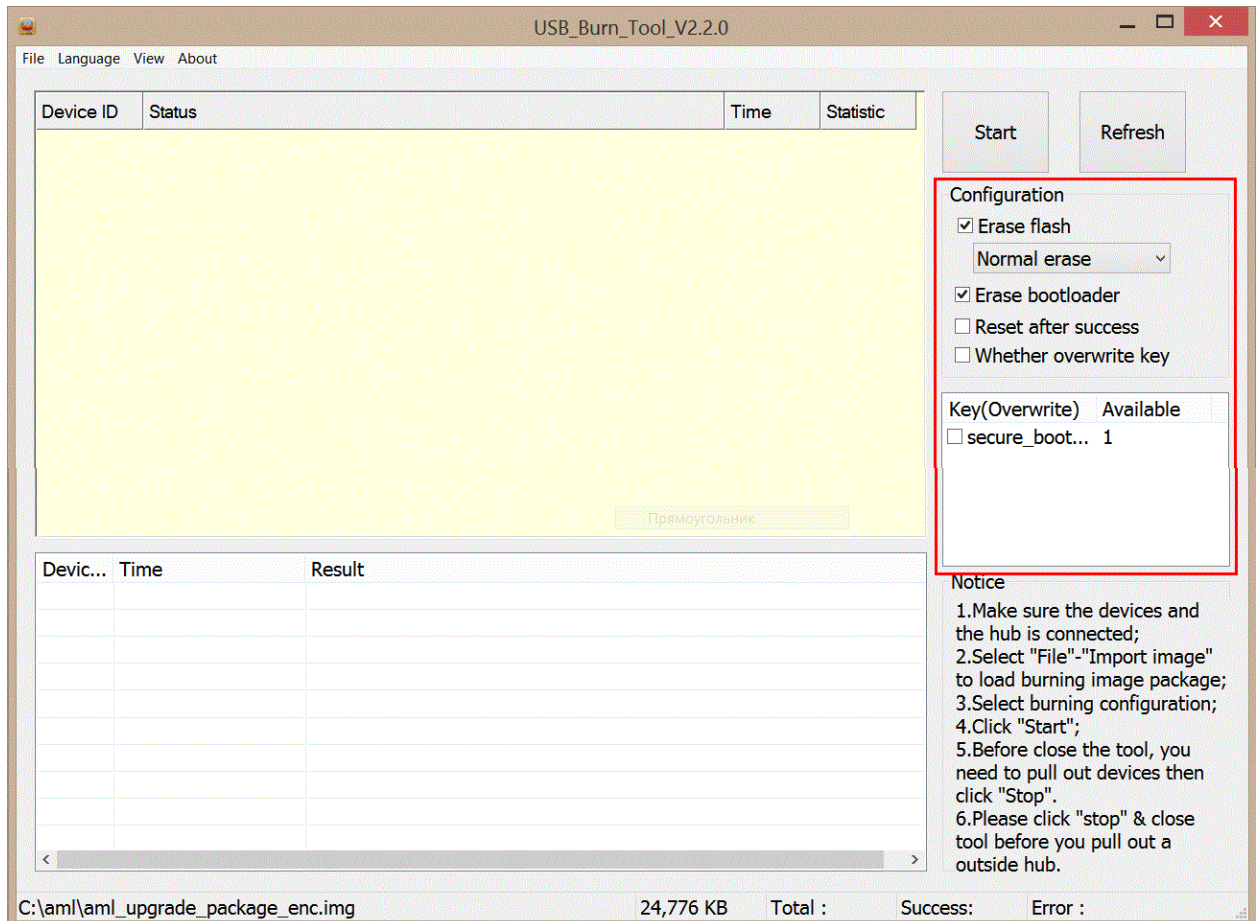
We choose English language interface:



Let's open file With firmware having indicated folder Where unpacked files V point 1:



IN basically window programs we are setting up region **Configuration** How on picture below.
Set **ONLY** the boxes shown, otherwise you can completely kill the board.



4. Let's connect board to computer and installation drivers

On the control board jumper we close jumper JP1. Let's connect USB- microUSB cord one the end to the control board and the other to the PC. We turn on the control unit power.

Because drivers are copied V system automatically at installation USB_Burning_Tool , That They either automatically installed when the board is connected, or the new hardware (drivers) installation wizard will start. In the latter case, simply agree with everything that the installation wizard offers.

At successful installation drivers in main window programs USB_Burning_Tool a line with a new connected device will appear in the top table.

| Device ID | Status | Time | Statistic |
|-----------|-----------------|------|-----------|
| HUB3-3 | Connect success | | |

5. Firmware

All ready To firmware. Click here button **Start** V basically window programs USB_Burning_Tool . The status field will show the percentage of the process completion. When the process reaches 100%, a message about successful completion will appear. This will take no more than a minute.

| Device ID | Status | Time | Statistic |
|-----------|---------------------------|------|-----------|
| HUB3-3 | 100%:Burning successfully | 24 | 0/1 |

Click button **Stop** And close program USB_Burning_Tool .

6. Final steps

Turn off the control board. Disconnect USB- microUSB wire from control board and from PC. **Take it away jumper JP1.**

All ready! Can gather miner , connect all wires and turn on miner