

Brick Rescue / Flashing Process

1. Driver Installation

Download the Driver and program Tool from the following Link:

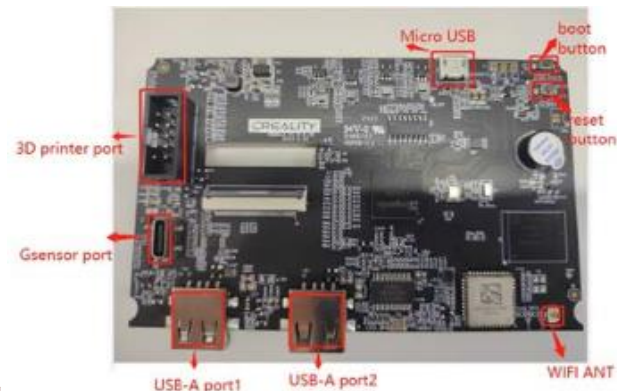
https://github.com/CrealityOfficial/Ender-3_V3_KE_Annex/tree/main/firmware%20recovery%20tool

and unzip the folders contents.

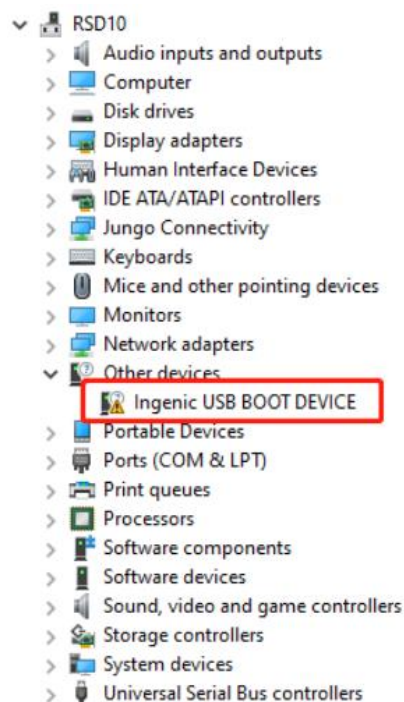
1.1 Unplug the screen and printer connection cable and use a screwdriver to disassemble and remove the screen cover.



1.2 Connect the nebula pad to your computer using the MicroUSB port on the mainboard using a MicroUSB cable. Then press the “boot button” and “reset button” at the same time, hold them for 3 seconds, then release the “reset button” first and the “boot button” second. Now the system is ready for flashing.



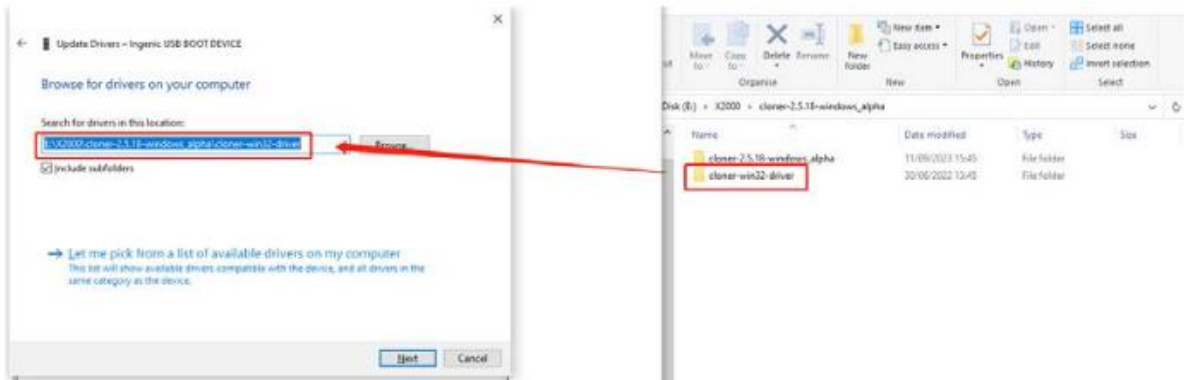
1.3 Check the Device Manager [Windows key and search “Device Manager”] and look for “Other Devices” -> “Ingenic USB BOOT DEVICE” . If there is a yellow exclamation mark, the driver needs to be installed.



Note:

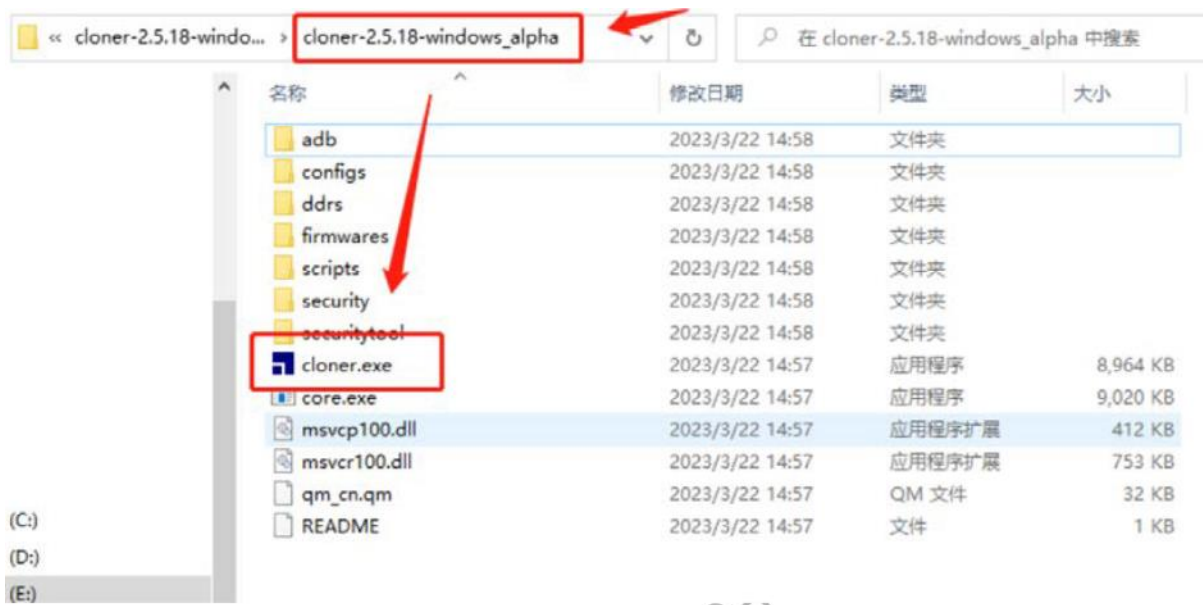
There are different types of MicroUSB cables; One is for power supply only and the other can also transfer data. Make sure to test if your MicroUSB cable is able to transfer data. If it cannot, find one that can and repeat step 1.2 and 1.3 until the “Ingenic USB BOOT DEVICE” shows up under “Other Devices”

1.4 Select “Ingenic USB BOOT DEVICE” , right click it and choose “Update Driver”, then select “Browse my computer for driver software”, locate the “cloner-win32-driver” folder from the software package you downloaded earlier. Click “Next” and the system will automatically install the driver.



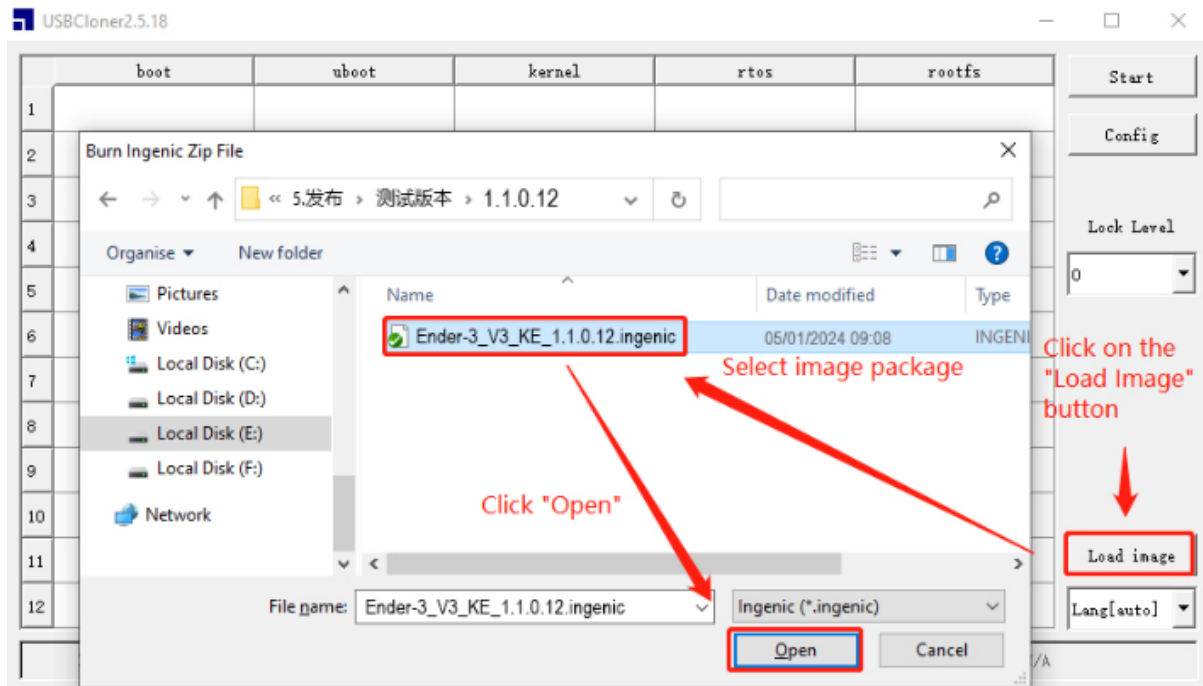
2. Use firmware Flashing Tool

2.1 After the driver installation is complete, double-click “cloner.exe” to run the flashing tool from the software package (as shown in the picture).



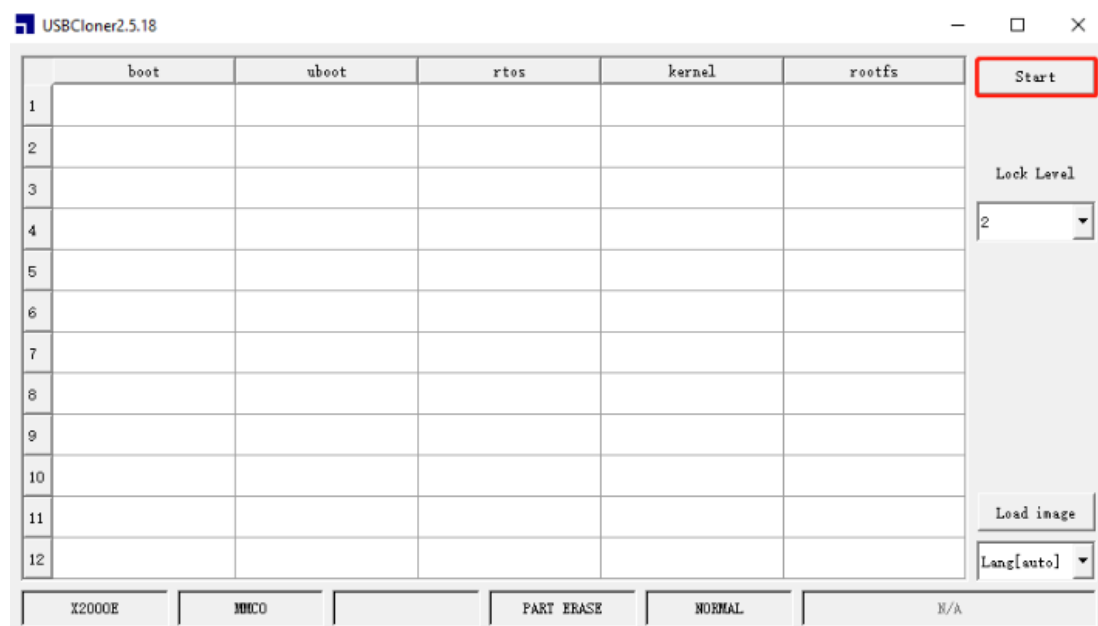
PS: If a program error occurs, please check the box “run as administrator” in the compatibility tab of the programs properties.

2.2 Download the image package (https://github.com/CrealityOfficial/Ender-3_V3_KE_Klipper/releases/tag/V1.1.0.12) and click the "Load Image" button in the flasher, then select the file in the image package (note it is a .ingenic extension file). Then click "Open".

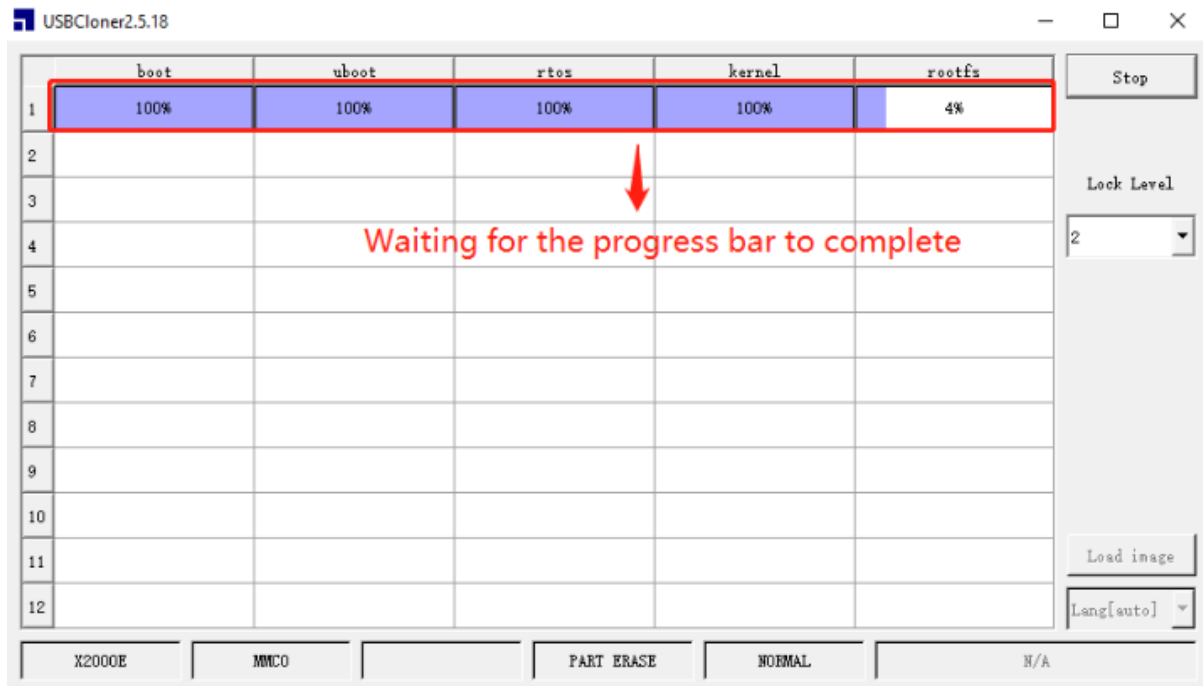


Note: You don't get any feedback from the program after selecting the file and clicking open, so just continue when you are done with opening the file.

2.3 Unplug the Nebula pad from your computer. After that, select and click the "Start" button. Then, replug your Nebula pad and simultaneously press the "Reset Button" and "Boot Button" on the motherboard. Following the same steps as above, release the "Reset Button" first, then release the "Boot Button".



2.4 At this point, The program starts to automatically flash the firmware, which can be monitored through the progress bar.



2.5 A green progress bar with 100% progress indicates a successful flash.



3. The Nebula pad can now be disconnected from your computer and reconnected to your printer after putting on the back cover.