Phecda Laser Engraver & Cutter Firmware Upgrade Guide -Windows

Precautions

1. To update the firmware, the engraving machine needs to be turned on, otherwise MKSLaserTool cannot detect the port.
2. When updating the touchscreen firmware, you need to prepare a USB Type-C data cable.
3. Please close other software when updating the firmware to avoid the port being occupied and MKSLaserTool cannot detect the port.
4. You can close the MKSLaserTool software only after it shows that the touchscreen update is successful.
5. After the update is completed, restart the engraving machine.
6. It takes about one minute to update the firmware of the touch screen, and about two minutes to update the mainboard firmware.

File Description

Phecda_ESP32_TFT_2023071401.bin

The file name contains TFT is the touchscreen firmware. Use MKSLaserTool software to update, open MKSLaserTool, change FLASH SIZE to 4MB, and then click Start to update. Please refer to the following for detailed operation steps.

Phecda_DLC32_V4.0_2023071401.bin

The file name contains DLC32_V4.0 is the motherboard firmware. Use the MKSLaserTool software to update, open the MKSLaserTool, change the FLASH SIZE to 8MB, and then click Start to update. Please refer to the following for detailed steps.
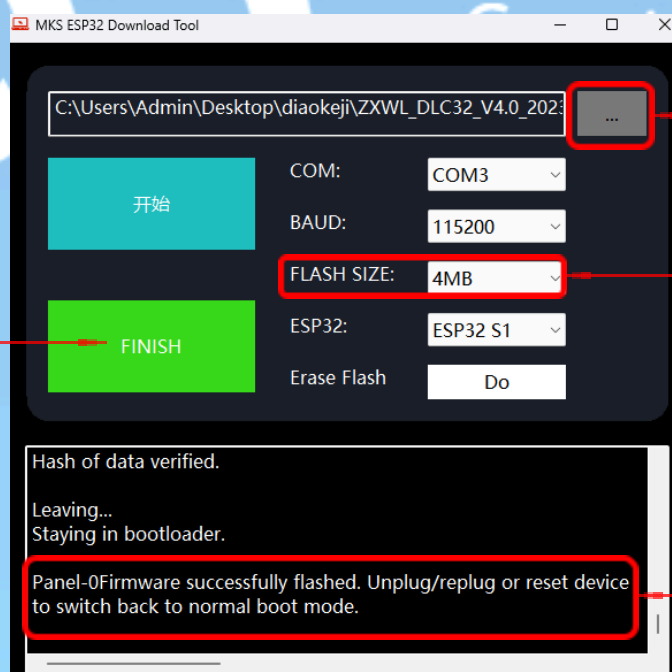
MKSLaserTool_setupV2.1.0

This is the software needed to update the firmware. If it fails to operate normally, please right-click the software to run it as an administrator.

Update Touchscreen Firmware

1. Connect the touchscreen motherboard and computer with a USB Type-C data cable, and turn on the power supply of the machine.

2.   Run MKSLaserTool (if you cannot operate after opening, please close the software, then right-click the software to run as an administrator), enter the first option MKS ESP32 Download Tool, change the FLASH SIZE to 4MB, select the touchscreen firmware to start updating, reconnect the engraving machine and computer after updating.

The first step is to select the touchscreen firmware Phecda_ESP32_TFT_2023071401.bin

The second step is to change the FLASH SIZE to 4MB

The third step is to click Start to update the firmware. After the update is completed, restart the engraving machine and it can be used normally.
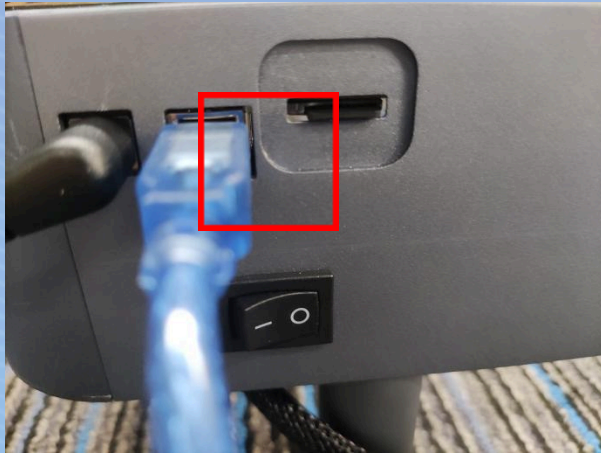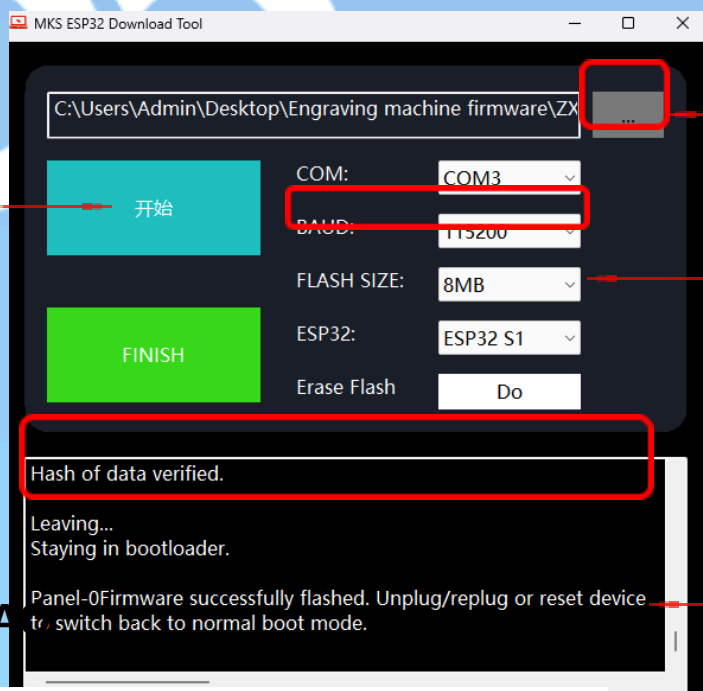
Indicates that the firmware is updated successfully

Update Motherboard Firmware

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1. Connect the engraving machine to the computer with the blue square port data cable, and turn on the power supply of the machine.

2. Run MKSLaserTool (if it cannot be operated after opening, please close the software, then right-click the software to run as an administrator), enter the first option MKS ESP32 Download Tool, change the FLASH SIZE to 8MB, select the motherboard firmware to start updating. After the update finishing, reconnect the engraving machine to the computer.

The third step is to click Start to update the firmware. After the update is completed, restart the engraving machine and it can be used normally.

The first step is to select the motherboard firmware Phecda_DLC32_V4.0_2023071401.bin 03.bin

The second step is to change the FLASH SIZE to 8MB

Indicates that the firmware is updated successfully

1. Garbled code error occurs during the update?
If the data cable is not connected properly, check the connection of the data cable or reconnect it again.

2. Can't read SD card and can't control engraving machine after the update is complete?
When updating the motherboard firmware, the touchscreen firmware is used, just re-update the correct motherboard firmware again.

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3. The touchscreen does not light up after the update is complete?
When updating the touchscreen firmware, the motherboard firmware is used, just re-update the correct touchscreen firmware.

4. Unable to read the port when using MKSLaserTool to update the firmware?
If the port is occupied by other software, please close other software; or if the data cable is not connected correctly, please check the connection of the data cable or reconnect it again.

5. Report an error when starting the update?
If the FLASH SIZE is selected incorrectly, the touchscreen firmware should be changed to 4MB, and the motherboard firmware should be changed to 8MB. After changing to the correct FLASH SIZE, re-update the firmware again.

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