CV50 Firmware Update Guide：

(CV50固件更新指南)

CV50-MASTER TF Card Firmware Update Guide:

(CV50-MASTER TF卡固件更新指南)

1. Prepare a TF card whose capacity is larger than the firmware size, for example, an 8GB TF card.

   (准备一张TF卡，TF卡容量大于固件大小，比如8G TF卡)

2. Place the firmware to be updated (CV50-MASTER-Release_V3_0_0.bin) in the TF card.

   (将需要更新的固件(CV50-MASTER-Release_V3_0_0.bin)放到TF卡中)

3. Insert the TF card into the slot.

   (将TF卡插入卡槽内。)

The TF card is inserted into the main board slot

4. Restart the device.

   (重启设备)

5. Wait about 3 to 5 seconds. If the device beeps, the update is in progress.

   (等待3-5秒左右后，设备发出嘀 嘀 嘀声，说明正在更新，嘀 嘀 嘀声结束，更新完成)

attention:(注意)

- the firmware update time is about 3-30 seconds, depending on the firmware size and TF card quality, the update time will be different.

  (固件更新时间大概为3-30秒左右，根据固件大小，TF卡质量不同，更新时间也会不同)

- Do not operate the device or turn off the power supply during the firmware update.

  (固件更新过程中，请勿操作设备，禁止关闭电源)

- In the TF card, do not put too many files and folders. It is recommended that only the CV50-MASTER-Release_V3_0_0.bin file be put into the level-1 directory of the TF card.

  (TF卡中，不要放太多文件及文件夹，建议，只放CV50-MASTER-Release_V3_0_0.bin文件到TF卡一级目录下即可)

CV-50-LASER-22W USB Flash drive firmware update guide：

(CV-50-LASER-22W U盘固件更新指南)

1. Prepare a USB disk with a capacity greater than the firmware size, such as an 8G USB disk or TF card transfer, etc.

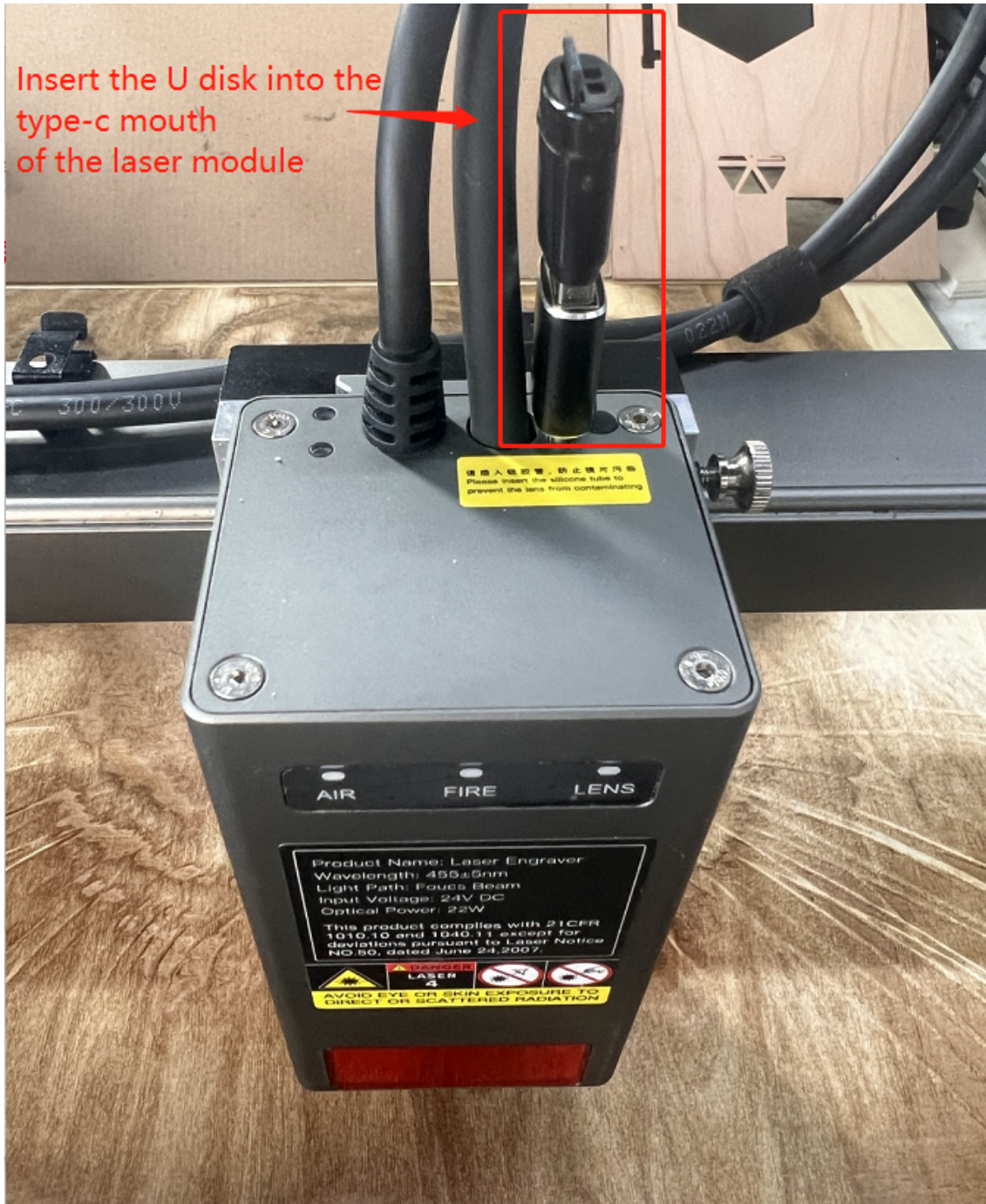   (准备一个U盘，U盘容量大于固件大小，比如8G U盘或者TF卡转接等)

2. Place the firmware that needs to be updated (CV50-LASER-22W-Release_V3_0_0.bin) on the USB drive。

   (将需要更新的固件(CV50-LASER-22W-Release_V3_0_0.bin)放到U盘中)

3. Insert the U disk into the type-c mouth of the laser module。

(将U盘插入激光模组的type-c口内)

Insert the U disk into the type-c mouth of the laser module

4. Restart the device。

(重启设备)

5. After waiting for about 1 to 5 seconds, the orange indicator light of the laser module circulates from left (AIR) to right (LENS), indicating that it is updating. The orange indicator light circulates and finishes the update。

(等待1-5秒左右后，激光模组的橙色指示灯循环从左(AIR)至右(LENS)流水，说明正在更新，橙色指示灯循环流水结束，更新完成)

attention:(注意)

- The firmware update time is about 3-30 seconds, depending on the size of the firmware, the quality of the USB flash drive, the update time will be different。

  (固件更新时间大概为3-30秒左右，根据固件大小，U盘质量不同，更新时间也会不同)

- Do not operate the device during the firmware update process, and do not turn off the power！

(固件更新过程中，请勿操作设备，禁止关闭电源!)

- U disk, do not put too many files and folders, it is recommended that only put CV50-LASER-22W-Release_V3_0_0.bin files to the U disk directory。

  (U盘中，不要放太多文件及文件夹，建议，只放CV50-LASER-22W-Release_V3_0_.bin文件到U盘一级目录下即可)