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1. Install Driver for Windows Secondary Monitor

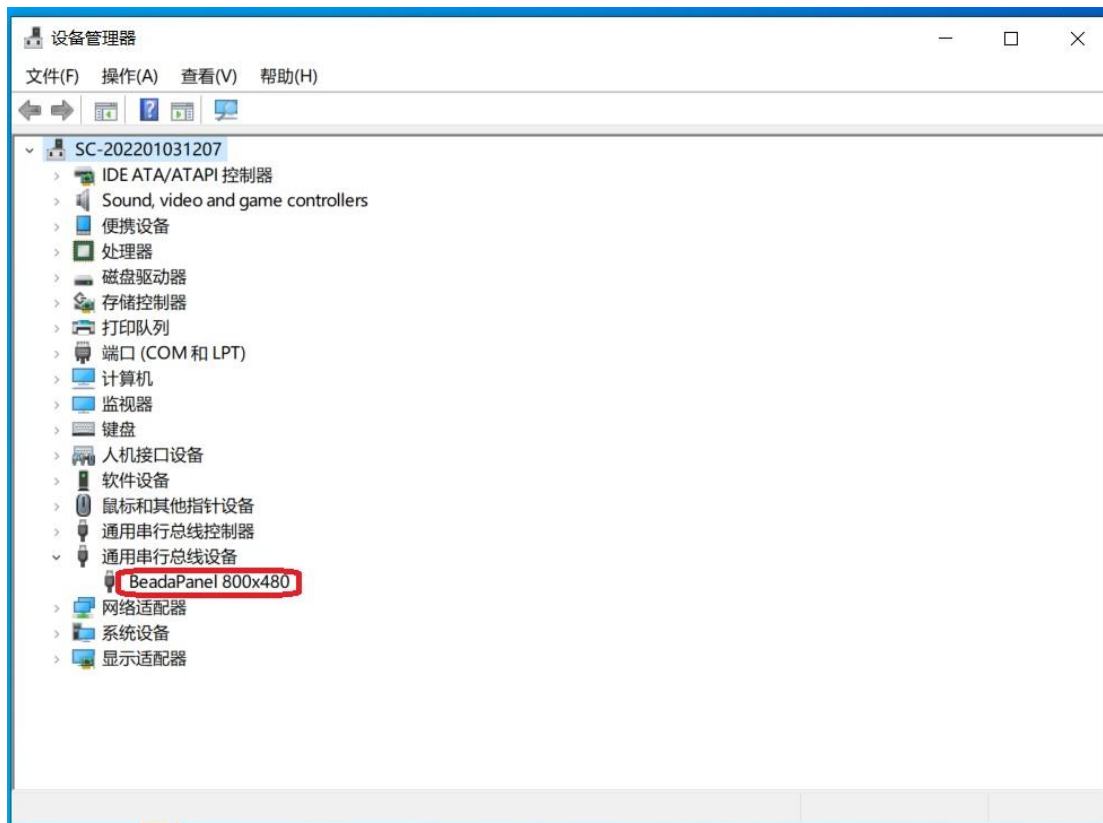
BeadaPanel screen can be used as a Windows secondary monitor, when proper driver installed on PC side.

Note: This feature is only available on Windows 10 and Windows 11.

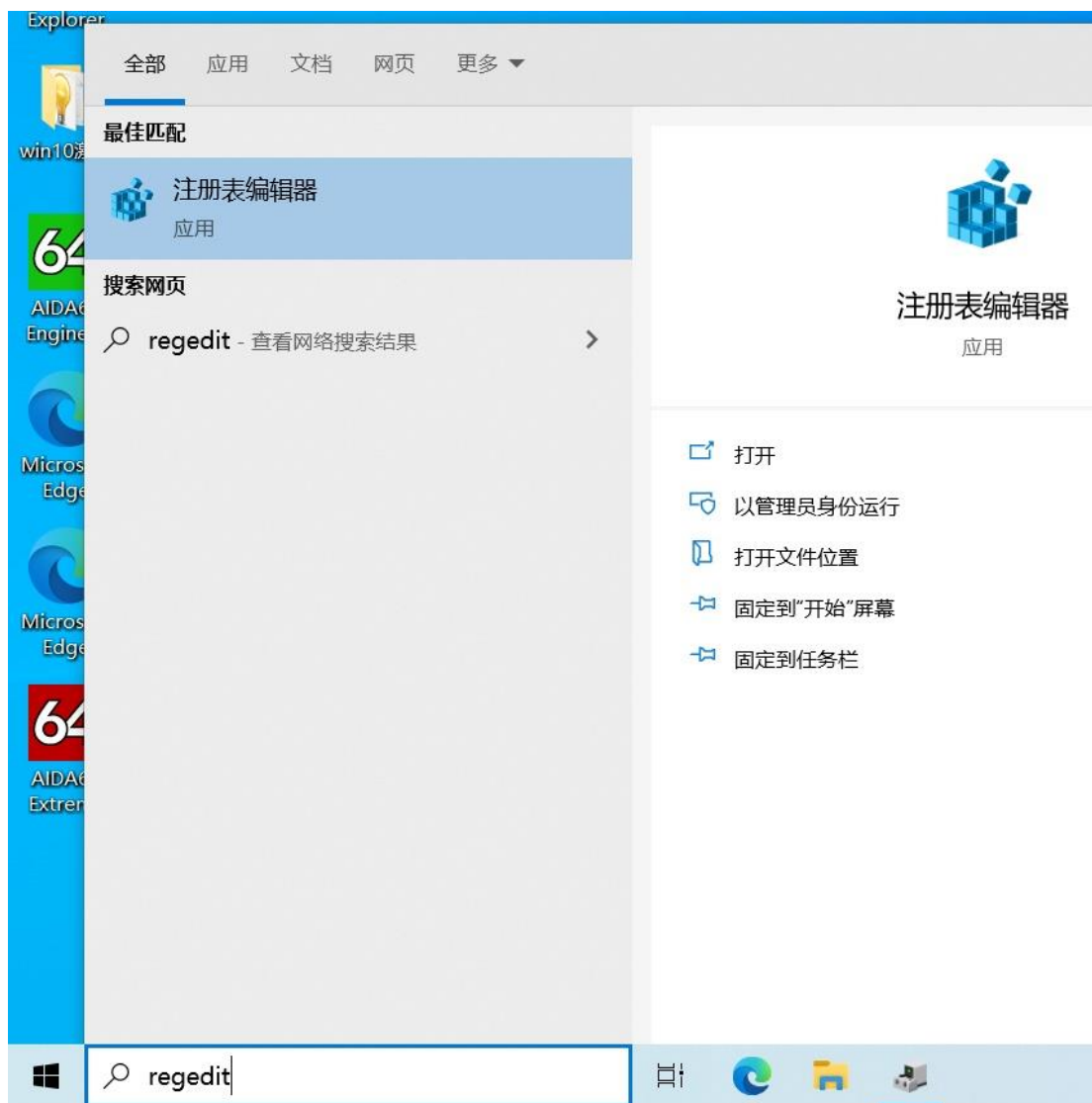
Install Procedures :

1. Connect BeadaPanel to your PC with a Micro-USB cable

You will find a BeadaPanel device appeared in your Windows Device Manager



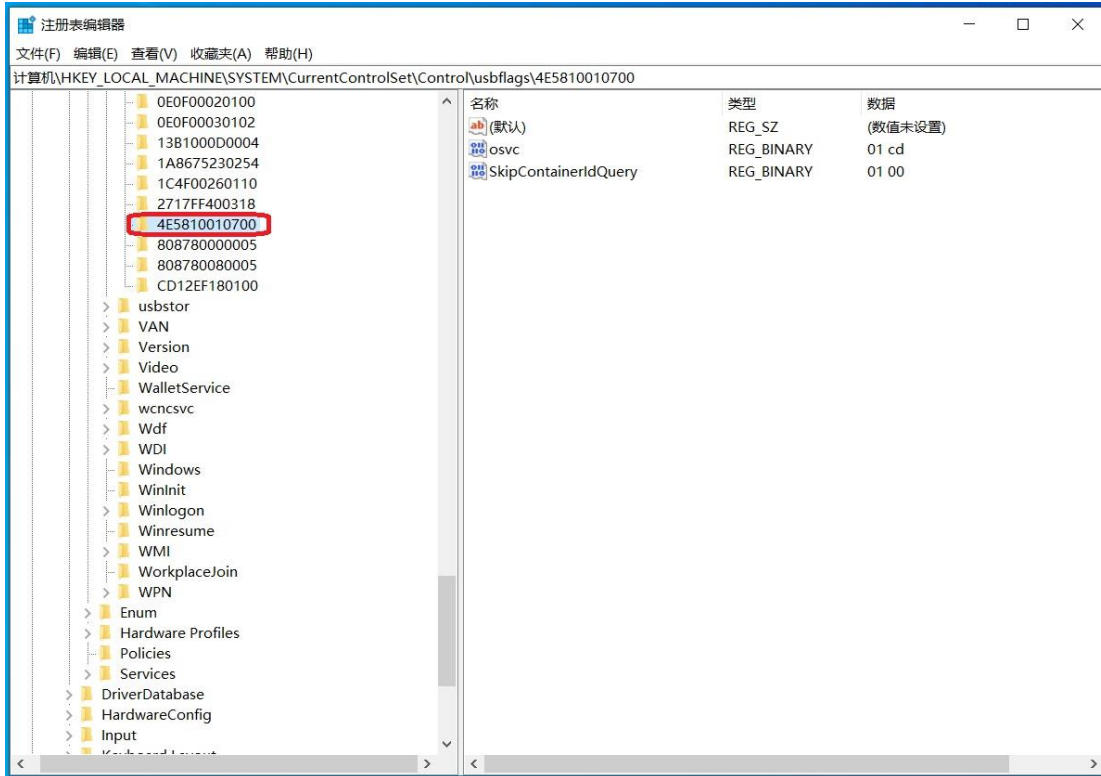
2. Run “regedit” from Windows Command Prompt



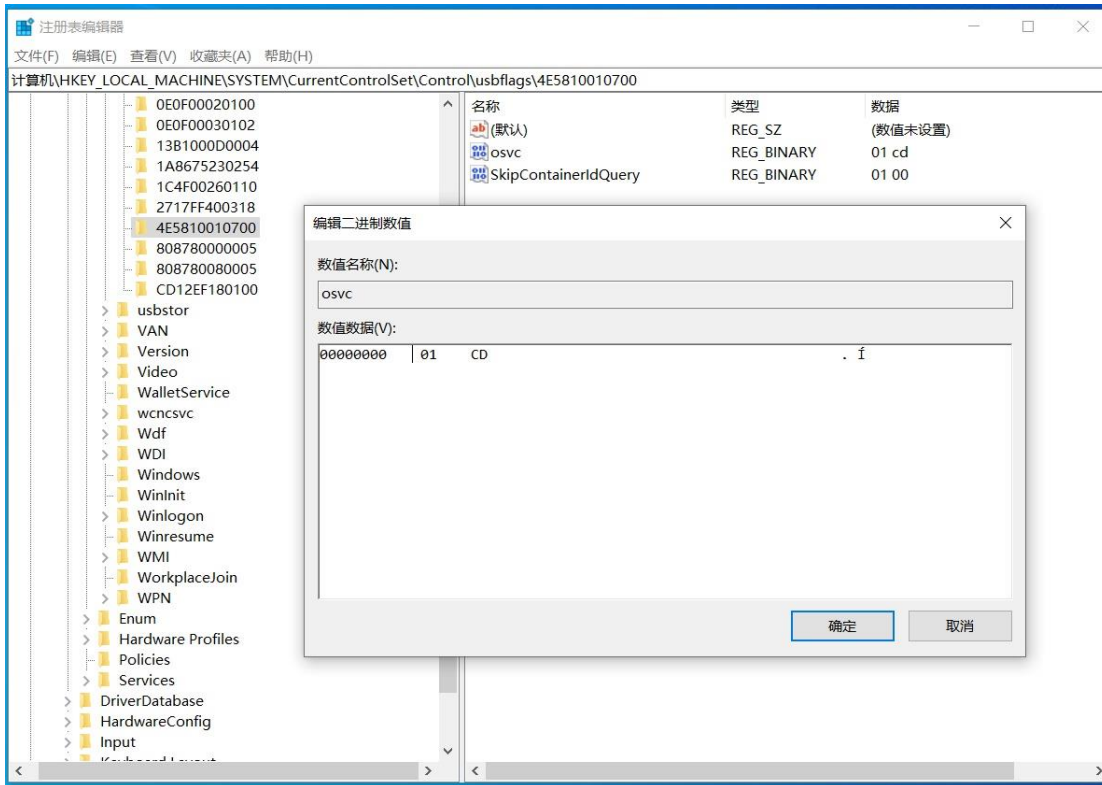
3. Find registry folder

“HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\usbflags\4E5810010700”

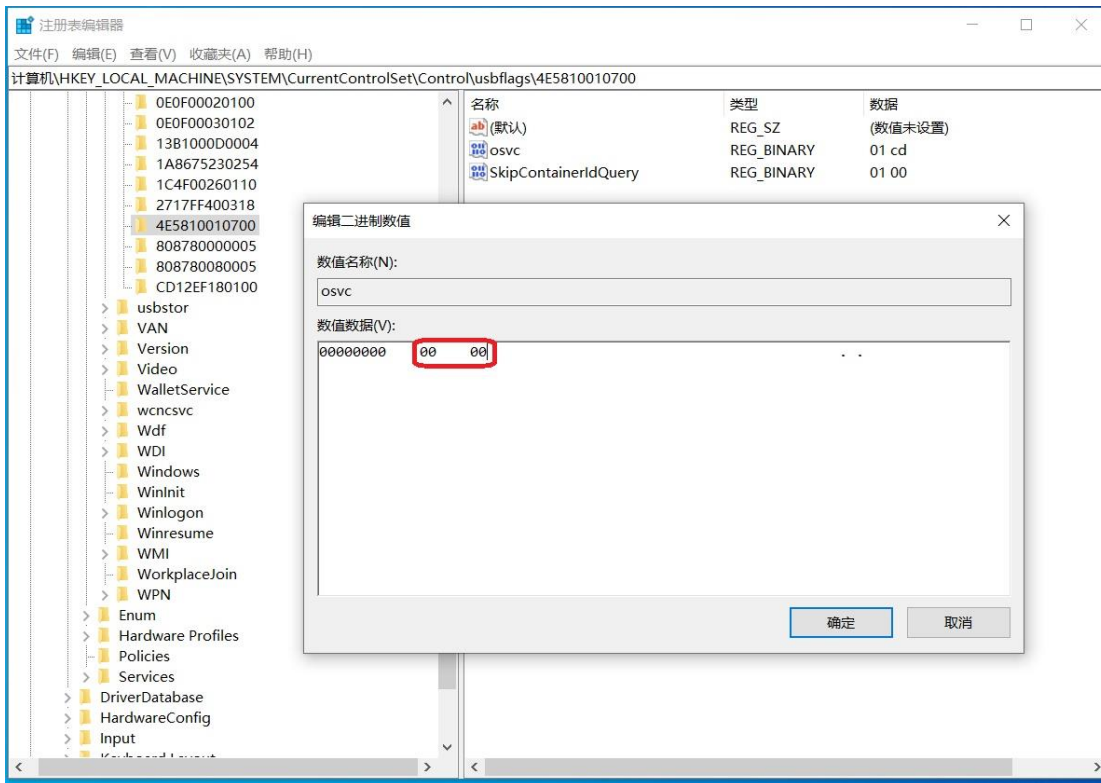
Note: The last three digitals “700” stand for firmware version of device being connected and will be changed in future whenever firmware upgrade happens, like say “701” or “702” and so on.



4. Find sub key "osvc"



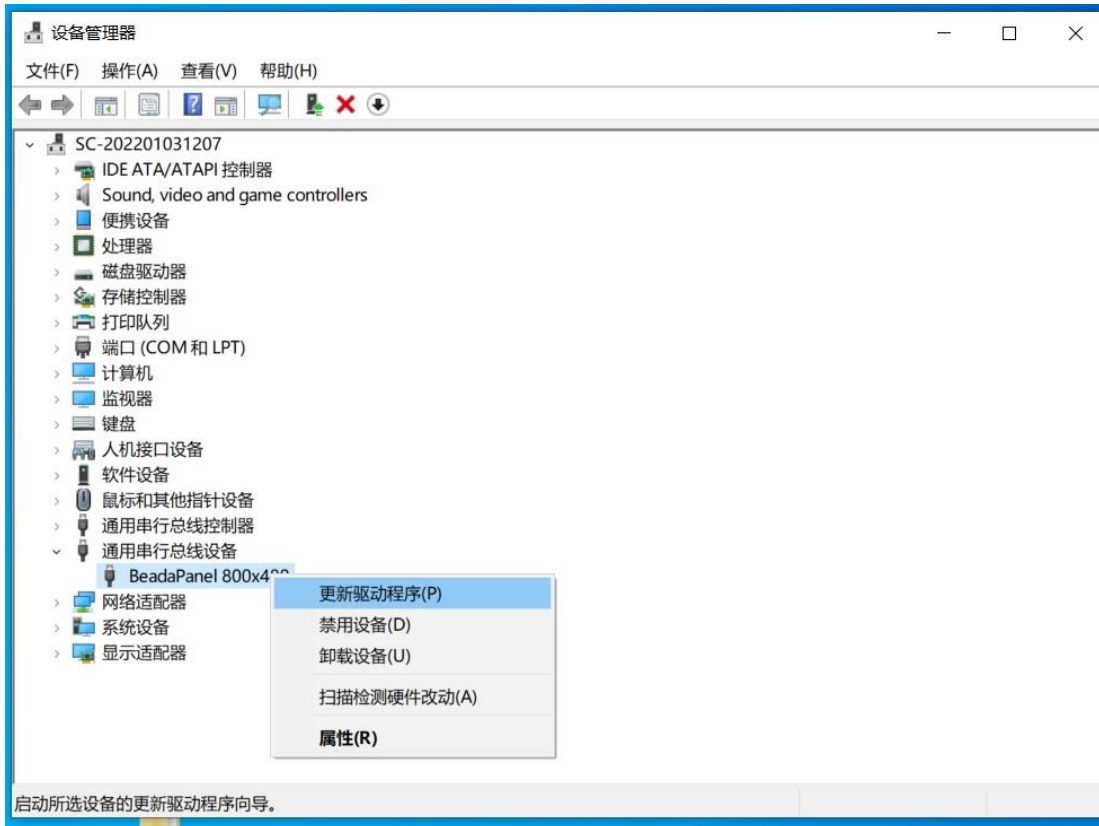
5. Change value of “osvc” to “00” and “00”



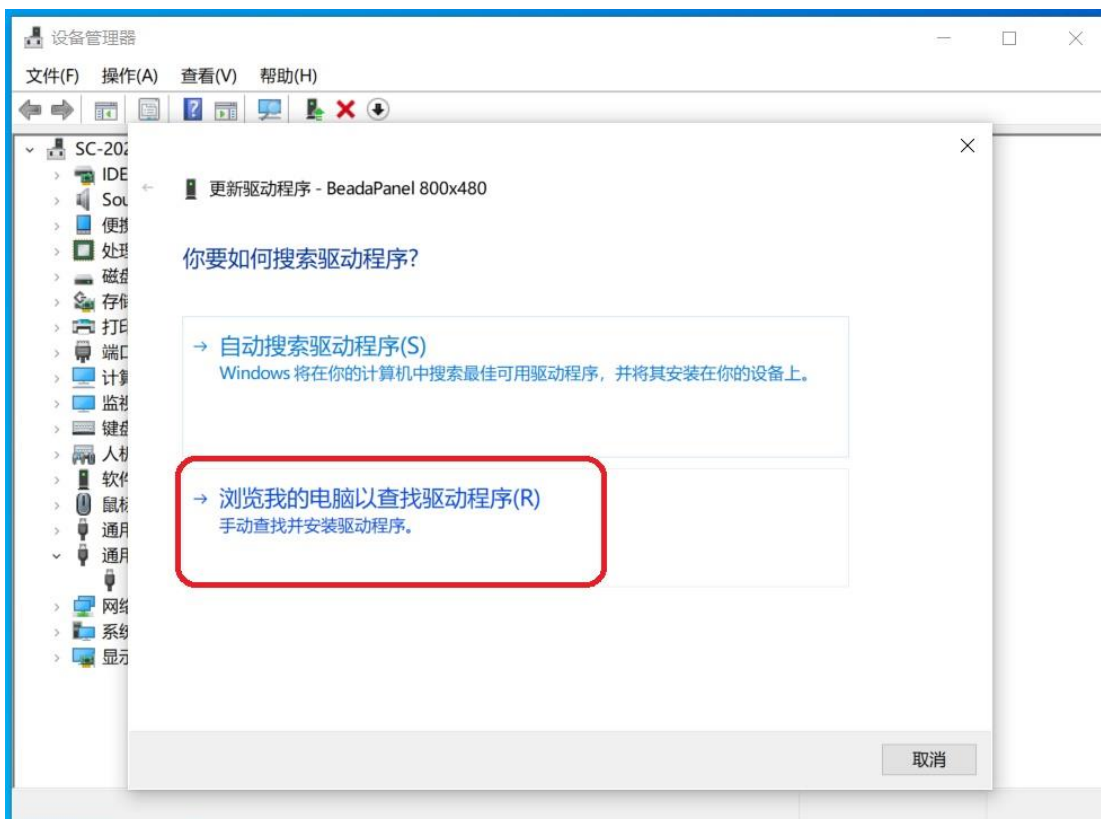
6. Restart Windows

7. Open Device Manager and find BedaPanel device again, choose “Update driver”

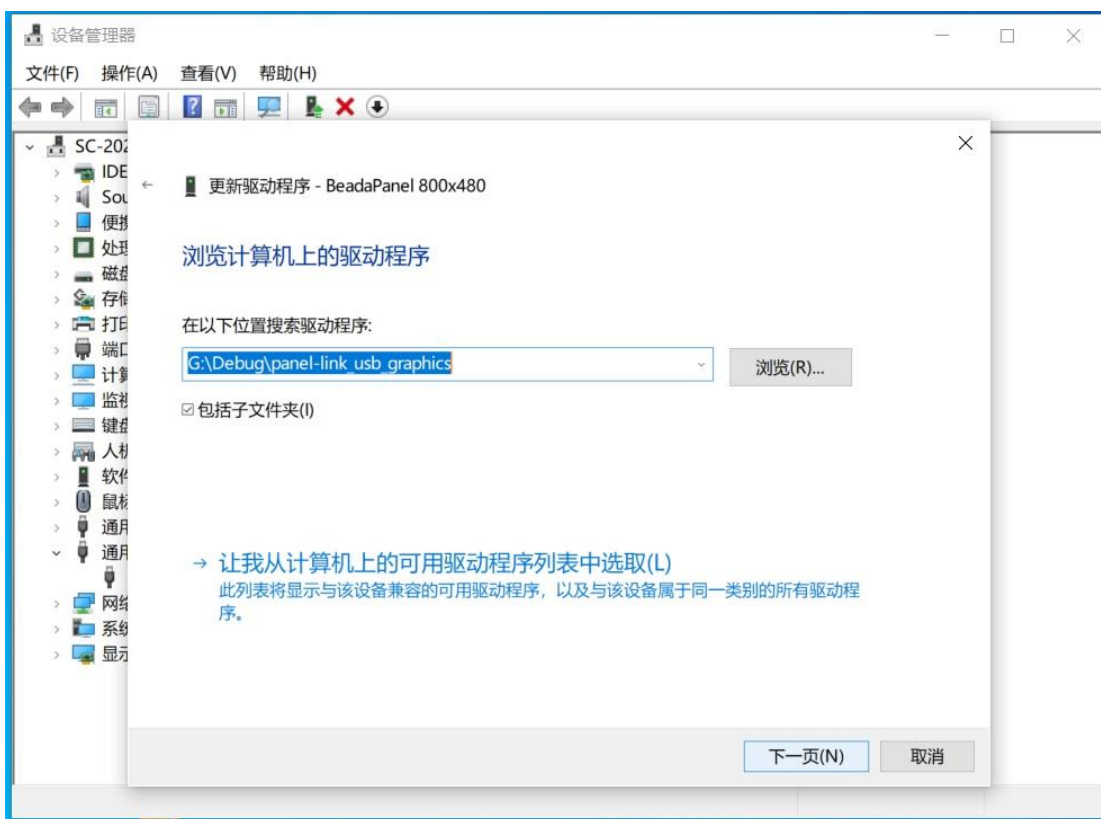
Note: Please refer to section 5 to disable driver signature verification on your Windows 10 or Windows 11, in prior to go to next step



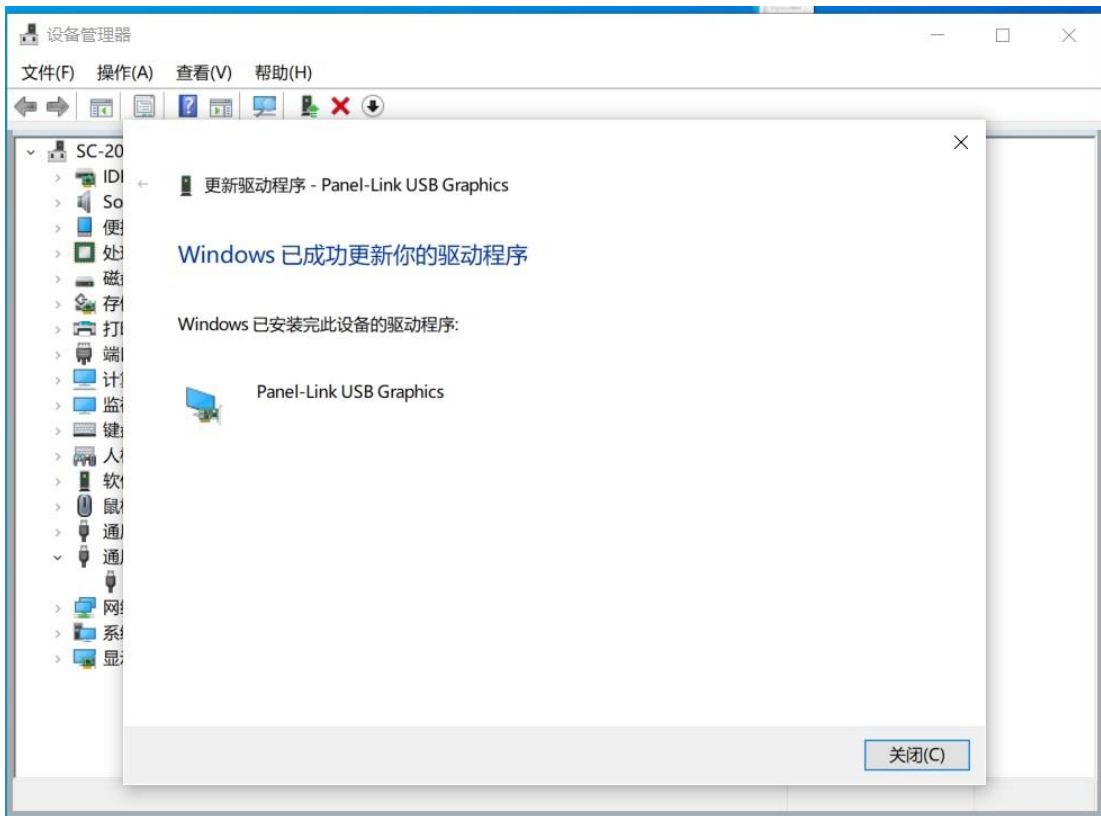
8. Choose “Browser my computer for driver software”



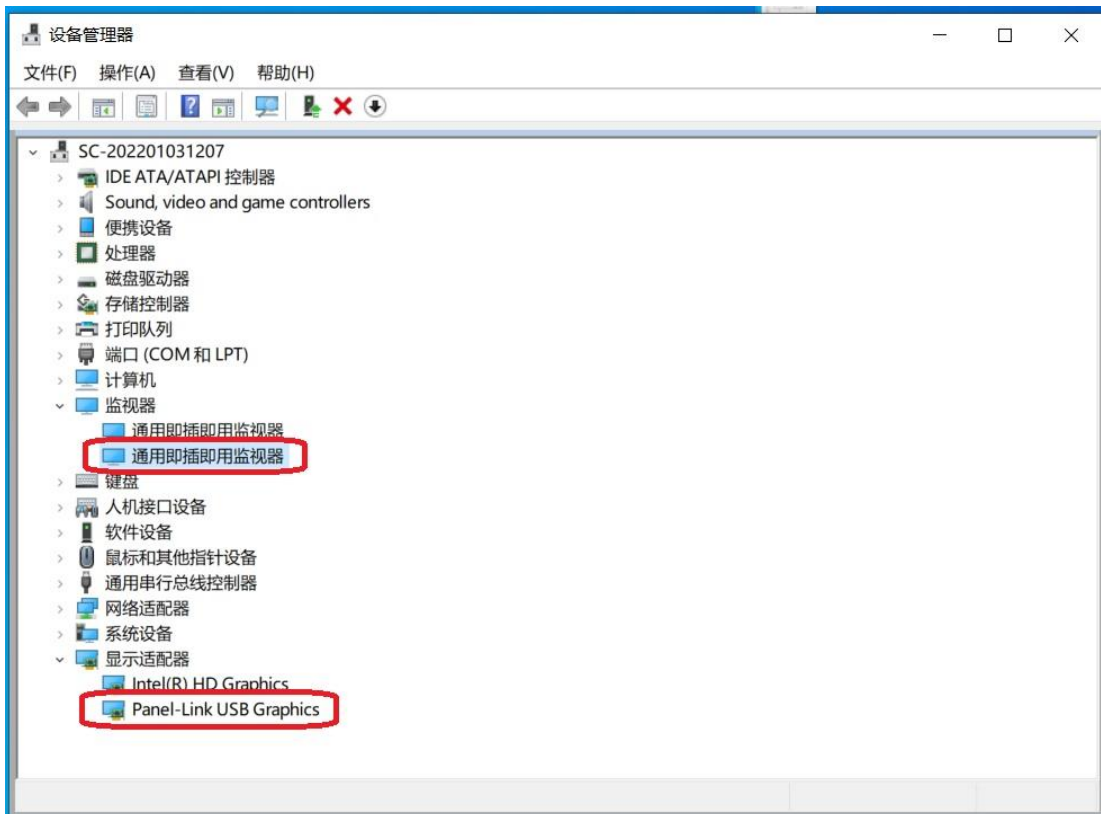
9. Choose path where driver locates and then click “Next Page”



10. Driver installed successfully

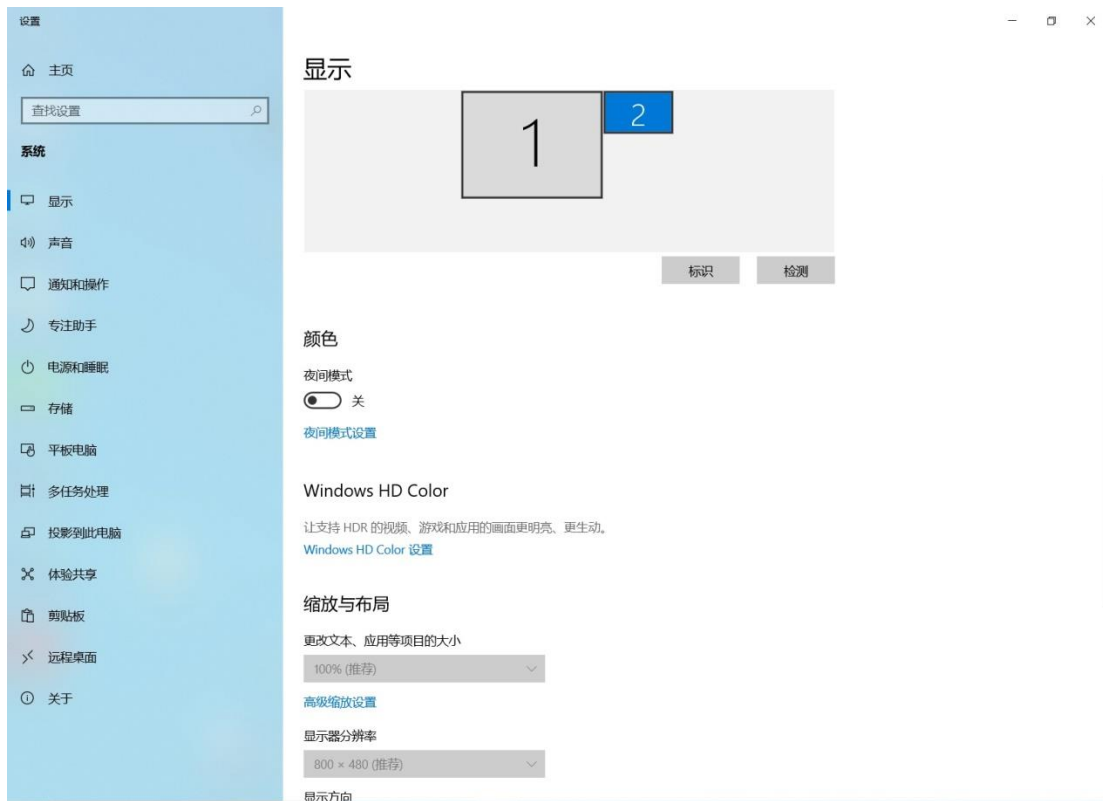


11. A new display adapter and it's corresponding monitor appeared in Device Manager



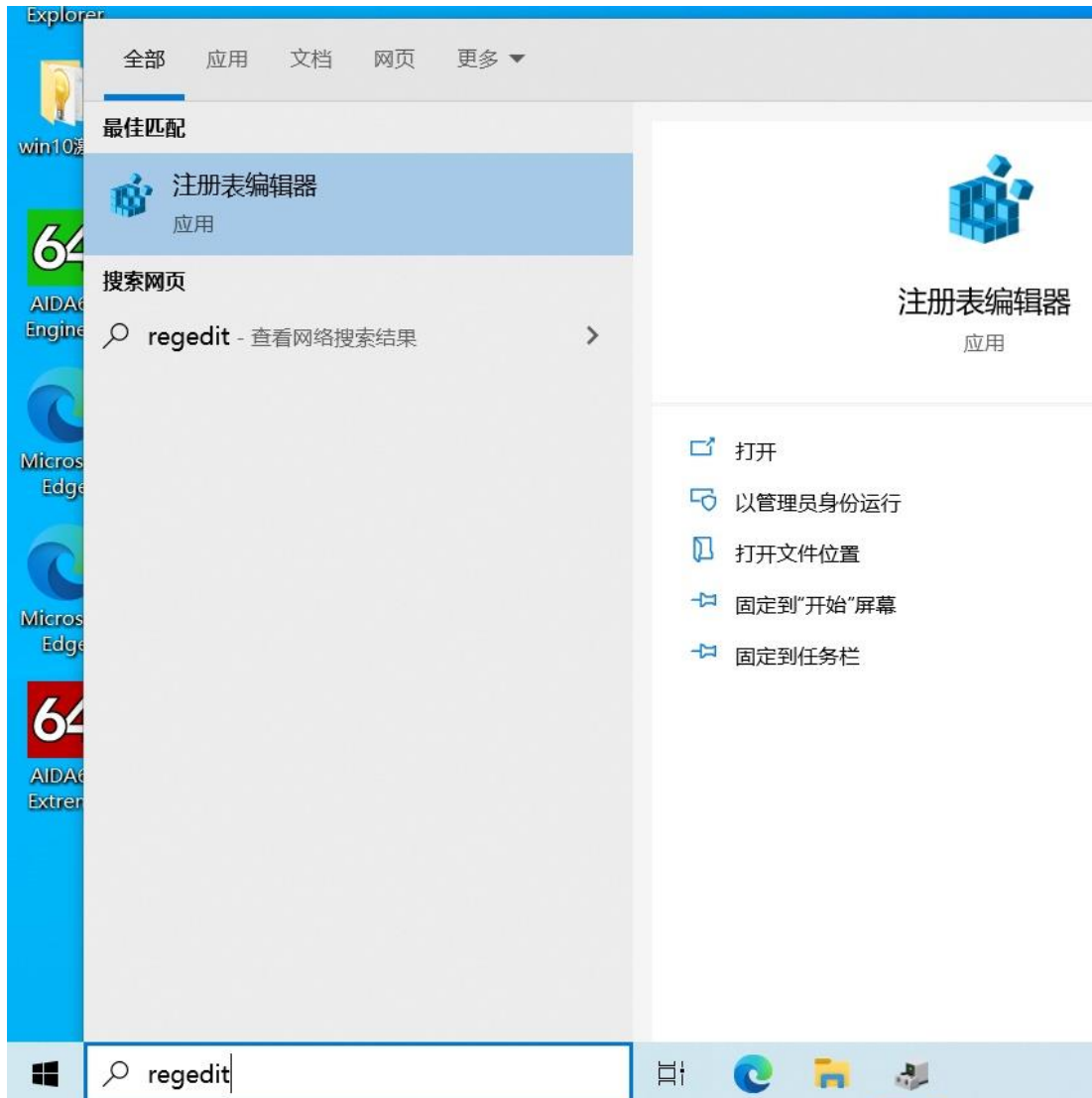
12. New monitor in Start > Settings > System > Display

You can use this secondary monitor right now



2. Uninstall Driver for Windows Secondary Monitor

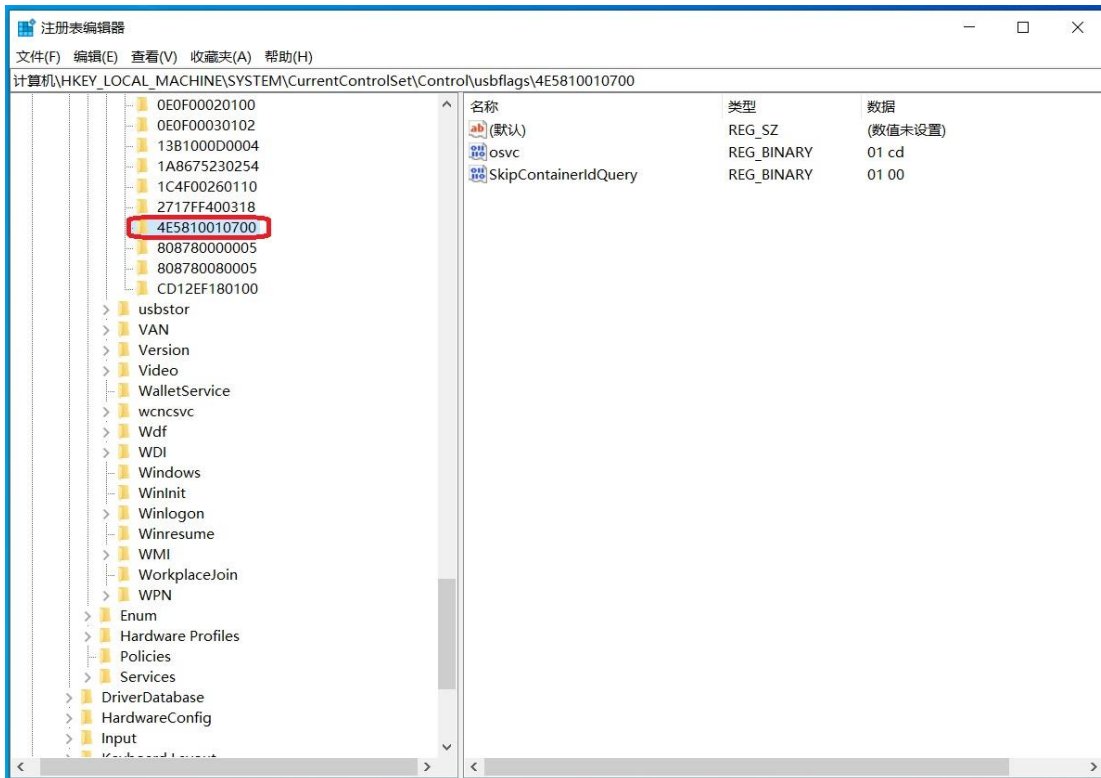
1. Run "regedit" from Windows Command Prompt



2. Find

“HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\usbflags\4E5810010700”

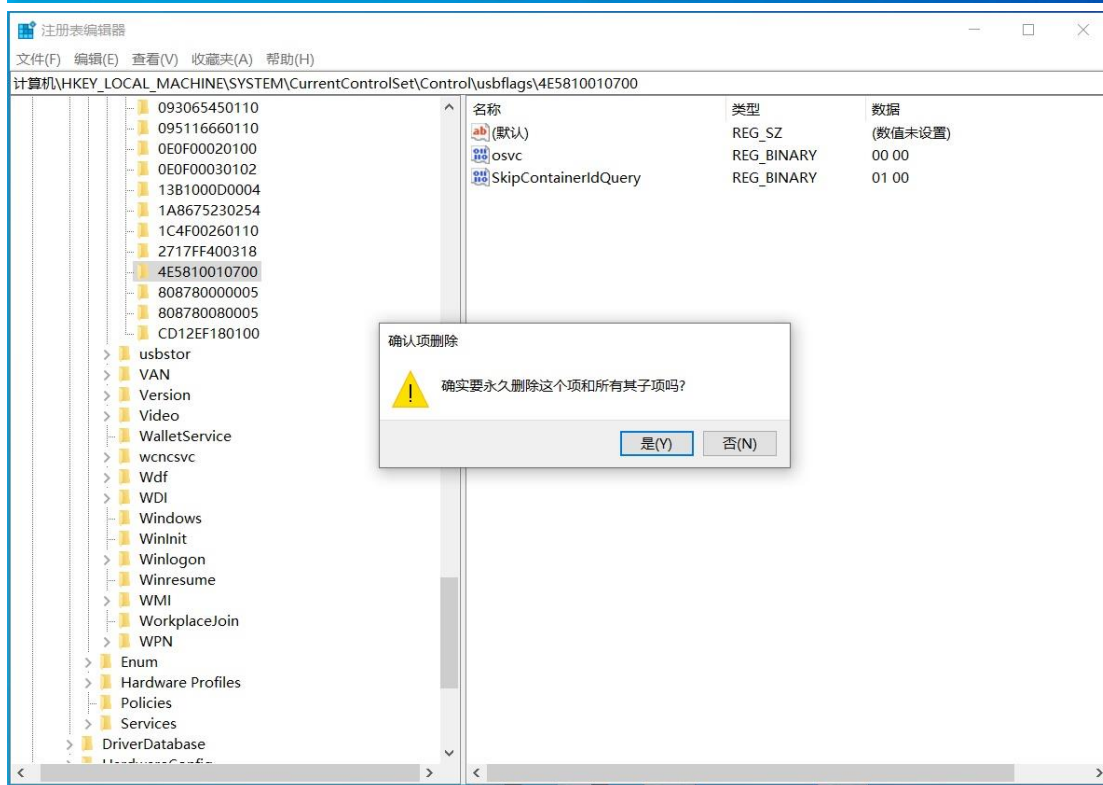
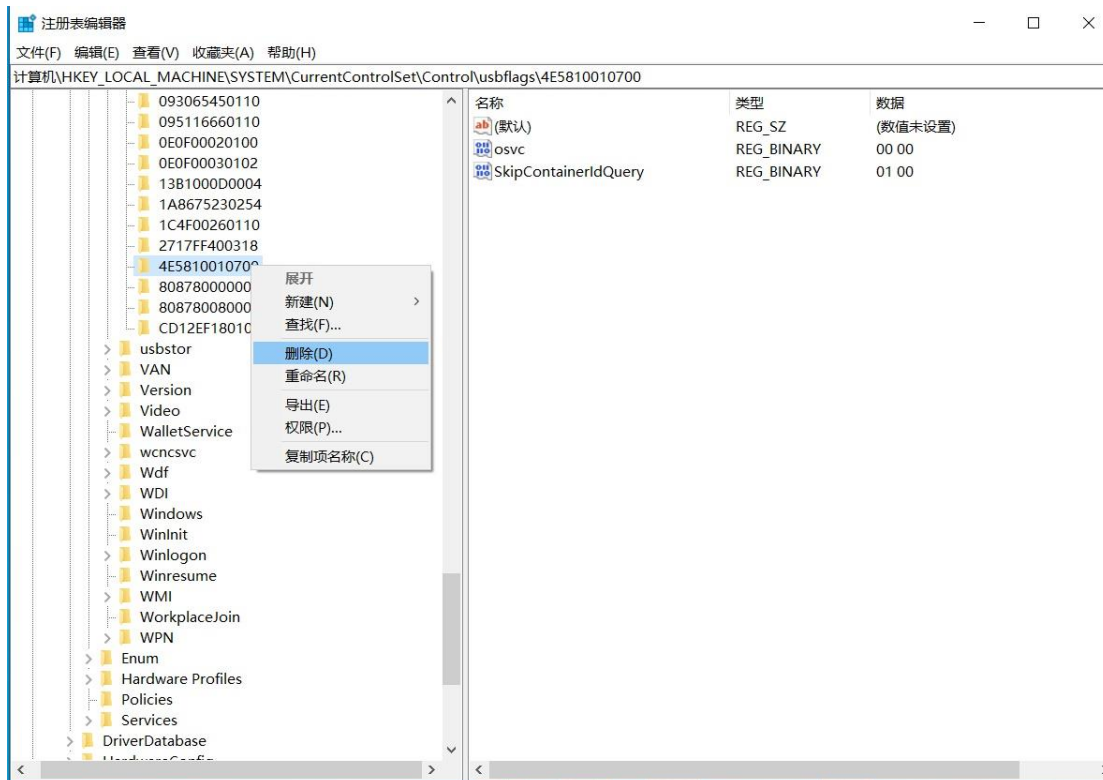
registry



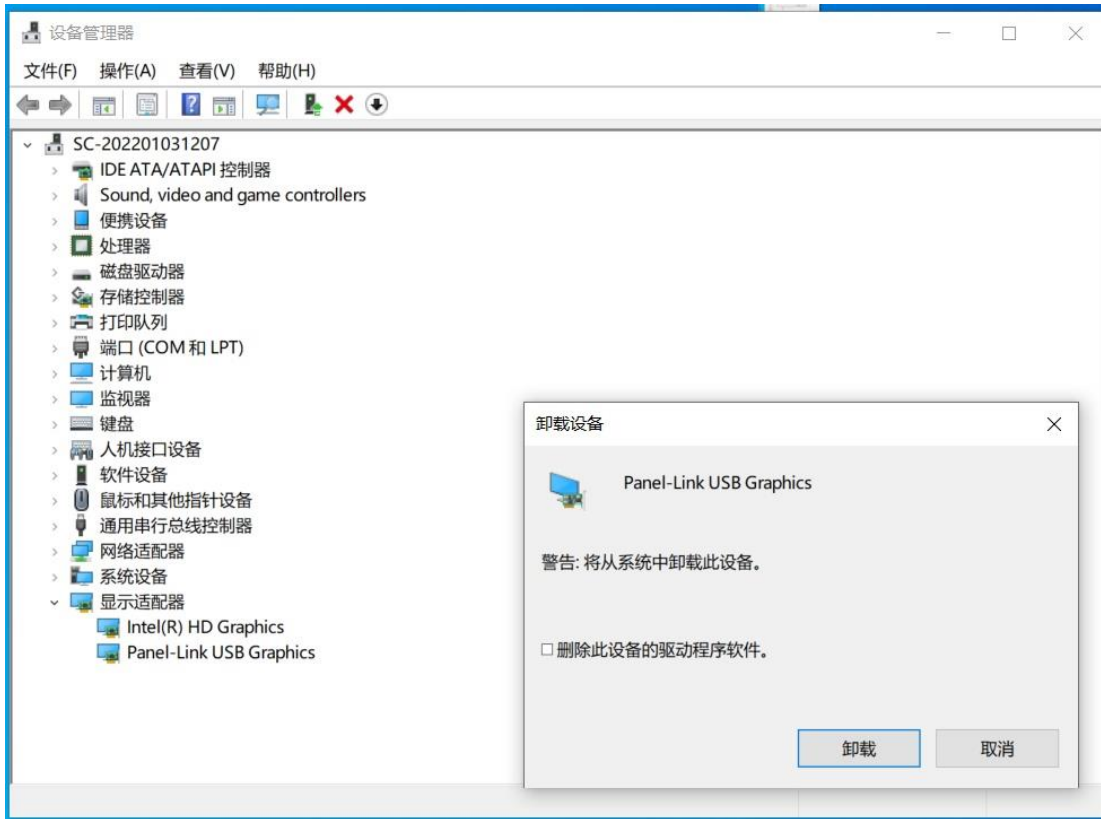
3. Delete

the
“HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\usbflags\4E5810010700”
folder

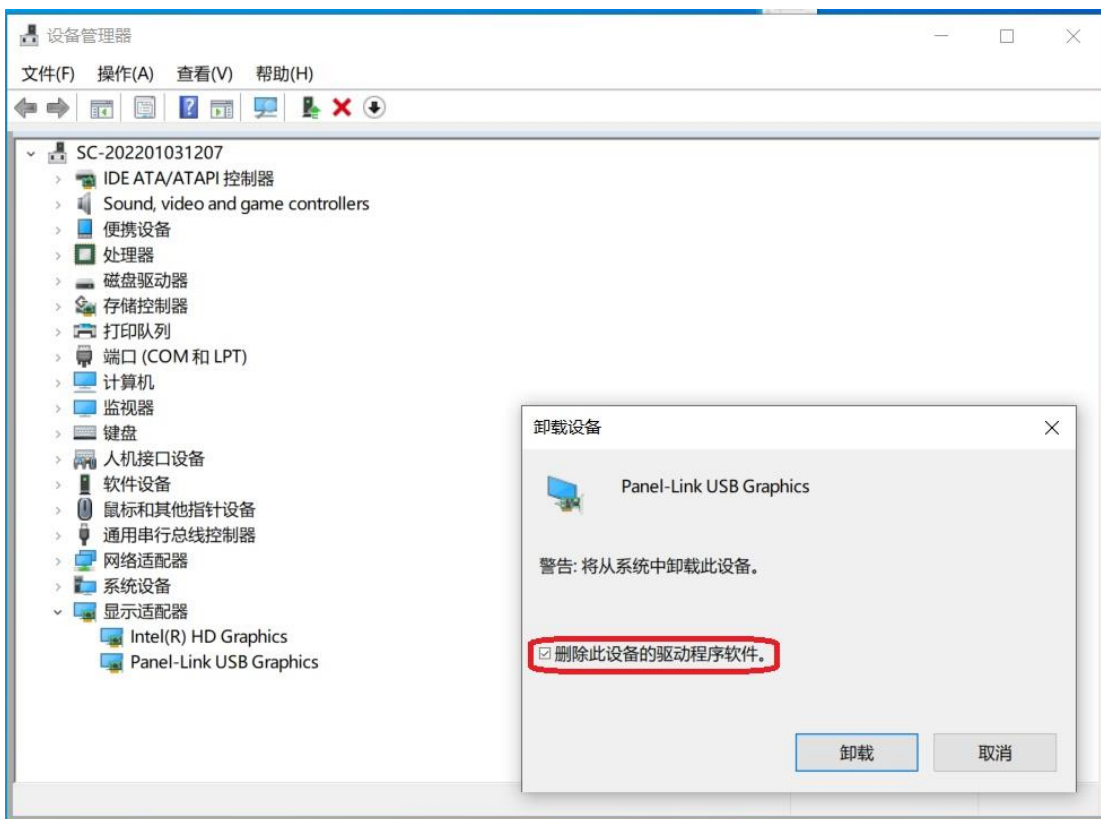
whole
registry



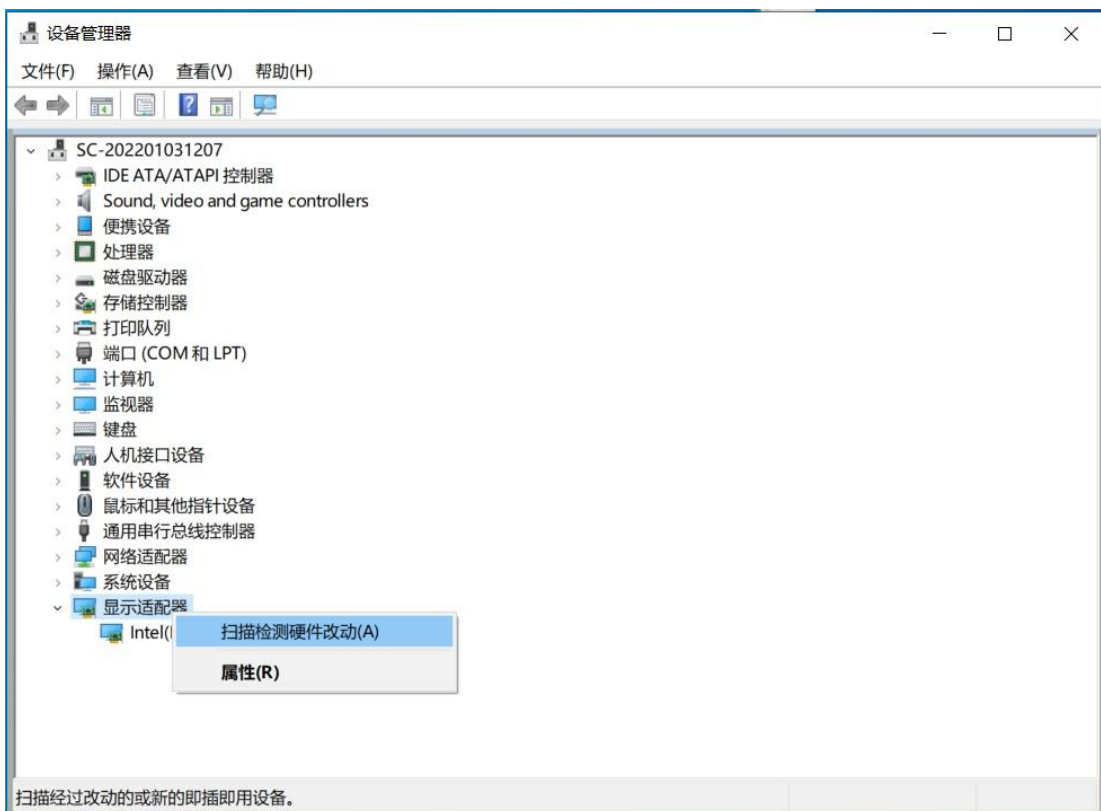
4. Restart Windows
5. Uninstall driver “Panel-Link USB Graphics”



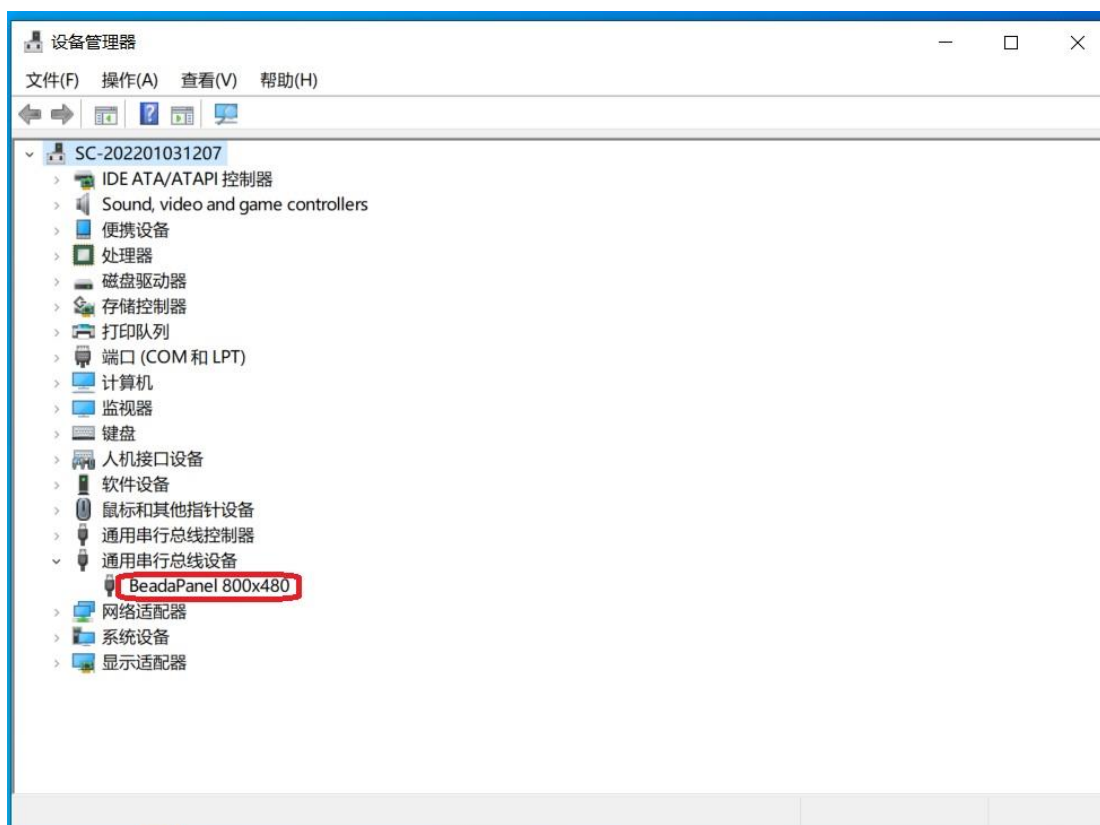
6. Click the check box of "Delete the software driver for this device" as well



7. Open Device Manager after successful uninstallation



8. Choose “Scan for hardware changes”, then BedaPanel device appears back in Device Manager.



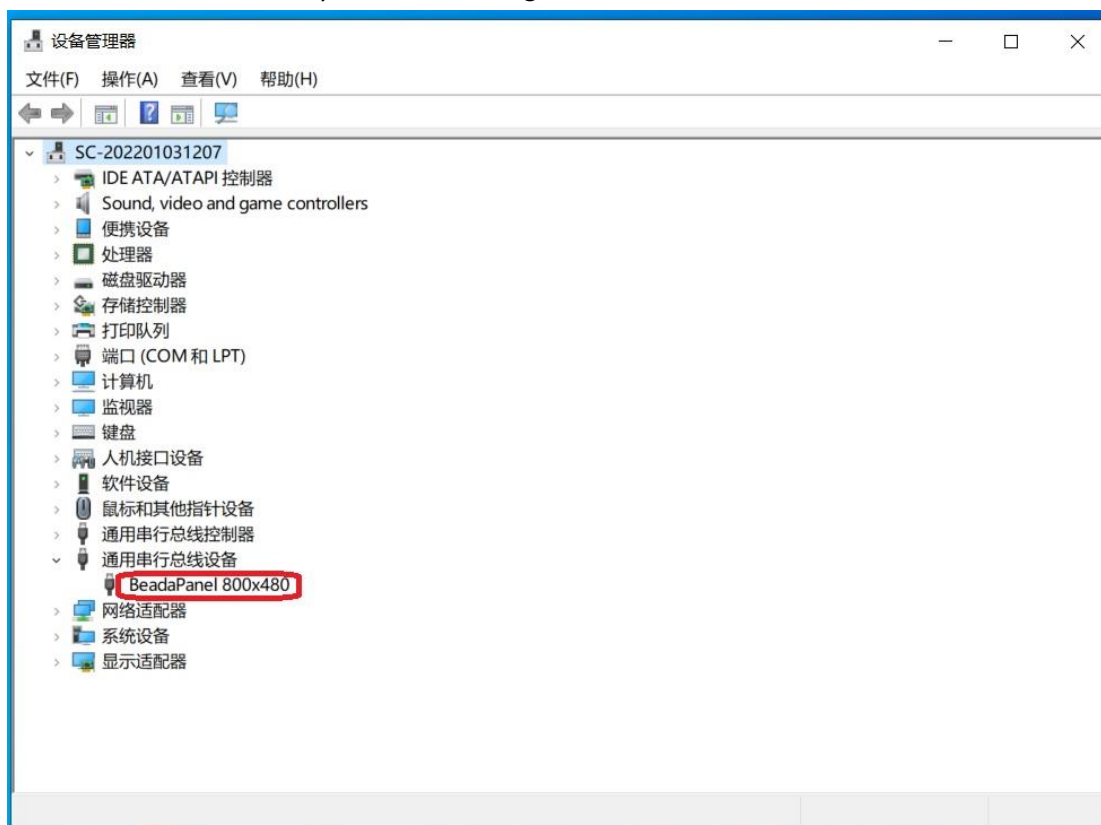
3. Access BedaPanel Internal Storage Space

There are 2 versions available for BedaTools, one is a native Windows application and another is a web based application. You can choose either of them at your convenience.

Procedures for Windows native Bedatools:

1. Ensure Panel-Link USB Graphics driver uninstalled on your PC(Refer to Section 2 if you do not know how to)
2. Connect BedaPanel to your PC with a Micro-USB cable

You can find BedaPanel in your Device Manager



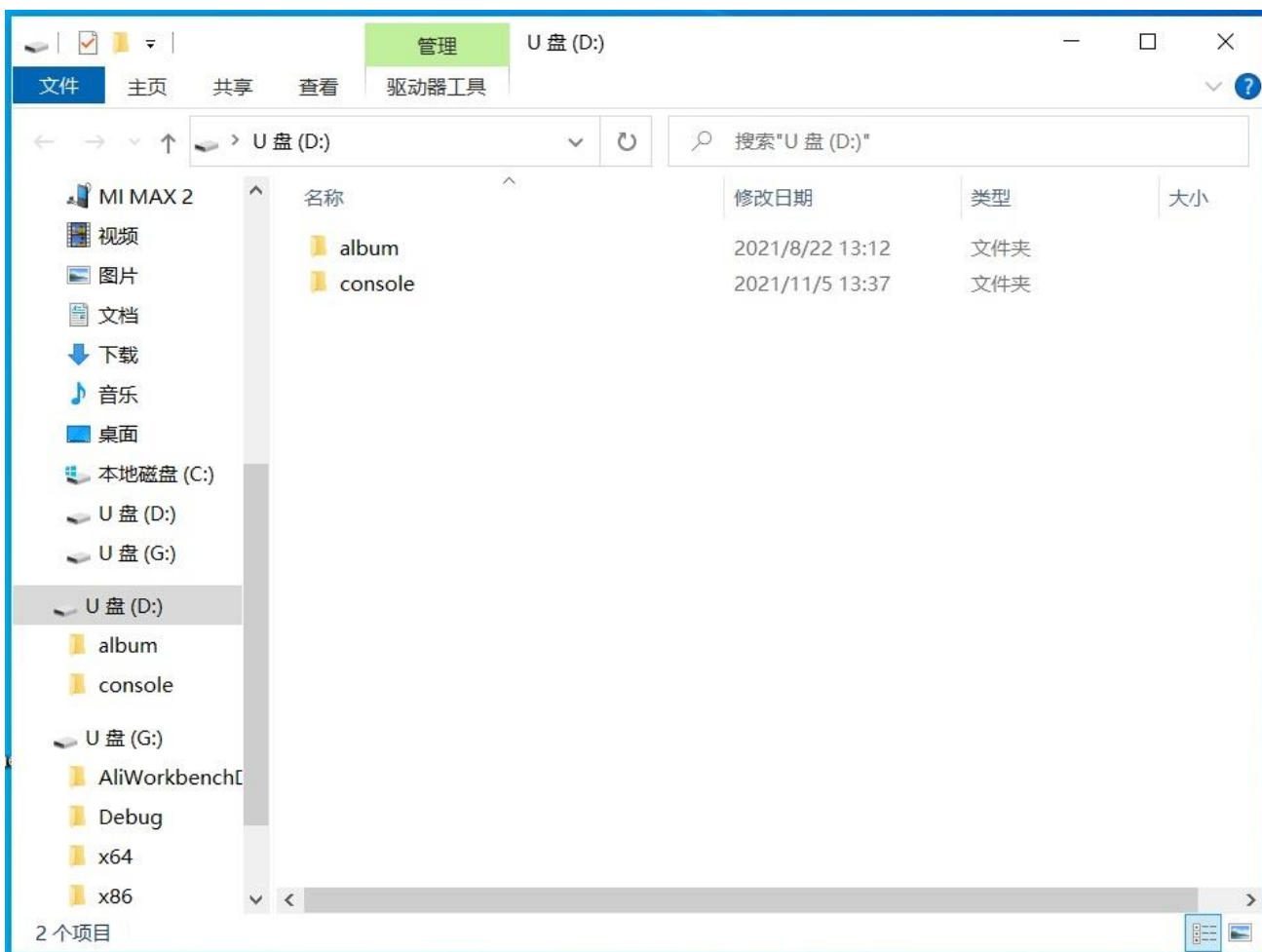
3. Run BedaTools



4. Click "Continue"

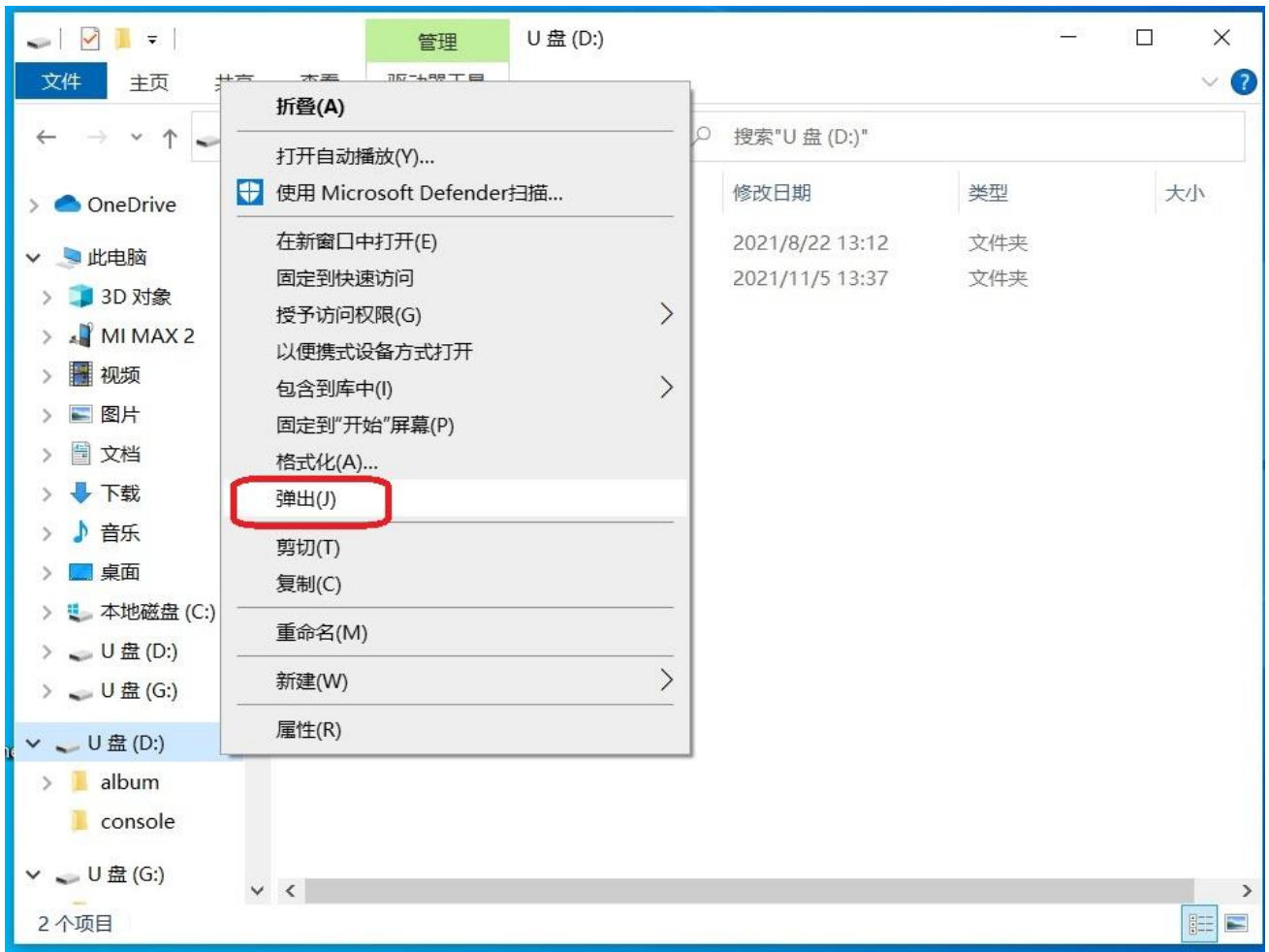
BedaTools will force BedaPanel go into "USB Mass Storage Mode"

5. Windows will report a new "Mass Storage Device" inserted



You can access internal storage space inside BedaPanel now.

6. After access, right click on Disk "D" and choose "eject"

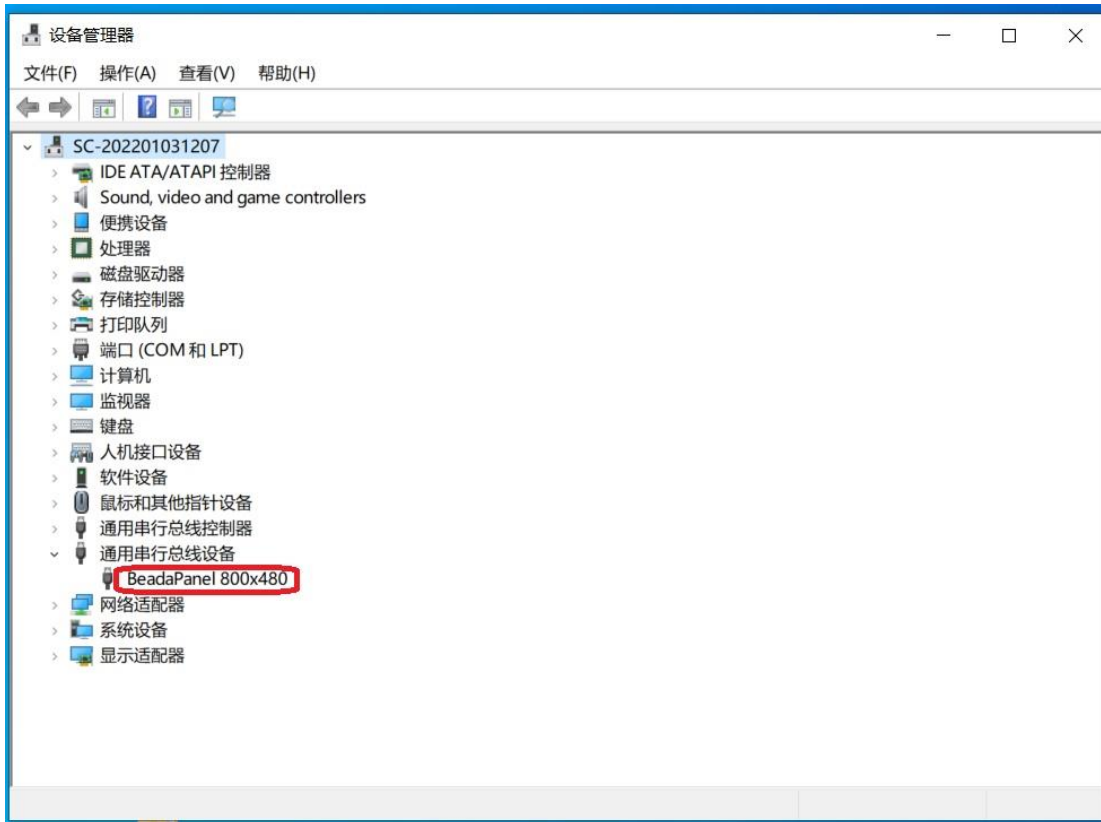


BedaPanel then will go back to normal mode.

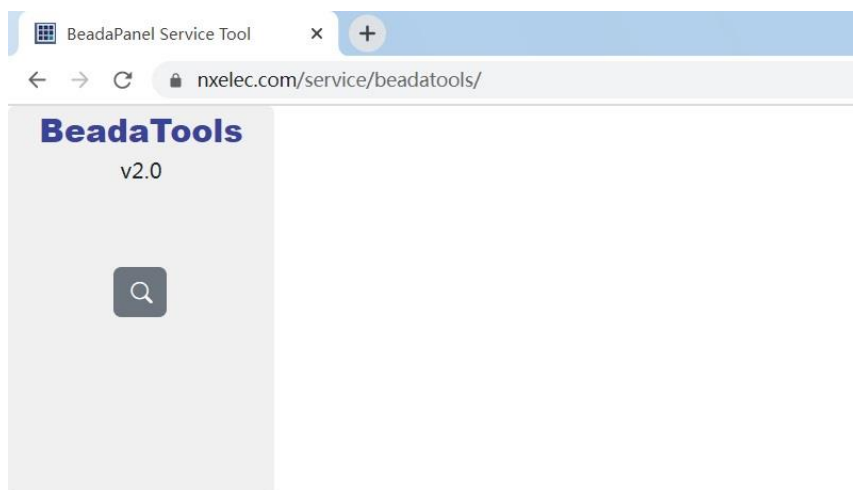
Procedures for Web based BedaTools:

1. Ensure Panel-Link USB Graphics driver uninstalled on your PC(Refer to Section 2 if you do not know how to)
2. Connect BedaPanel to your PC with a Micro-USB cable

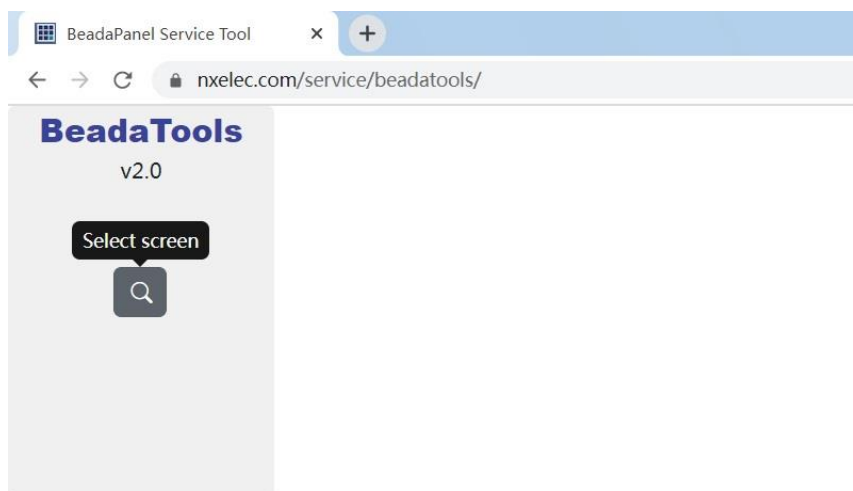
You will find BedaPanel in your Device Manager



3. Open your web browser and enter www.nxelec.com/service/beadatools



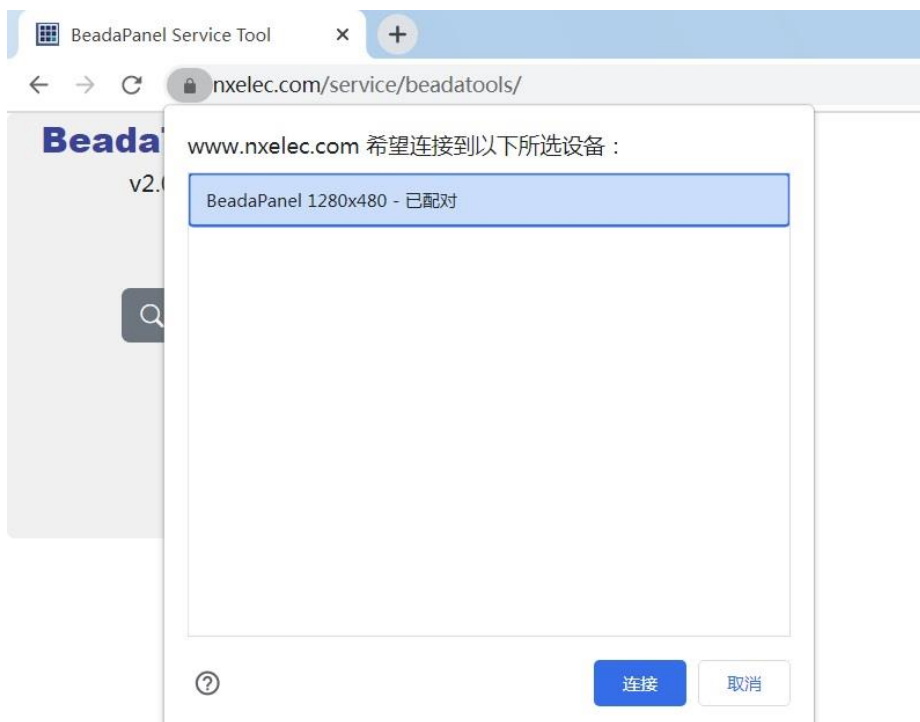
4. Click "Select screen" button

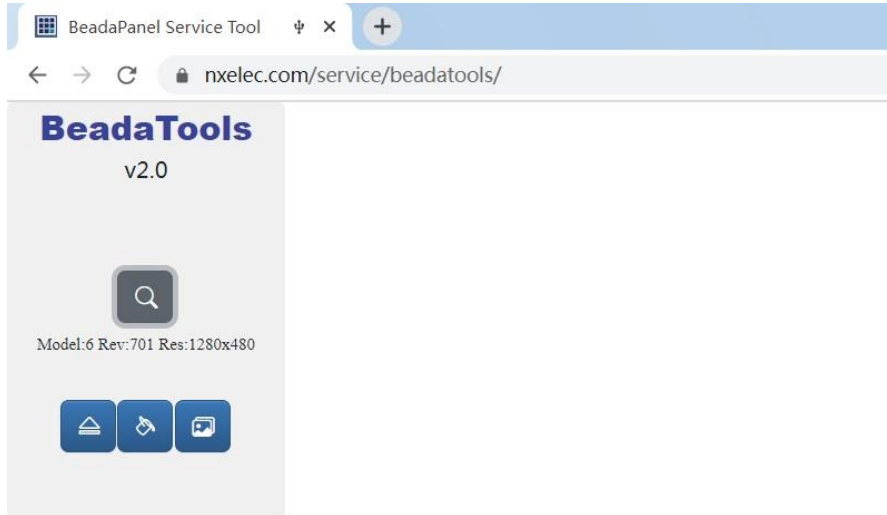


5. A new window pop up to let you select BeadaPanel screen

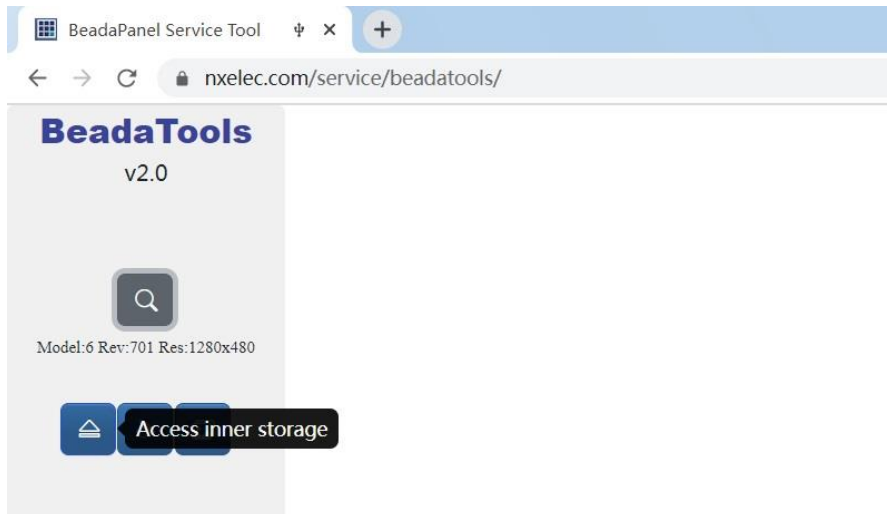


6. Select a screen and then click "connect"

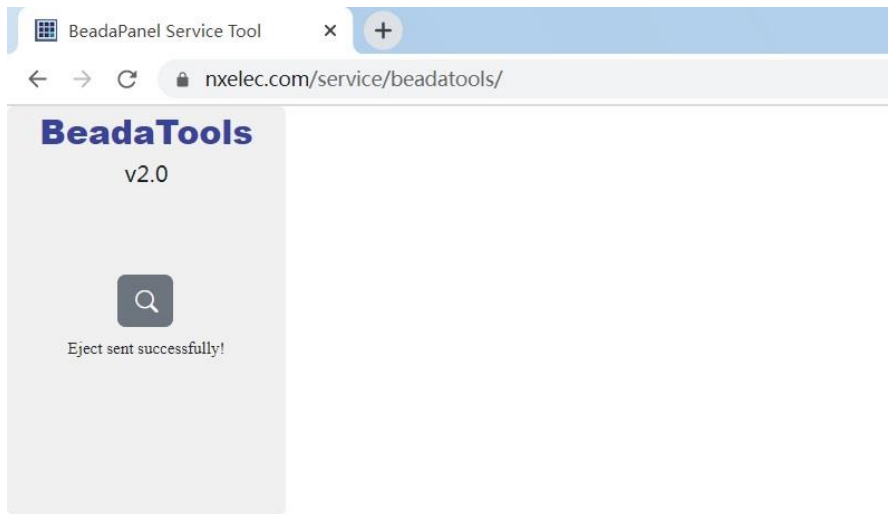




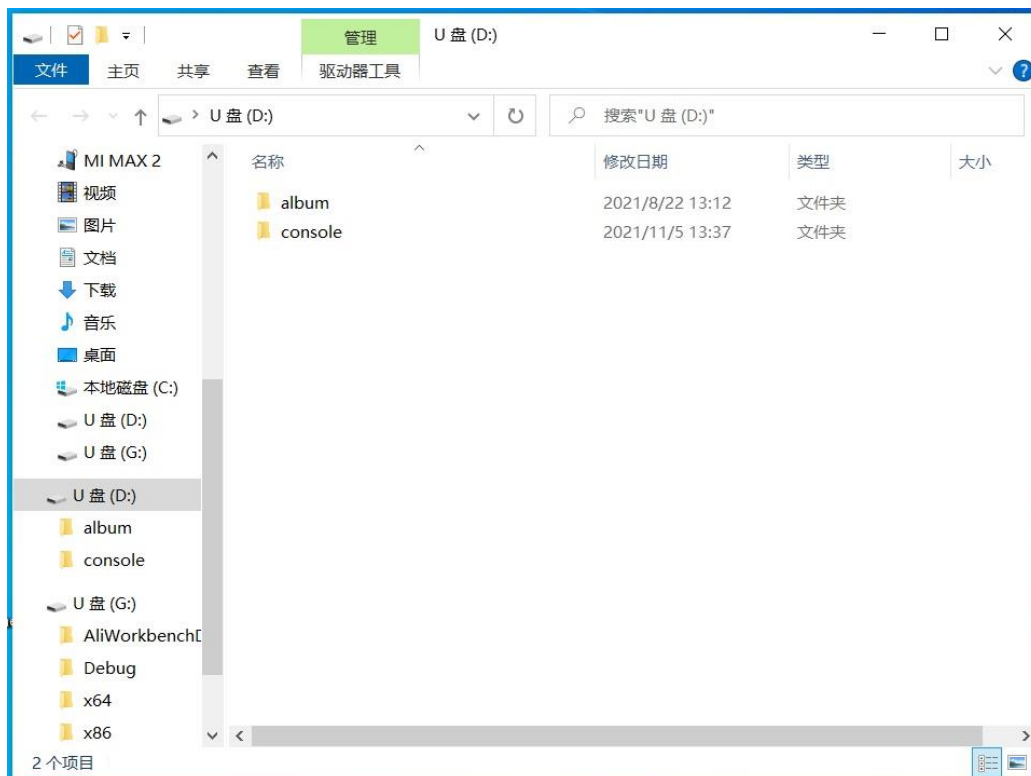
7. Click "Access Inner storage" button



8. BedaTools will force BedaPanel enter “USB Mass Storage” mode.

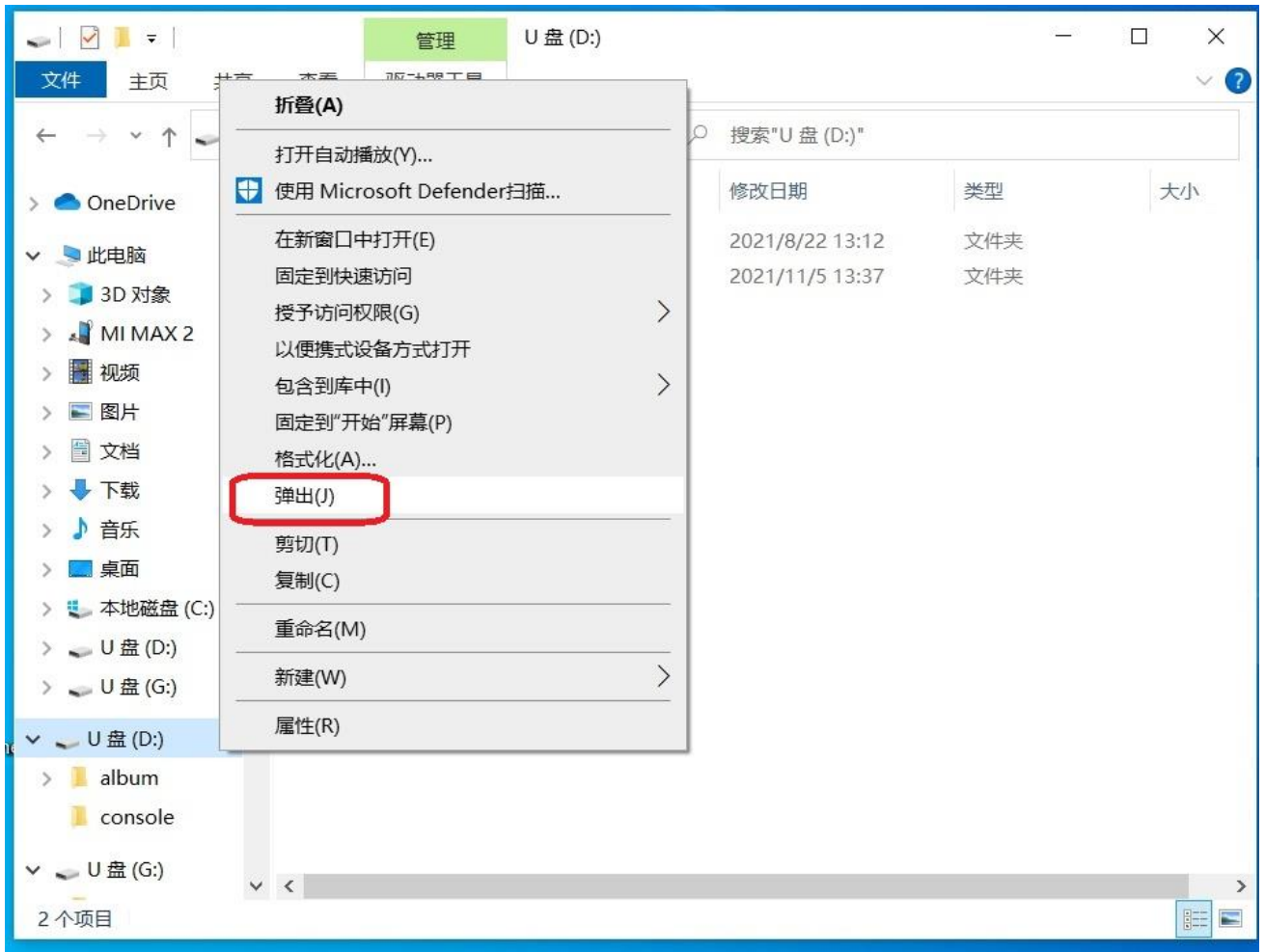


9. Windows will report a new “Mass Storage Device” inserted



You can access internal storage space inside BedaPanel now.

10. After access, right click on Disk "D" and choose "eject"



BedaPanel then will go back to normal mode.

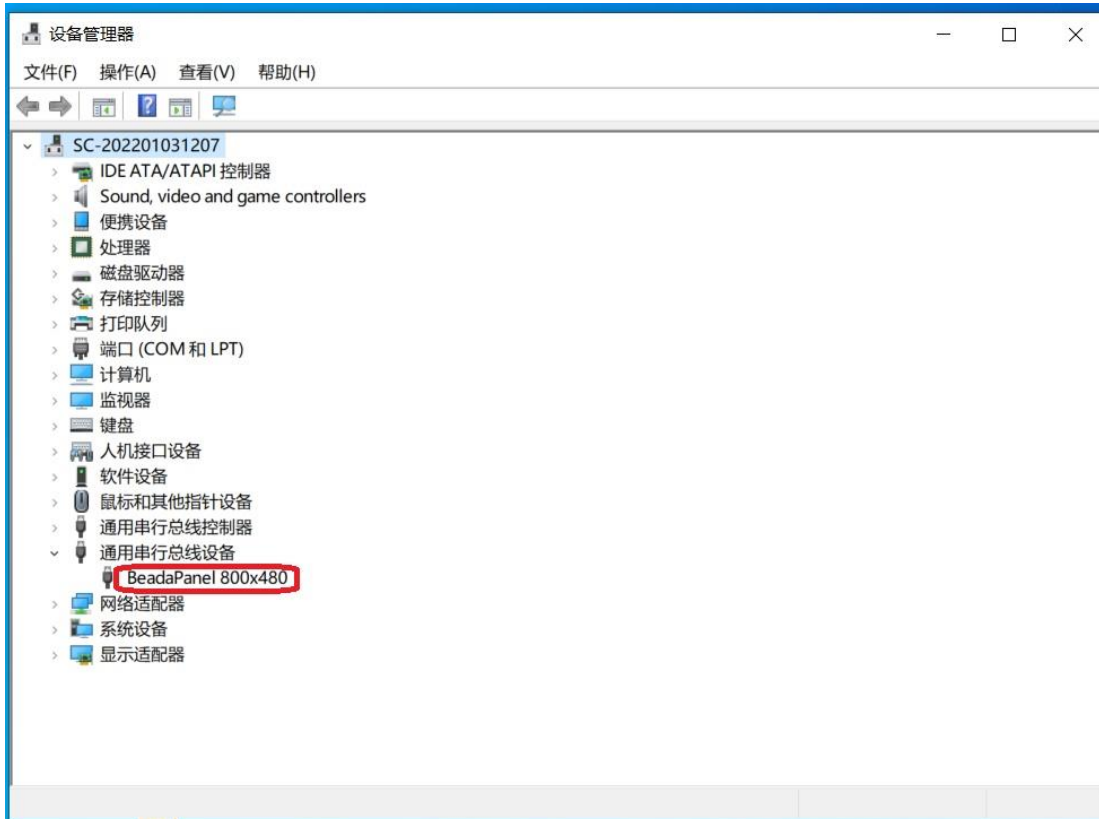
4. How to Link to AIDA64

AIDA64 supports BedaPanel via an internal “LCD” feature.

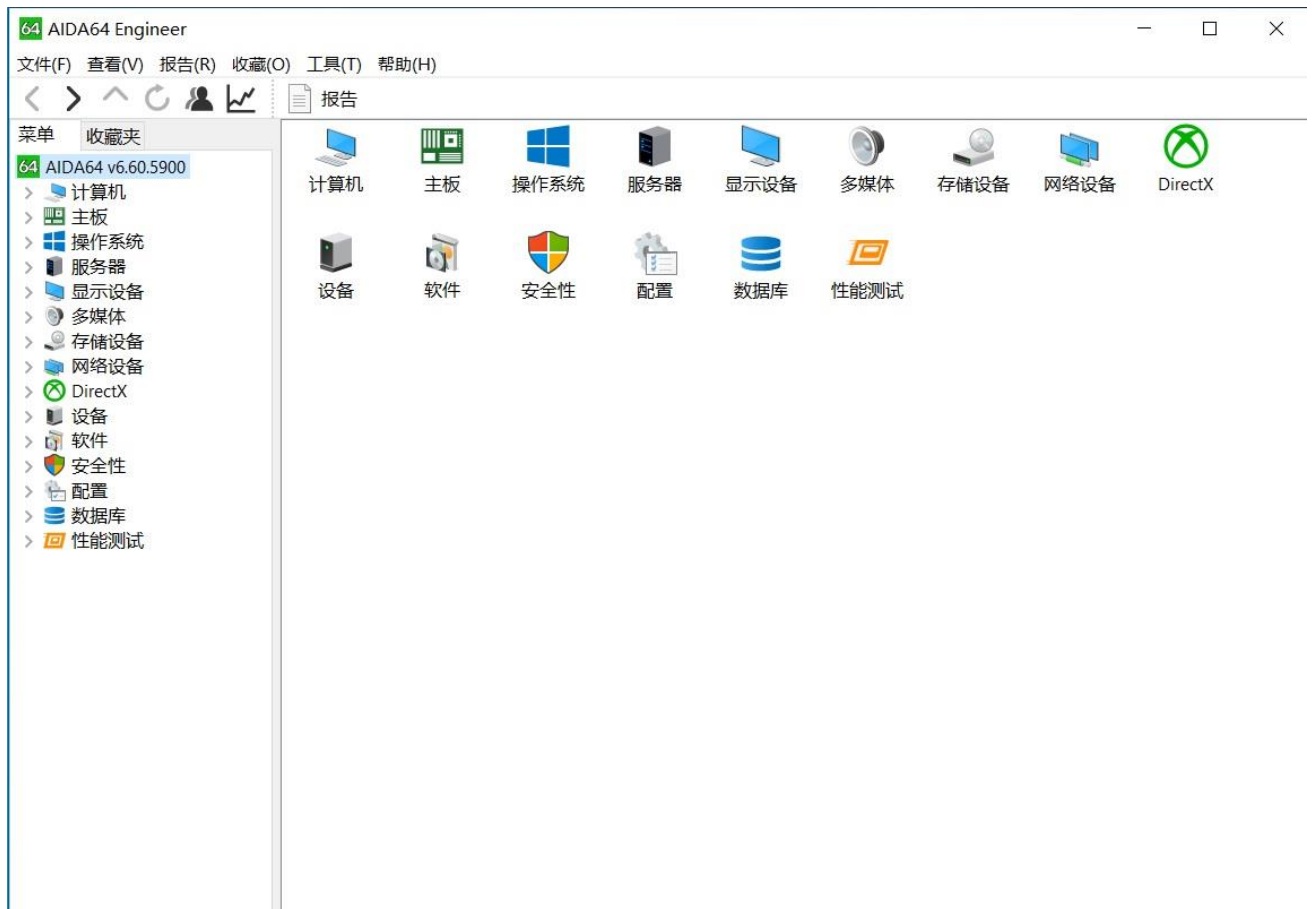
Procedures for link of AIDA64:

1. Ensure Panel-Link USB Graphics driver uninstalled(Refer to Section 2 if you do not know how to)
2. Connect BedaPanel to PC with a Micro-USB cable

You can find BedaPanel device in Windows Device Manager

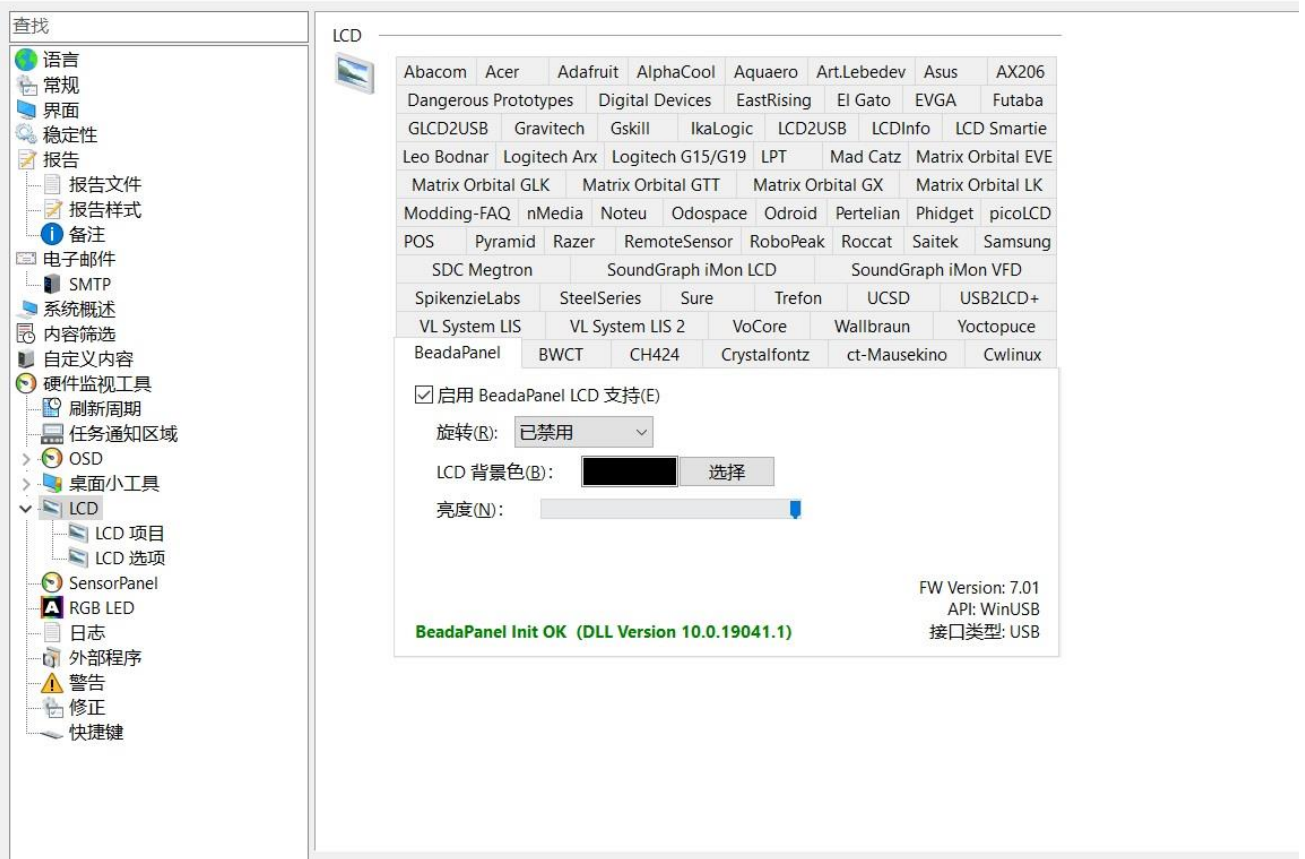


3. Start AIDA64



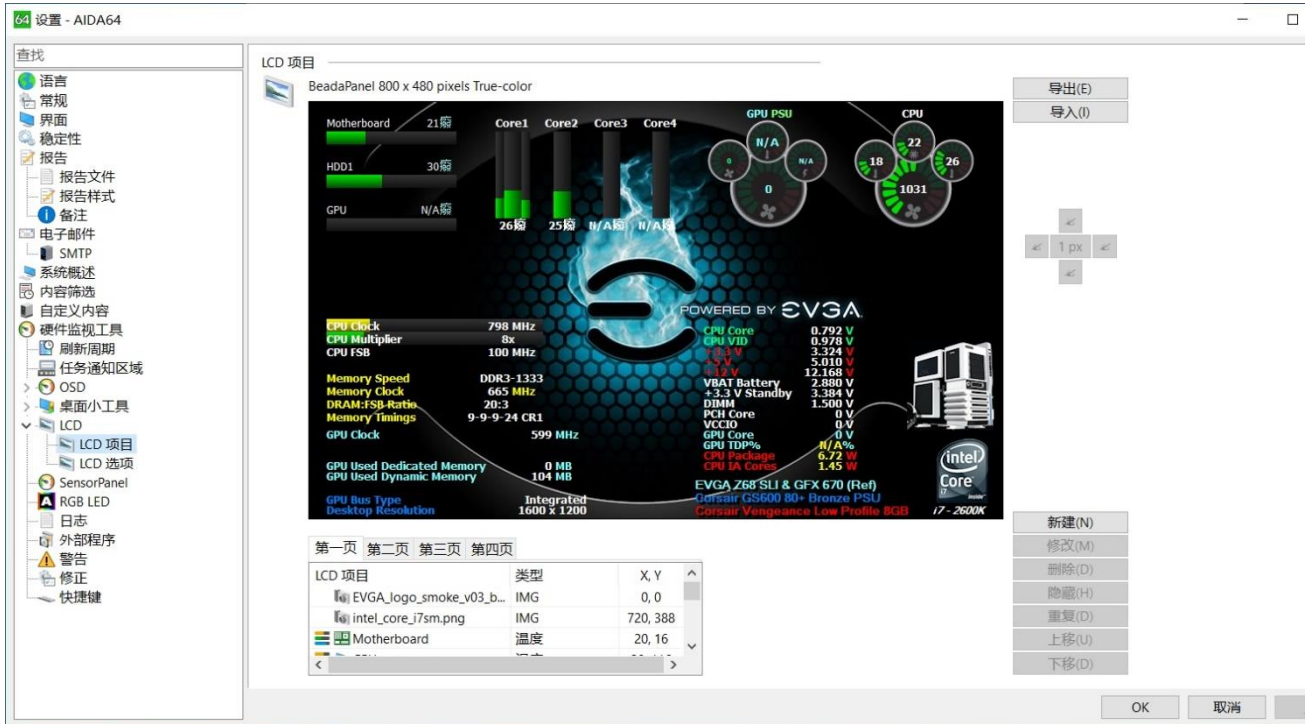
4. Choose File> Preference > LCD

64 设置 - AIDA64



- Click check box of “Enable BeadaPanel LCD Support”
There will be a green text “BeadaPanel Init OK” appeared as soon as connect success.

- Then choose “LCD Items”



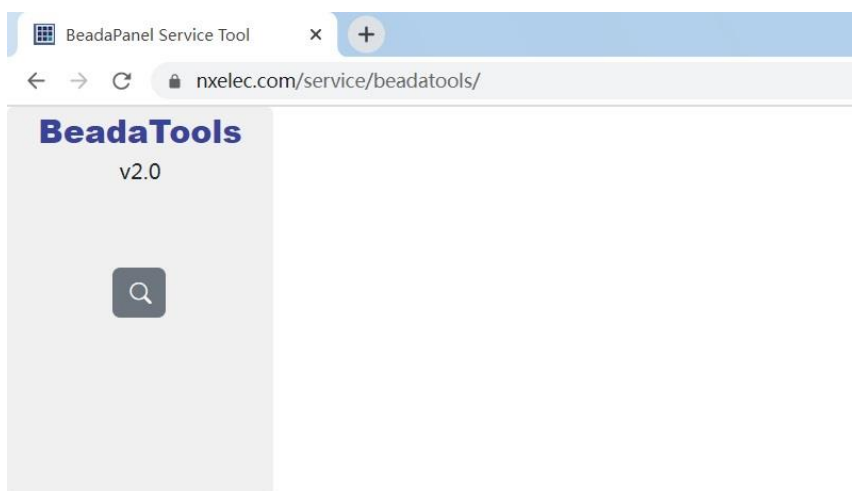
You can edit items whatever will be displayed on LCD screen right now.

5. Firmware Update

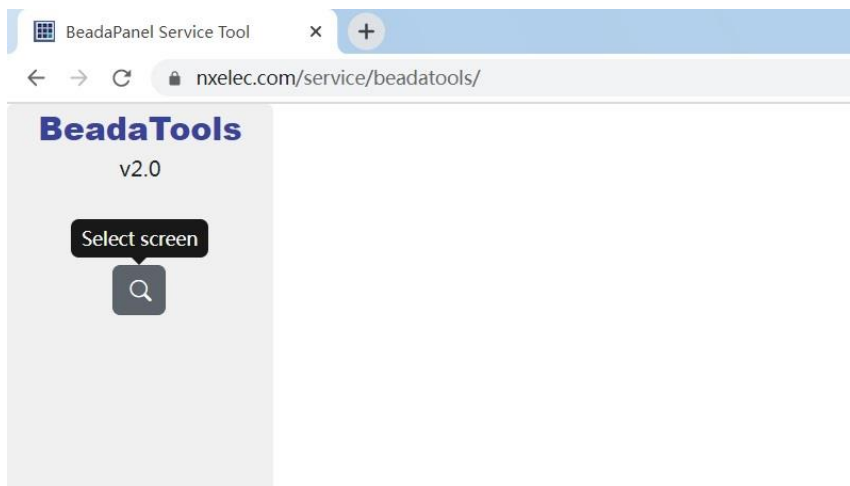
BeadaPanel firmware can be updated via web version BeadaTools.

Procedures for firmware update:

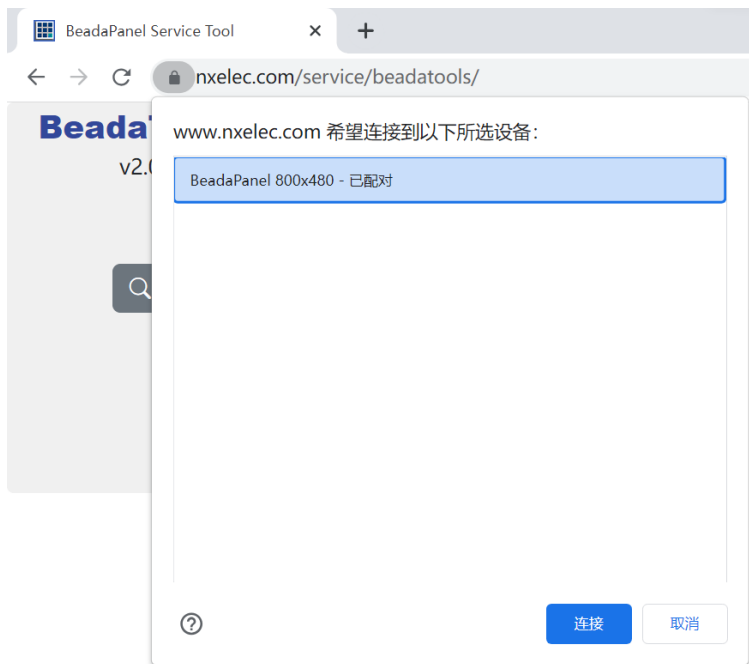
1. Ensure Panel-Link USB Graphics driver uninstalled(Refer to Section 2 if you do not know how to)
2. Connect BeadaPanel to PC with a Micro-USB cable
3. Open web browser and enter www.nxelec.com/service/beadatools



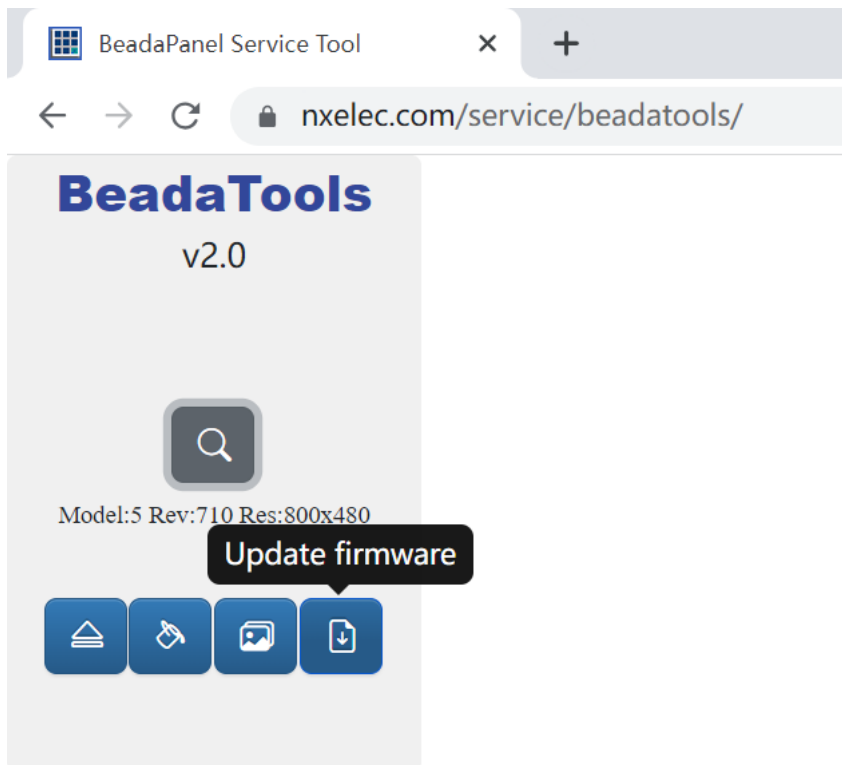
4. Click "Select screen" button



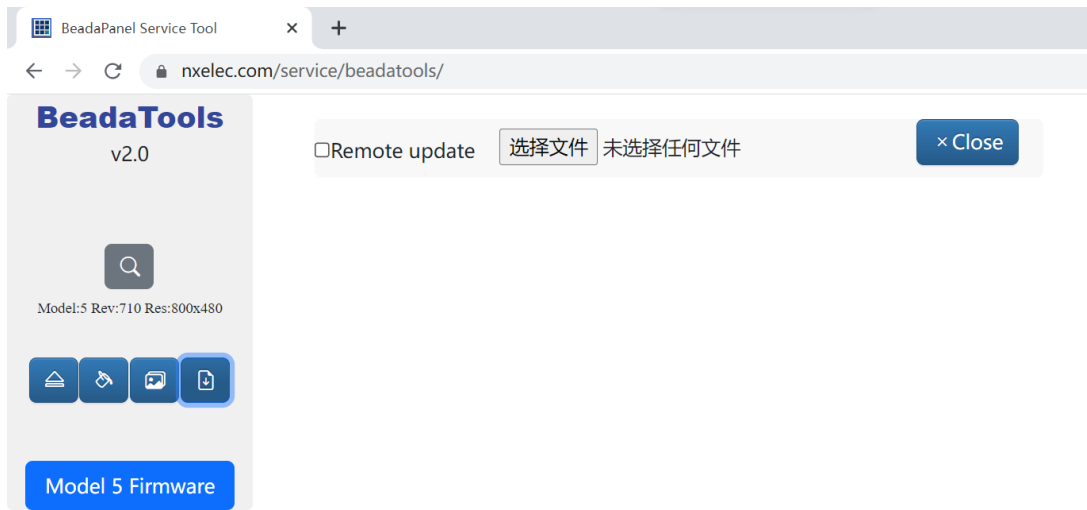
5. Choose BeadaPanel device



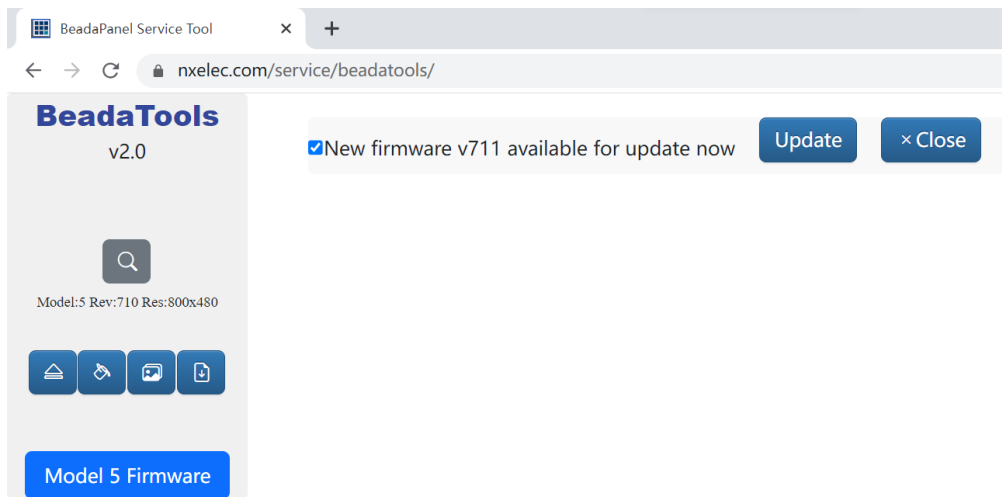
6. Click "Update firmware" button



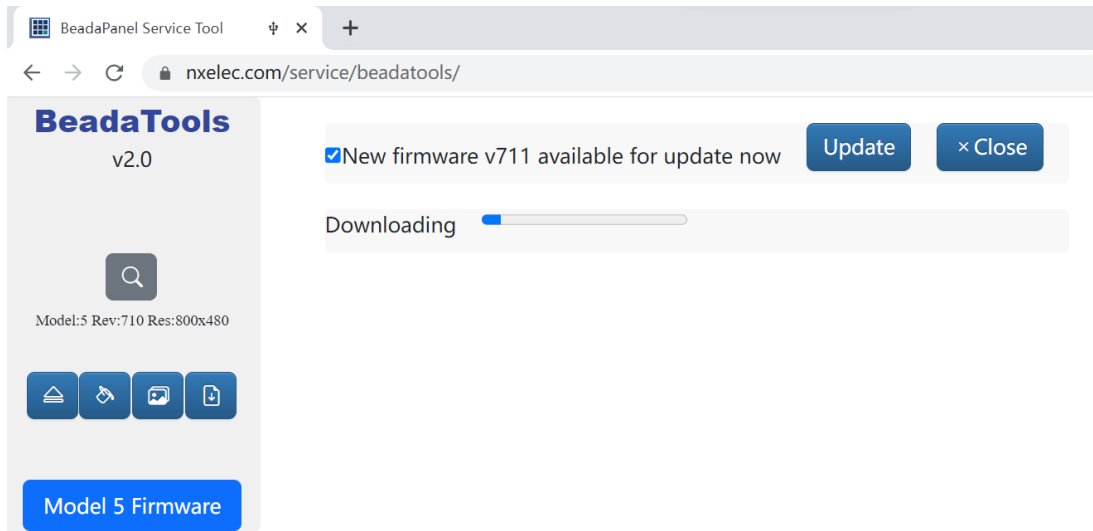
7. Click "Remote update" check box



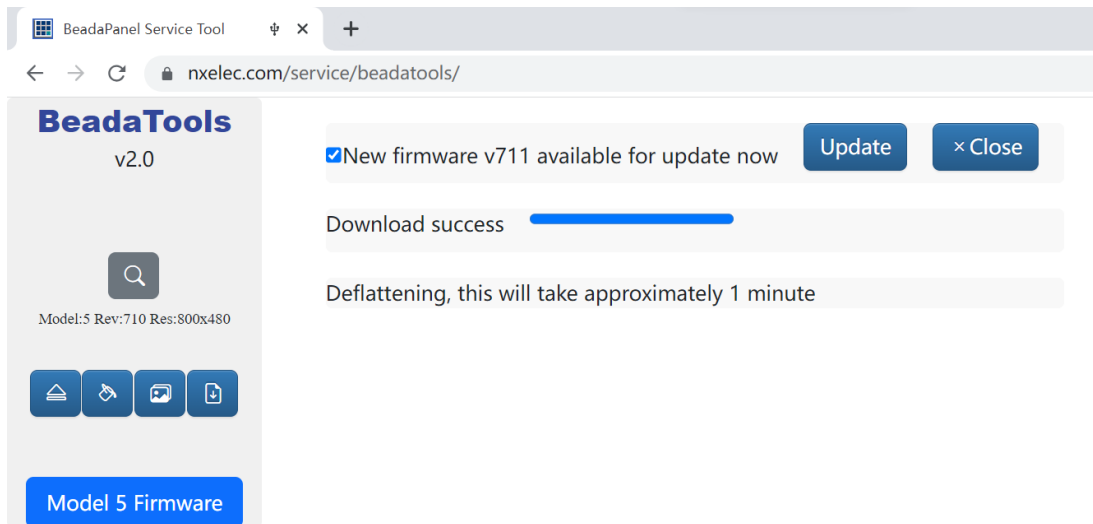
8. Click "Update" button if new firmware update is available



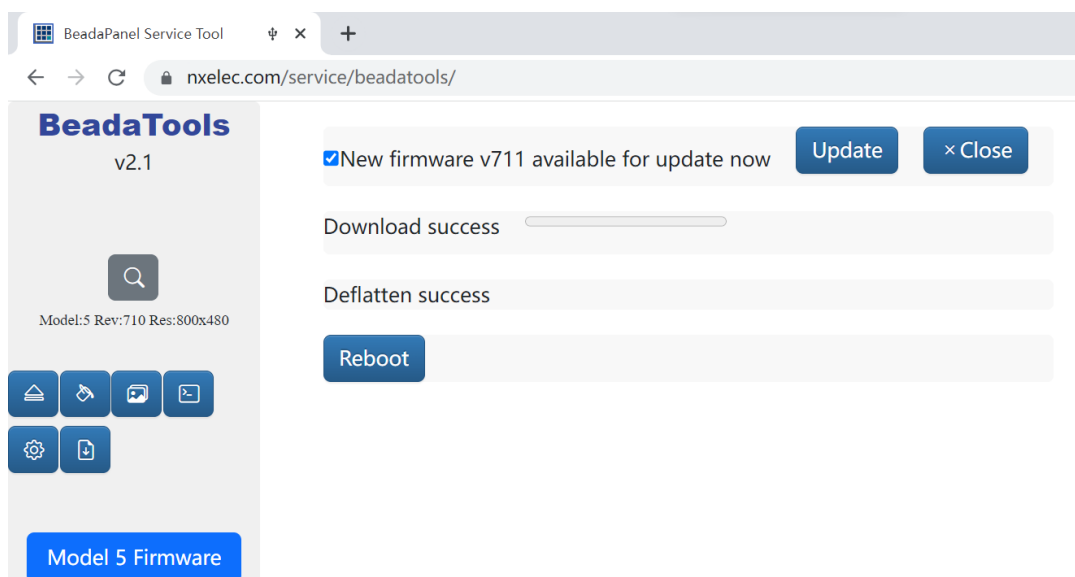
9. Download process start



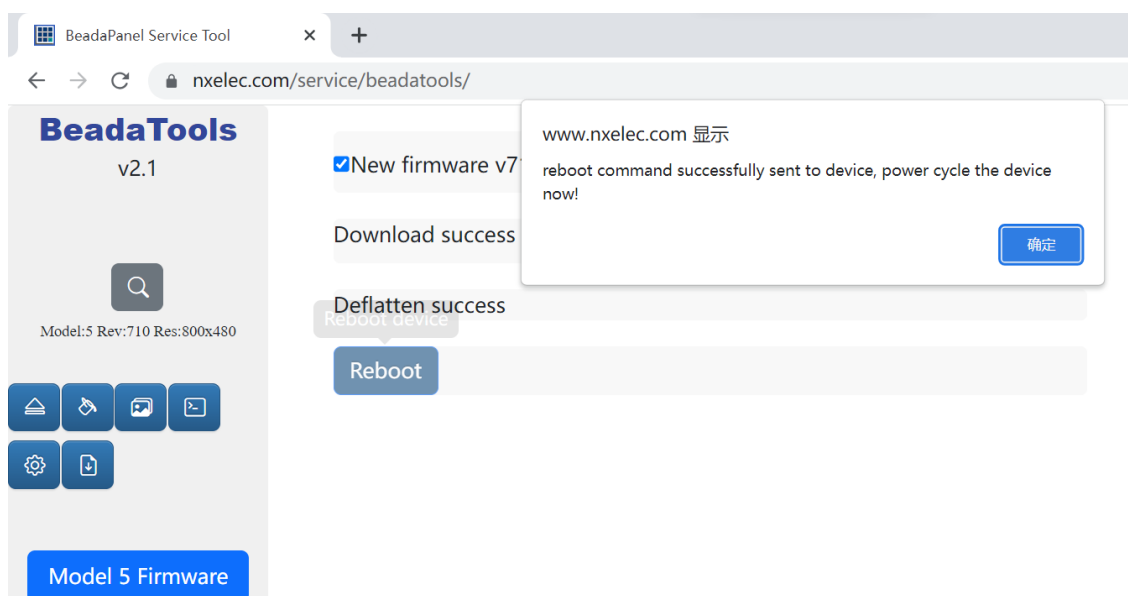
10. Deflatten start automatically after download success



11. Click “Reboot” button after deflatten success



12. Click ‘OK’ if a notify page popup



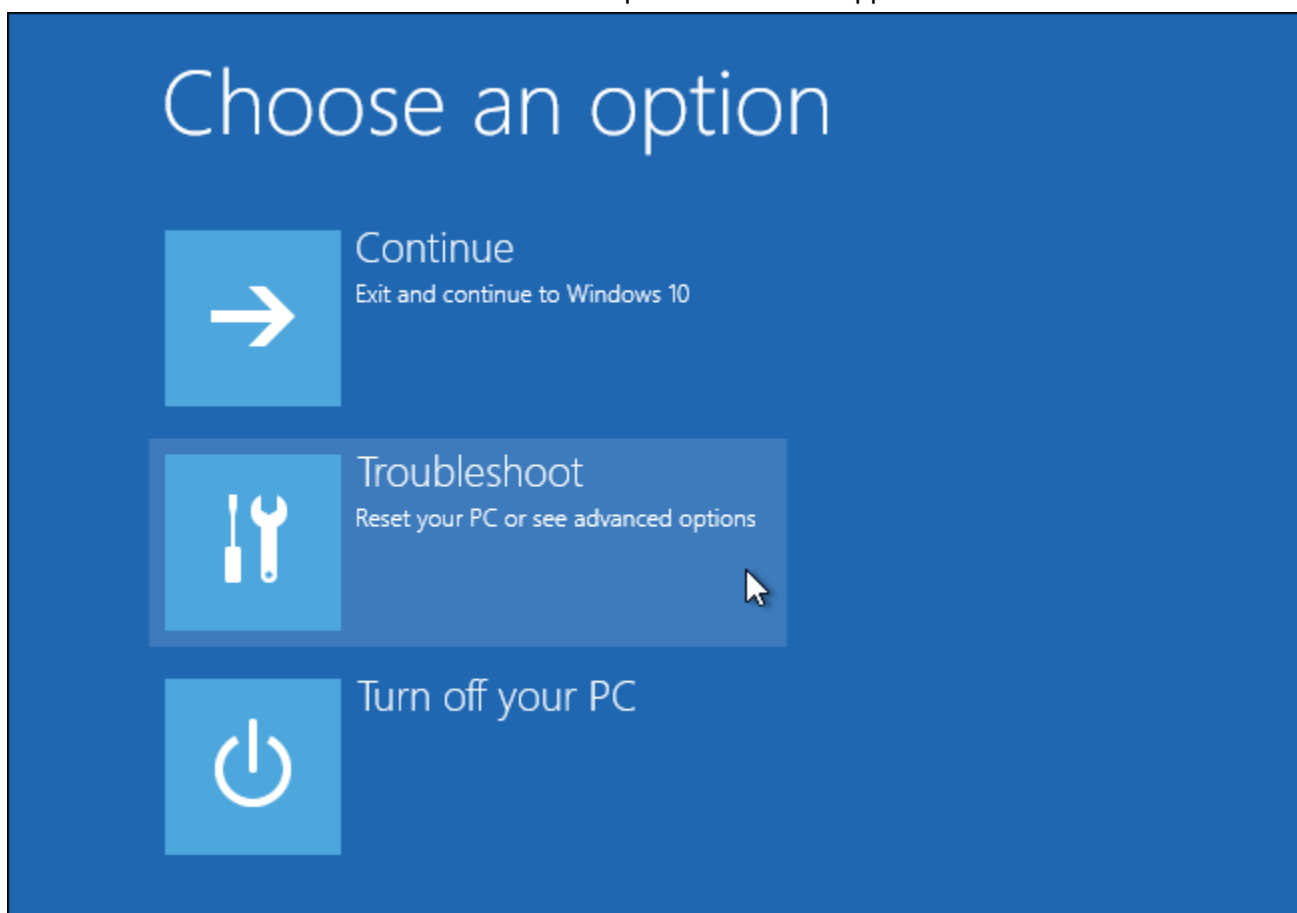
13. Power cycle the BeadaPanel, then device will boot into new firmware version

6.How to Disable Driver Signature Verification on 64-Bit Windows 10

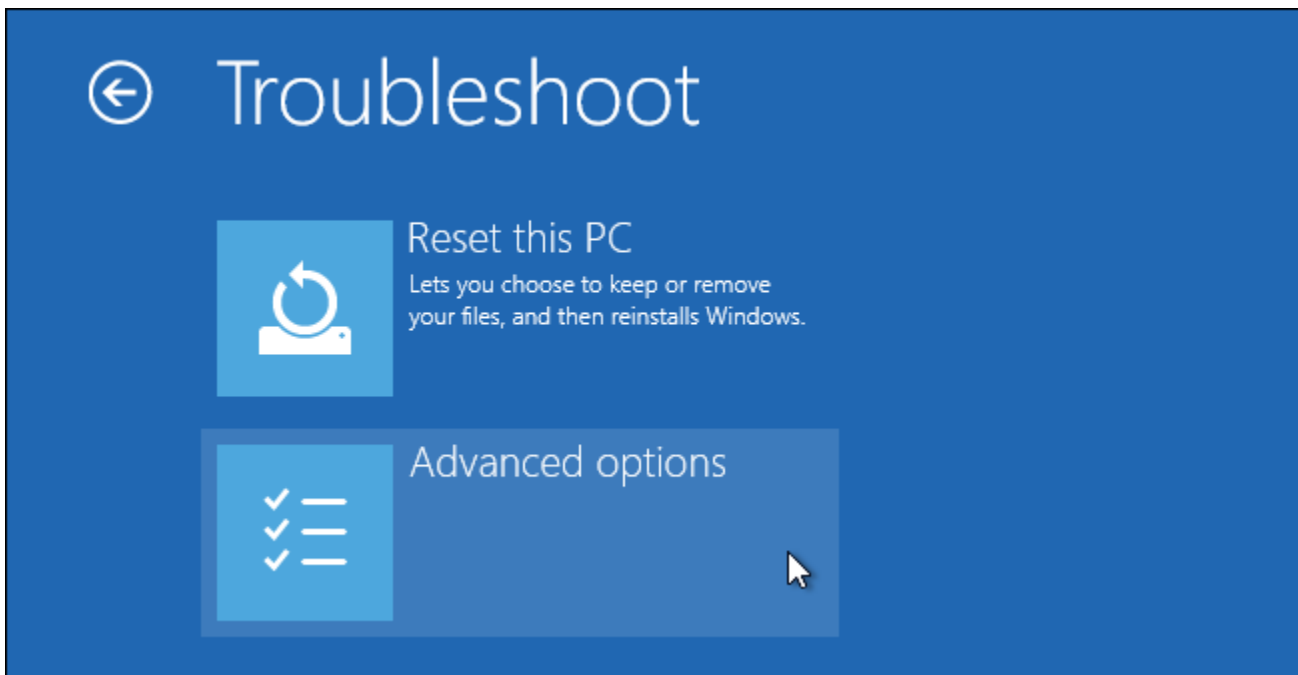
Currently Panel-Link USB driver for windows 10 and windows 11 are not signed yet so user should disable driver signature verification on windows in order to install an unsigned driver.

Procedures:

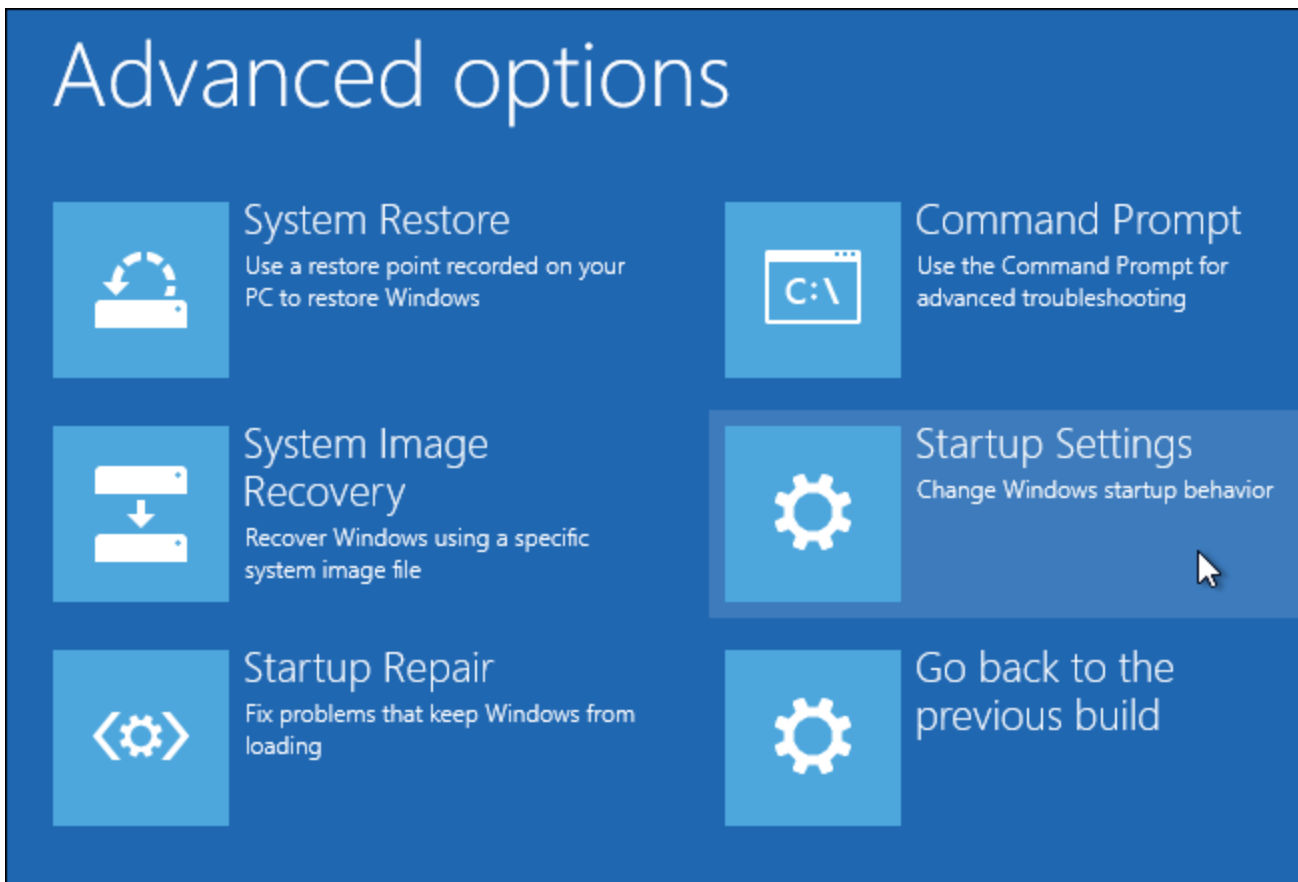
1. Click Start> Settings > Update & Security>Recovery>Restart now
To boot to Windows 10 Advanced Startup Options
2. Select the “Troubleshoot” tile on the Choose an option screen that appears.



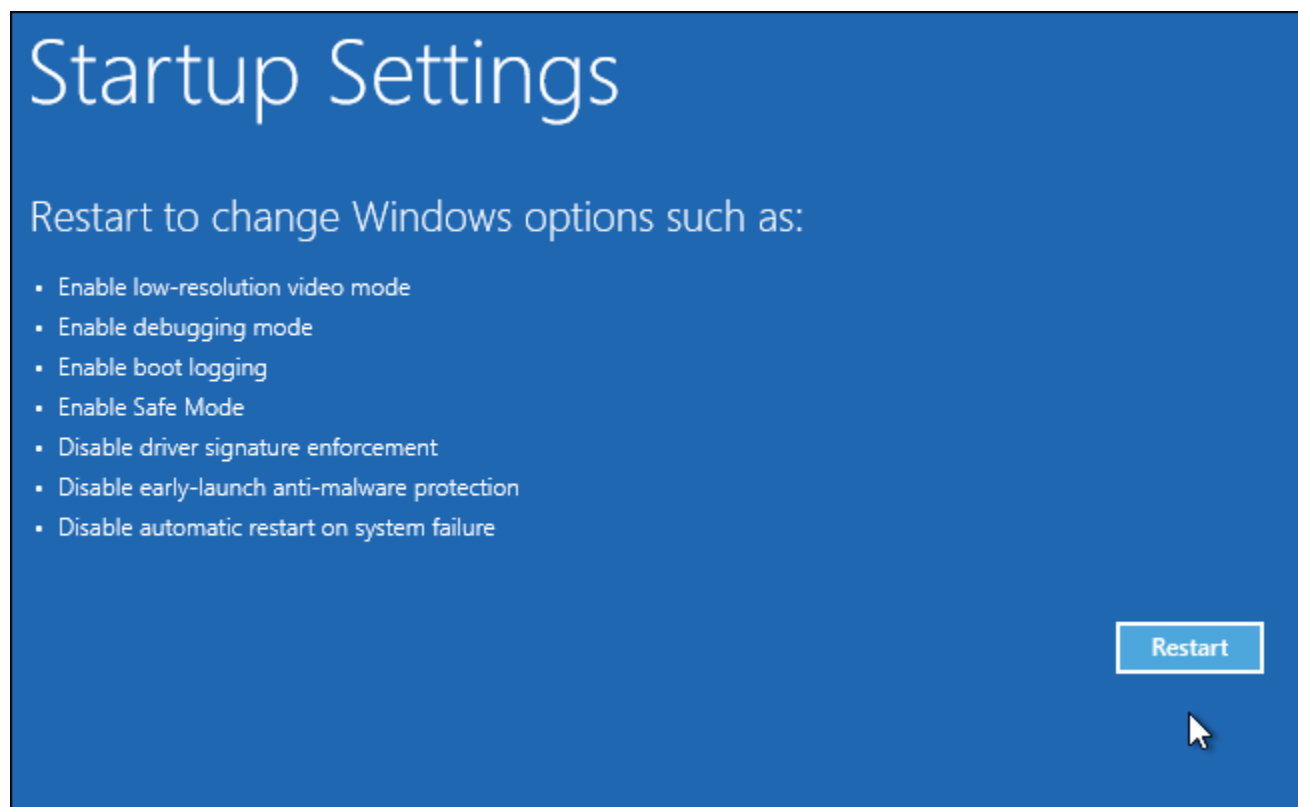
- 3. Select "Advanced options".



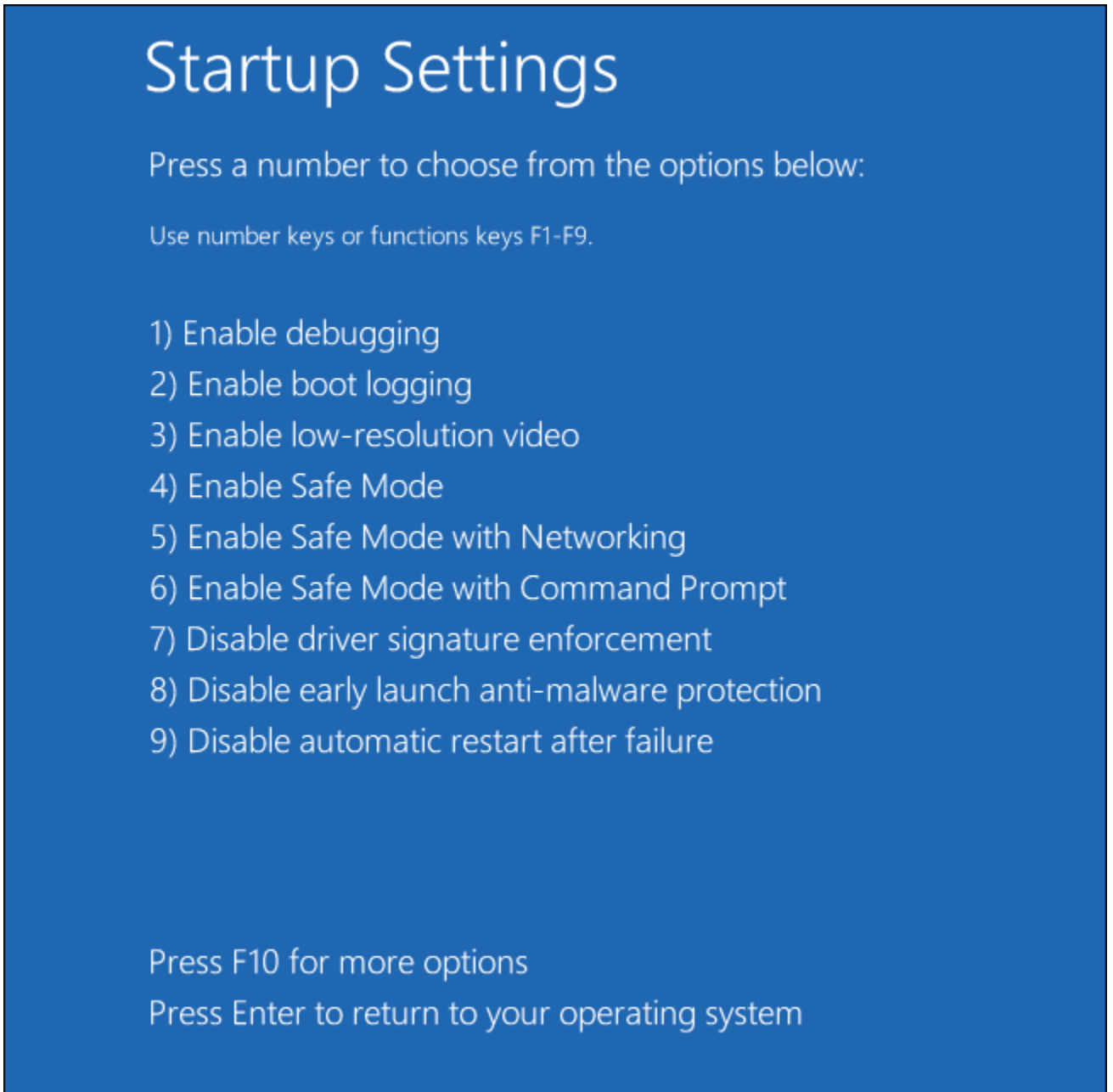
- 4. Click the "Startup Settings" tile.



5. Click the “Restart” button to restart your PC into the Startup Settings screen.



6. Type “7” or “F7” at the Startup Settings screen to activate the “Disable driver signature enforcement” option.



Your PC will boot with driver signature enforcement disabled and you'll be able to install unsigned drivers. However, the next time you restart your computer, driver signature enforcement will be disabled—unless you go through this menu again. You're now free to install drivers that haven't been officially signed by Microsoft.