D4 Upgrade Guide

D4 package firmware can be upgraded by XTOOL. Install XTOOL software first, then connect D4 with PC by USB cable or Ethernet cable and follow upgrade guide to do update.

Firmware package upgrade

File name：D4_Vxx.bin

1. Connection:

1.1. Upgrade by USB cable: Use USB cable to connect D4 USB port with PC .



Figure1: USB cable(A to B)



Figure2: USB port

1.2. Upgrade by Ethernet cable: Connect PC Ethernet port with D4 Ethernet port via net cable.



Figure3: Ethernet cable



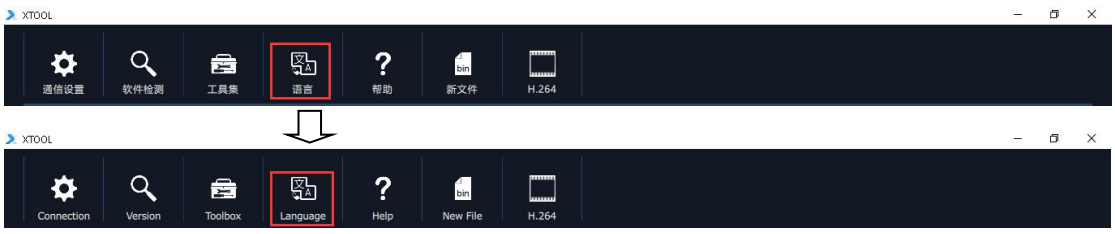
Figure4: Ethernet port

2. Turn on D4, wait till it working properly.
3. Install X-TOOL

   Install the XTOOL base on OS system:



4. Open XTOOL .If the language of the interface is not English, click the “语言” button to switch language.

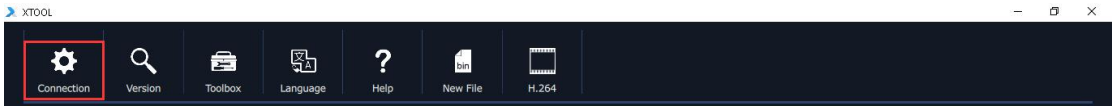


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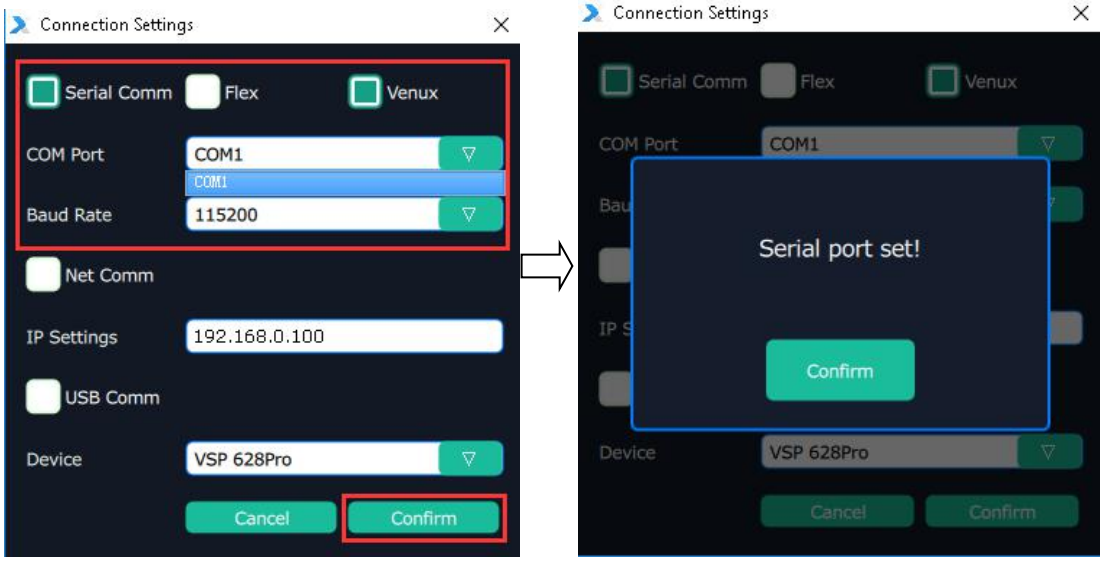
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5. Communication setting

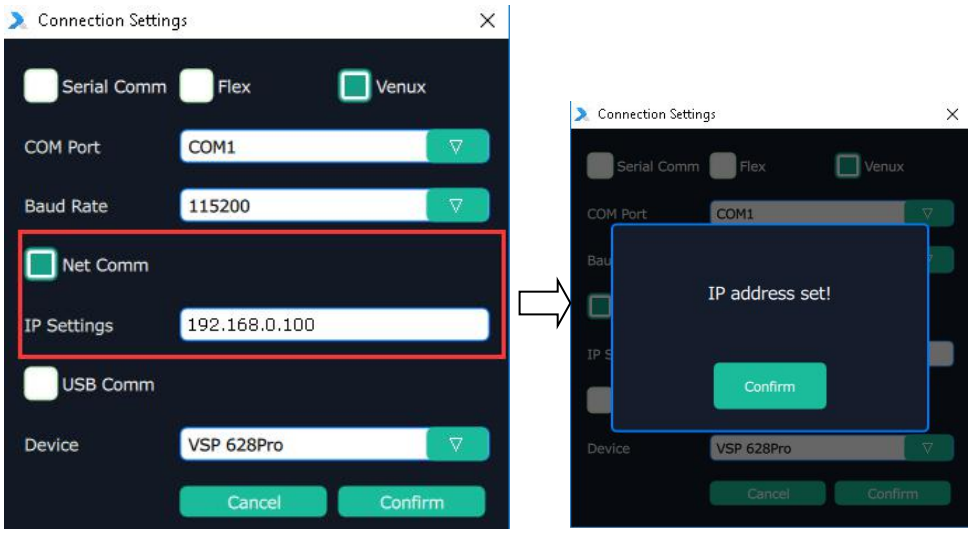


5.1. Serial communication:when updated by USB cable, click “Connection" in the communication settings dialog box, select "serial communication" select the corresponding serial number, Baud rate is set to "115200", click "OK".



Remark: If the serial number is not recognized, re-connect USB cable or check whether there is a USB serial port driver.

5.2. Net communication: when connected with Ethernet cable,click “Connection", select "Network Communication" and set the IP of the device and click "OK". Make sure the IP of D4 and PC are in same segment.



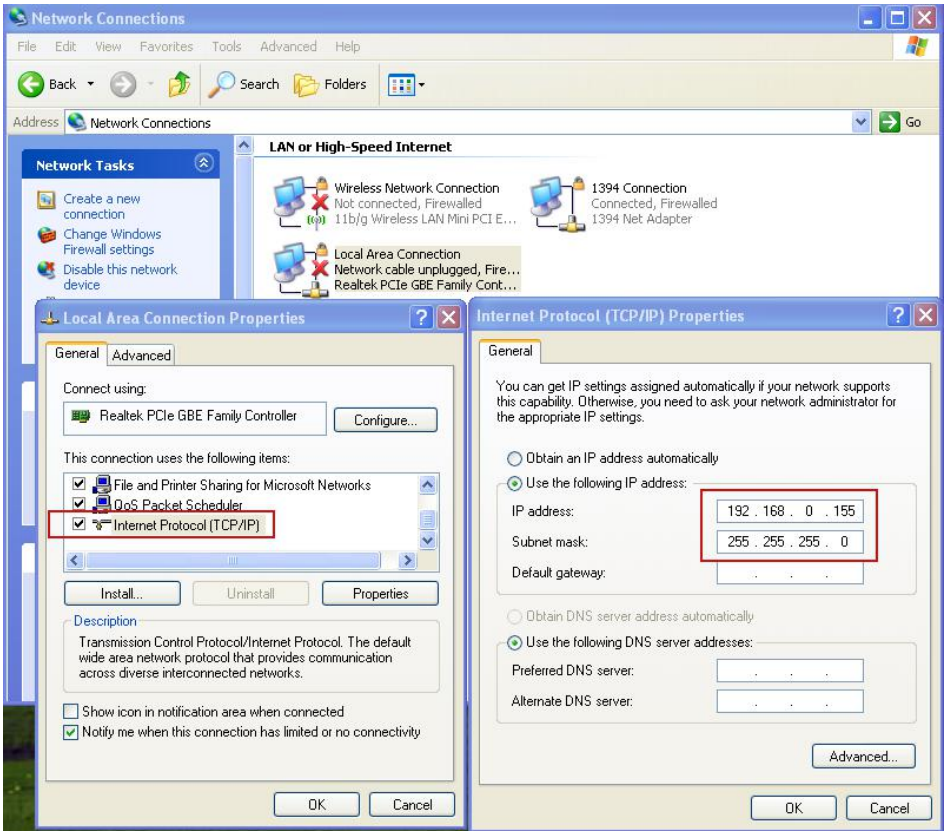
Notes:

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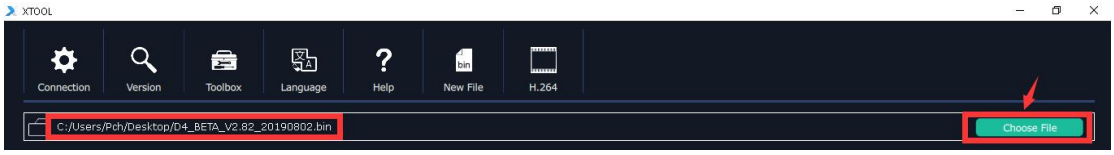
Before upgrade, the PC's IP should be set at the same IP segment (D4 Default IP:192.168.0.100, Mask: 255.255.255.0). As the picture show below, for example the PC IP set as192.168.0.155:



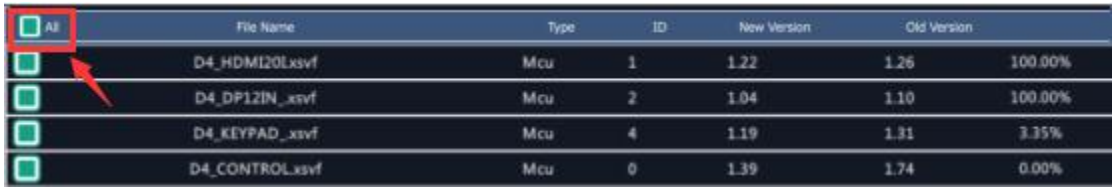
5.3. Check the device information when connection is done. When the dot behind "Connection Status" is green, meaning it's connecting. Contrarily, it's unconnected when it's red. We also need to check the serial number is consistent.



6. Select upgrade file. Click the "Choose File" button, Load the xx.bin file.



7. Choose all: After file loading, it will list the firmware contents. Click "all", it will select the items that has a different version.



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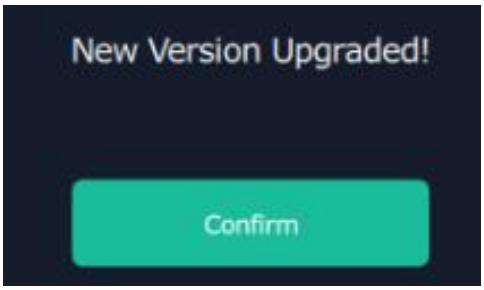
8. Click “Upgrade”. Pop up a confirm box. Click “confirm” to start upgrading. Notice: Don’t turn off the device and keep the wires connecting.



9. Check upgrade statue from the “Log” list and the progress bar.



9.1. It will pop up “Update new version done!” after the upgrade finished. We need to restart device to complete the process.



Notes:

1.When D4 power off unexpected during updating, restart D4 and do communication setting. If fail to update D4,please take out output board SD card then delete the document in SD card. Then re-upgrade D4.

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