

Updating Instruction -PWS2-30K PlatformTools

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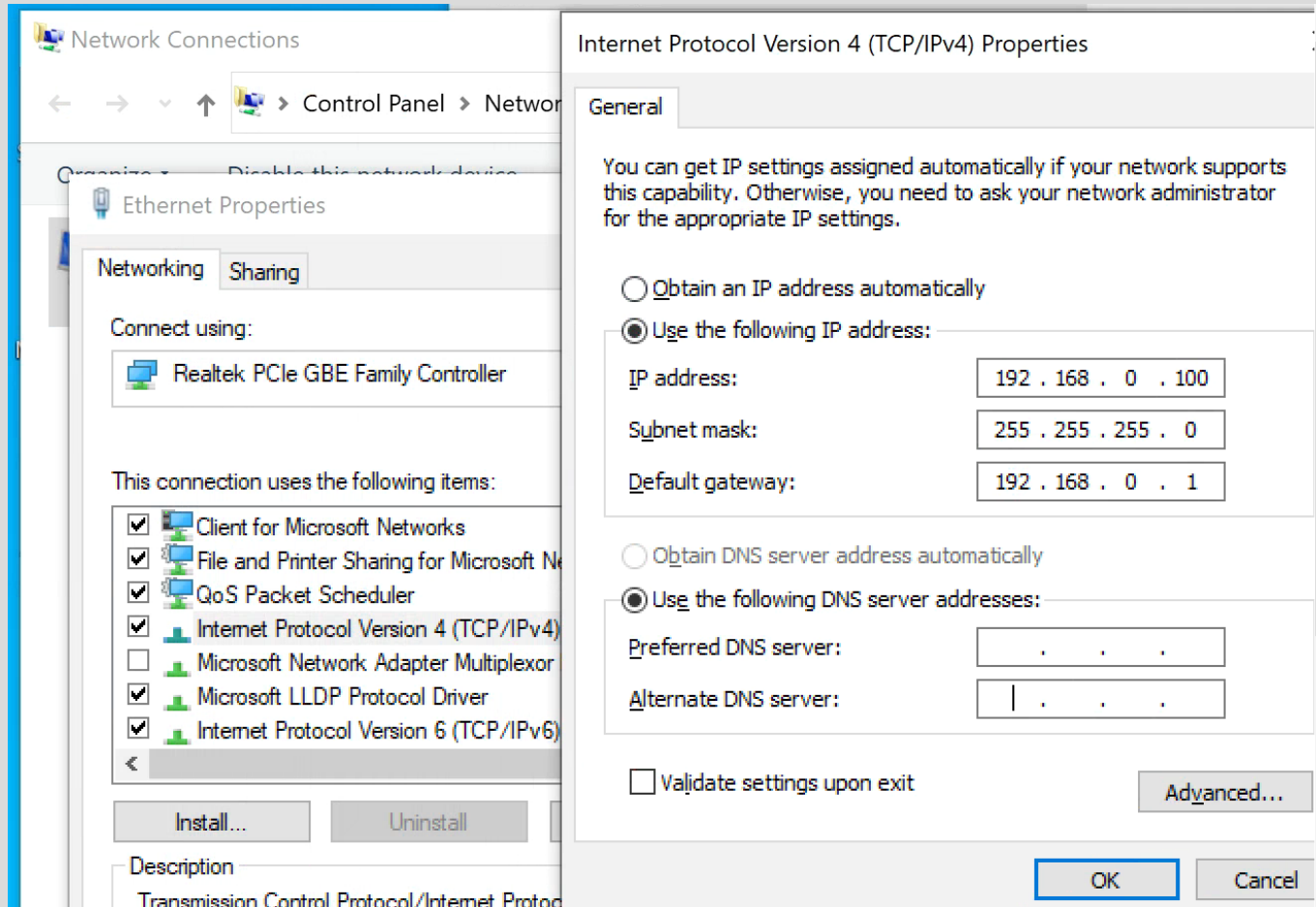
1. Connect with the Ethernet cable

- Use an Ethernet cable to connect to the RJ45 port of the PCS, and the other end to the RJ45 port of computer. (If the computer does not have an RJ45 port, it can be connected through a transfer device)



2. Modify IP address of computer

- Select the start menu on the desktop → Open the control panel → Select Network and Internet Settings → Select Network and Sharing Center → Select Change adapter settings → Click on Ethernet, then right-click and select Properties → Double click on "Internet Protocol Version 4 (TCP/IPv4)" → Select Use the following IP address option, then modify the computer's IP address/subnet mask/default gateway.
- The default IP address of PCS is 192.168.1.11, so it is necessary to set the IP address of the computer to 192.168.1.x. The principle is to keep the PCS and the computer in the same network segment.





IMPORTANT NOTICE

99% of the failures to update are caused by these issues.

- Not setting the PCS and the PC to the same subnet
- Not turning off the firewall
- Not connecting the PC to the PCS directly but via ethernet switch
- Not disabling unnecessary adapters, including the WIFI

3. File names of the firmware

File name	Indicates		Symbol
APP.bin	HMI firmware	ST chip	S
		GD chip	
U1.hex	DSP firmware		D
DWIN_SET.zip	HMI display		C

Updating the bottom firmware of the HMI doesn't request a hard reboot.
It's recommended to update the HMI bottom firmware before updating the DSP firmware.

4. Firmware update

- Run PWS2_30K_PlatformTools.exe. If Windows firewall appears, please **DO NOT** block the app. Otherwise there will be unpredictable connection problem.
- Enter the IP address of PCS in PCS IP (default is 192.168.1.11), then click connect.
- Switch to the *PCS Update* page to update the PCS firmware as follows.
- Enter the address of the PCS in 01-Device IP. If there are multiple PCSs to be updated at the same time, enter the IP addresses of other PCSs in the remaining boxes. Only 10 PCSs can be updated at a time.
- Click 02-Check All
- Click ServerCheck to confirm the sever address is the same as computer IP address, and there should be only one server.
- Click 03-Create Server.
- Enter the **password IAP888888** in the 04-Passwd.
- Click 05-Send password.
- After the process on the right blank shows that the IP join, click 06-Choose firmware to select the file that needs to be updated
- After confirming the file is correct and uploaded successfully, click 07-Update Now to start the update

The screenshot displays the PWS2-30K-PlatformTools V106 application window. The interface is divided into several sections:

- Top Section:** Contains the PCS IP field (172 . 16 . 5 . 200) and a Disconnect button (labeled 0).
- Navigation Bar:** Includes tabs for PCS_Information, Status Alarm, PCS_Control_Regulation, PCS_Set, Record_Download, PCS_Update (selected), Monitor_Set, and Debug.
- 01-Device IP:** A list of 10 device IP addresses, with the first one (172 . 16 . 5 . 200) highlighted (labeled 1).
- 02-Check All:** A checkbox labeled 02-Check All (labeled 2) and a list of checkboxes for Device1 through Device10.
- ServerCheck:** A button labeled 3 for confirming the sever address.
- Server:** A field for the server IP (172 . 16 . 5 . 100) and a button labeled 03-Create Server (labeled 4).
- 4-Passwd:** A password field (labeled 5) and a button labeled 05-Send password.
- 06-Choose firmware:** A button labeled 6 for selecting the firmware file.
- 07-Update Now:** A button labeled 7 for starting the update.
- Log Window:** A text area on the right showing the update process, including messages like "Waiting timeout!", "Device: 0 file select right:V601", "Binary file sent successful!", "Please wait HMI to enter home page, which indicates updating accomplished!", "正在传输数据...Transmitting data ...", "开始解压文件...Unzipping...", "更新完成!Complete updating!", "art running APP!", "APP succeed!", and "Client Socket Closed."

Please always pay attention to the process on the right blank, and restart the PCS after “APP succeed” shows. After confirming that the PCS firmware version is correct, the update is completed. If the update fails, please contact Sinexcel team asap. esms-aftersales@sinexcel.us

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