How to update OS image by Eshell (with DHCP server enabled)

Applies to:

Platform	*OS version*	*WinPAC/ViewPAC utility version*
WP-8x3x/ XP-8x4x	*All versions*	*All versions*
WP-5000	*All versions*	*All versions*
VP-23W1/ VP-25W1	*All versions*	*All versions*
VP-4131	*All versions*	*All versions*

If you do not have DHCP server enabled on the network, please go to page10.

Before update OS

1. Preparation of below devices.

Monitor/VGA line

USB Hub

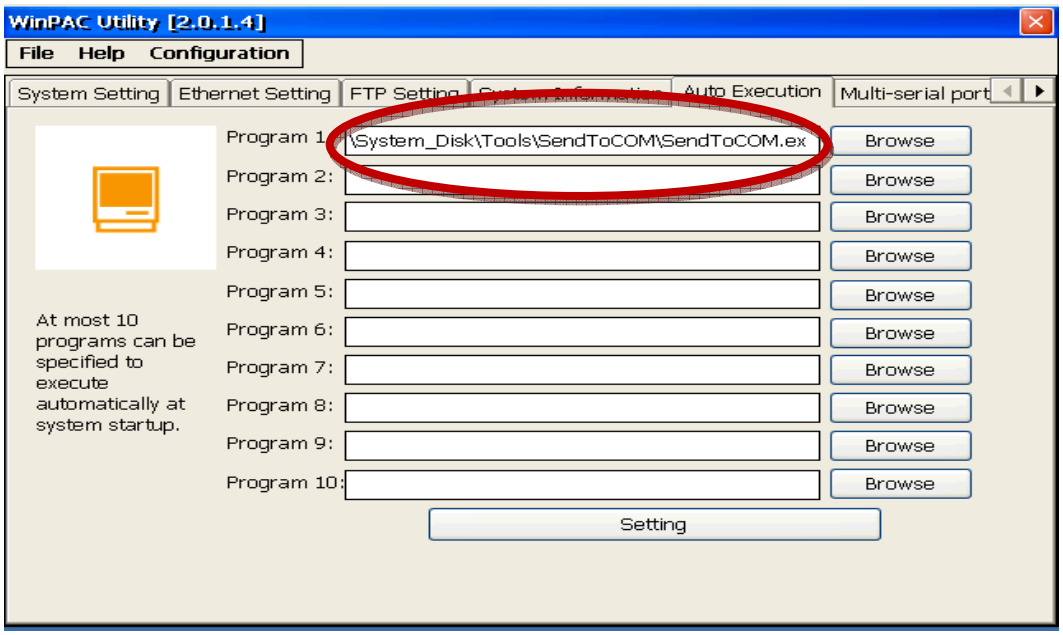
USB Mouse

USB Keyboard

Micro_SD

2. Remember all settings on WinPAC Utility.

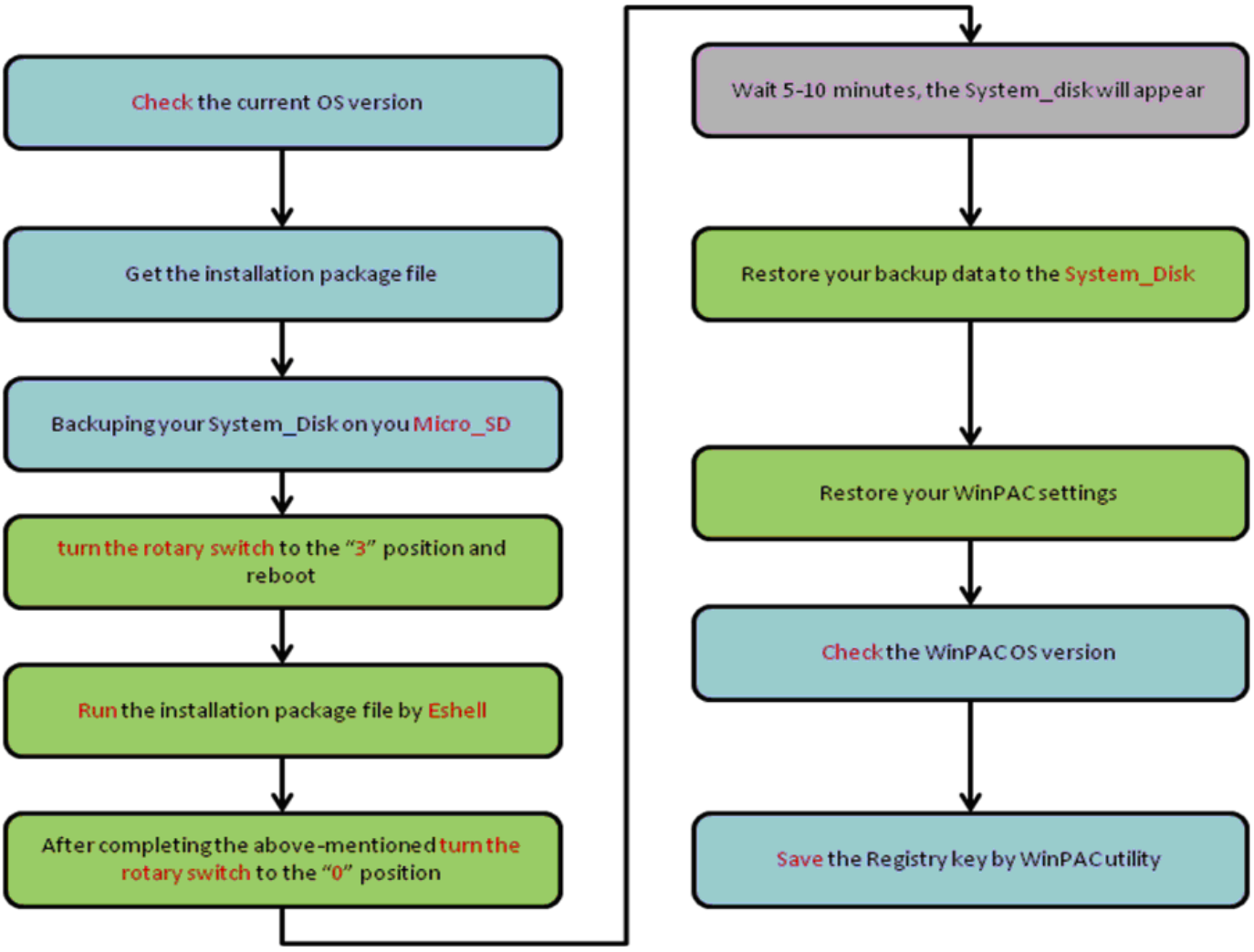
Start the WinPAC Utility on the desktop, and remember all settings (**Example below**).



3. Backup your System_Disk in **\Micro_SD.**

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The procedure graph of OS Updates.

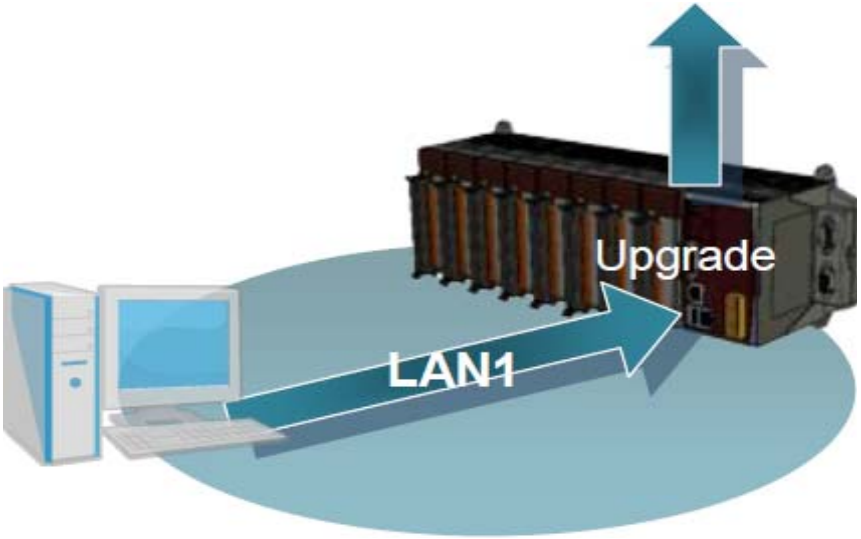


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To update OS image by Eshell, please perform the following steps:

Tips & Warnings

By default, the OS updates via LAN1. Therefore, to update the OS image, make sure LAN1 is connected to the LAN Network.



Step 1: Get the eshell.exe from cd:\napdos\wp-8x4x_ce50\pc_tools\eshell\ and WP8x4x_20130314_Ver.1.7.1.0_en.bin installation package file (or any version) from **http://ftp.icpdas.com/pub/cd/winpac/napdos/wp-8x4x_ce50/os_image/update_from_eshell/**. **(*Note1)**

Note1: The other OS install files are located at:

WP-8x3x: **http://ftp.icpdas.com/pub/cd/winpac/napdos/wp-8x3x_ce50/os_image/update_from_eshell /**

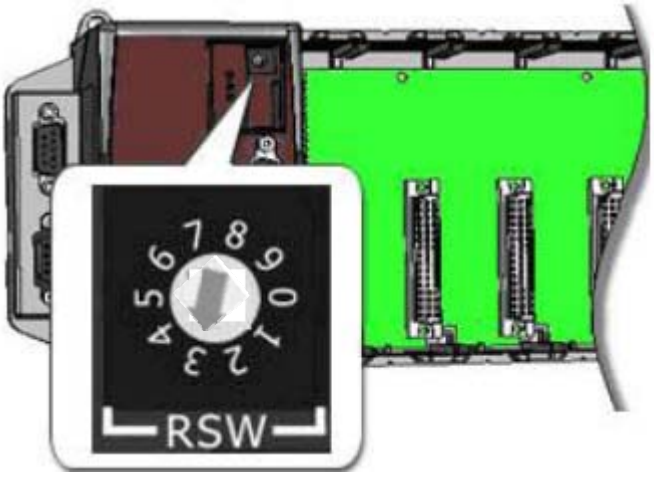
WP-5000: **http://ftp.icpdas.com/pub/cd/winpac/napdos/wp-5000_ce50/os_image/update_from_eshell /**

VP25W1 : **http://ftp.icpdas.com/pub/cd/winpac/napdos/vp-2000_ce50/os_image/vp-25w1/update_from_eshell/**

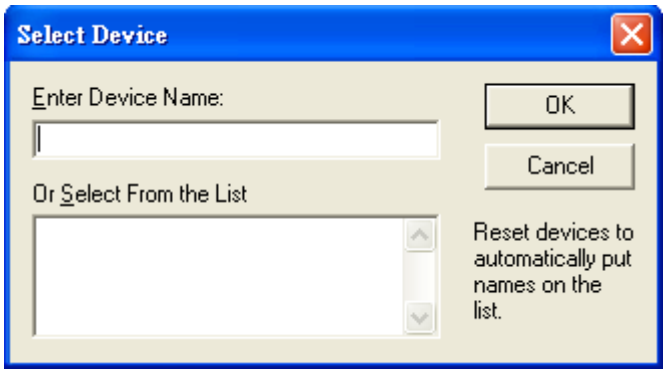
VP23W1 : **http://ftp.icpdas.com/pub/cd/winpac/napdos/vp-2000_ce50/os_image/vp-23w1/update_from_eshell/**

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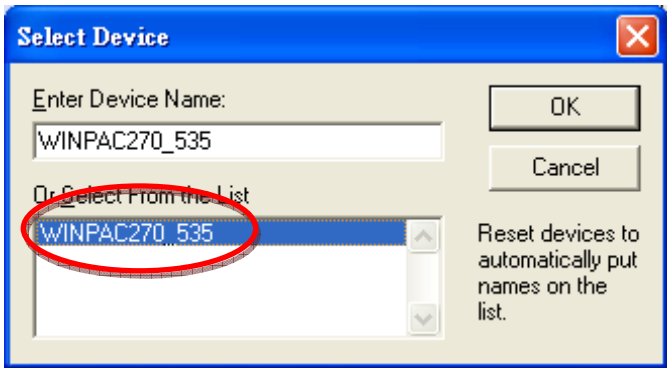
Step 2: Turn the rotary switch to the "**3**" position and reboot**.**



Step 3: Execute "Eshell" on PC**.**

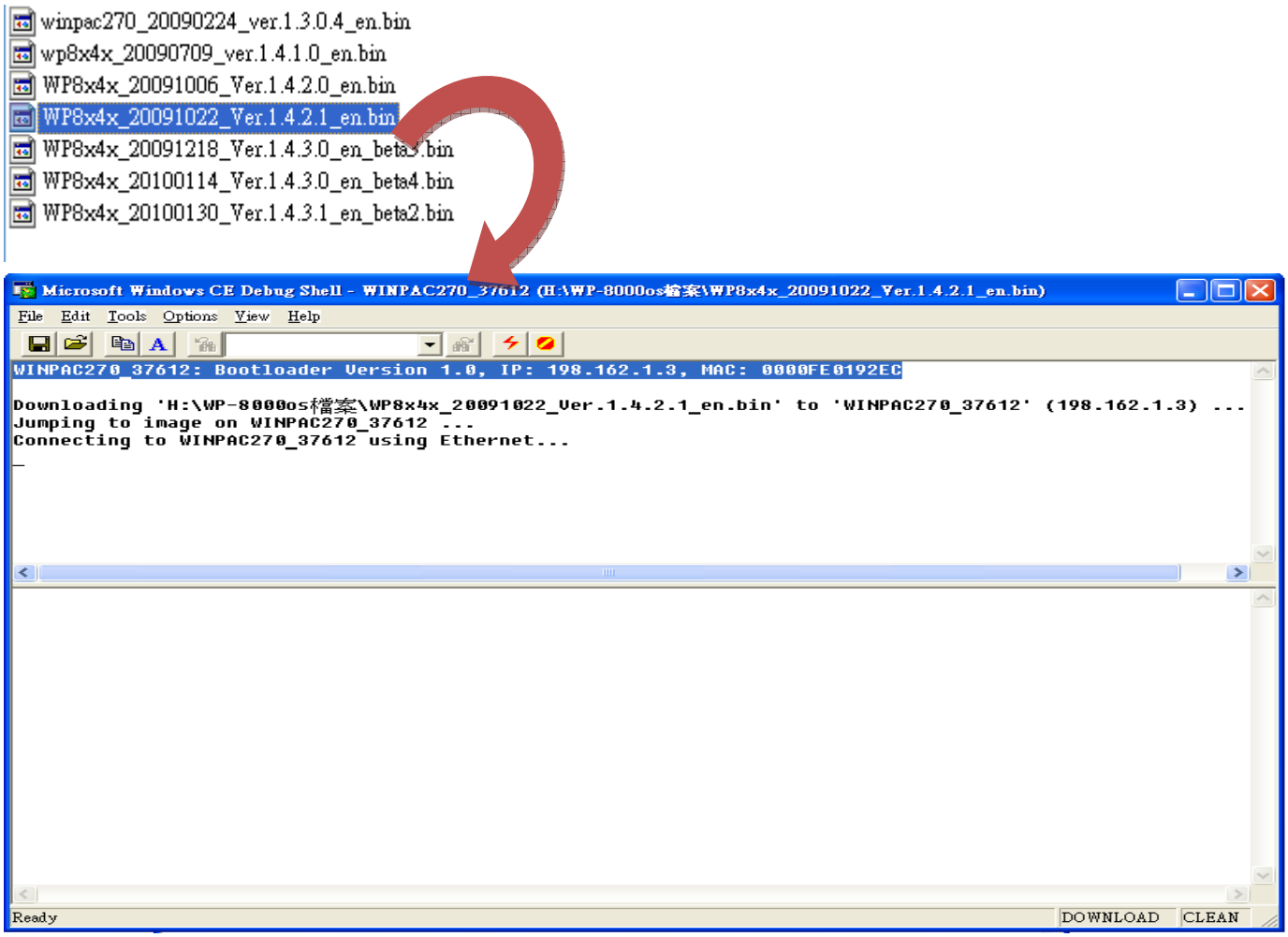


Step 4: Select the device which you want to update the OS image.



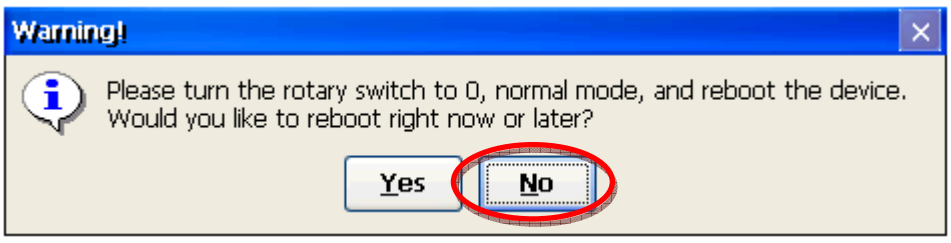
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Step 5: Select the latest version of the OS image file.



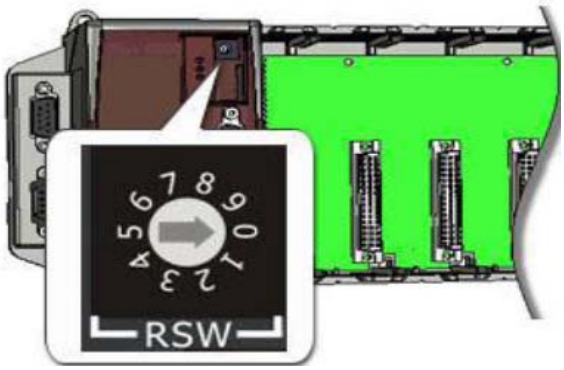
Step 6: Wait till the “Warning!” dialog box shows on WinPAC screen as below, click “**No**” to finish the process.

(If you update the older one OS to the latest, after reboot, please wait 5-10 minutes, the OS will format the System_Disk and the monitor display will become white or black at this moment.)



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Step 7: Turn the rotary switch to the "0" (if you update OS version 1.4.3.1. Please go to page 8).



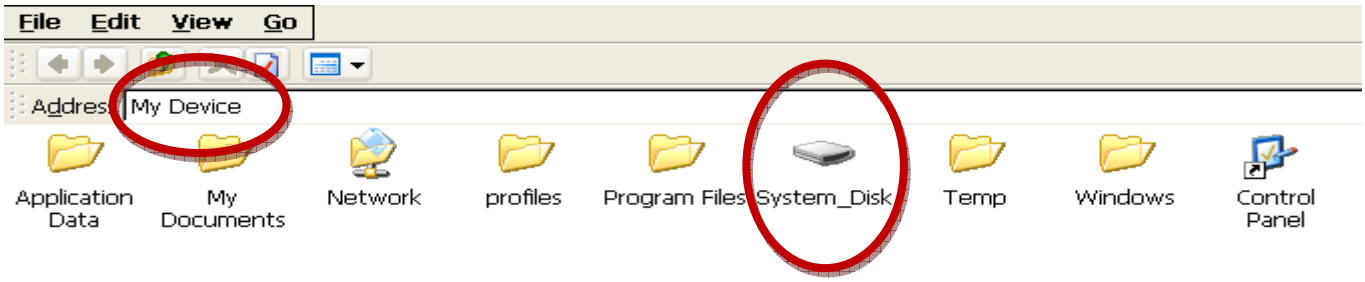
Important Warnings

If you **reboot** at step 8~11, the WinPAC/ViewPC OS will read the registry of old OS. Please

1. Turn the rotary switch to the "**1**" and reboot the PAC.
2. Run the WinPAC/ViewPC Utility, and then click "File" -> "Save".
3. Turn the rotary switch to the "**0**" and reboot the PAC.

After reboot, the WinPAC/ViewPC OS will read the registry of new OS.

Step 8: Make sure the System_disk folder is in "My Device".

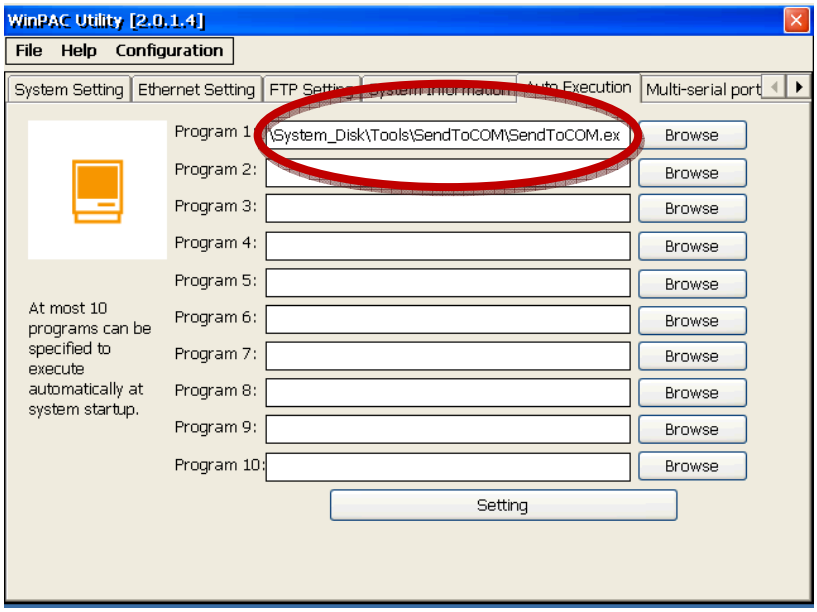


Step 9: Restore your backup data from Micro_SD to the System_Disk.

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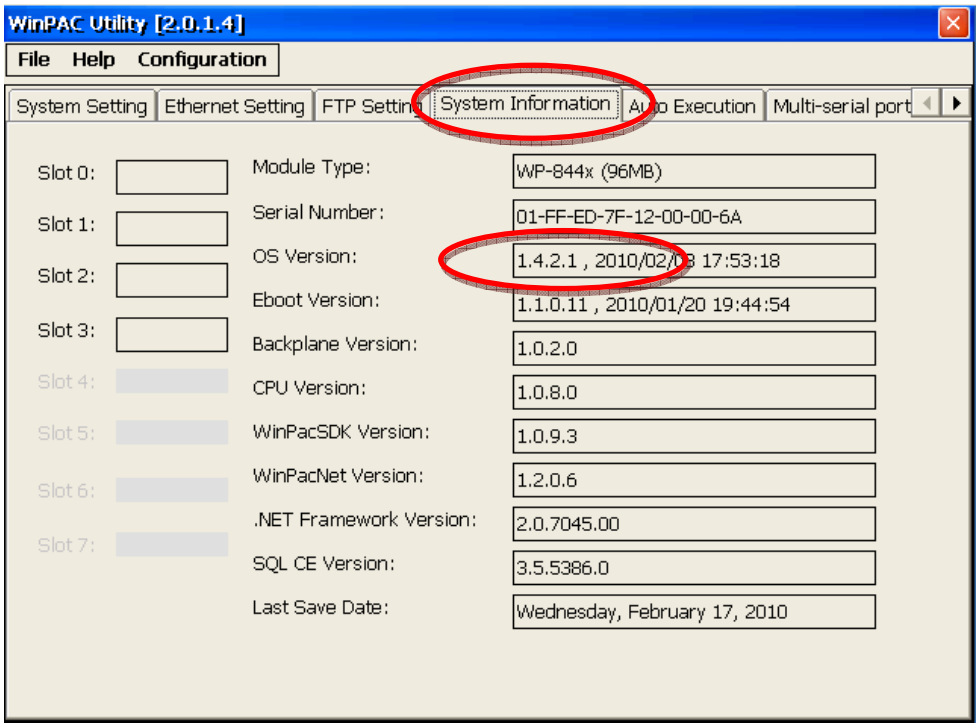
Step 10: Restore your WinPAC settings.

Start the WinPAC Utility on the desktop, and restore all settings (Example below).



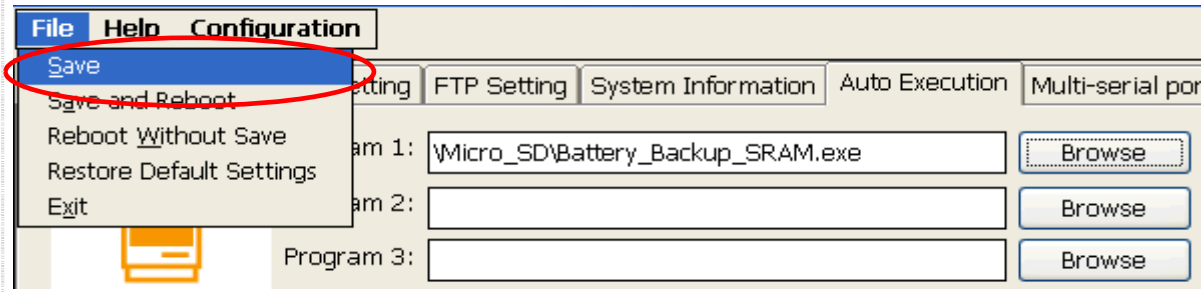
Step 11: Check the WinPAC OS version

Start the WinPAC Utility, and then check the version of the OS on the “System Information” tab.

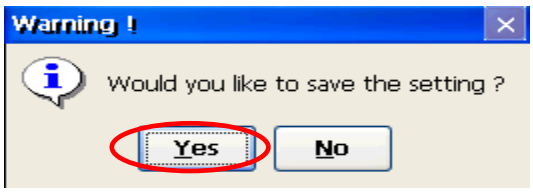


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Step 12: Save your WinPAC/ViewPC settings and registry key.
12.1. Start the WinPAC/ViewPC Utility and click “File” -> “Save” to save the settings.



12.2. Click the “Yes” button.



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How to update OS image by Eshell (without DHCP server)

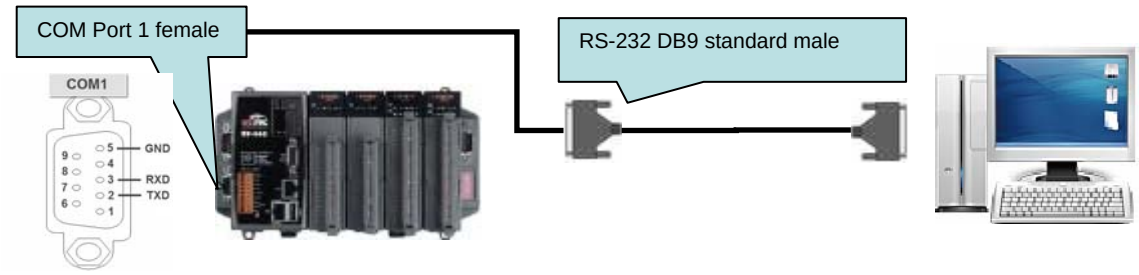
Important Warnings

⚠ The "ViewPAC" series do not have the debug port (COM1) to control the boot load. So, when you want to use the Eshell to update the OS for the ViewPAC, you need the DHCP server in the LAN network.

You still can update OS image by Eshell when your LAN network without DHCP service.

Before updates OS, Please do below acts.
Connect PC and WinPAC by RS-232 serial.

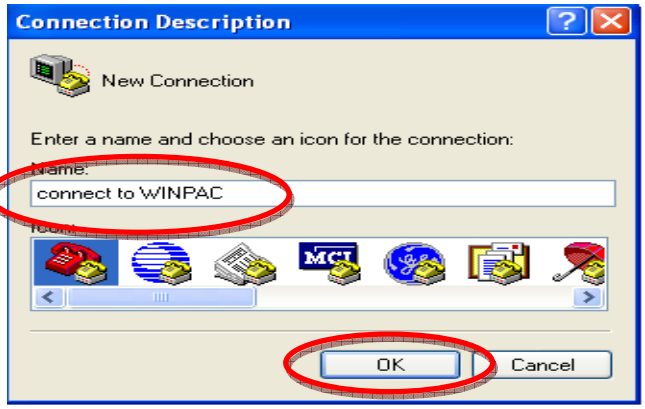
1. Connect with COM1



2. Click start->Programs->Accessories->Communications->HyperTerminal.

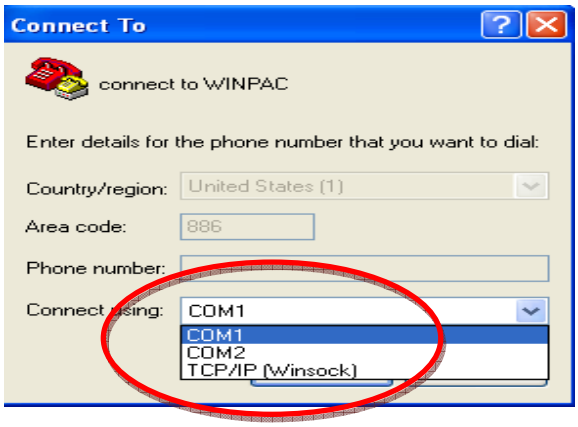


2.1. Key in the name of connection and click “OK”.

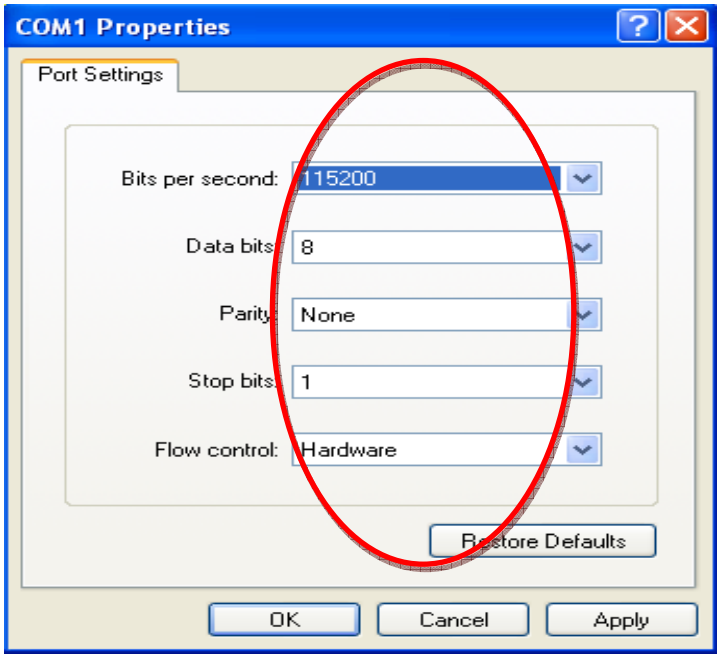


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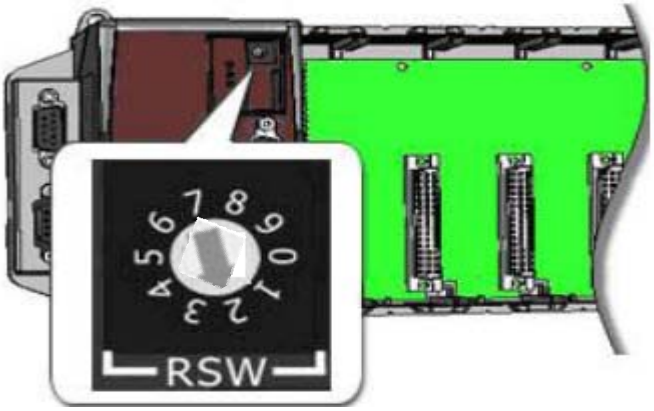
2.2. Select the COM Port connects with WinPAC.



2.3. Set connection Configure according to below and click “OK”.

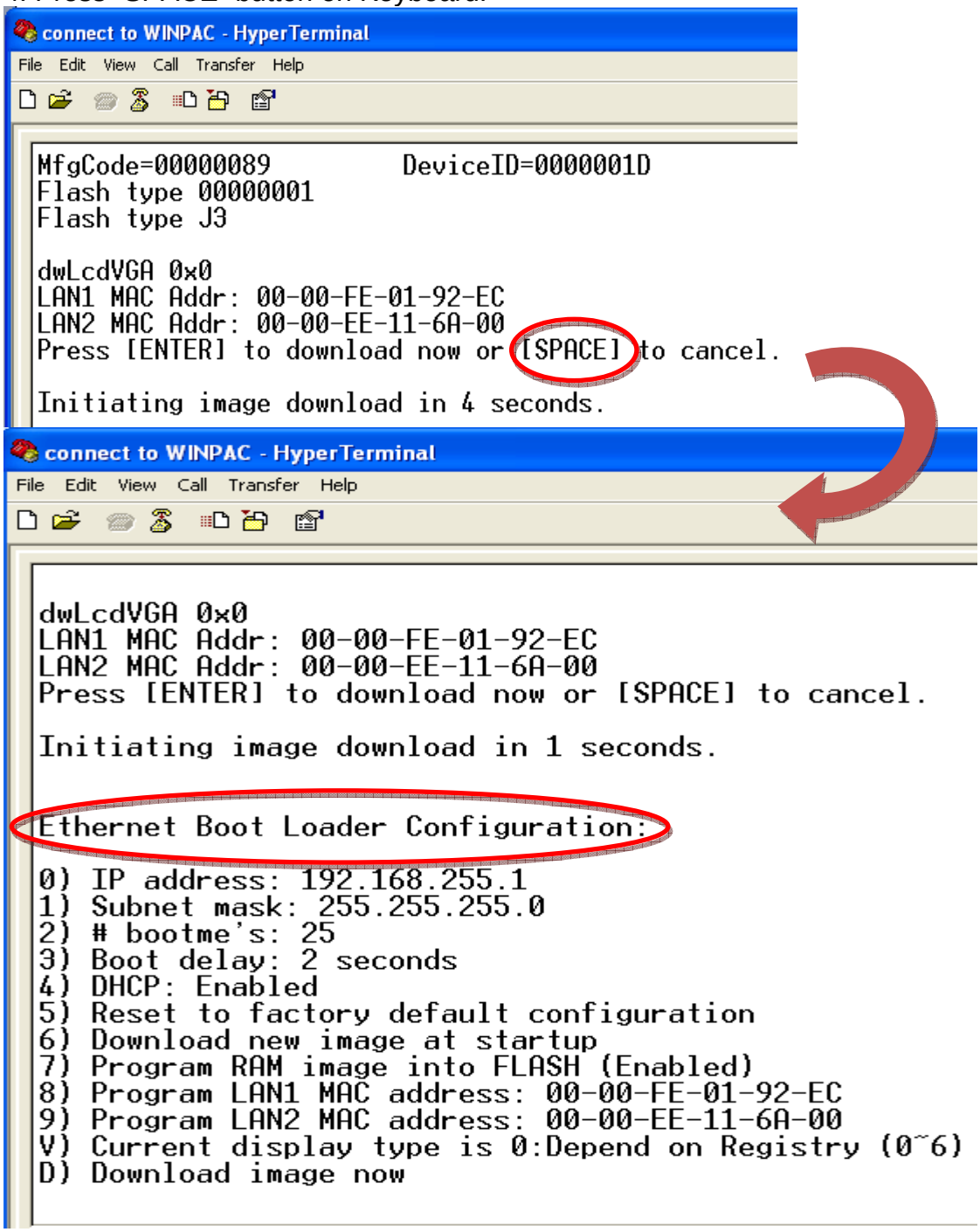


3. Turn the rotary switch to the “**2**” position and reboot**.**



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4. Press “SPACE” button on Keyboard.



5. Pass “4” and pass “0” input static IP address (According to static IP of PC).

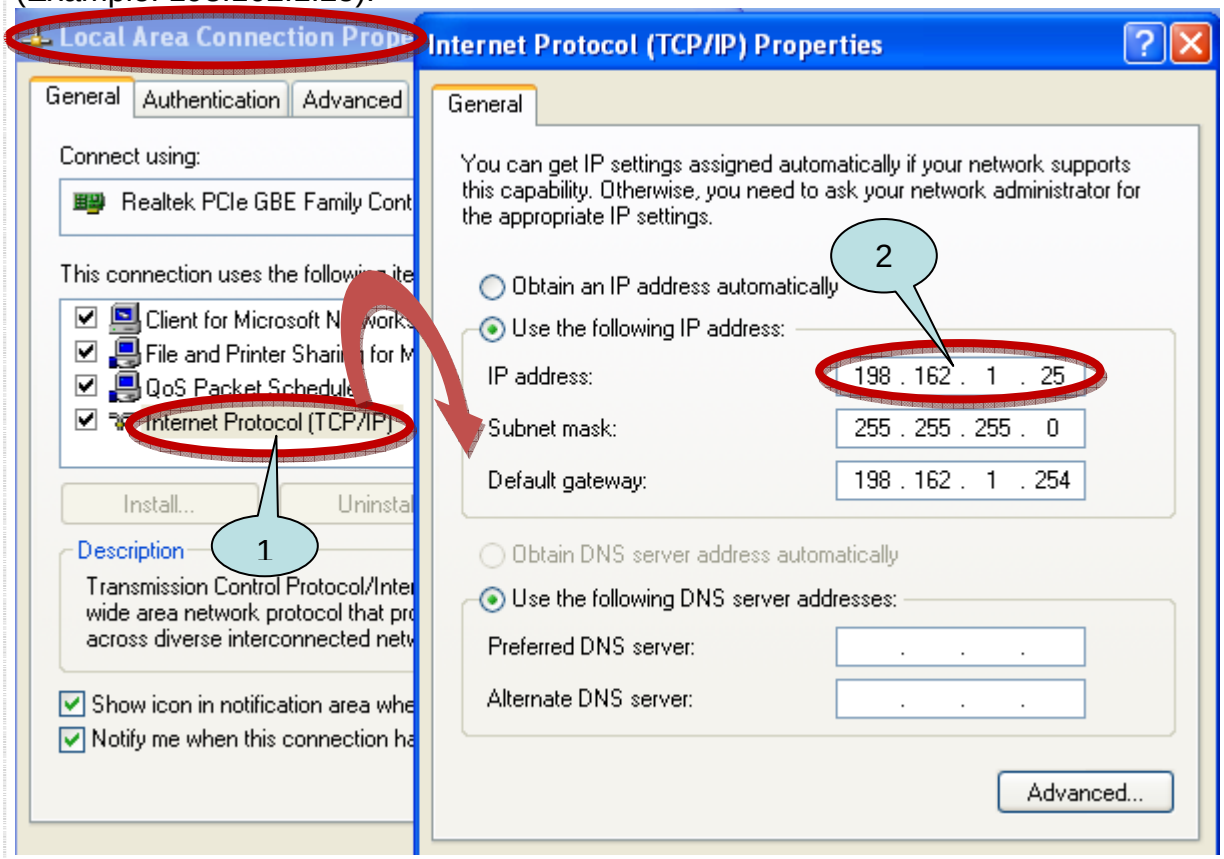
Tips & Warnings



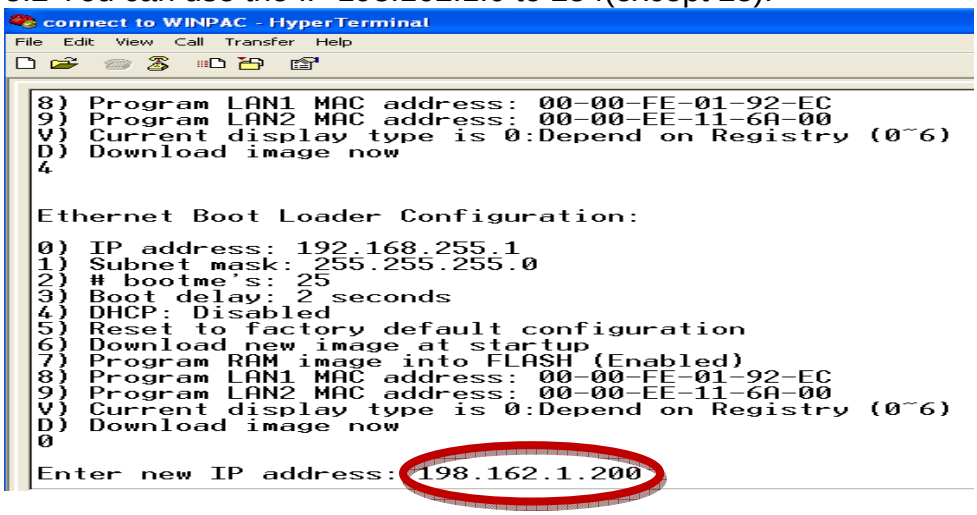
PC has to set Static IP, too.

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5.1. Set the IP address for WinPAC according to the IP of Local Area Connection on PC (Example: 198.162.1.25).



5.2 You can use the IP 198.162.1.0 to 254(except 25).



6. Pass “d” to save all settings and Reboot.

7. Go to page 1 to update the OS.

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Revision History

Revision	Date	Description
1.0.2	2013/07/04	NEW: Added support information for WP-5000 and VP-4131.
1.0.0	2010/02/12	Initial release

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