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How to reinstall the boot loader using a download cable

Applie	es to:		
	Platform	OS version	WinPAC/ViewPAC utility version
	WP-8x3x	All versions	All versions
	WP-8x4x	All versions	All versions
	VP-25W1	All versions	All versions
	VP-23W1	All versions	All versions
	VP-4131	All versions	All versions

If the WinPAC/ViewPAC unable to be booted and the OS cannot be updated using the EShell, the boot loader may be damaged or lost. In this case you have to use the download cable to re-install the boot loader. When the boot loader is correcting installed, the EShell will be able to communicate with the boot loader to update the OS through the Ethernet.

To update the boot loader using a download cable, perform the following steps:

Step 1: Download the "Update_Eboot_Tool" folder from CD: \napdos\wp-8x4x_ce50\pc_tools\ or <u>ftp://ftp.icpdas.com.tw/pub/cd/winpac/napdos/wp-8x4x_ce50/pc_tools/</u> and install the latest version of the boot loader to the "Update_Eboot_Tool" folder.

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The location of latest version of boot loader for different devices is:

- 1. WP-8x4x is in CD:\napdos\wp-8x4x_ce50\os_image\eboot\ or <u>ftp://ftp.icpdas.com.tw/pub/cd/winpac/napdos/wp-8x4x_ce50/os_image/eboot/</u>
- WP-8x3x is in CD:\napdos\wp-8x3x_ce50\os_image\eboot\ or <u>"ftp://ftp.icpdas.com.tw/pub/cd/winpac/napdos/wp-8x3x_ce50/os_image/eboot/</u>"
- VP-25W1 is in CD:\napdos\vp-2000_ce50\os_image\vp-25w1\eboot\ or <u>"ftp://ftp.icpdas.com.tw/pub/cd/winpac/napdos/vp-2000_ce50/os_image/vp-25w1/eboot/</u>"
- 4. VP-23W1 is in CD:\napdos\vp-2000_ce50\os_image\vp-23w1\eboot\ or "ftp://ftp.icpdas.com.tw/pub/cd/winpac/napdos/vp-2000_ce50/os_image/vp-23w1/eboot/"
- 5. VP-4131 is in CD:\napdos\vp-4000_ce50\os_image\vp-413x\eboot\ or "ftp://ftp.icpdas.com/pub/cd/winpac/napdos/vp-4000_ce50/os_image/vp-413x/eboot/"

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Step 2: Install "Giveio".

Copy the "Giveio.sys" file from the "Update_Eboot_Tool" folder to the "c:\windows\system32\drivers" folder.



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Step 4:

Add Hardware Wizard	
	Welcome to the Add Hardware Wizard
	This wizard helps you:
	 Install software to support the hardware you add to your computer.
	 Troubleshoot problems you may be having with your hardware.
	If your hardware came with an installation CD, it is recommended that you click Cancel to close this wizard and use the manufacturer's CD to install this hardware.
	To continue, click Next.
	< Back Next > Cancel

Step 5:



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Step 6:

Add Hardware Wizard					
The following hardware is already installed on your computer					
From the list below, select an installed hardware device, then click Next to check properties or troubleshoot a problem you might be having. To add hardware not shown in the list, click "Add a new hardware device." Installed hardware:					
USB Root Hub USB Composite Device Generic USB Hub USB Mass Storage Device Generic velume Add a new hardware device					
< Back Next > Cancel					

Step 7:

d Hardware Wizard
The wizard can help you install other hardware
The wizard can search for other hardware and automatically install it for you. Or, if you know exactly which hardware model you want to install, you can select it from a list.
What do you want the wizard to do? Search for and install the hardware automatically (Recommended) Install the hardware that I manually select from a list (Advanced)
K Back Next> Caricei
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Step 8:

Add Hardware Wizard		
From the list below, select the type of h	ardware you are installing	
If you do not see the hardware category yo Common hardware types: Show All Devices PAQCard Display adapters Display adapters DE ATA/ATAPI controllers DE ATA/ATAPI controllers IDE ATA/ATAPI controllers IDE ATA/ATAPI controllers IDE ATA/ATAPI controllers Infrared devices Modems Multi-port serial adapters	u want, click Show All Devices.	
	< Back Next > Ca	ancel

Step 9:

Add Hardware Wizard				
Select the device driver you want to install for this hardware.				
Select the manufacturer and model of your hardware device and then click Next. If y have a disk that contains the driver you want to install, click Have Disk.	you			
Manufacturer Standard Infrared Port) (Standard Modem Types) (Standard port types) (Standard system devices)				
This driver is digitally signed. Have Dis	sk			
< Back Next > Car	ncel			
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9.1: Click the "Browse" button and locate the "Update_Eboot_Tool" folder and then select the "giveio.inf" file.

Add Hard	ware Wizard	1	
Select	the device dr	iver you want to install for this hardwa	are.
	tall From Dis	k	
M. (55 (55 (55 (55) (55) (55) (55) (55) (Copy m A:\	re manufacturer's installation disk, and then ure that the correct drive is selected below. anufacturer's files from 2	OK Cancel Browse
	Lookin: C	Update_Eboot_Tool	
	File name:	giveio.inf	Open
	Files of type:	Setup Information (*.inf)	Cancel

9.2:

Install Fr	om Disk			
	Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.	<	OK Cancel	
	Copy manufacturer's files from:			
	E:\Update_Eboot_Tool	*	Browse	

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9.3:

Add Hardware Wizard
Select the device driver you want to install for this hardware.
Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.
Model
giveio
This driver is not digitally signed! Have Disk Have Disk
< Back Next > Cancel

Step 10:

Add Hardware Wizard	
The wizard is ready to install your hardware	
Hardware to install:	
To start installing your new hardware, click Next.	
< Back Next > Cance	el
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Step 11:



To close this wizard, click Finish.

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Finish

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12.1: Open Control Panel->System->Hardware->Device Manager and the "giveio" device showed be linked in the Ports (COM & LPT) section.

🖴 Device Manager					
File Action View Help					
← → 📧 🖆 🚭 😫 🔜 ≈ 🔀 🛃					
E-A ICPDAS-27BE48E8					
🗄 🖳 Computer					
🗄 🥌 Disk drives					
E DVD/CD-ROM drives					
🛨 🖾 Human Interface Devices					
🗄 🚍 IDE ATA/ATAPI controllers					
🗄 🦢 Keyboards					
🗄 宛 Other devices					
🗄 🛒 🦻 Ports (COM & LPT)					
Communications Port (COM1)					
Communications Port (COM2)					
giveio (COM3)					
Printer Port (LPT1)					
Processors					

12.2: Connect the PC and the WinPAC/ViewPAC using the download cable.



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Tips & Warnings



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WP-8x3x JTag interface



ViewPAC JTag interface

Hardware V 1.7 and before



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Hardware V 2.0 and later



Step 13: Click Start->Run **13.1:** Type "cmd" and press enter.

Run ? 🔀	
Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.	
Open:	
C:\WINDOWS\system32\cmd.exe	<u> ×</u>
(C) Copyright 1985-2001 Microsoft Corp.	
C:\Documents and Settings\pfhuang>	
	-
p	
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Step 14: change directory to the "Update_Eboot_Tool" folder.

C:\WINDOWS\system32\cmd.exe	×
Microsoft Windows XP [Version 5.1.2600] (C) Copyright 1985-2001 Microsoft Corp.	-
C:\Documents and Settings\pfhuang>e:	
E:\>cd_Update_Ebcet_Tool	
E: Wpdate_Eboot_Tool>	
	-
Step 15: Enter "EbootUpdate "< The name for the boot loader update package>" (Example:	

winpac270_20090930_ver.1.0.6.1.nb0)".



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Step 16: Press "Y" and wait.

JFLASH Version 5.01.003 COPYRIGHT (C) 2000 - 2003 Intel Corporation PLATFORM SELECTION: Processor= PXA27× Development System= Mainstone Data Version= 1.00.002 PXA27x revision ?? Failed to read the Flash ID. Retrying 4 more times... Failed to read the Flash ID. Retrying 3 more times... Found flash type: 28F128J3D The last 21 percent of image file is all zeros Would you like to save time by not programming that area? [y/n]:

Step 17: When you **see** the message "Programming done", reboot the WinPAC/ViewPAC in boot mode "3" and reinstall the OS image using the Eshell.

Please refer to "W4-01-02_how_to_update_OS_image_by_Eshell.pdf" for detailed information. C:\WINDOWS\system32\cmd.exe - 🗆 🗙 Erasing block at address Ø * Error, Block erase timed out E:\Update_Eboot_Tool>EbootUpdate_winpac270_20090930_ver.1.0.6.1.nb0_ JFLASH Version 5.01.003 COPYRIGHT (C) 2000 - 2003 Intel Corporation PLATFORM SELECTION: Processor= PXA27× Development System= Mainstone Data Version= 1.00.002 PXA27x revision ?? Found flash type: 28F128J3D The last 21 percent of image file is all zeros Would you like to save time by not programming that area? [y/n]: y Erasing block at address Ø Starting programming Using BUFFER programming mode... riting flack at hex address 32ac0, 99.35% done Programming done E:\Update_Eboot_Tool>

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Revision History

Revision	Date	Description
1.0.1	2013/05/16	NEW: Added support information for VP-4131.
1.0.0	2010/02/12	Initial release