

# **Document name: PT90 Upgrade firmware procedure**

### **Document No: P90-1009002**

### **Introduction:**

Please check system information first.

If the FW version is newer than the firmware which you want to upgrade, It doesn't need to upgrade firmware again.



System info

## **Upgrade firmware Procedure:**

1. Copy the bin file (P9XCE60R.bin) and P9XUtility.cab to root directory of Micro SD card.

**Note:** The file name must be "P9XCE60R.bin" and "P9XUtility.cab"– do not rename it

- 2. Insert the Micro SD card into PT-90 series.
- 3. Plug the power adapter into the PT-90.
- 4. Do cold reset (press power key and reset key at the same time).



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Picture1

Picture2

- When you see screen like picture1, please press Func key and key immediately.
- 6. It will show Upgrading like picture3.
- 7. If you don't press hot key immediately, it will show Loading OS like picture2.
- 8. When your screen show Loading OS like picture2, please return to step4.
- 9. Then Press ENT to start upgrading.
- 10.Upgrading will cost 5~10 minutes like picture4.
- 11. After the image successfully update, the PT-90 automatically cold-starts with the new OS.



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Picture3

Picture4

PS. The format of SD card must be FAT32. If it shows error message [Read File Error], please use "complete format" SD card again.

# **USB driver install Procedure:**

XP OS system:

- a01) please install ActiveSync first.
- a02) after upgrade new firmware, user needs to install new PT90 USB driver when PT90 connect PC via USB.
- a03) Connect PT90 to PC via USB, it shows a message like picture5.



a04) OS shows a window to search driver like picture6.



#### a05) Please select No, not this time.



a06) then select install from a list or specific location (Advanced) like picture7.





#### a07) after press Next button, it shows a window like picture8.

ound New Hardware Wizard		
Ρ	lease choose your search and installation options.	
	<ul> <li>Search for the best driver in these locations.</li> </ul>	
	Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.	
	Search removable media (floppy, CD-ROM)	
	Include this location in the search:	
	ver for ARGOX\PT90 USB driver for ARGOX\WinXp 👽 Browse	
	O Don't search L will choose the driver to install	
	Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.	
	< Back Next > Cancel	
	pic	

- a08) it needs driver files wceusbsh.inf and wceusbsh.sys.
- a09) please copy these two files to PC in the same folder and press browse button to search the folder like picture8.
- a10) please press Next button to install driver.
- a11) after install success, OS shows a message like picture9.



Found New Hardware Wiz	ard	
	Completing the Found New Hardware Wizard The wizard has finished installing the software for: Mobile Computer USB Sync	
	Click Finish to close the wizard.	
	K Back Finish Cancel	picture

- PS. 1. Every USB port needs to install PT90 USB driver again.
  - 2. Please install ActiveSync first.
  - 3. Please don't copy these two files from CD.

Vista OS system:

- b01) ActiveSync only support XP OS system. On Vista OS system, it only supports Microsoft Windows Mobile Device Center.
- b02) please download from Microsoft website. Below is a download link for reference.

http://www.microsoft.com/downloads/details.aspx?displaylang=en& FamilyID=46f72df1-e46a-4a5f-a791-09f07aaa1914

- b03) it needs driver files weeusbsh.inf and winusb.sys.
- b04) Connect PT90 to PC via USB, it shows a message like picture10.
- b05) select Locate and install driver software.





b06) Select "I don't have the disc. Show me other options" like picture11.

Ð	D Found New Hardware - Generic USB Serial	
	Insert the disc that came with your Generic USB Serial	
	If you have the disc that came with your device, insert it now. Windows will automatically search the disc for driver software.	
	➔ I don't have the disc. Show me other options.	
	✤ I don't have the disc. Show me other options.	

b07) select "Browse my computer for driver software" like picture12.



i Altan sa			
<ul> <li>Check for a Windows will c working.</li> </ul>	solution heck to see if there are steps you can take to get your de	vice	
Browse my Locate and inst	computer for driver software (advanced) all driver software manually.		

b08) select browse the folder which has two driver files.

Browse for driv	Browse For Folder	
	Select the folder that contains drivers for your ha	ardware.
Search for driver so		
C:\Users\Gary\Do	New Folder 1	* se
☑ Include subfolde	<ul> <li>PerfLogs</li> <li>Program Files</li> <li>ProgramData</li> <li>temp</li> <li>Users</li> <li>Windows</li> <li>Network</li> </ul>	THE STREET
	To view subfolders, dick the symbol next to a fol	der. Cancel



Found New F	lardware - Generic USB Serial		
Browse for dr	iver software on your comput	er	
Search for driver s	oftware in this location:		
C:\New Folder	1	Browse	
🔽 Include subfol	ders		
		2 Next	Cancel
			pictur

B09) Select "Install this driver software anyway" like picture15.



b10) after install finish, OS shows a message like picture



0	Found New Hardware - Mobile Computer USB Sync	
	The software for this device has been successfully installed	
	Windows has finished installing the driver software for this device:	
	Mobile Computer USB Sync	
		Close

- b11) if user installed wrong driver, please follow below steps
- b12) Plug in PT90 USB cable then check Device manager like picture17. If shows "wceusbsh.sys", please follow b13 and b14 steps to remove it.





b13) select "Mobile Computer USB Sync" and choose uninstall like picture 18.

🗃 Device Manager			
File Action View Help			
	🕒 🙀 🚯		
GARY-PC			
Disk drives			
Display adapters Floppy drive controllers			
IDE ATA/ATAPI controller	's Ilers		
Infrared devices			
	devices		
Mobile devices	1		
Modems     Network adapters	Update Driver Software Disable		
Other devices Unknown device	Uninstall	2	
PCMCIA adapters	Scan for hardware changes		
Ports (COM & LPT)	Properties		
<ul> <li>Image: Image of the second sec</li></ul>	ontrollers		
System devices	ollers		
······································			
ninstalls the driver for the selected o	levice		• . 1

b14) tick the check box and press ok button like picture19.

🚔 Device Manager		
File Action View Help		
(= =) 🖬 🗐 🚺 🖬 💐 😰 🔖 🛛	6	
GARY-PC GARY-PC Gary-PC Gar	Confirm Device Uninstall         Image: Mobile Computer USB Sync         Warning: You are about to uninstall this device from your system.         Image: Provide the driver software for this device.         1         2       OK         Cancel	
		pictu

b16) after remove wrong, please install driver again.



Win7 OS system:

- C01) On Vista OS system, it only supports Microsoft Windows Mobile Device Center.
- C02) if your OS system is 64bit, please download 64bit version Windows Mobile Device Center from Microsoft <u>http://www.microsoft.com/downloads/details.aspx?displaylang=en&FamilyID=4f68</u> <u>eb56-7825-43b2-ac89-2030ed98ed95</u>
- C03) if your OS system is 32bit, it needs driver files weeusbsh.inf and winusb.sys.If your OS system is 64bit, it needs driver files weeusbsh.inf and weeusbsh.cat
- C04) Connect PT90 to PC via USB, it shows a message like picture

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