

Appendix

Installing the PLC USB Driver

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A.1 Installing the USB Driver

This section introduces the installation of the Delta PLC USB driver in the computer. After the driver is installed, the USB interface can be used as the serial port (RS-232). Please use the standard USB cable. The length of the cable should be within fiver meters.

Installing the driver

The personal computer and the PLC are connected through the USB and the mini USB cable. After they are connected, users can find **USB Device** in the **Device Manager** window.

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🗄 💘 Batteries	
🕀 🧕 Computer	
🗄 🛫 Disk drives	
🗈 💆 Display adapters	
W UD/CD-ROM drives	
E - E - Floppy disk controllers	
Eloppy disk drives	
Wetwork adapters	
E - A Other devices	
USB Device	
E Ports (COM & LPT)	
🖕 🚽 Communications Port (COM1)	
Communications Port (COM2)	
Printer Port (LPT1)	
🔁 🐲 Processors	
🗄 🏀 SCSI and RAID controllers	~

Click the right mouse button, and select Update Driver... to open the Hardware Update Wizard

window. Click Browse to specify the folder, and then click Next to start the installation of the driver.

	Please choose your search and installation options.
Update Driver Disable Uninstall Scan for hardware changes Properties	Search for the best driver in these locations. 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: D:\ Don't search. I will choose the driver to install. Choose this option to select the device driver from a list. Windows does not guarantee th the driver you choose will be the best match for your hardware. Cancel

Select the folder that contains drivers for your hardware.	Browse For Folder	? 🛛	Hardware Update Wizard	
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OK Cancel Index Place wait while the wizard installs the software Image: Completing the Hardware Update Index PLC Image: Completing the software for Index PLC Image: Completing the software for Image:	To view any subfolders, click a plus sign above.		O Don't search. I will che Choose this option to s the driver you choose	pose the driver to install. select the device driver from a list. Windows does not guara will be the best match for your hardware.
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After the driver is installed, users can find the **Delta PLC** device and the communication port assigned to it in the **Device Manger** window. The usage of this device is the same as that of RS-232.



Select **Communication Setting** in **Options** to open the **Communication Setting** window. Select **RS232** in the **Connection Setup** box, select the communication port assigned by the USB in the **Communication Setting** box, and click **OK**. After the communication setting is complete, users can find that **RS232** in the communication work area is checked. They can download the program to the PLC and upload the program from the PLC through the USB, and can use the online mode.



A.2 Installing the USB Driver on the Windows 8 Operating System

A digital signature is an electronic security mark that can be added to files. It allows you to verify the publisher of a file and helps verify that the file has not changed since it was digitally signed. Owing to the fact that the Delta PLC USB driver is not digitally signed, this section introduces how to disable driver signature enforcement in Windows 8 so that the Delta PLC USB driver can be installed in the computer. The setting is effective only once. If the computer is rebooted, driver signature enforcement will be enabled again.

Installing the Delta PLC USB driver on Windows 8

Press [WIN] + [1] to open the **Settings** interface, and click **Change PC settings**.

Click General under PC settings, and click Restart now under Advanced Startup.

Settings		
Desktop		
Control Panel		
Personalization	PC settings	Language Add or charge input methods, kryboard layouts, and languages. Language professions
PC info	Personalize	Available storage
Help	Users	You have \$10.08 available. See how much space your upps are using. You have \$10.08 available.
	Search	Refresh your PC without affecting your files
	Share	If your PC on't running well, you can refresh it without losing your photos, mur videos, and either personal files.
	General	Get started
	Privacy	Remove everything and reinstall Windows
	Devices	If you want to recycle your PC or start over completely, you can reset it to its for settings.
	Ease of Access	Get started
.all 🕪 🤆	Sync your settings	Advanced startup
NETGEAR51 32 Brightness	HomeGroup	Start up from a device or disc such as a USB drive or DVDs, change Windows startup settings, or restore Windows from a system image. This will restart you
	Windows Update	Restart now
■ () ■	8	
Notifications Power Keyboard		
Change PC settings		



Once the PC restarts, click **Troubleshoot** on the **Choose an option** screen and then click **Advanced options** on the **Troubleshoot** screen.



Click Startup Settings on the Advanced options screen, and then click Restart on the Startup Settings screen.



On the **Startup Settings** screen, choose **7**) **Disable driver signature enforcement** by pressing the numeric key 7 or the function key F7. After the system returns to the Windows 8 operating system, the Delta PLC USB driver can be installed.

