PP7MX PRINTER DRIVER INSTALLATION INSTRUCTION

Pinnacle Technology Corp.

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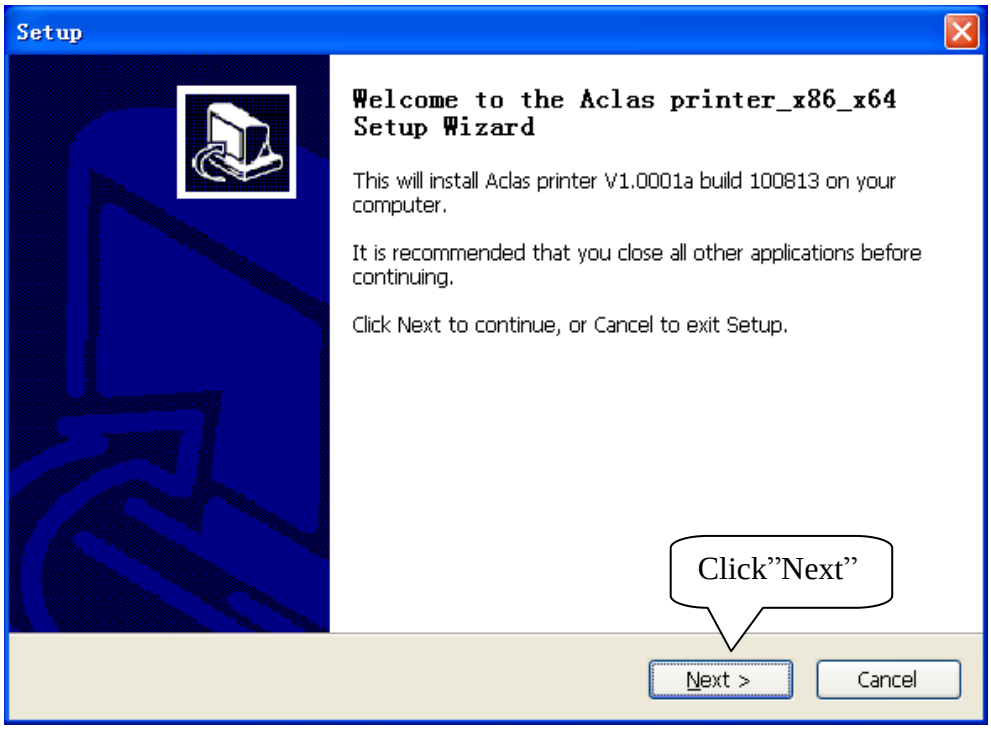
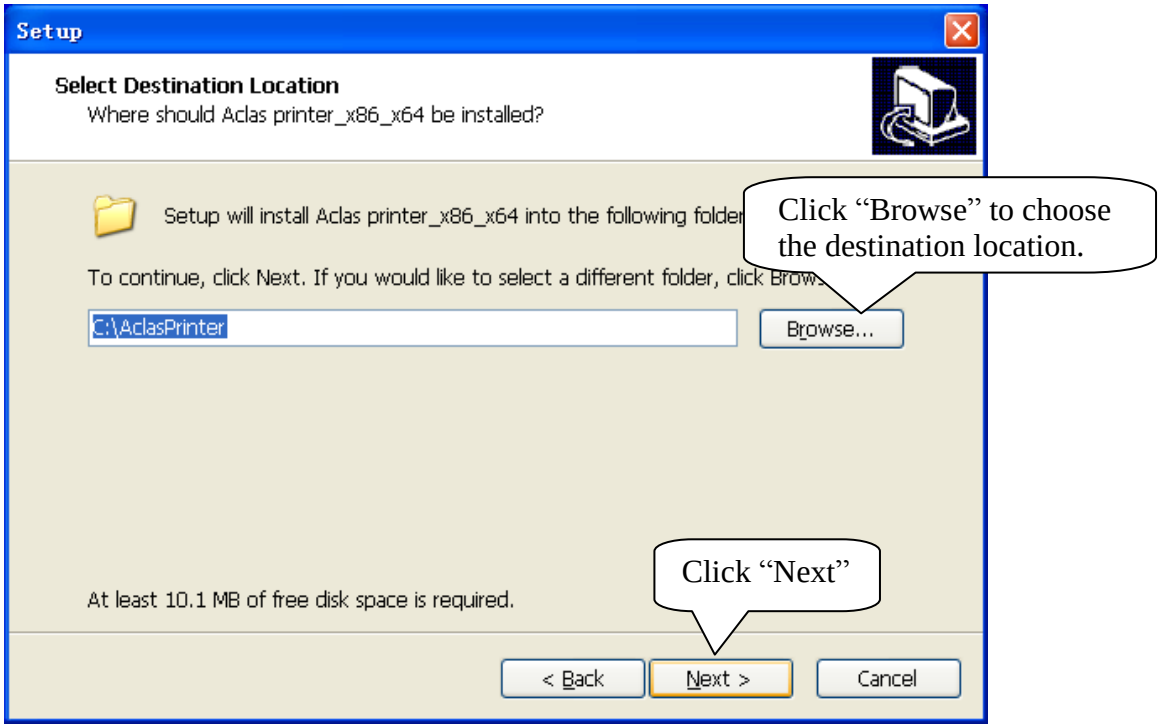
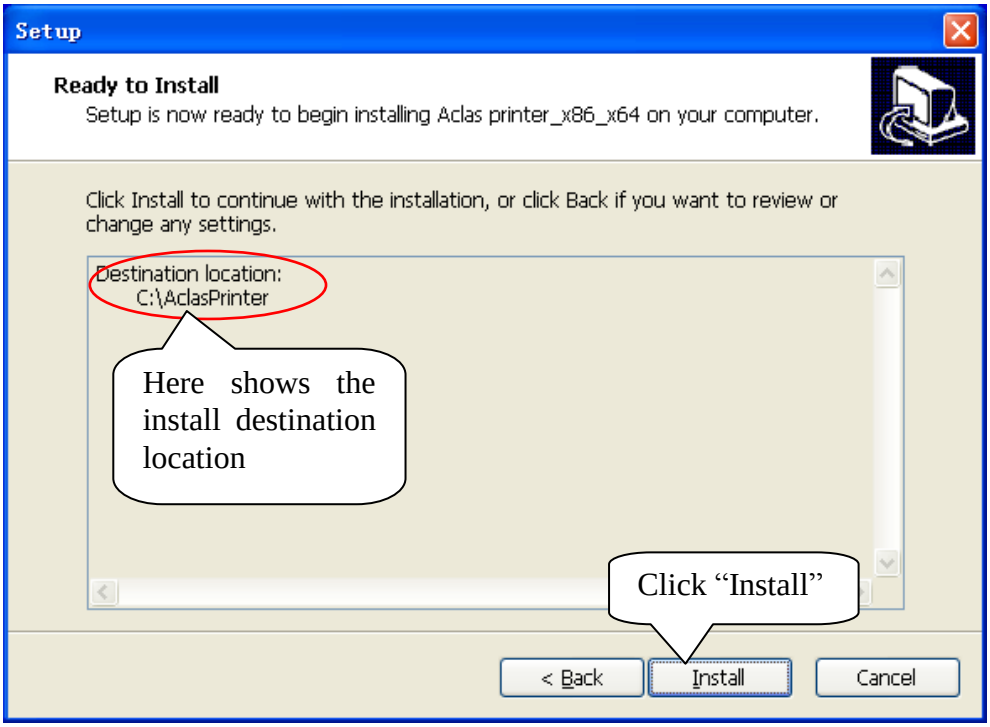
1. USB / Serial /Parallel Printer Driver Installation

1.1. Printer Driver Installation

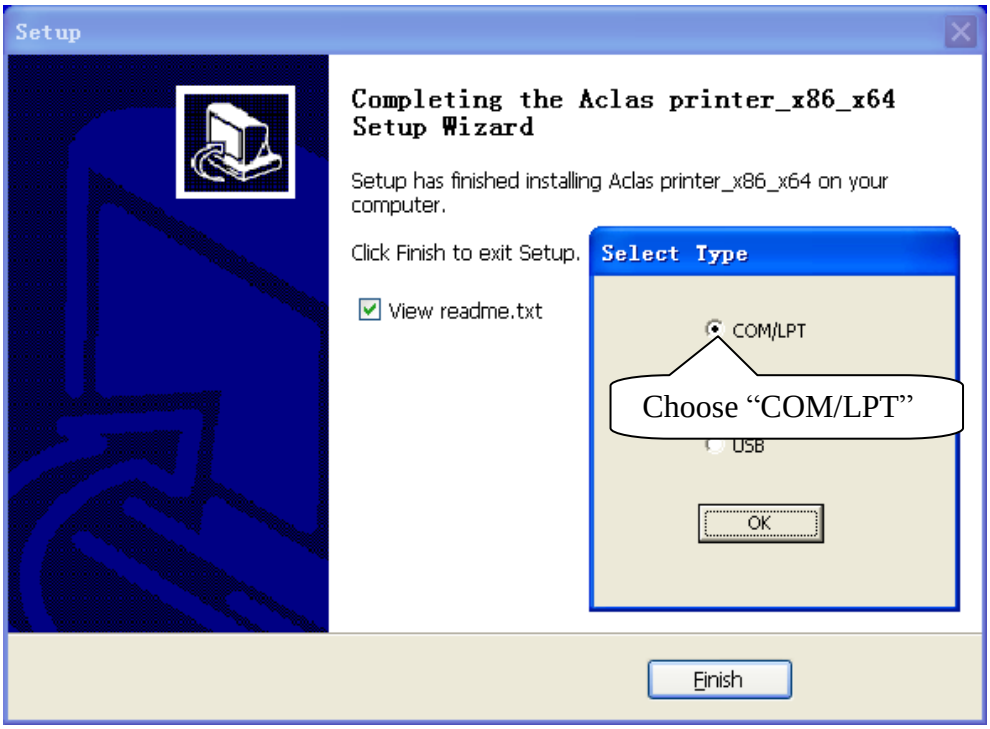
Connect the PP7X to PC, double click the file “Aclas printer_x86_x64.exe” in the folder ‘Aclas Printer’ to install the printer driver.

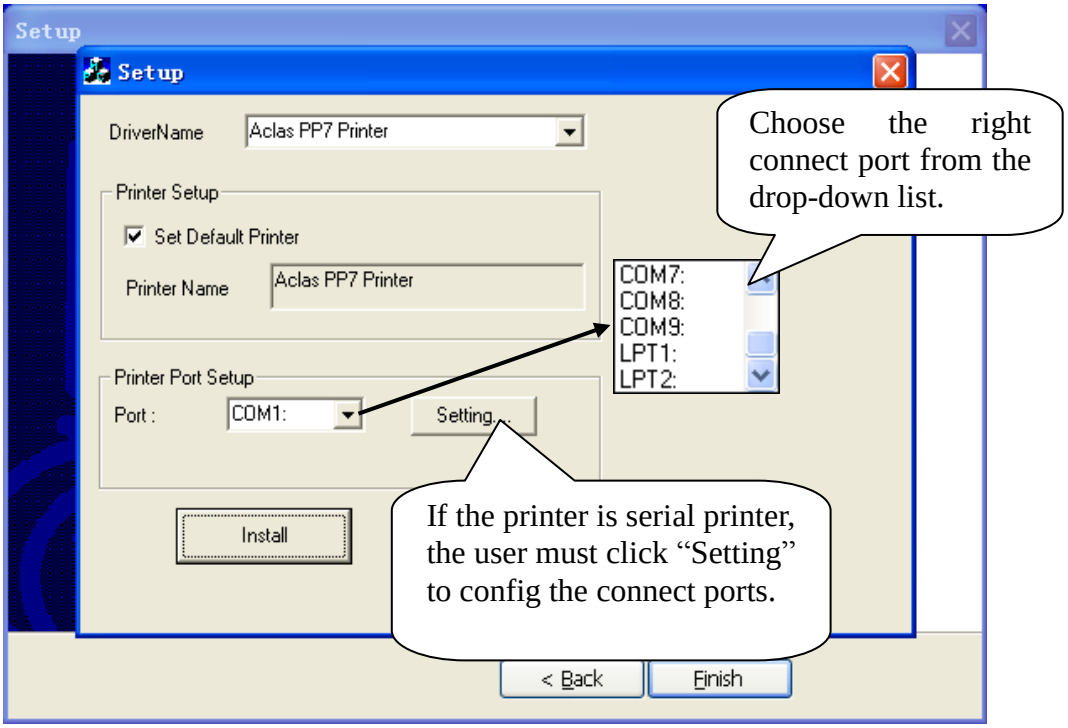


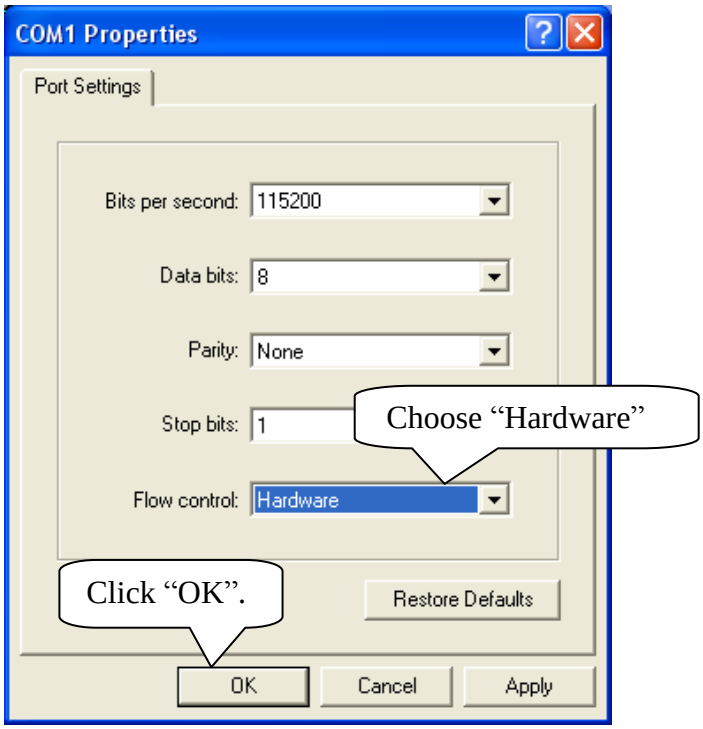


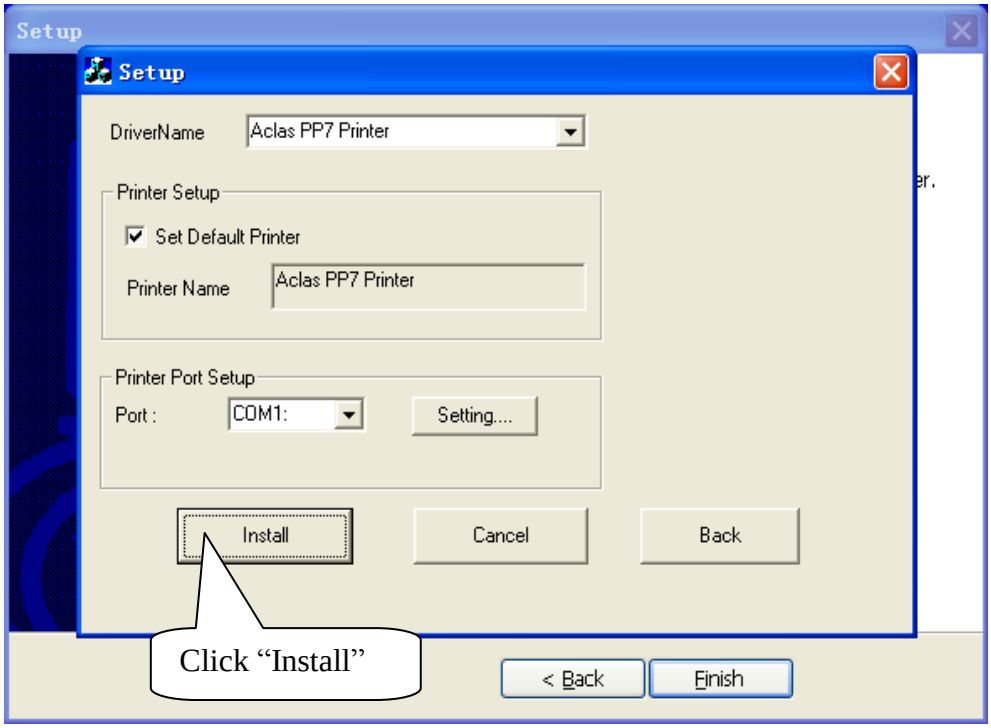


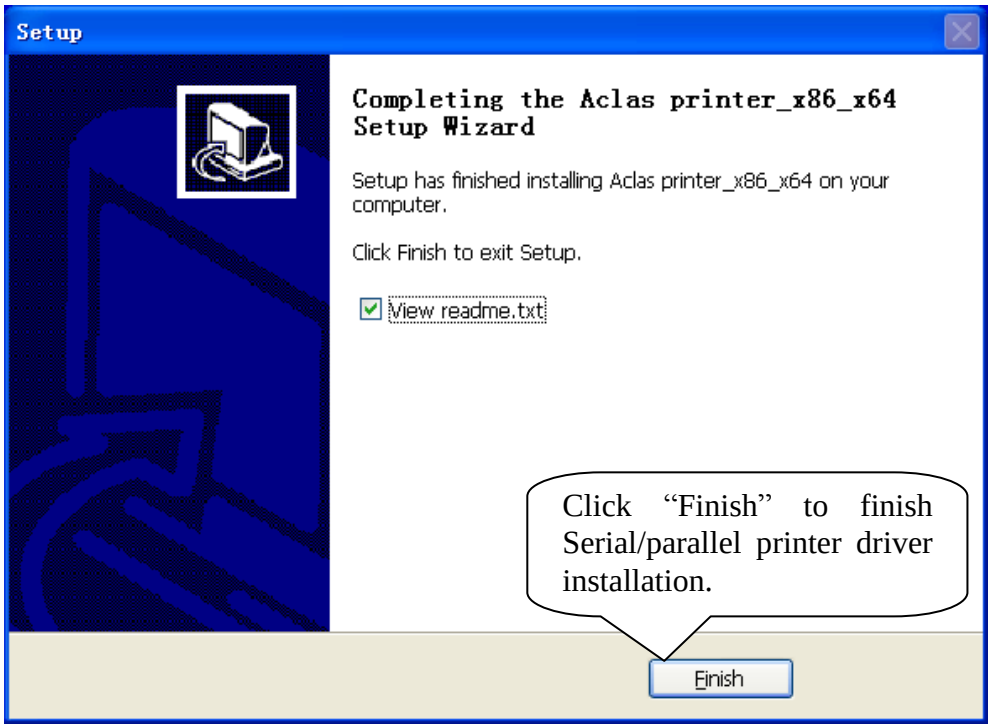
1.1.1.Serial /Parallel Printer Driver Installation



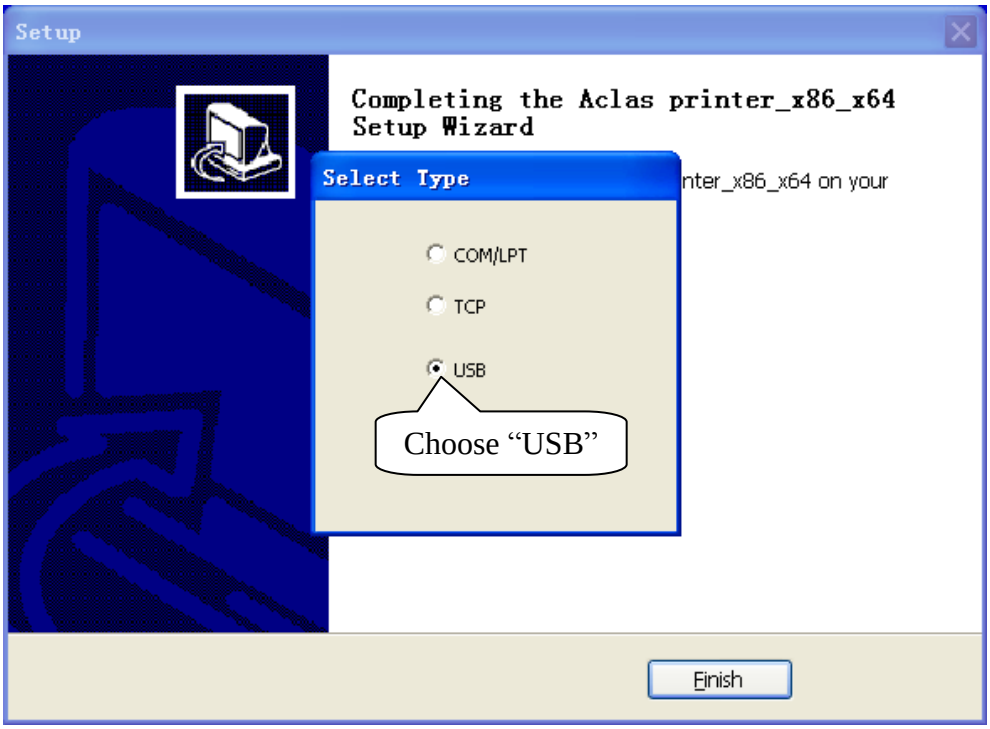

Setup
Setup
DriverName
Aclas PP7 Printer
Printer Setup
Set Default Printer
Printer Name
Aclas PP7 Printer
Printer Port Setup
Port :
COM1:
Setting...
Install
COM7:
COM8:
COM9:
LPT1:
LPT2:
Choose the right connect port from the drop-down list.
If the printer is serial printer, the user must click “Setting” to config the connect ports.
< Back
Finish

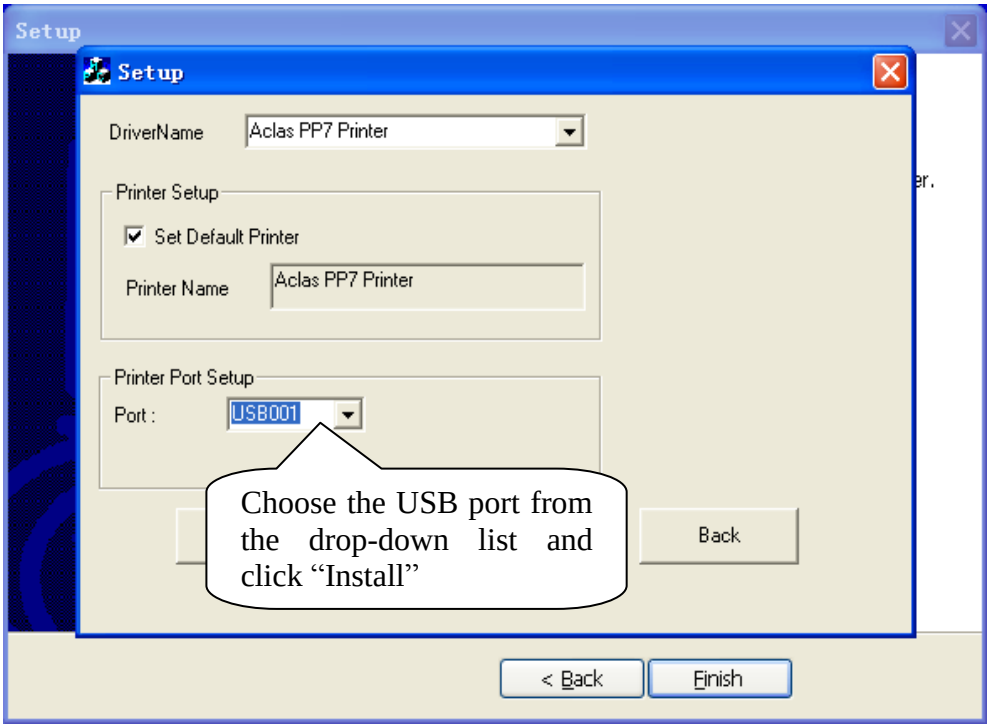

COM1 Properties
Port Settings
Bits per second:
115200
Data bits:
8
Parity:
None
Stop bits:
1
Flow control:
Hardware
Choose “Hardware”
Click “OK”.
Restore Defaults
OK
Cancel
Apply

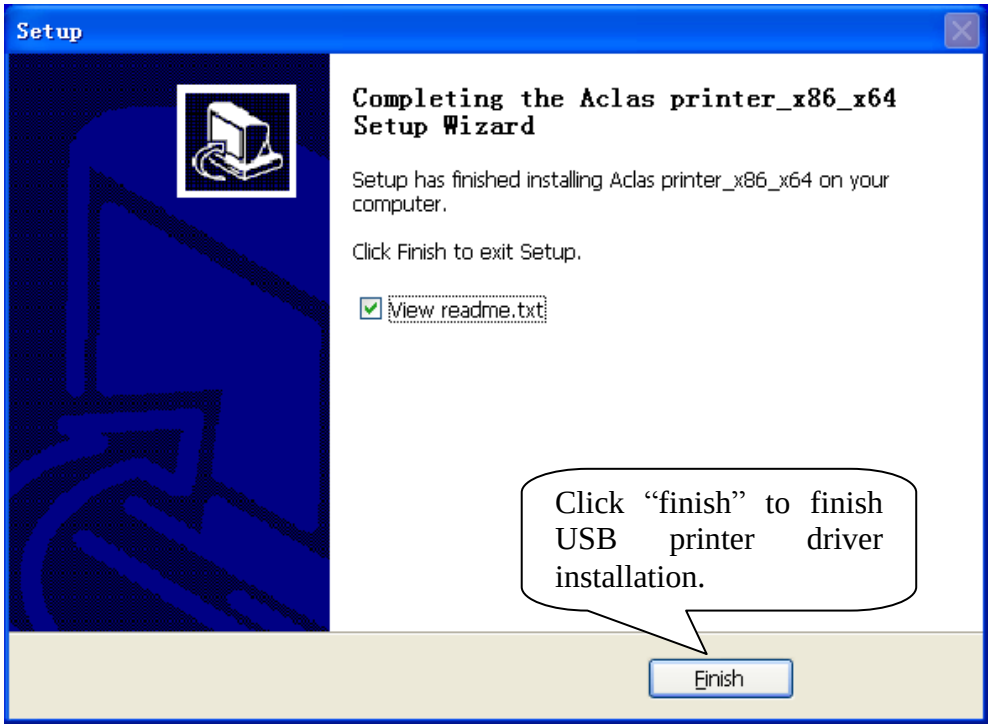

Setup
Setup
DriverName
Aclas PP7 Printer
Printer Setup
Set Default Printer
Printer Name
Aclas PP7 Printer
Printer Port Setup
Port :
COM1:
Setting....
Install
Cancel
Back
Click “Install”
< Back
Finish


Setup
Completing the Aclas printer_x86_x64 Setup Wizard
Setup has finished installing Aclas printer_x86_x64 on your computer.
Click Finish to exit Setup.
View readme.txt
Click “Finish” to finish Serial/parallel printer driver installation.
Finish

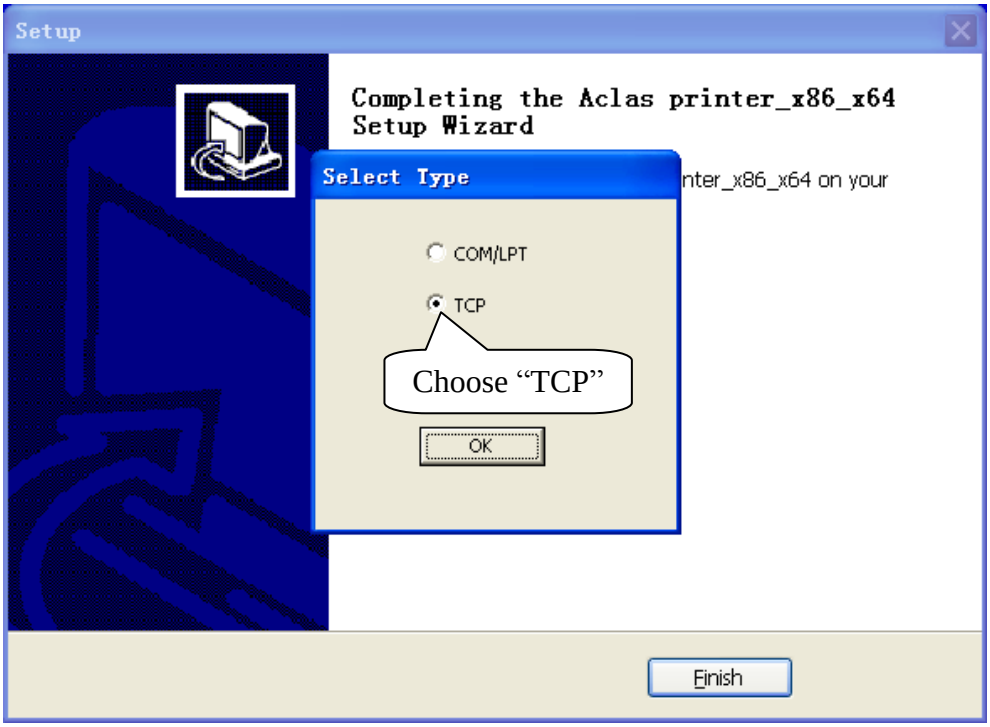
1.1.2. USB Printer Driver Installation

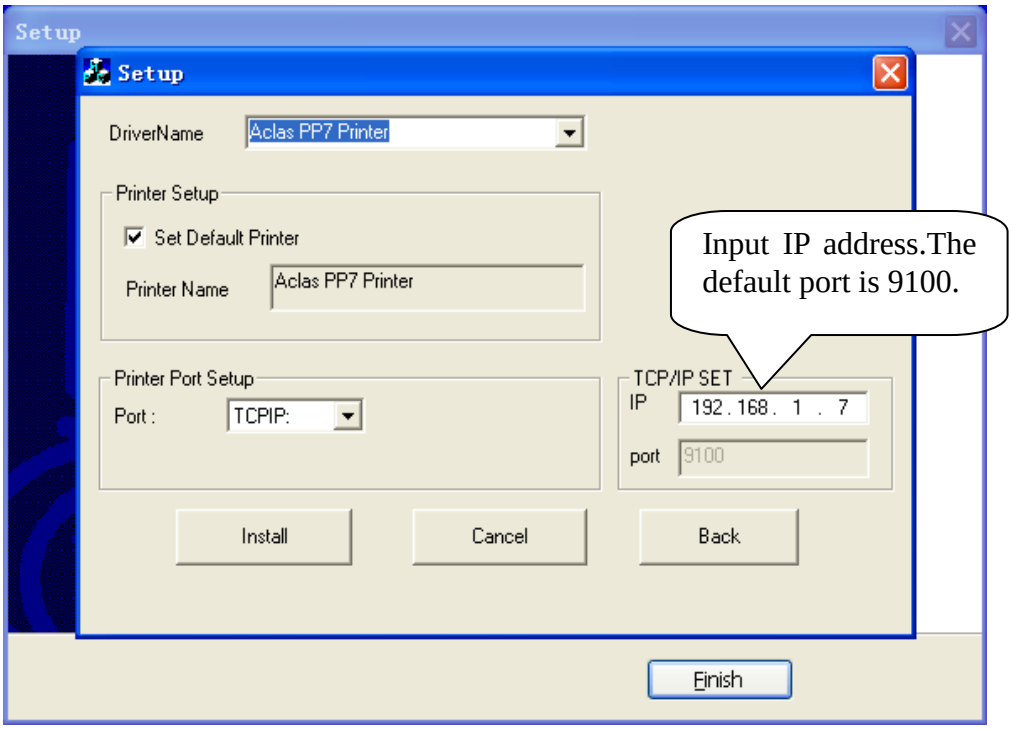






1.1.3.Ethernet/WIFI Printer Driver Installation



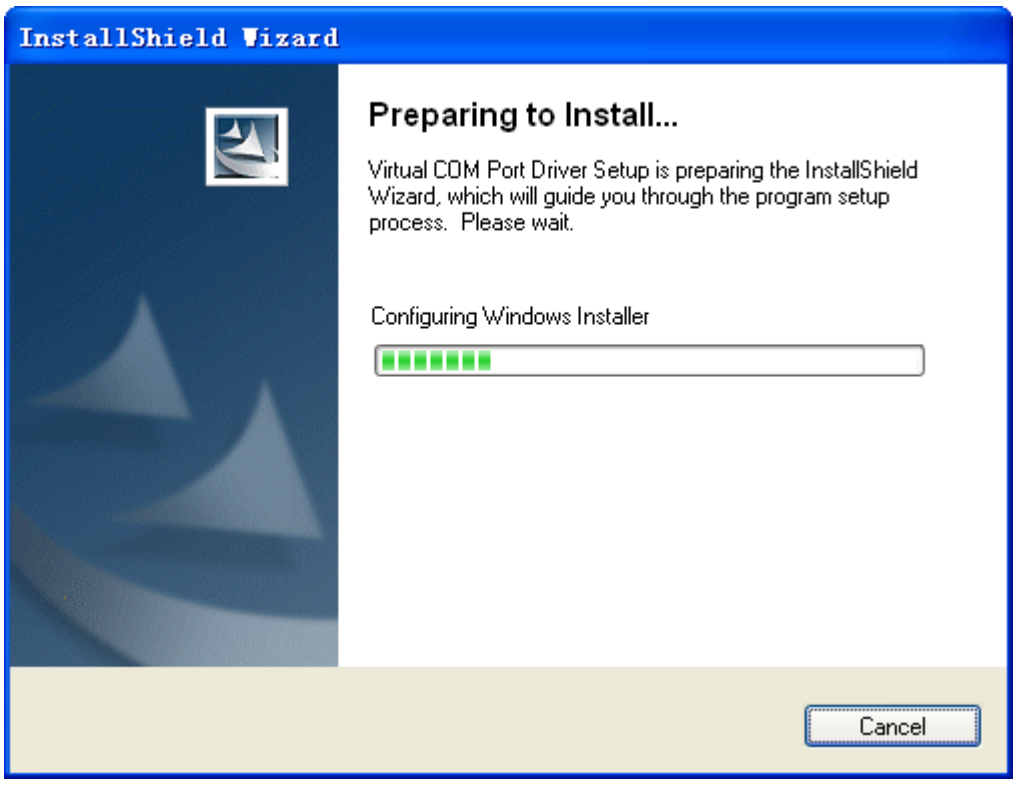


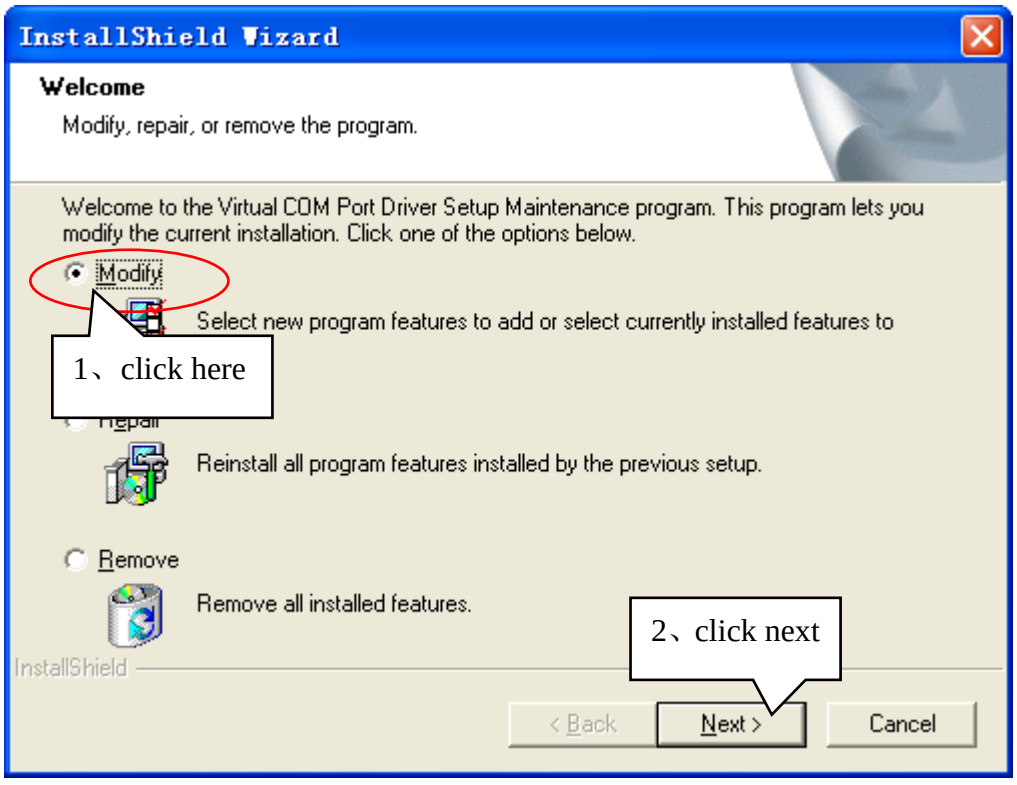
Note:
After installing the printer driver, you can use the printer. If the printer could not work, you can refer to Chapter 1.2 to see the connecting port and make sure that the connecting port you choose is correct and is not being used; then refer to Chapter 1.3 to configure port.

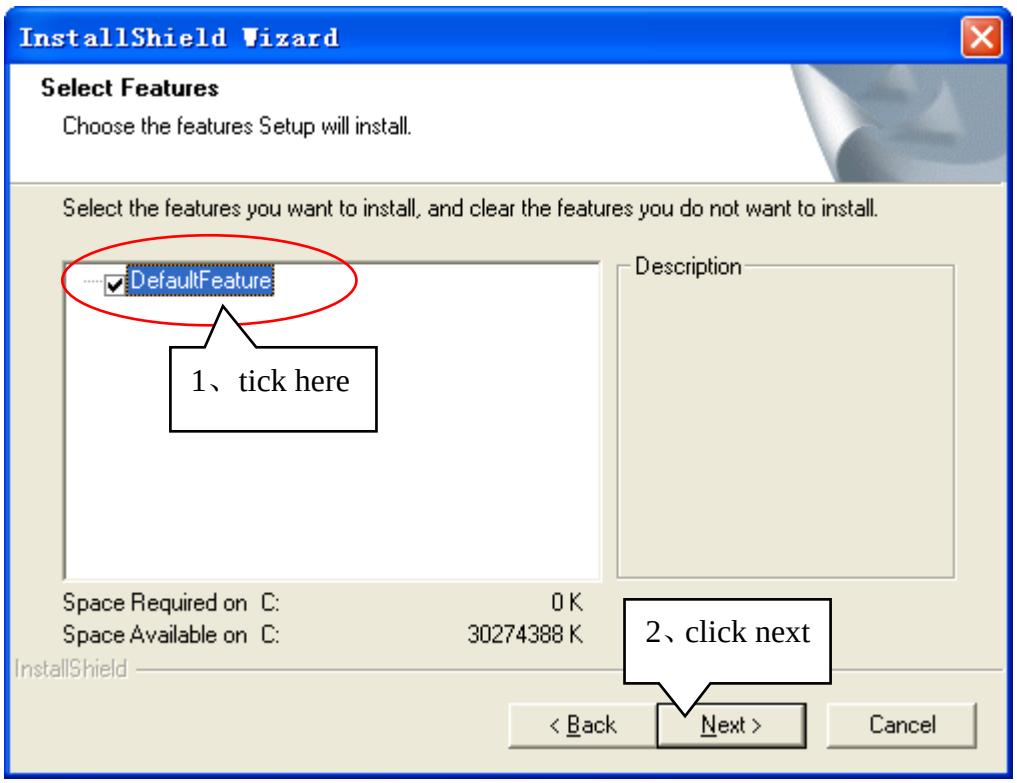
1.1.4.USB port convert to serial port Printer Driver Installation

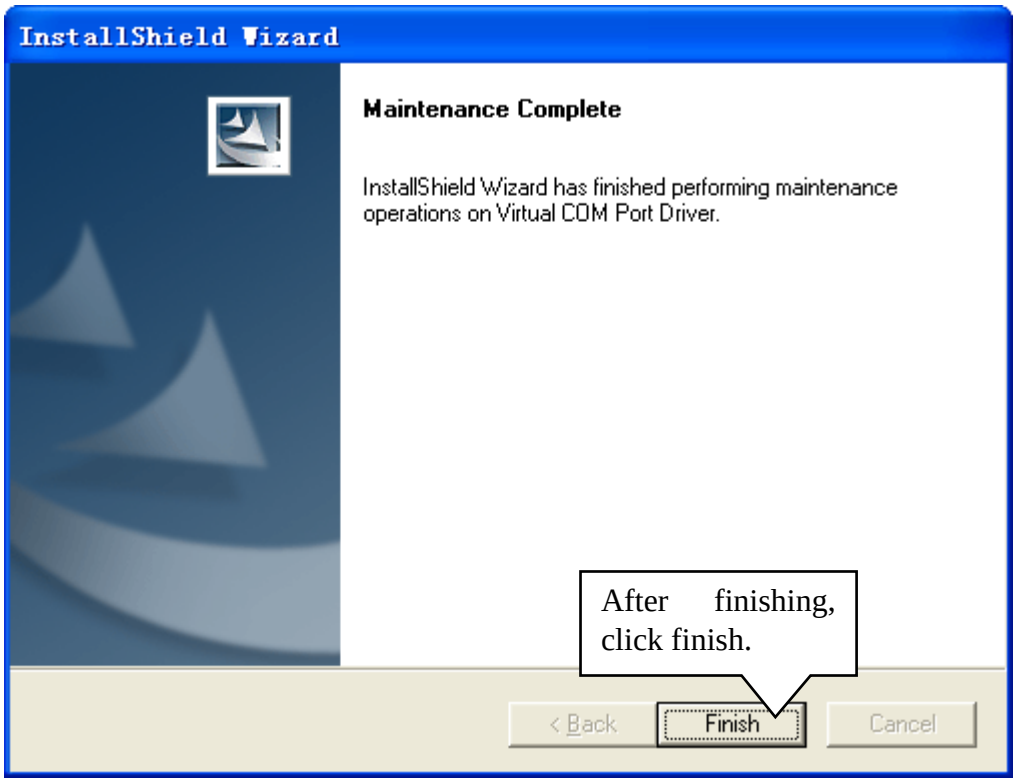
Note: if customer’s PC does not support USB printer function ,the function of the USB port convert to serial port is needed. The detail operation steps are as followings:

1) First you need to install USB port convert to serial port driver programme. Please read the readme text before installation, because different computer systems use different driver programme, so you need to follow the readme text to choose the correct driver programme and add the suitable documents to relevant contents. The installation steps are as followings:

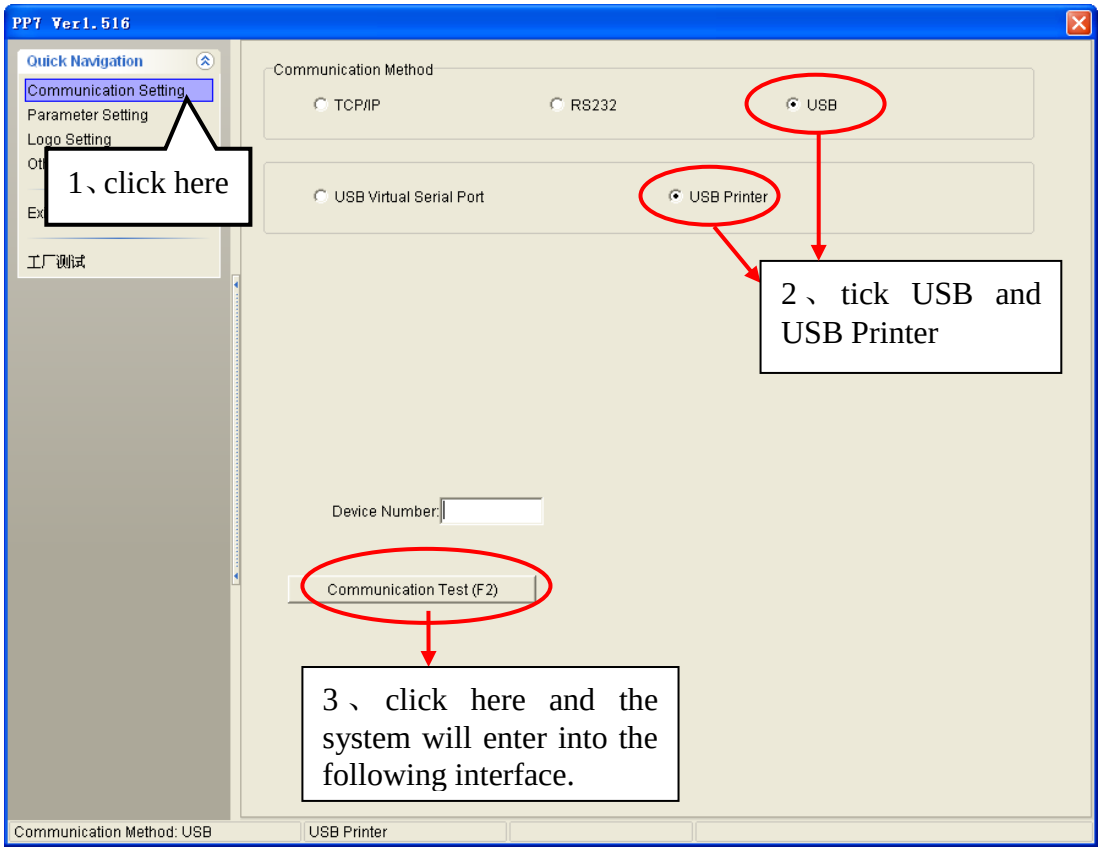

InstallShield Wizard
Preparing to Install...
Virtual COM Port Driver Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.
Configuring Windows Installer
Cancel

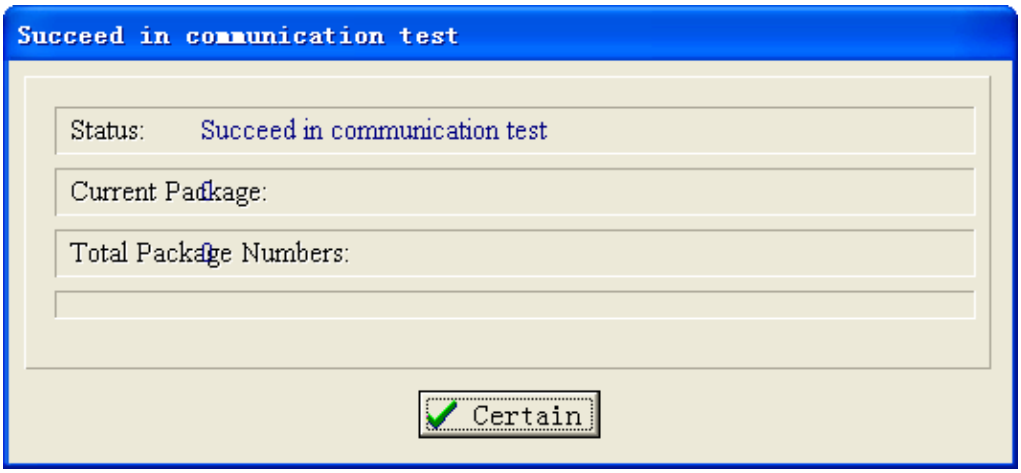

InstallShield Wizard
Welcome
Modify, repair, or remove the program.
Welcome to the Virtual COM Port Driver Setup Maintenance program. This program lets you modify the current installation. Click one of the options below.
Modify
Select new program features to add or select currently installed features to
1、click here
Reinstall all program features installed by the previous setup.
Remove
Remove all installed features.
2、click next
InstallShield
< Back
Next >
Cancel


InstallShield Wizard
Select Features
Choose the features Setup will install.
Select the features you want to install, and clear the features you do not want to install.
DefaultFeature
Description
1、tick here
Space Required on C: 0 K
Space Available on C: 30274388 K
InstallShield
2、click next
< Back
Next >
Cancel

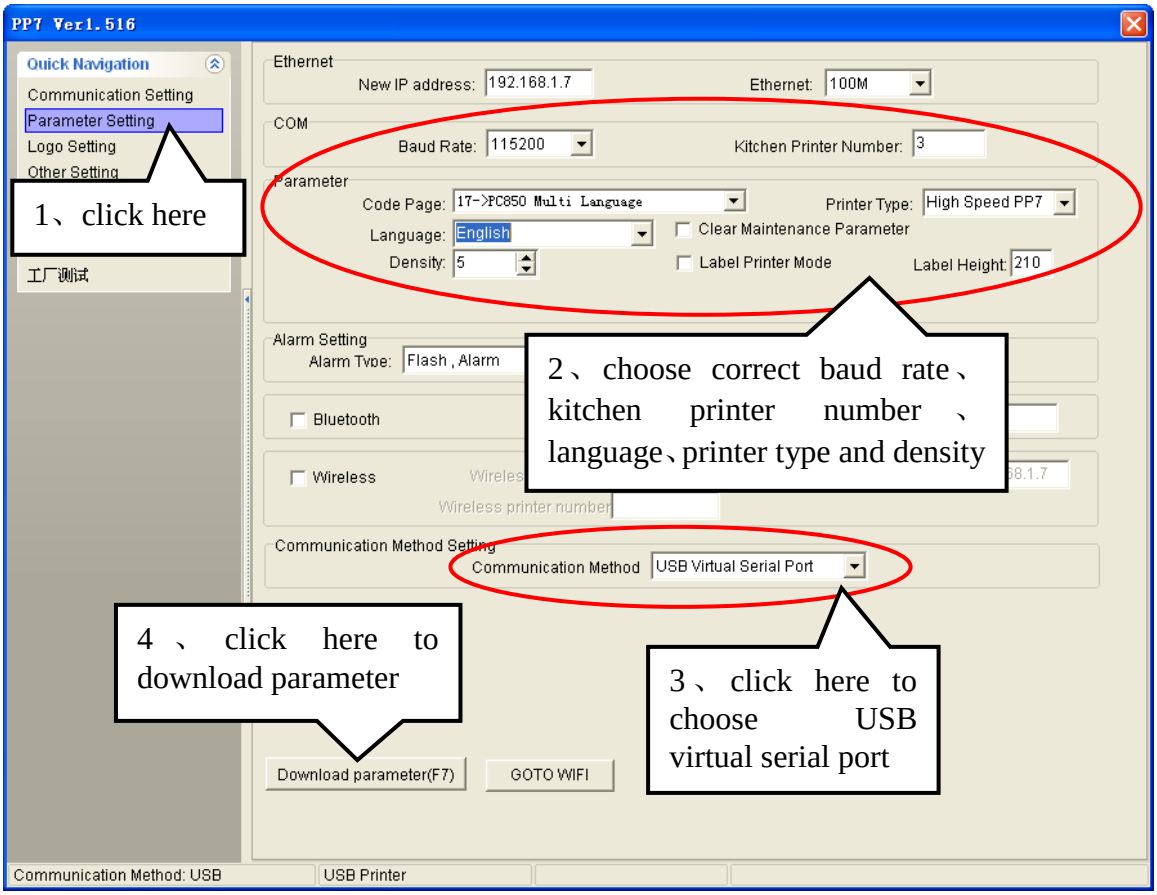

InstallShield Wizard
Maintenance Complete
InstallShield Wizard has finished performing maintenance operations on Virtual COM Port Driver.
After finishing, click finish.
< Back
Finish
Cancel

2) Open printer tool ,the system will pop-up the following interface:



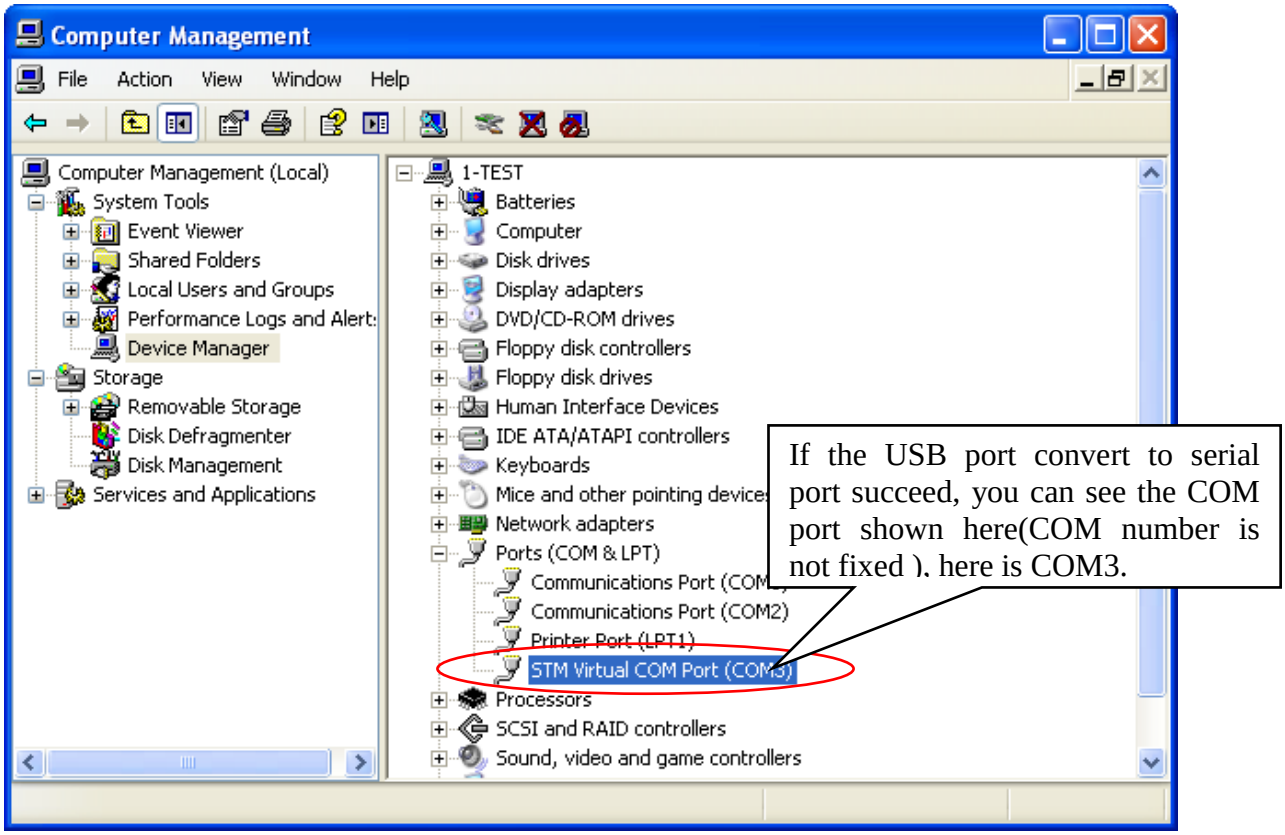


3) Click “certain” and choose “parameter setting”,enter into the following interface:

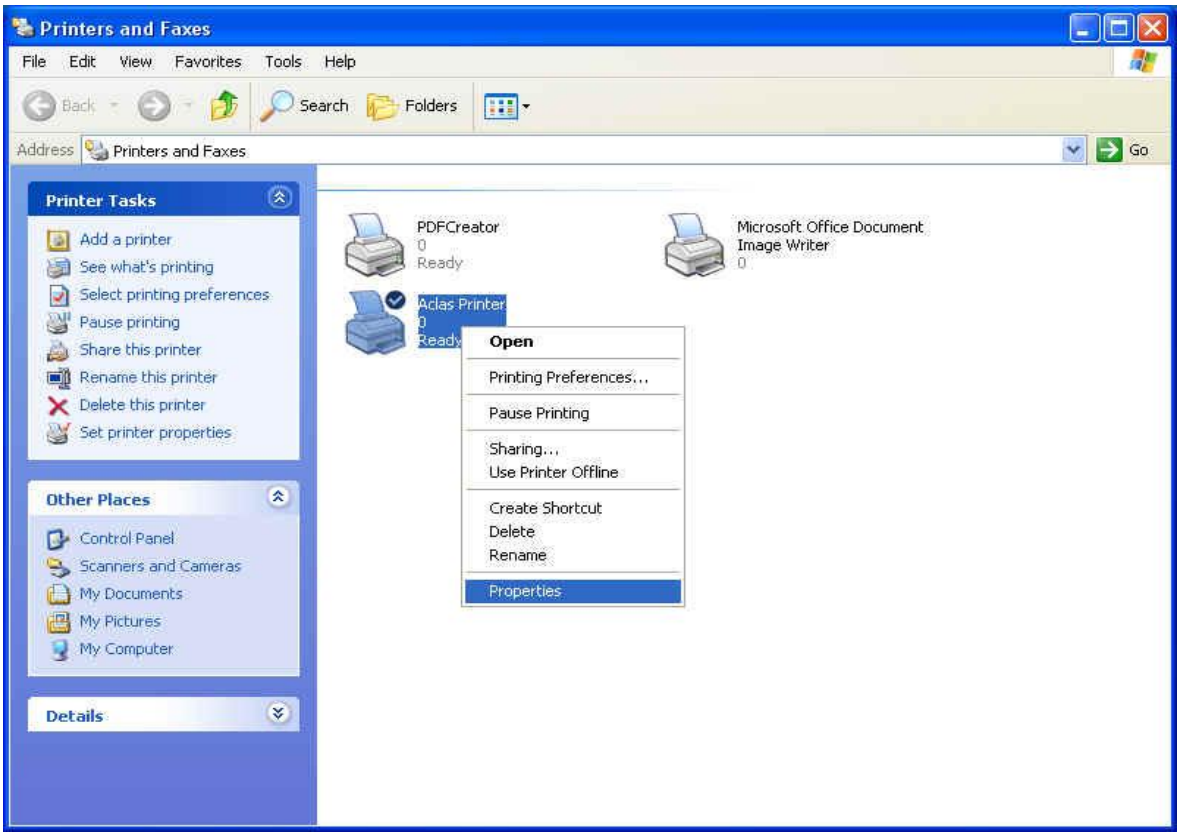


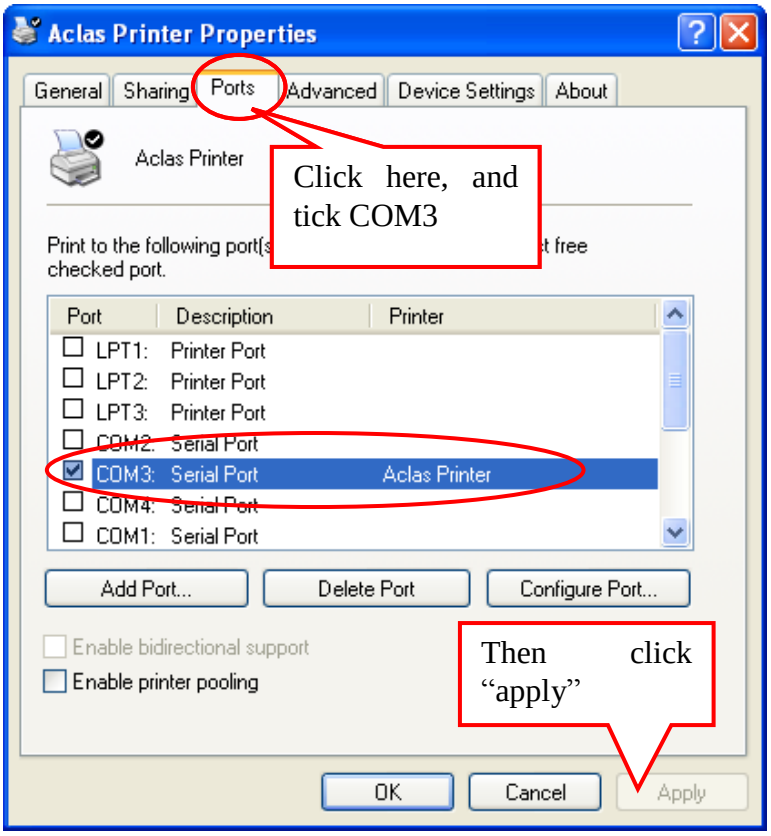
4) After finishing downloading ,the system will show the following interface:

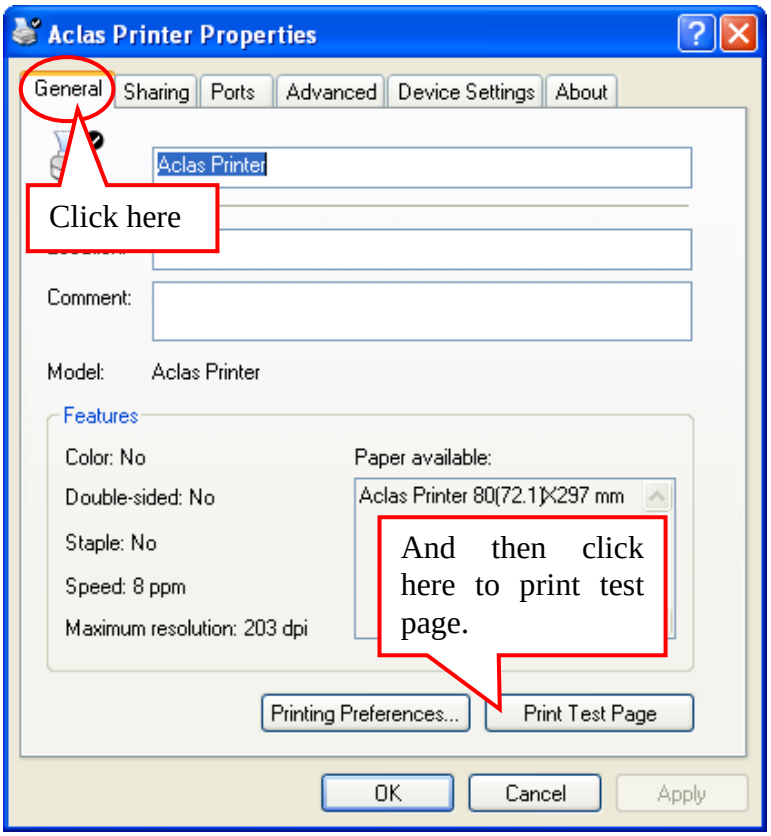
5) Back to the computer desk, right click “my computer” and choose “device manage”, if the following picture can be seen , it means that the operation succeed.

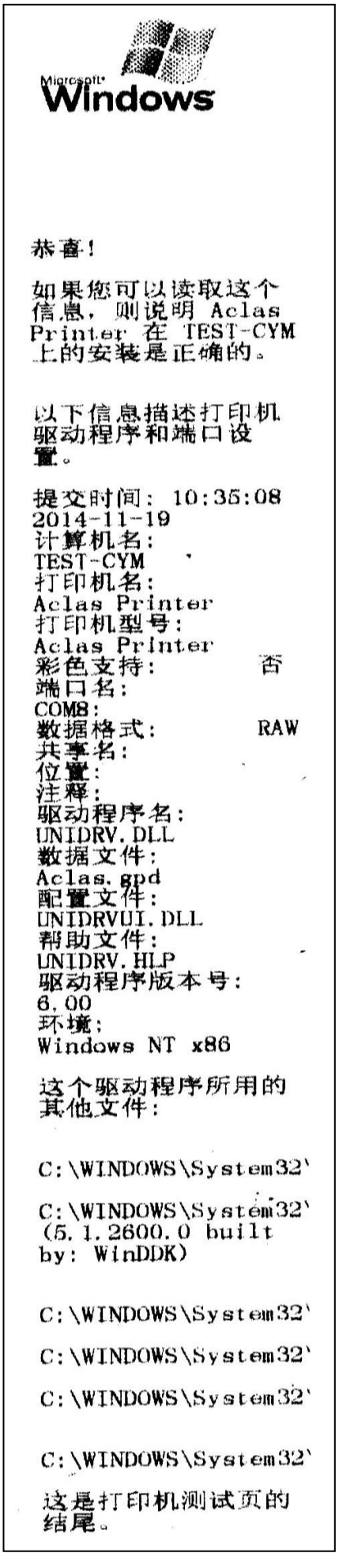


6) Open “printer and fax” in the control panel of computer, choose “ Aclas Printer” printer device, right click the mouse→property→port ,choose COM3 , and click apply。




Aclas Printer Properties
General
Sharing
Ports
Advanced
Device Settings
About
Aclas Printer
Click here, and tick COM3
Print to the following port(s
t free
checked port.
Port
Description
Printer
LPT1: Printer Port
LPT2: Printer Port
LPT3: Printer Port
COM2: Serial Port
COM3: Serial Port
Aclas Printer
COM4: Serial Port
COM1: Serial Port
Add Port...
Delete Port
Configure Port...
Enable bidirectional support
Enable printer pooling
Then click "apply"
OK
Cancel
Apply

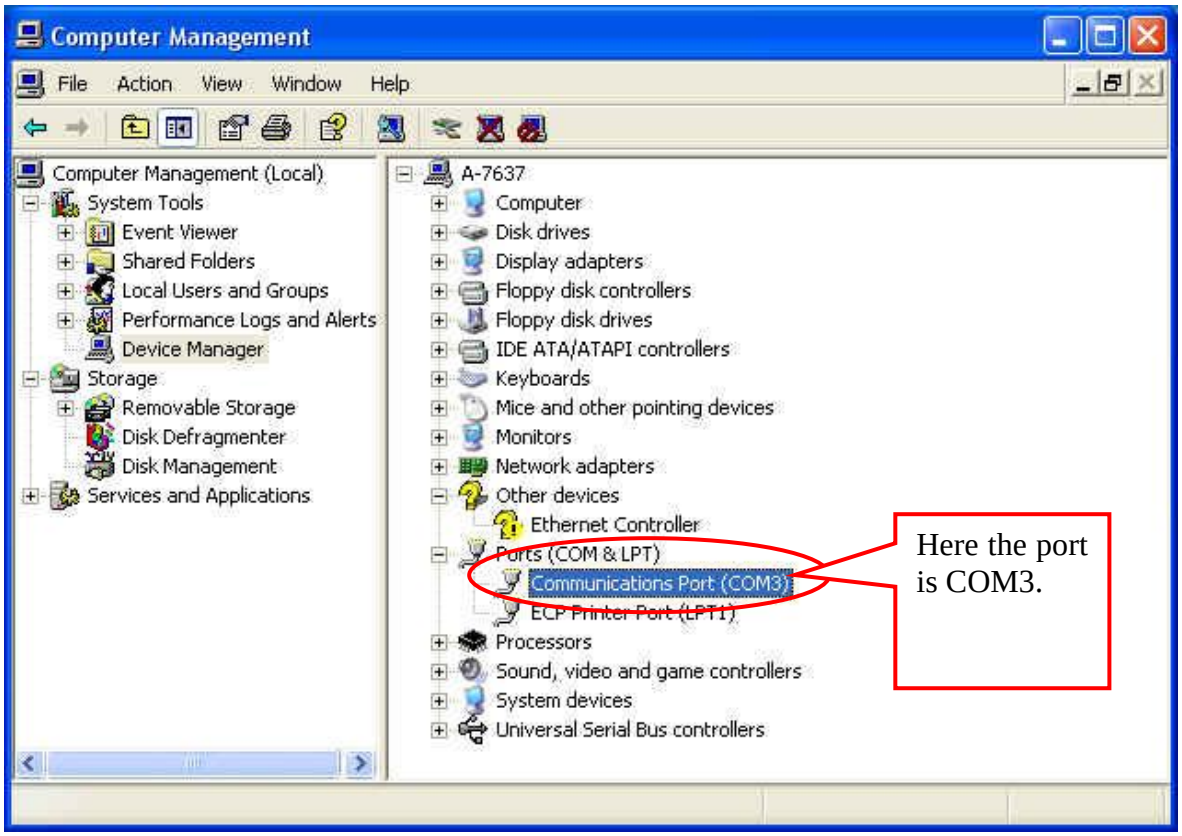

Aclas Printer Properties
General
Sharing
Ports
Advanced
Device Settings
About
Aclas Printer
Click here
Comment:
Model:
Aclas Printer
Features
Color: No
Double-sided: No
Staple: No
Speed: 8 ppm
Maximum resolution: 203 dpi
Paper available:
Aclas Printer 80(72.1)X297 mm
And then click here to print test page.
Printing Preferences...
Print Test Page
OK
Cancel
Apply

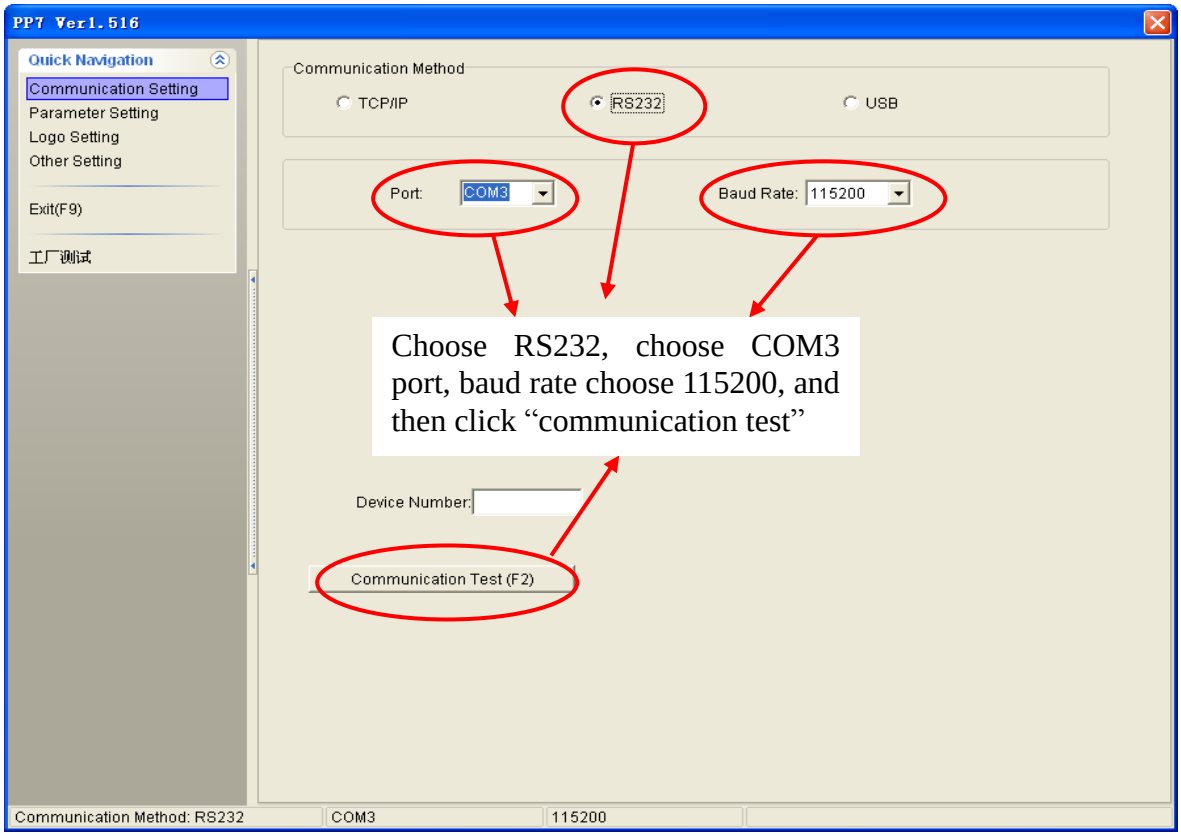


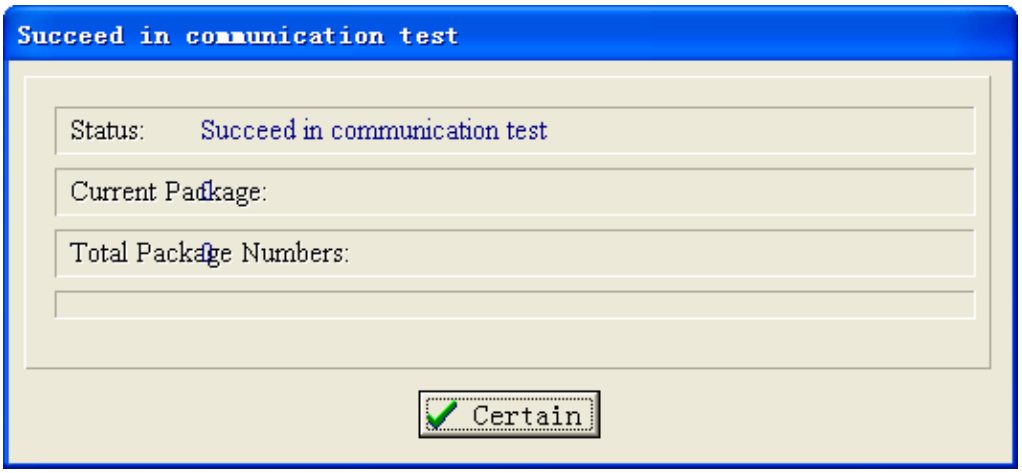
Note: there is the information about computer name\ printer name\port name and data file etc. on the print test page. The printer can be used after finishing the installation of driver , but if the printer cannot be used normally, please refer to chapter 1.2 and chapter 1.3.

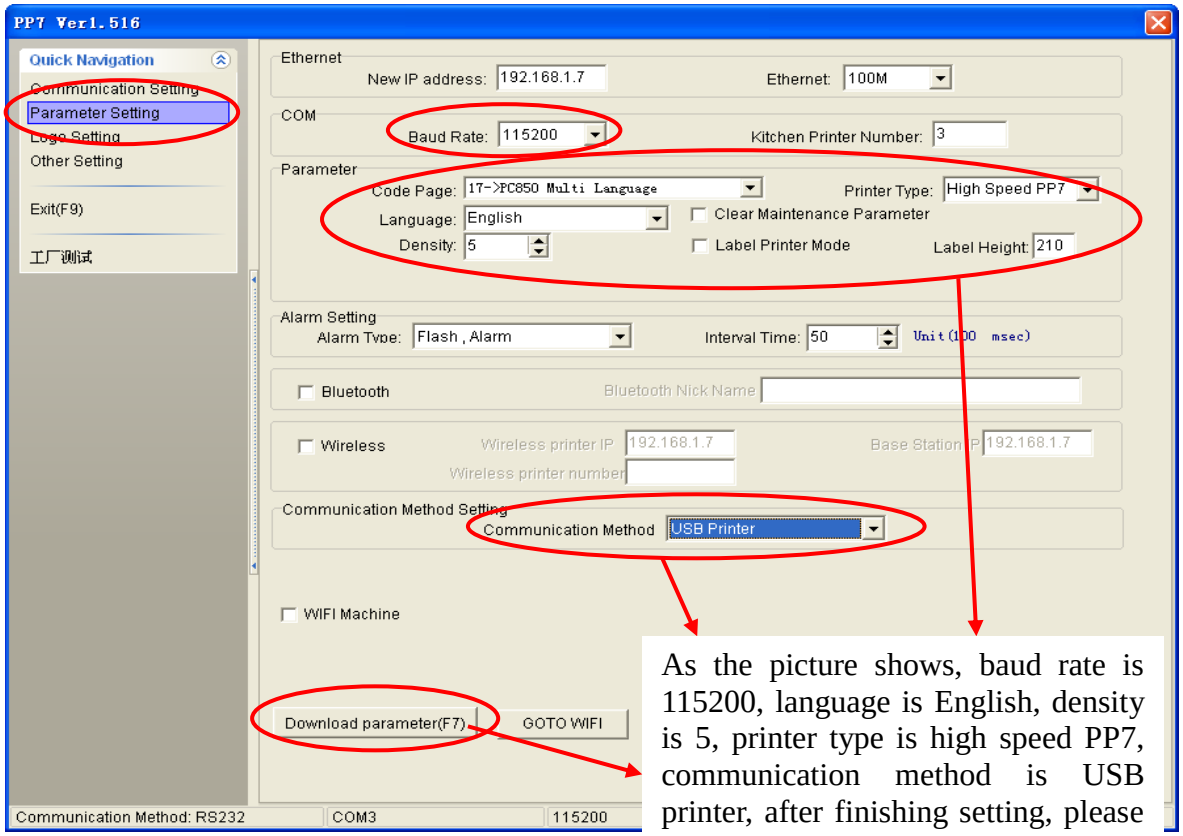
If you want to return to use USB function, you can follow the following steps:

First, insert serial cable into the computer, click “my computer ” and choose “device manager”, find the port number(note: port number should be the same as the one that shown on the computer), here the COM port is COM3







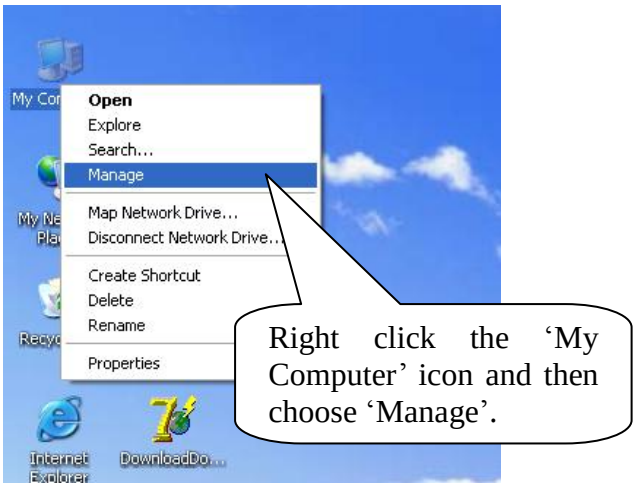


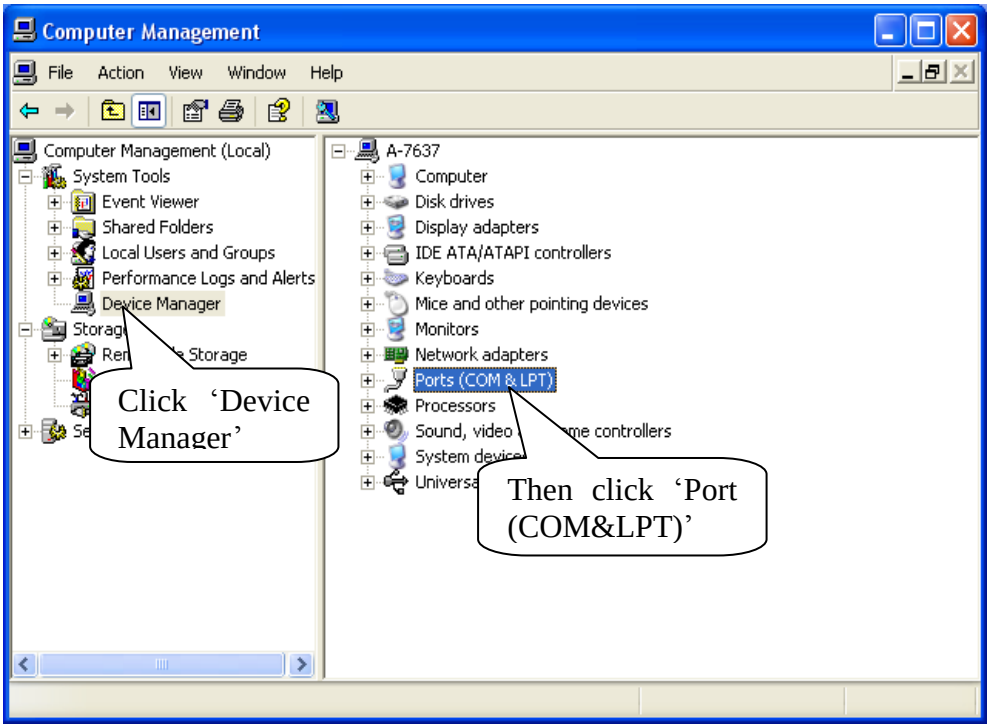
As the picture shows, baud rate is 115200, language is English, density is 5, printer type is high speed PP7, communication method is USB printer, after finishing setting, please click download parameter.

According to the prompts, the printer will give a hint after the success of downloading, and then the printer will restart automatically. Finally, you can insert the USB, at that time, the function of printer USB can be reused again.

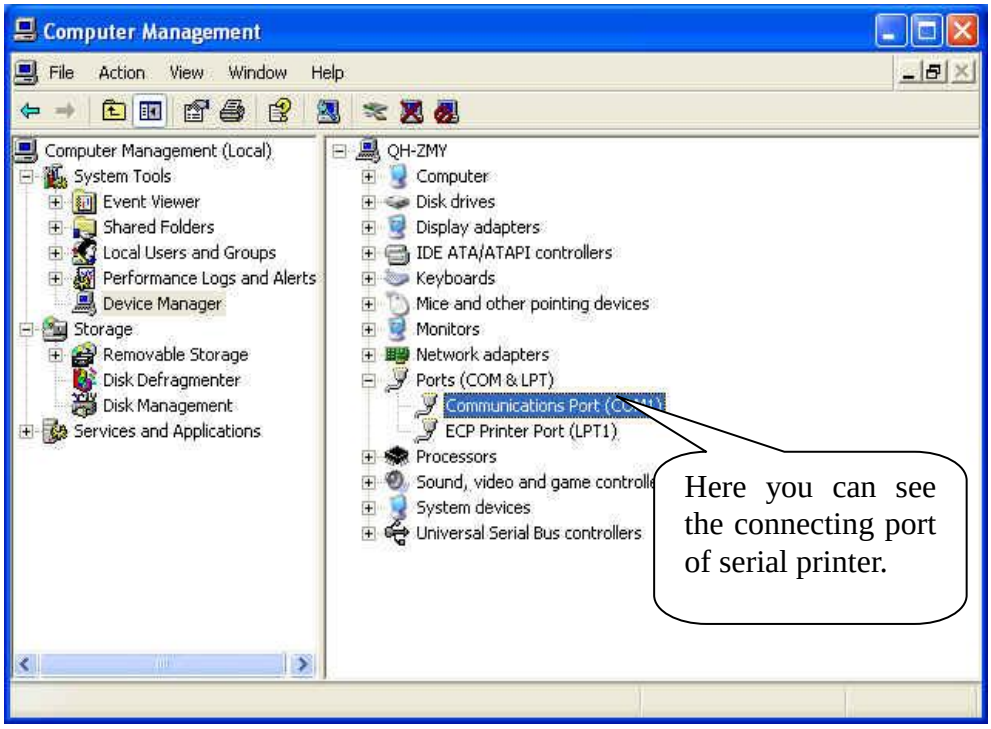
1.2. How to Know The Connect Port

Connect the PP7X to the computer, follow steps below to know which port is connected.
Right click ‘My Computer’ icon on the desktop, and choose ‘Manage’:

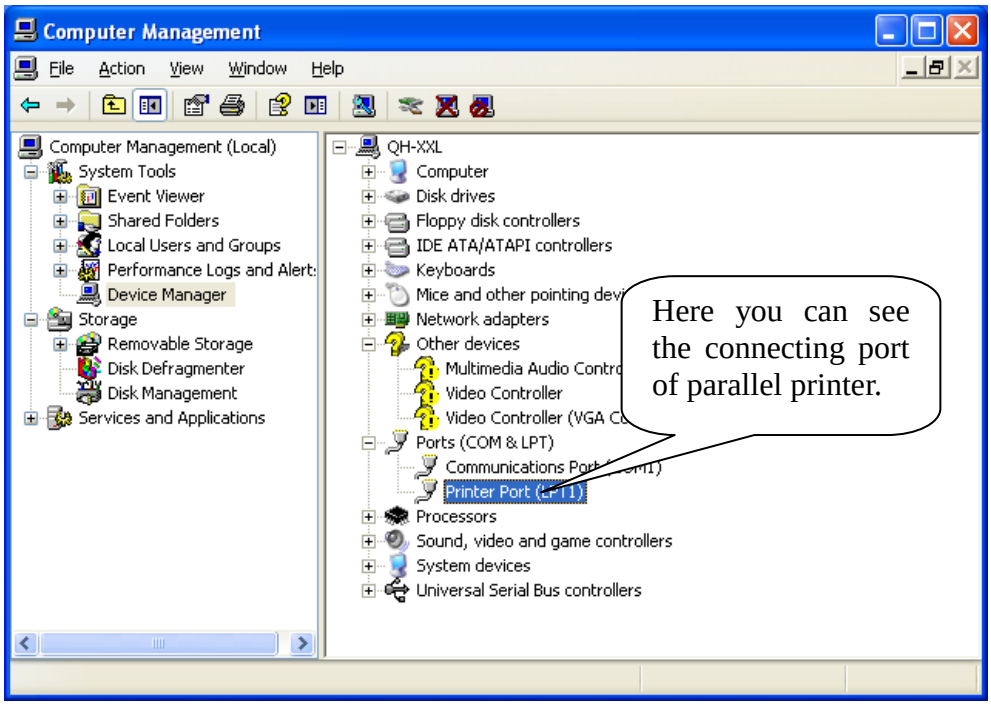




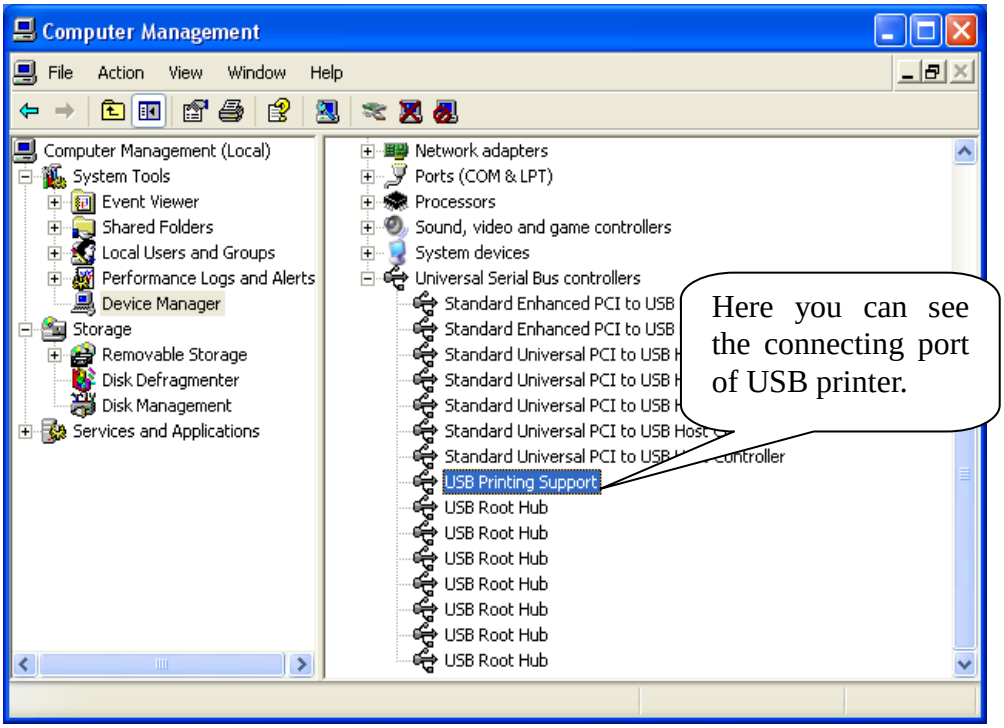
Serial printer connect port:



Parallel printer connect port:



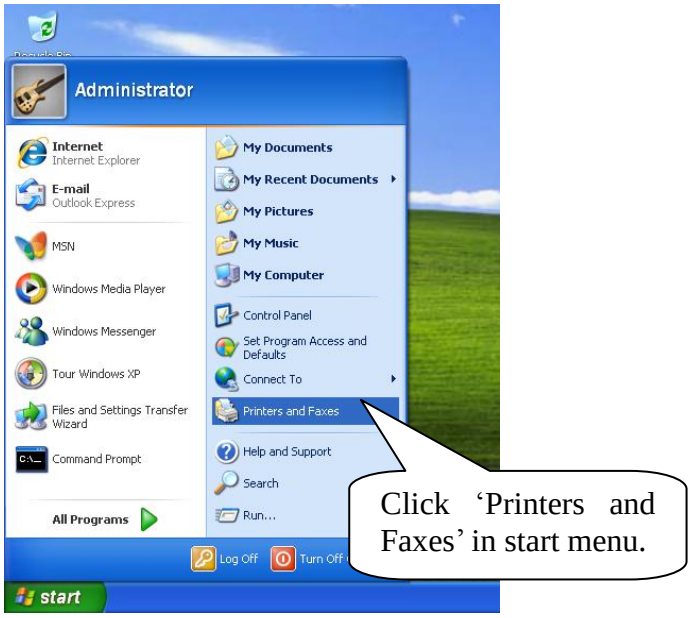
USB printer connect port:

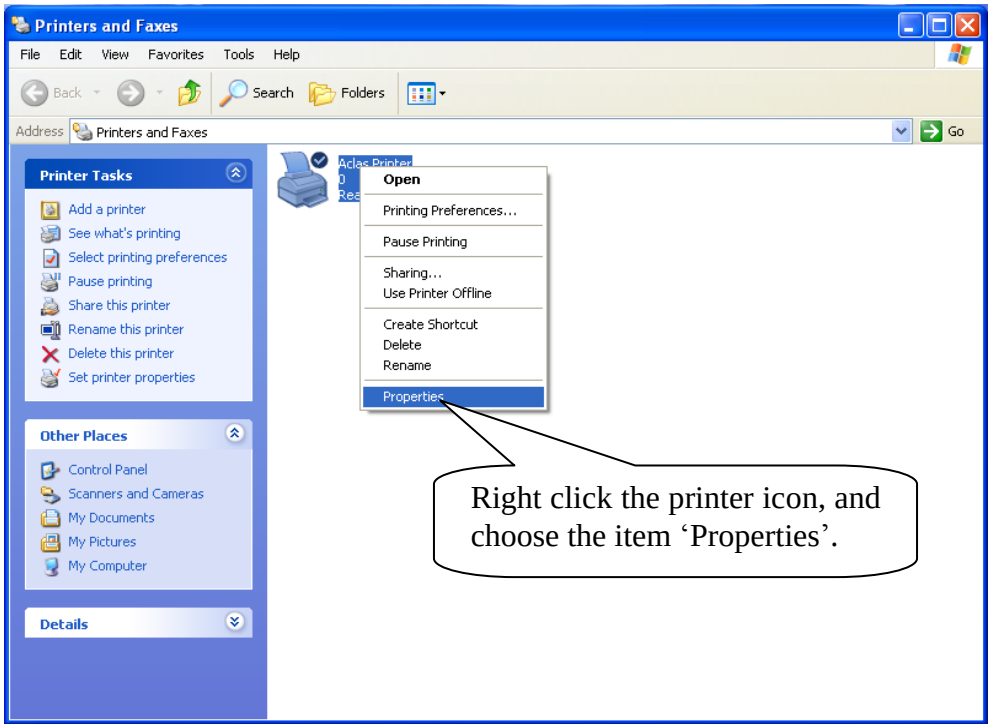


1.3. How to Config Connect Port

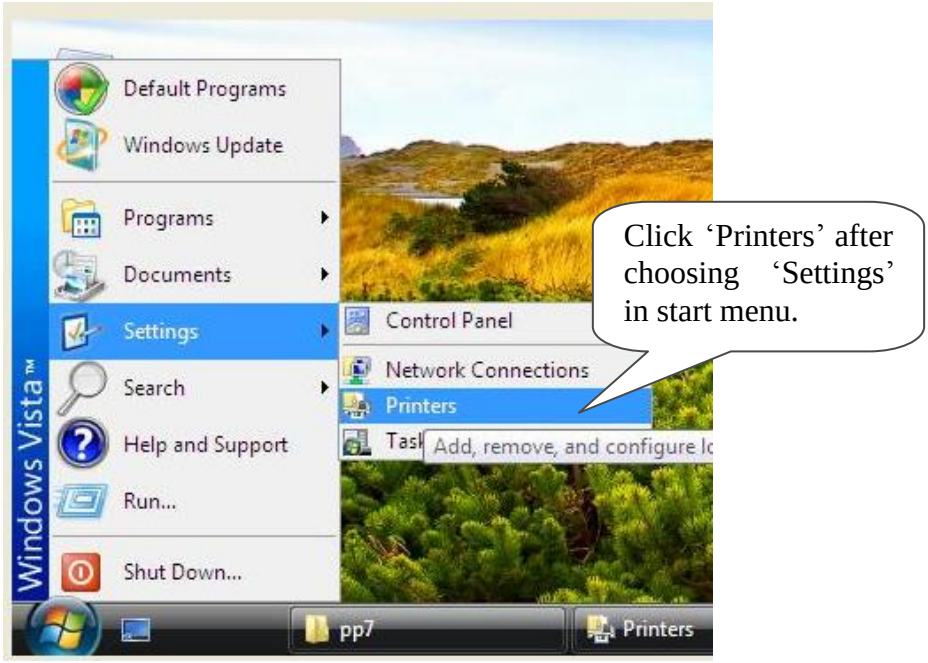
Step1: Enter 'properties' interface of the printer first to configure port after knowing the connecting port.

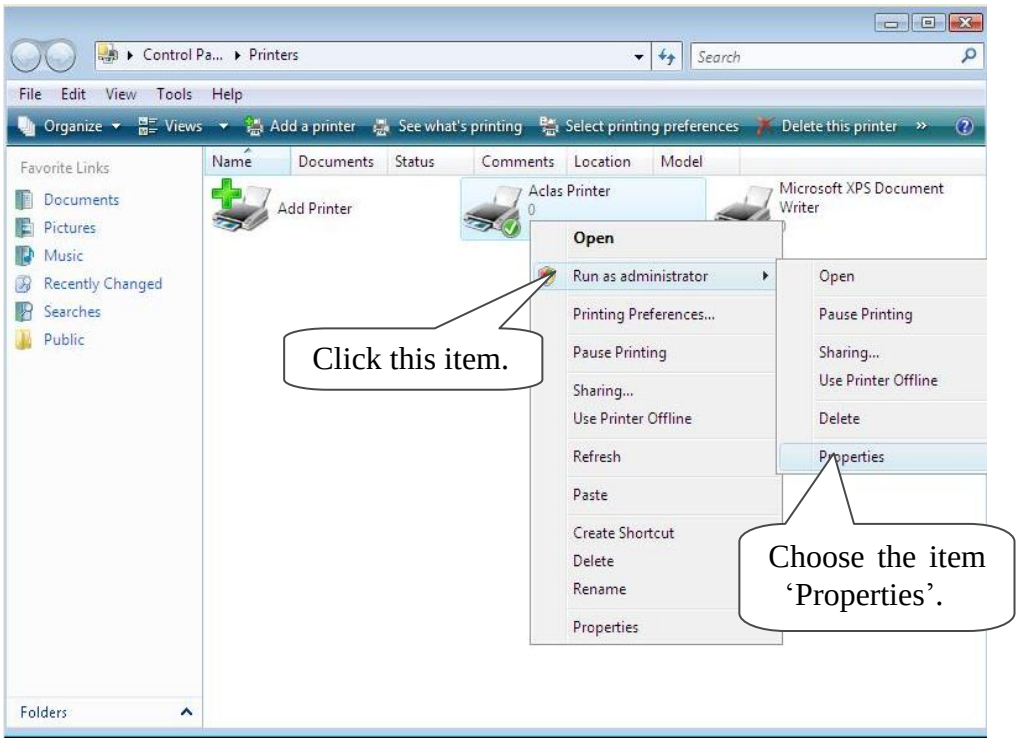
- If your PC is installed with Windows XP system, please follow the below steps to enter 'properties' interface of the printer.



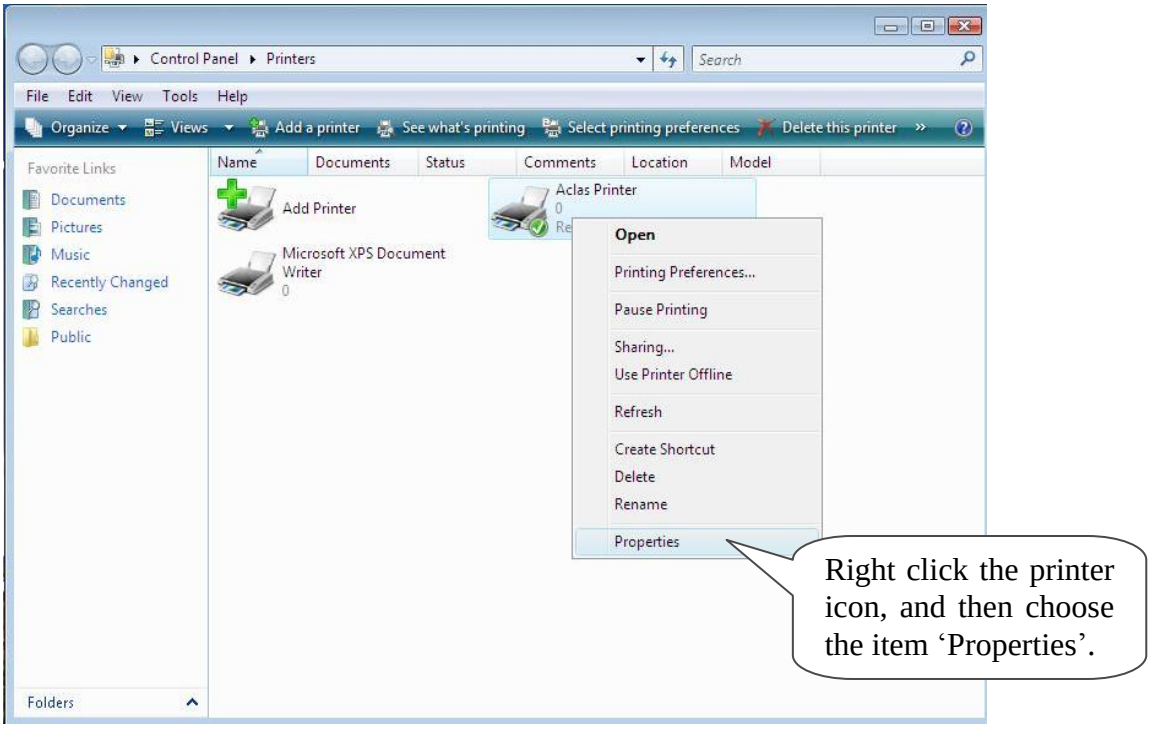


➢ If your PC is installed with Vista system, please follow the below steps to enter 'properties' interface.

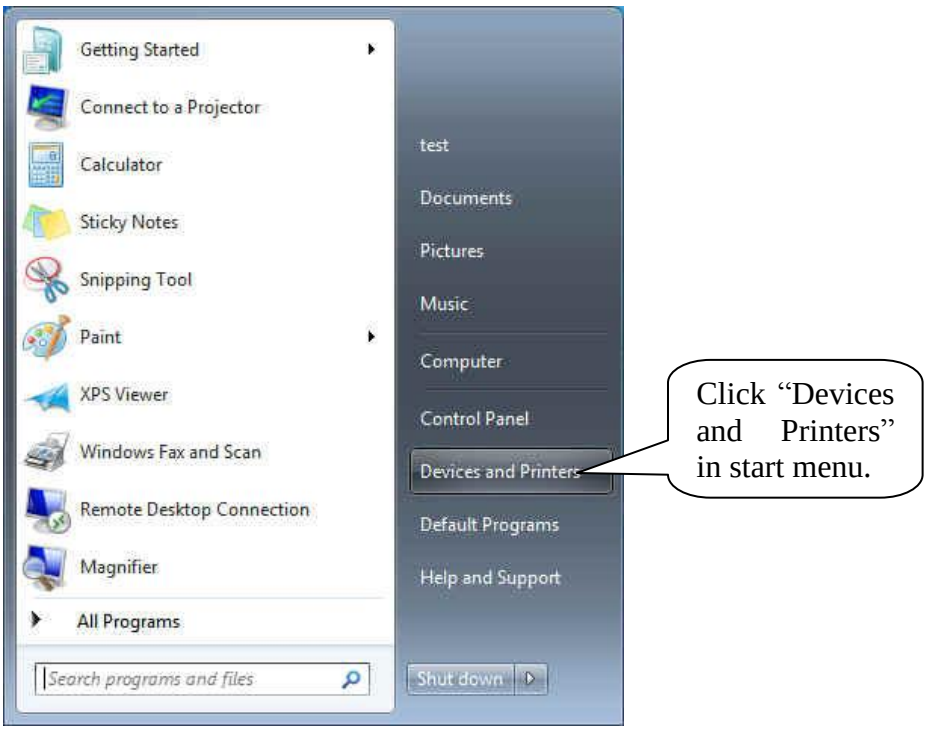


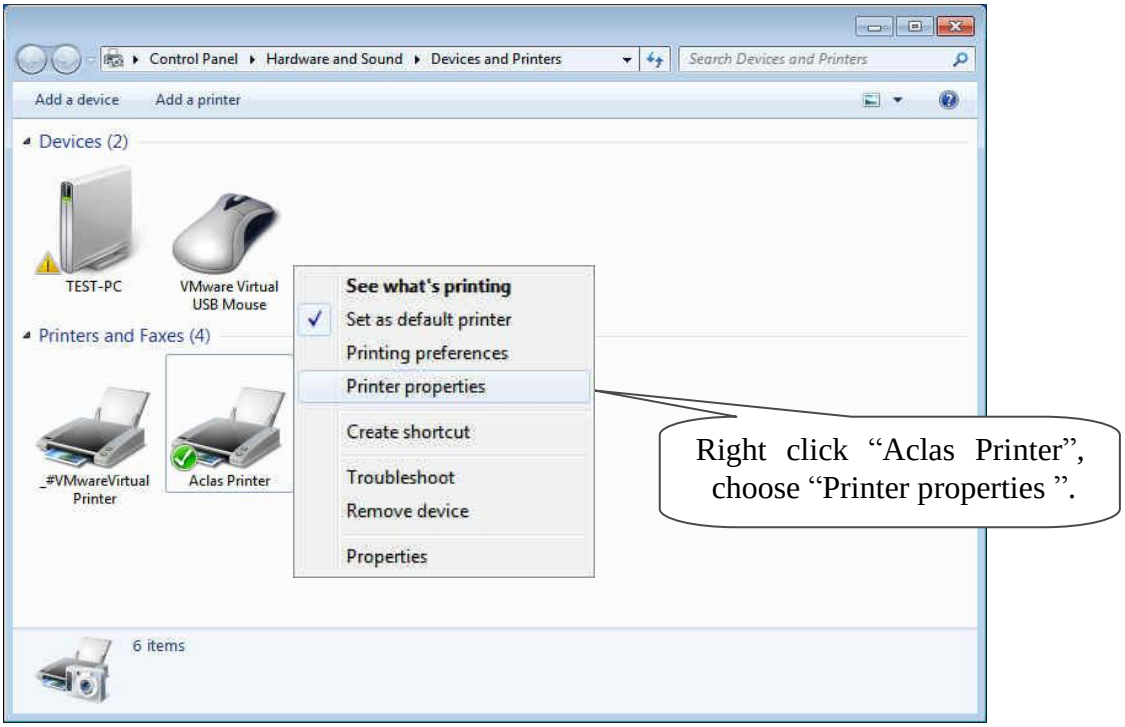


Note: If you are not allowed to access to run as the administrator, please choose the item 'properties' directly after entering the Printer interface, as the window below:



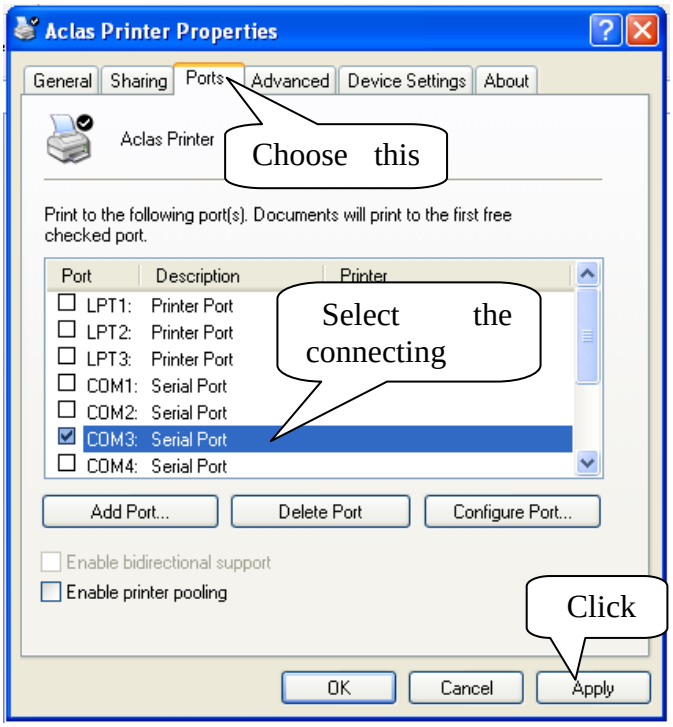
- If your PC is installed with WIN7 system, please follow the below steps to enter 'properties' interface.





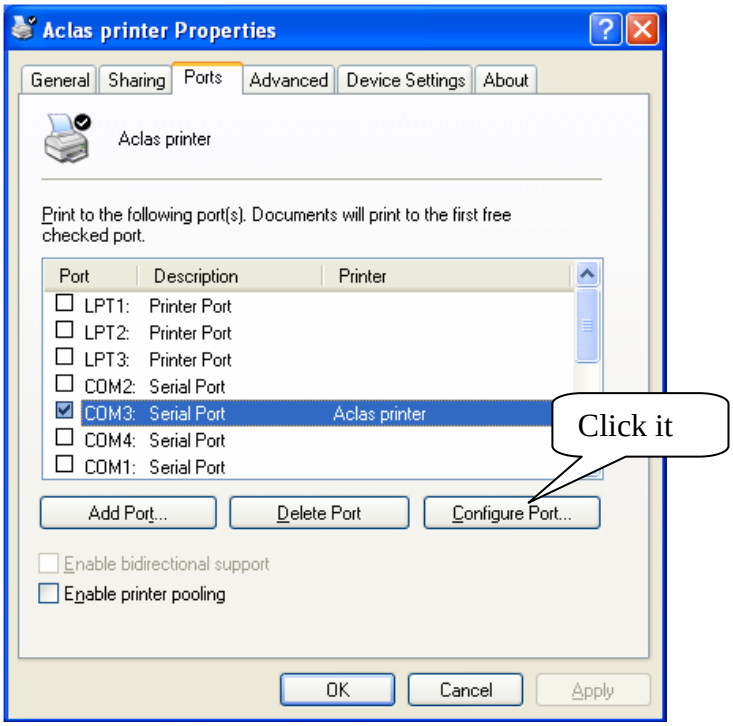
Step 2: Choose connecting port

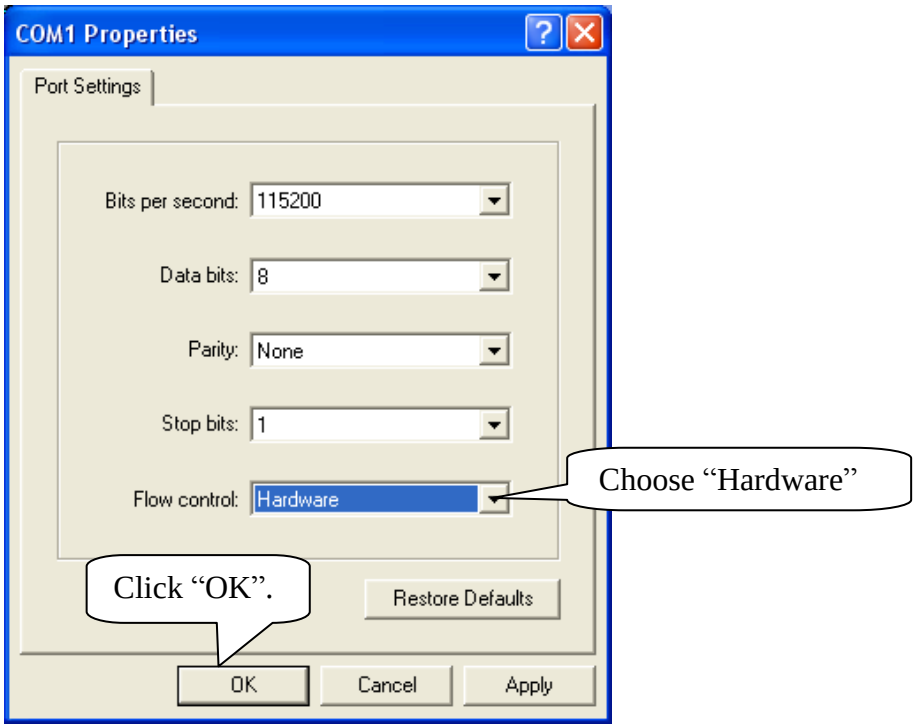
Choose the connecting port that you have known from Chapter 1.2. For example, the connecting port of the USB printer known from Chapter 1.2 is COM3, so you should choose COM3 in the following interface. Take the port configuration of USB printer in Windows XP system as an example:



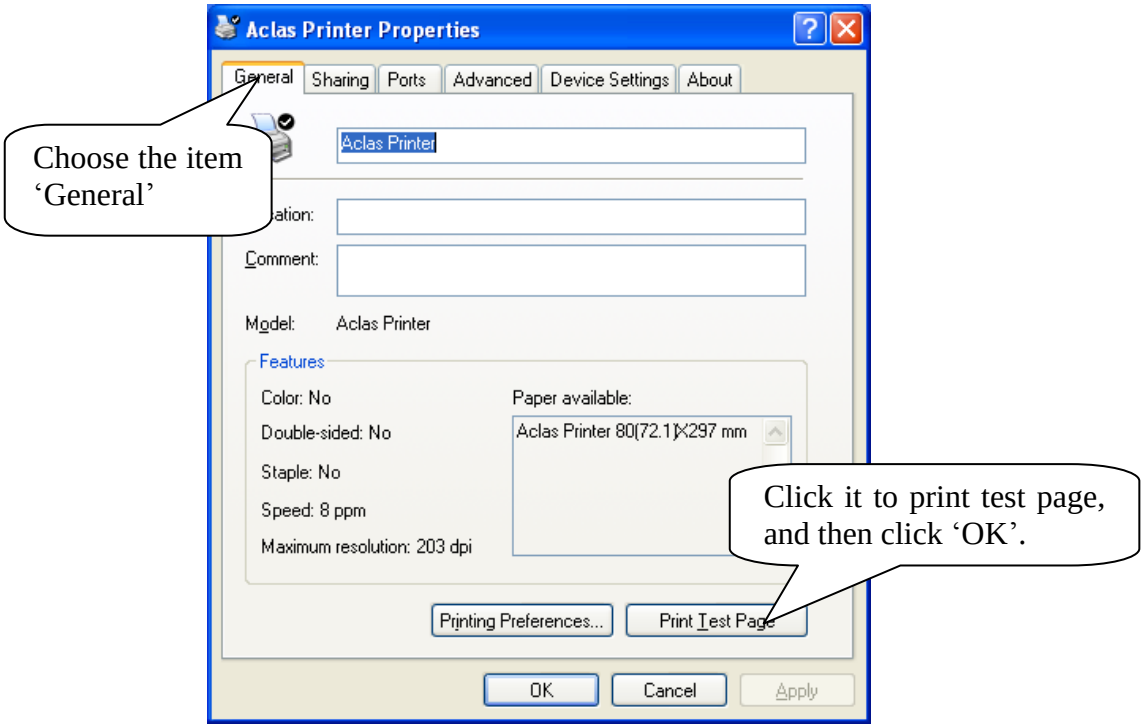
Step 3: Configure port

Note: Parallel printers and USB could skip this step, and go to step 4 directly.





Step 4: finish port configuration

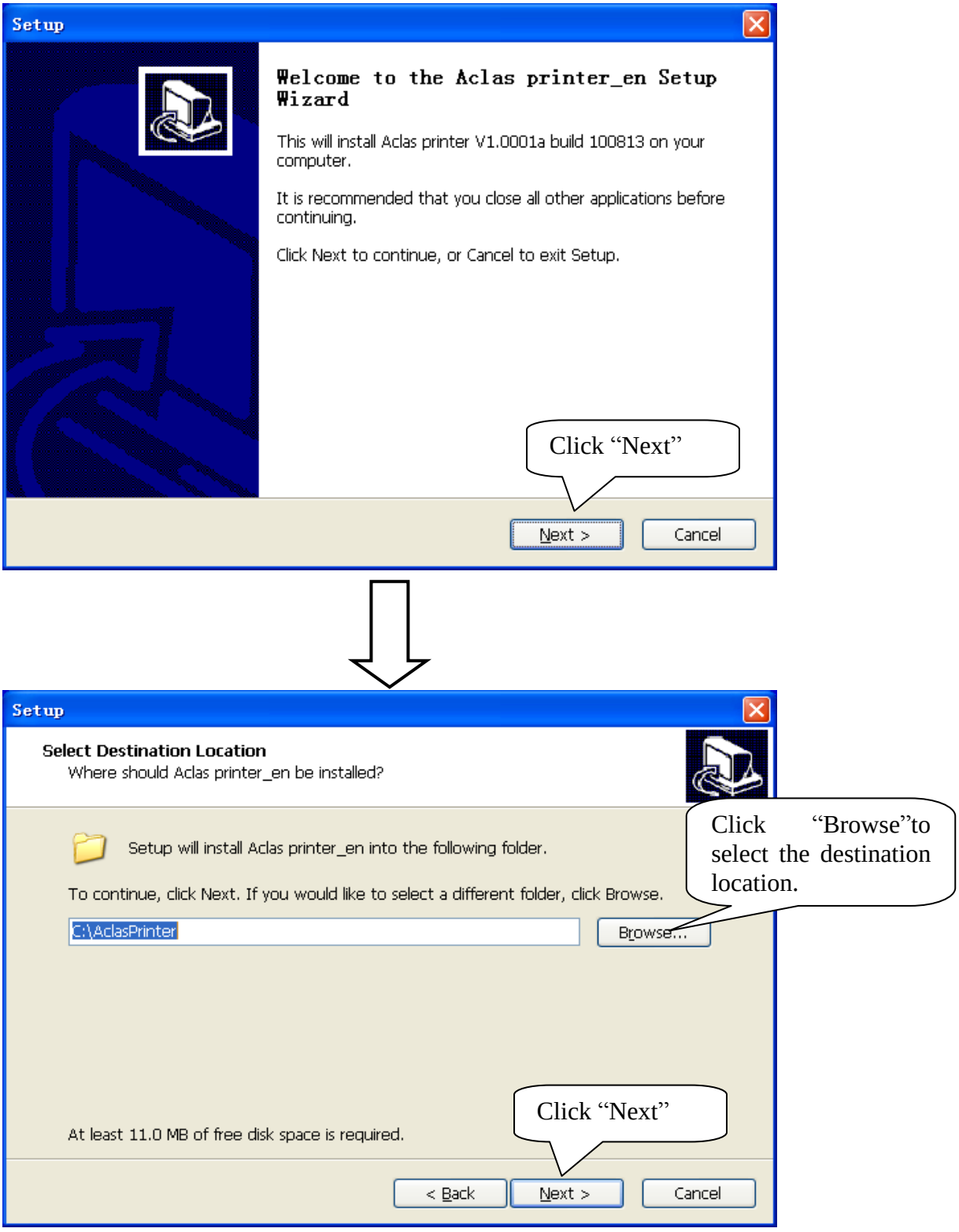


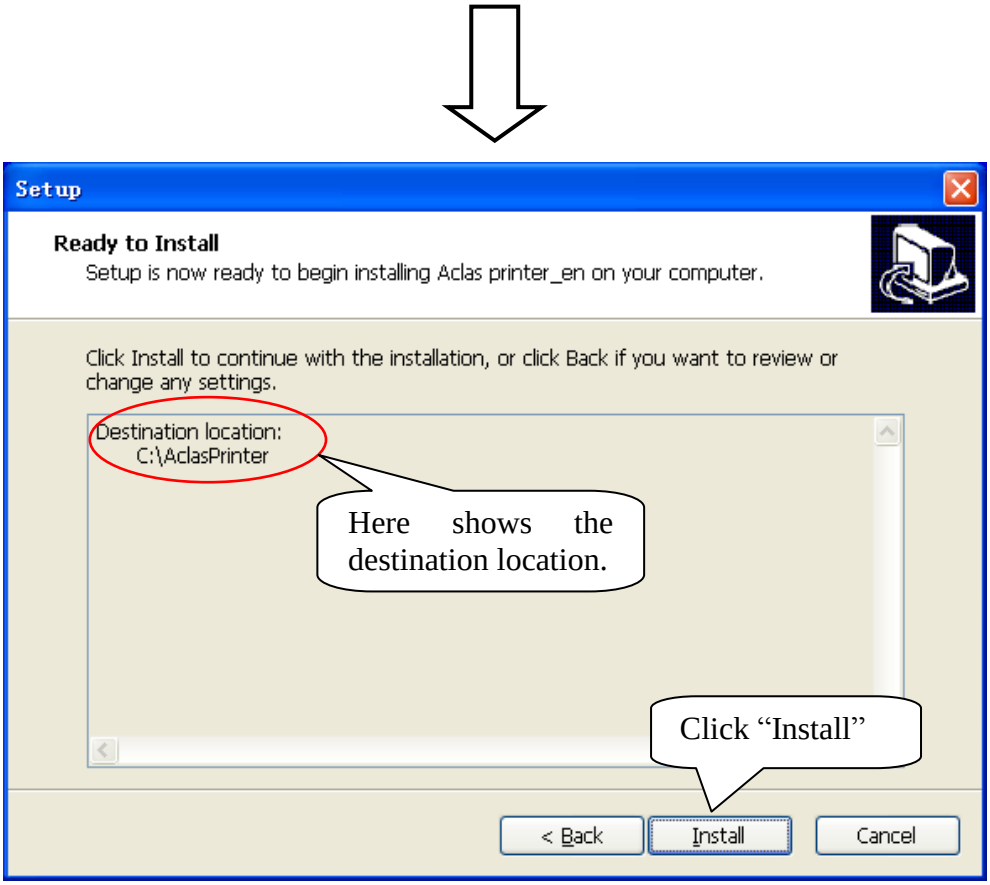
2. BT Printer Driver Installation

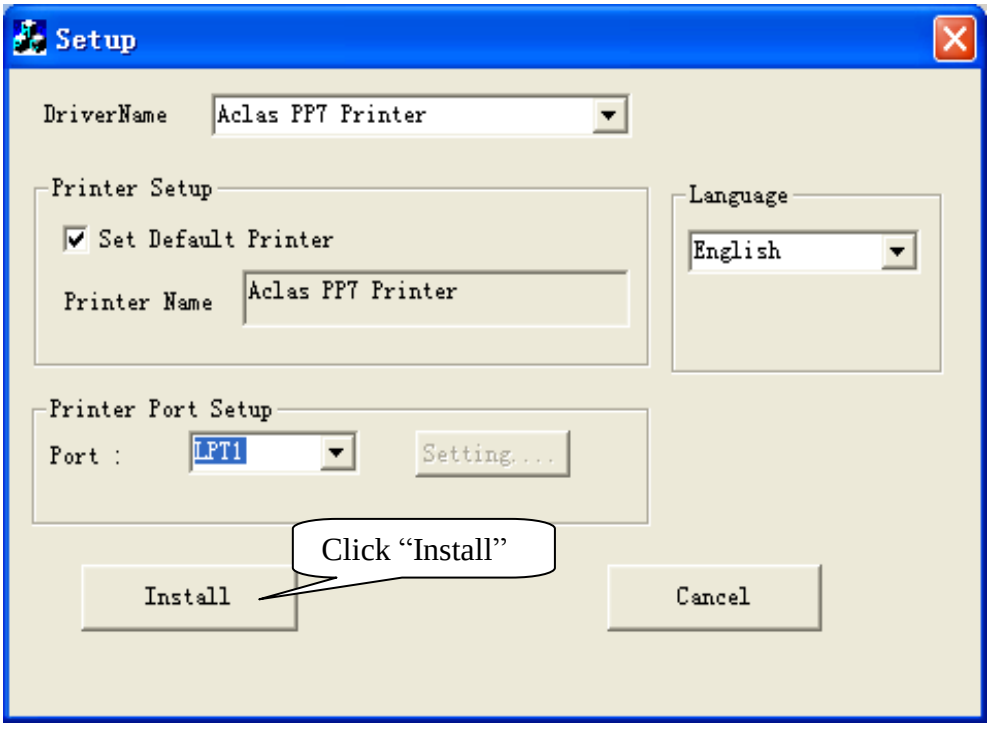
The communication distance of PP7 blue tooth printer is up to 10m without obstacle.

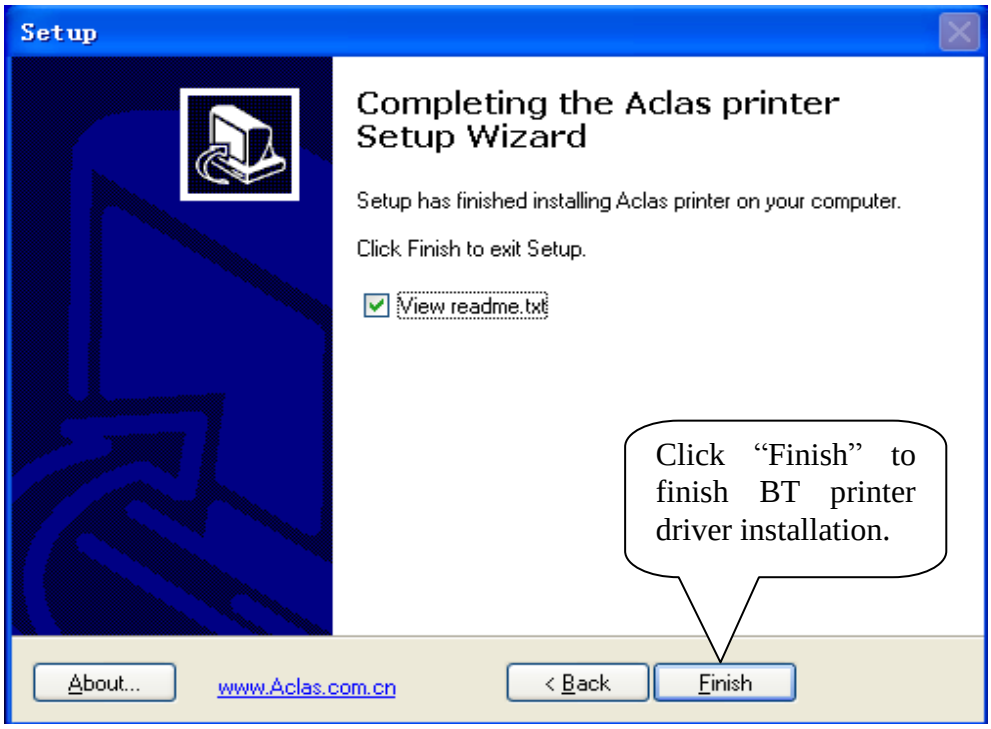
2.1. BT Printer Driver Installation

Connect the PP7X to PC, double click the file ‘Aclas printer.exe’ in the folder ‘Aclas Printer’ to install the printer driver.




Setup
Ready to Install
Setup is now ready to begin installing Aclas printer_en on your computer.
Click Install to continue with the installation, or click Back if you want to review or change any settings.
Destination location:
C:\AclasPrinter
Here shows the destination location.
Click “Install”
< Back
Install
Cancel


Setup
DriverName
Aclas PP7 Printer
Printer Setup
Set Default Printer
Printer Name
Aclas PP7 Printer
Language
English
Printer Port Setup
Port :
LPT1
Setting...
Click “Install”
Install
Cancel



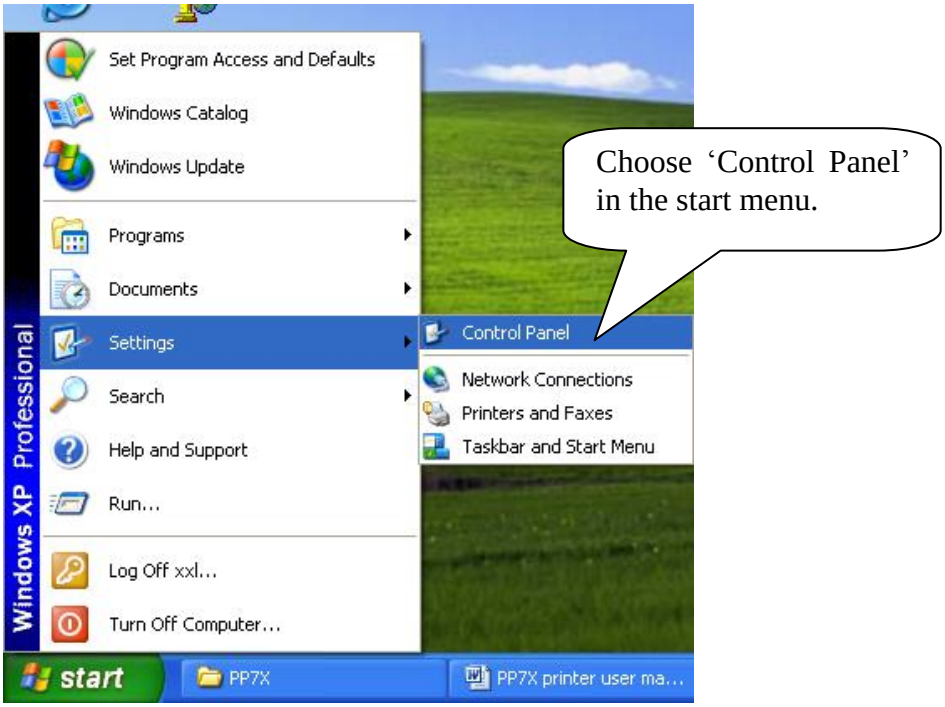
2.2. BT Dongle Driver Installation

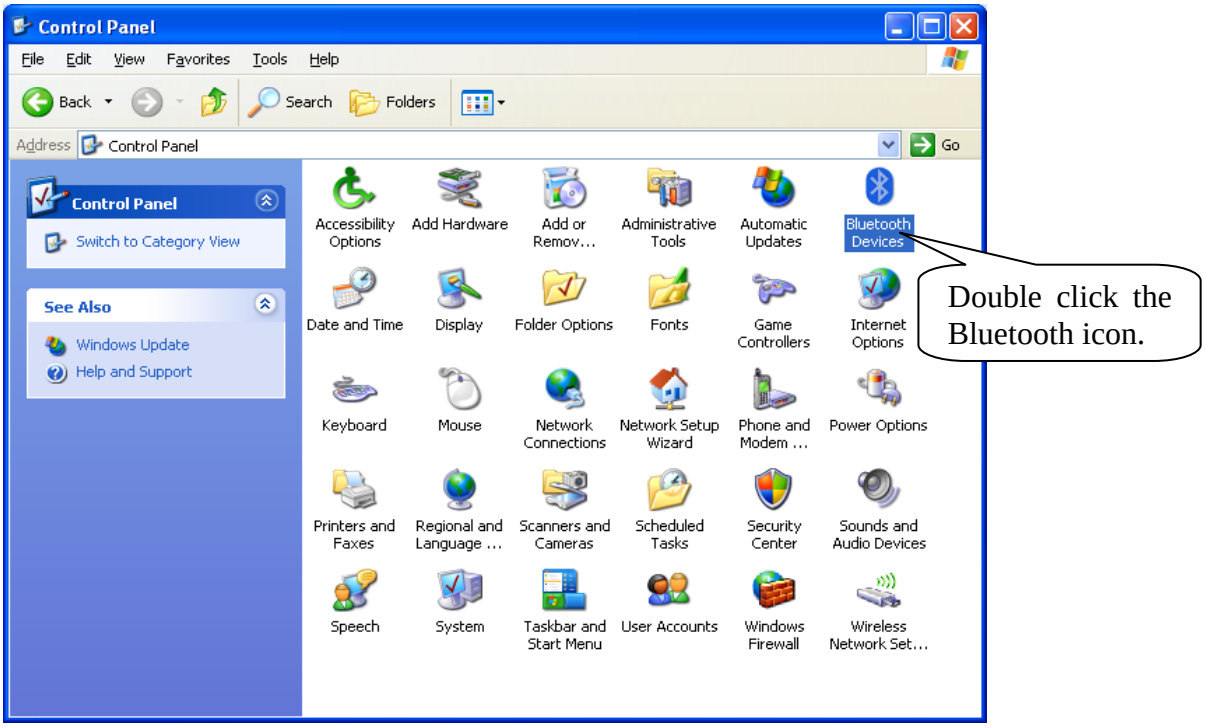
To connect PP7 blue tooth printer to PC, users may buy an Aclas BT dongle to enable PC with blue tooth function.

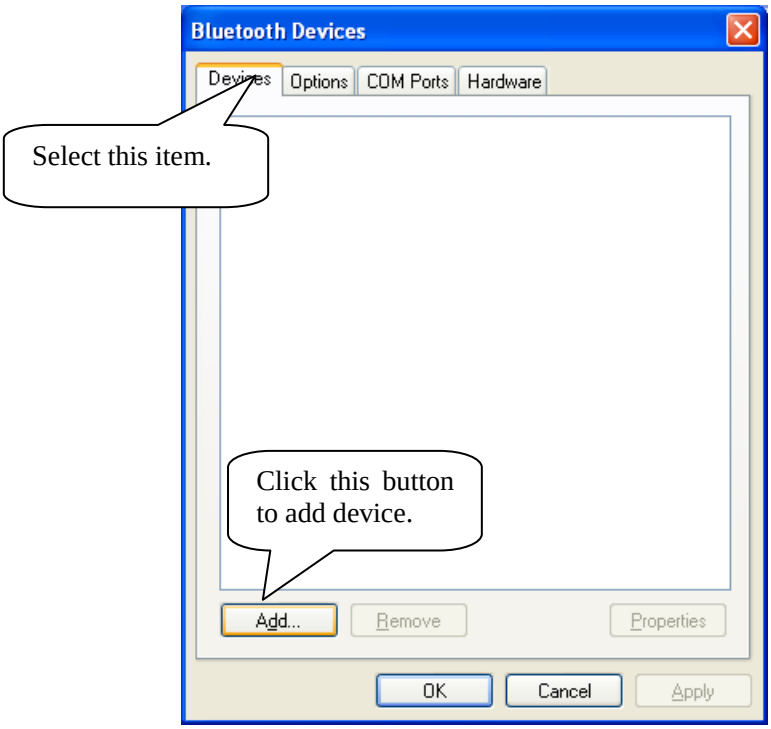
The advantage of the Aclas BT dongle is: it could quickly find the surrounding BT devices that will be matched with rather than costing a long time to search the device.

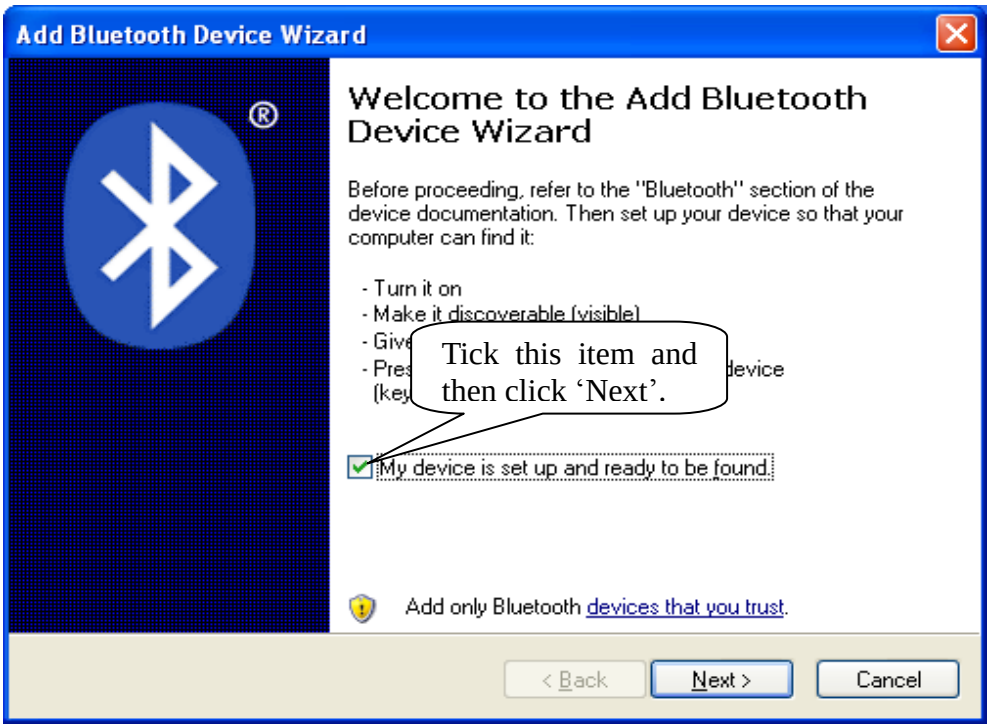
This method is suitable for windows XP/VISTA OS.

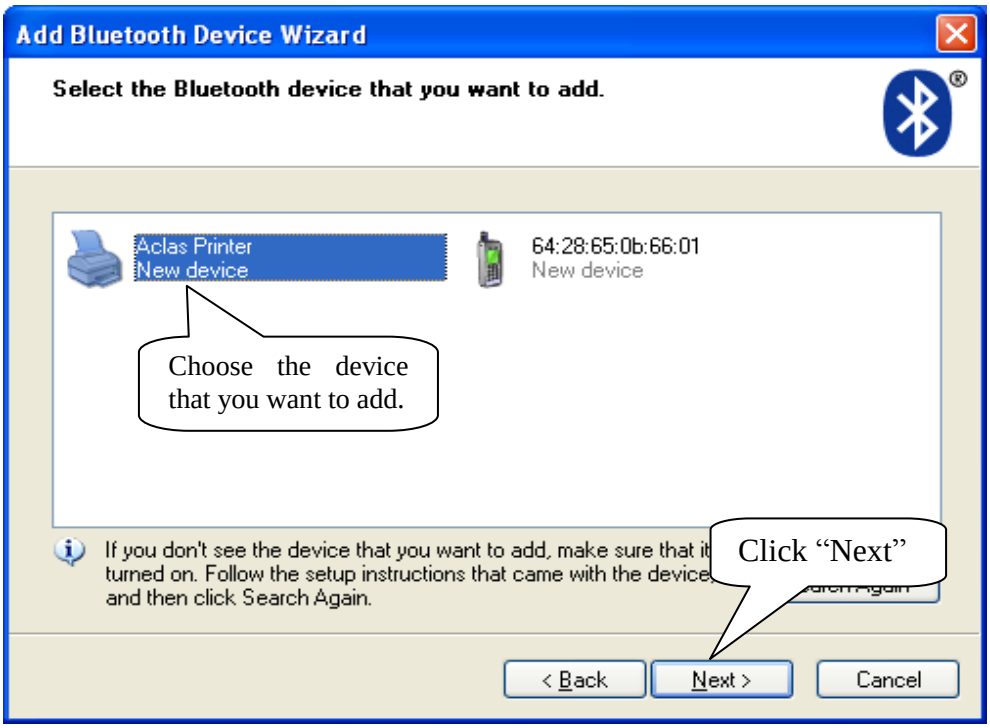
Insert the BT dongle into the USB port of PC. The lower right corner of screen will show the icon , double click it. You can find the Bluetooth icon on the Control Panel in a few seconds as the following picture.

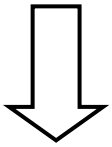

Set Program Access and Defaults
Windows Catalog
Windows Update
Programs
Documents
Settings
Search
Help and Support
Run...
Log Off xxl...
Turn Off Computer...
Windows XP Professional
Control Panel
Network Connections
Printers and Faxes
Taskbar and Start Menu
start
PP7X
PP7X printer user ma...
Choose 'Control Panel' in the start menu.

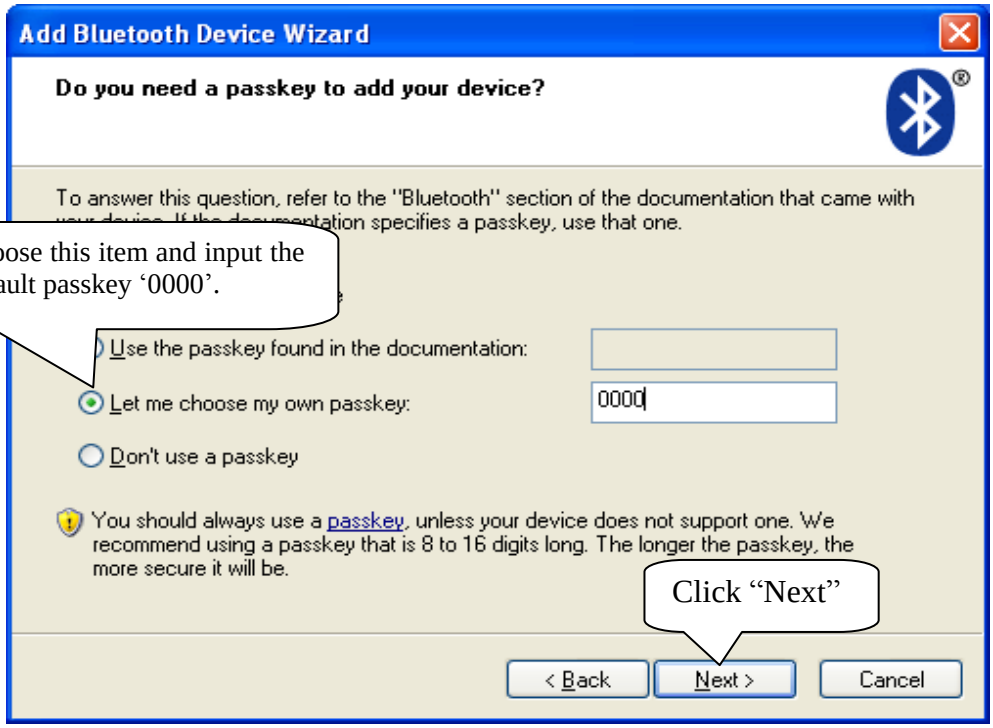

Control Panel
File Edit View Favorites Tools Help
Back Search Folders
Address Control Panel
Go
Control Panel
Switch to Category View
See Also
Windows Update
Help and Support
Accessibility Options
Add Hardware
Add or Remov...
Administrative Tools
Automatic Updates
Bluetooth Devices
Date and Time
Display
Folder Options
Fonts
Game Controllers
Internet Options
Keyboard
Mouse
Network Connections
Network Setup Wizard
Phone and Modem ...
Power Options
Printers and Faxes
Regional and Language ...
Scanners and Cameras
Scheduled Tasks
Security Center
Sounds and Audio Devices
Speech
System
Taskbar and Start Menu
User Accounts
Windows Firewall
Wireless Network Set...
Double click the Bluetooth icon.

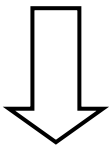

Bluetooth Devices
Devices
Options
COM Ports
Hardware
Select this item.
Click this button to add device.
Add...
Remove
Properties
OK
Cancel
Apply


Add Bluetooth Device Wizard
Welcome to the Add Bluetooth Device Wizard
Before proceeding, refer to the "Bluetooth" section of the device documentation. Then set up your device so that your computer can find it:
- Turn it on
- Make it discoverable (visible)
Tick this item and then click 'Next'.
My device is set up and ready to be found.
Add only Bluetooth devices that you trust.
< Back
Next >
Cancel


Add Bluetooth Device Wizard
Select the Bluetooth device that you want to add.
Aclas Printer
New device
64:28:65:0b:66:01
New device
Choose the device that you want to add.
If you don't see the device that you want to add, make sure that it
turned on. Follow the setup instructions that came with the device
and then click Search Again.
Click “Next”
< Back
Next >
Cancel



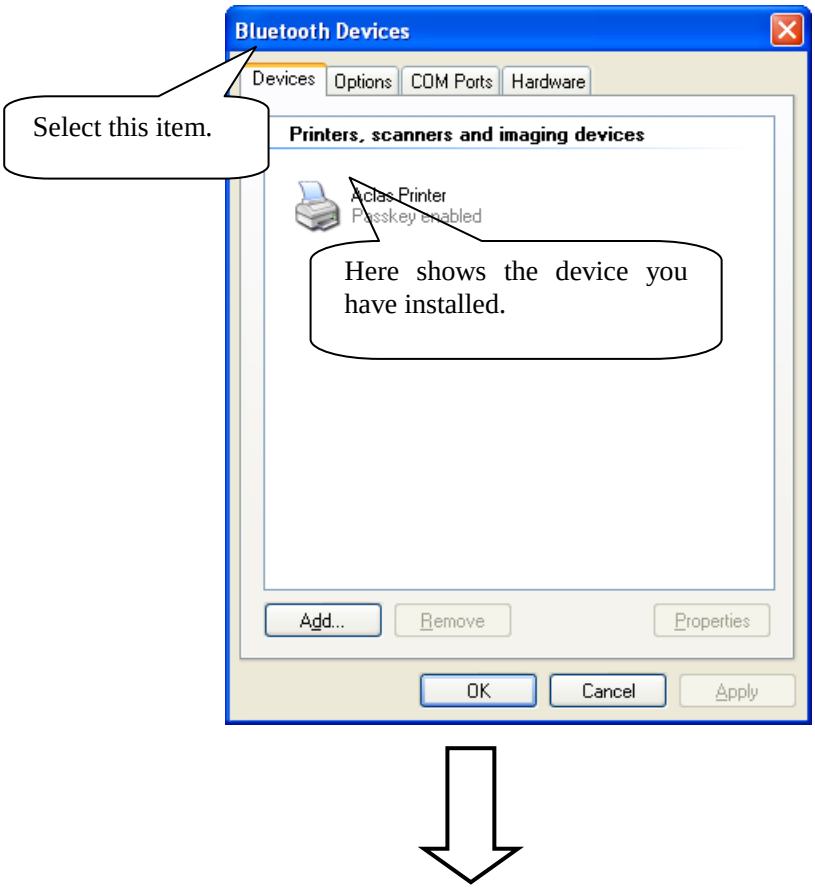

Add Bluetooth Device Wizard
Do you need a passkey to add your device?
To answer this question, refer to the "Bluetooth" section of the documentation that came with
tation specifies a passkey, use that one.
Choose this item and input the default passkey ‘0000’.
Use the passkey found in the documentation:
Let me choose my own passkey:
0000
Don't use a passkey
You should always use a passkey, unless your device does not support one. We recommend using a passkey that is 8 to 16 digits long. The longer the passkey, the more secure it will be.
Click “Next”
< Back
Next >
Cancel

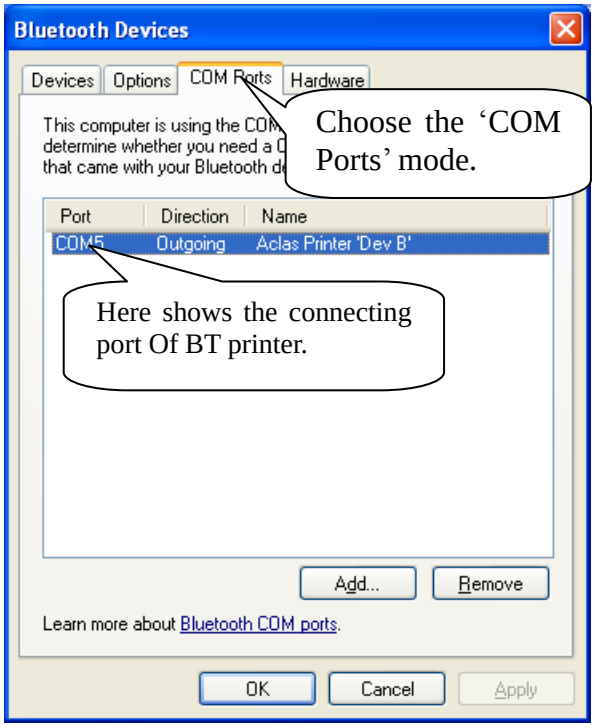


2.3. How to know the connect port

After installing the driver, you can follow the steps below to know which port is connected.

Double click the icon .





2.4. How to Config Connect Port

Please refer to Chapter 1.3 "How to config port" for the detail of connect port configuration.

3. Wireless 2.4G/Wireless 433 Printer Driver Installation

The communication distance: PP7 wireless 433 printers are up to 100m without obstacle
PP7 wireless 2.4G printers are up to 10m without obstacle

PP7X printers of this model are able to communicate with PC by two ways, via 433MHz Base Station or 2.4G Dongle. If you use 433MHz Base Station, please refer to Chapter 3.2; if use 2.4G Dongle, please refer to Chapter 3.3.

3.1. Wireless Printer Driver Installation

Note: The working baudrate of wireless 433 printer is '9600', its printing speed is relatively lower. It had better not use driver printing, we suggest that you adopt command print.

Please refer to **chapter 2.1 "BT Printer Driver Installation"** for the detail of the wireless printer driver installation.

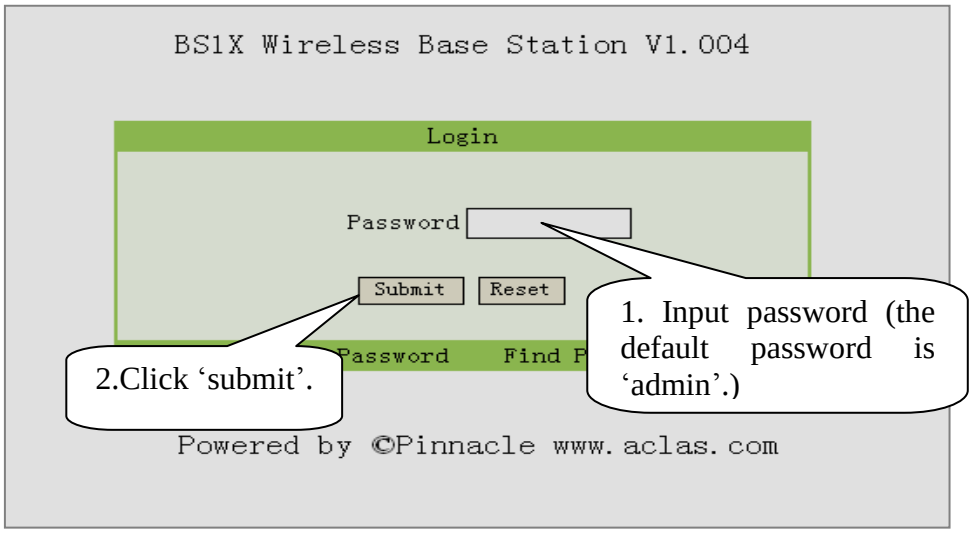
3.2. Wireless 433 Base Station

- **Wireless Printer Setting:**

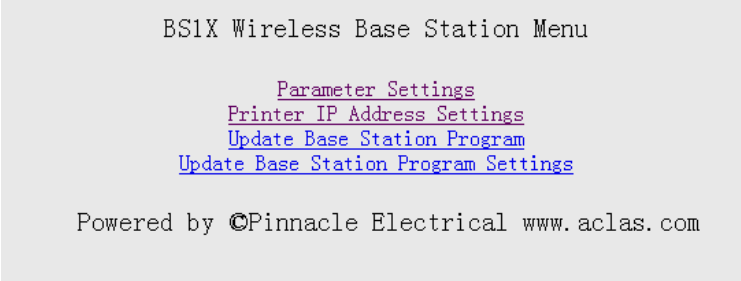
If printer needs to communicate with PC through base station, the following operation should be carried out.

1. Power on BS via power supply adaptor, the power indicator light lightened.
2. Connect BS with PC via Ethernet.

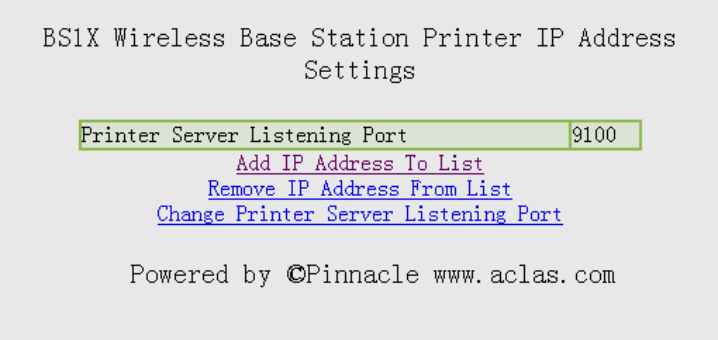
3. Double click ‘Internet Explorer’ on your PC desktop, input Base Station IP ‘192.168.1.14’, and then press [Enter] on your keyboard, system displays as follows:



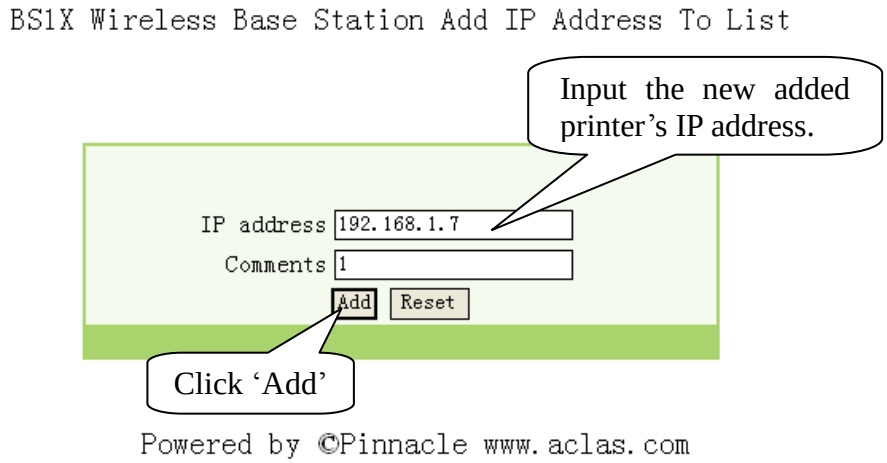
4. Enter ‘station menu’ interface, choose ‘Printer IP Address Settings’ item:



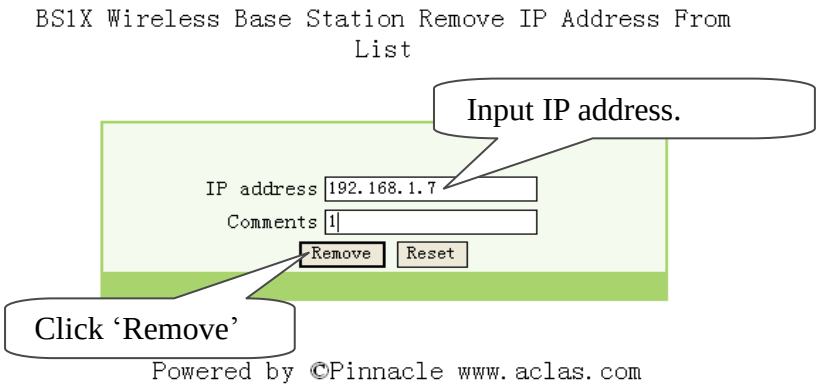
Add, Remove, or Change printer server listening port in the interface as below:



If choose ‘Add IP Address To List’ to add printer, please input the new added printer’s ‘IP address’ and ‘comments’, and click ‘add’.



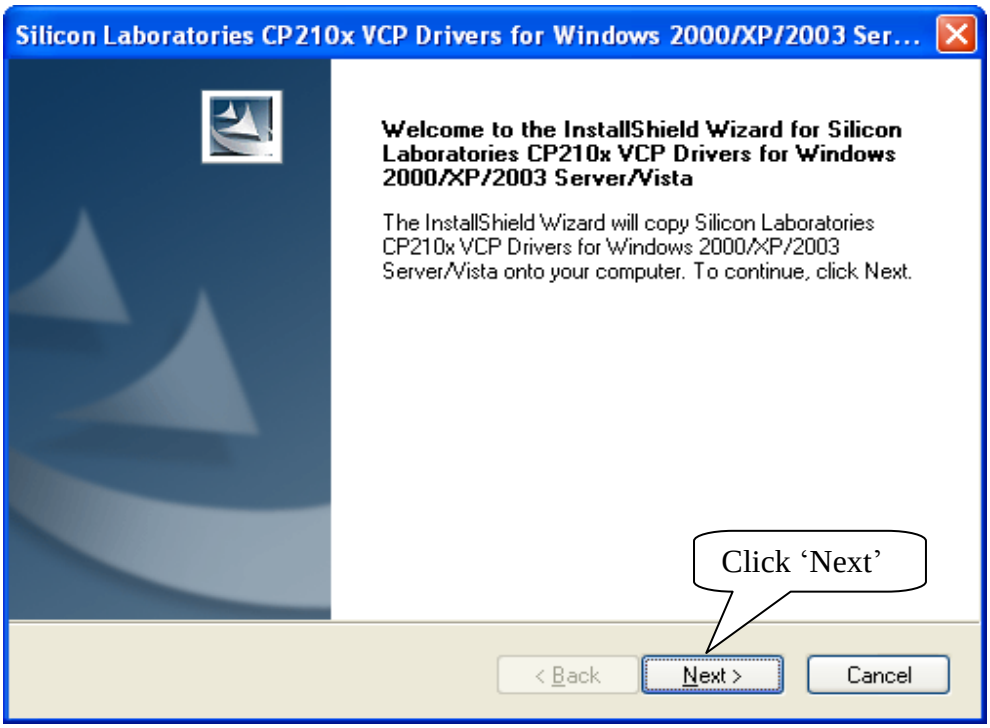
If you choose ‘Remove IP Address From List’, please input the new added printer’s IP address or comments, and click ‘Remove’; if you need to delete IP address, please click ‘Reset’.

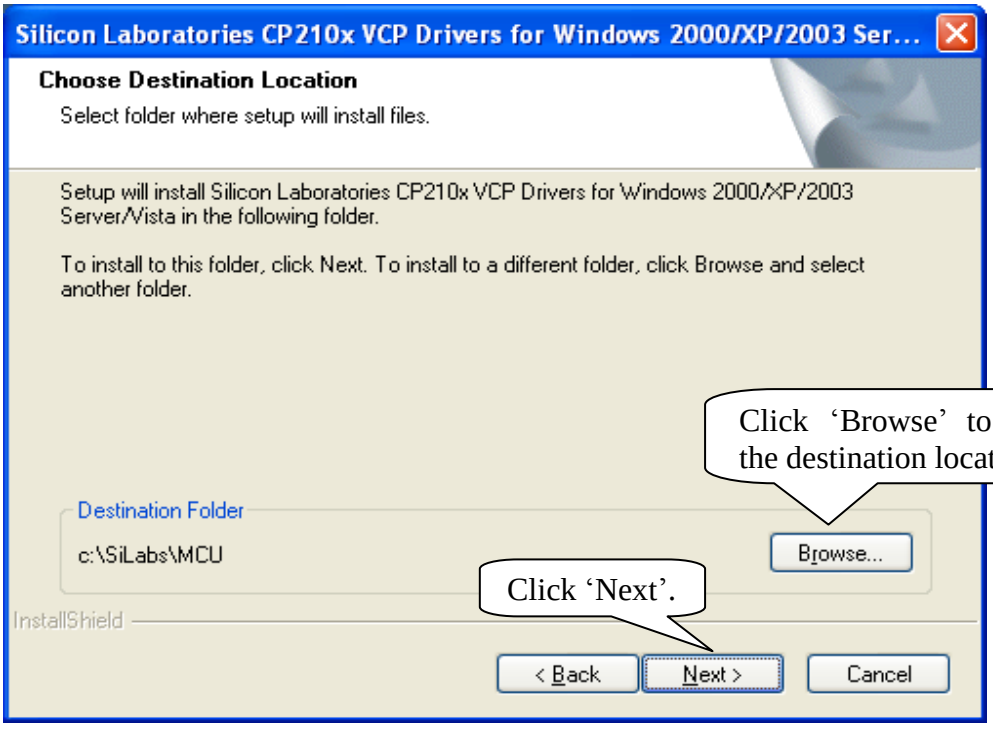


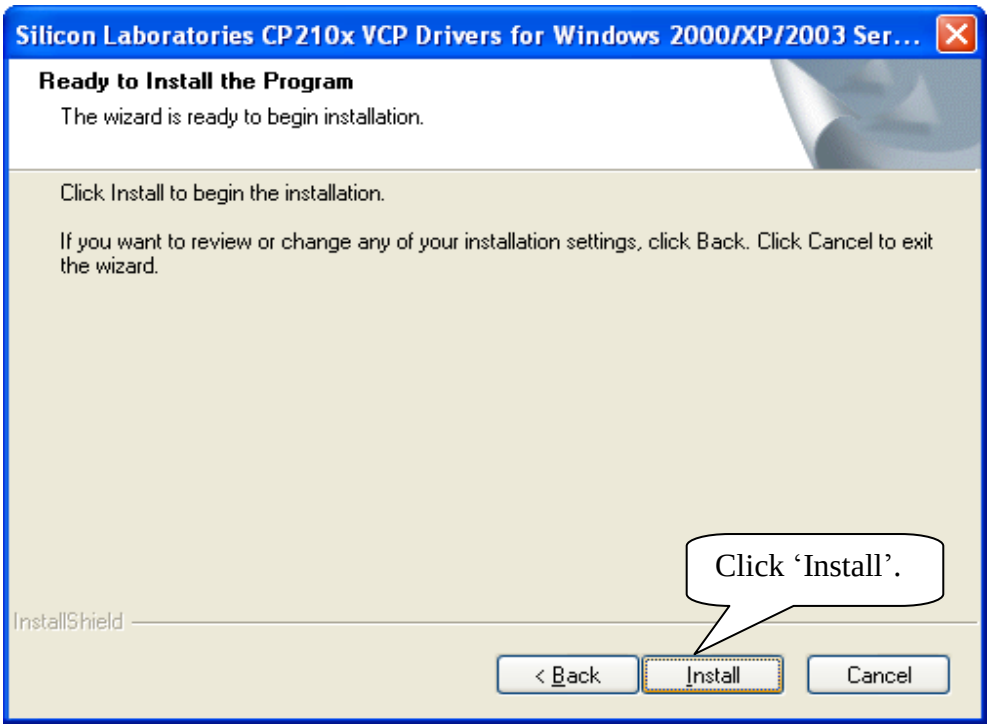
3.3. Wireless 433 USB Dongle/2.4G

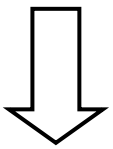
3.3.1. USB Dongle Driver Installation

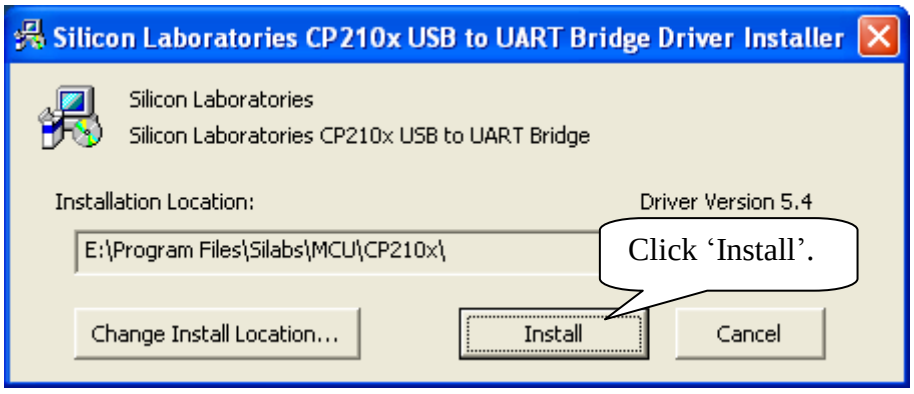
You can install the USB dongle driver after you install printer driver.
Double-click file *CP210x_VCP_Win2K_XP_S2K3.exe*, pop-up this window:

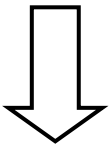

Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Ser...
Welcome to the InstallShield Wizard for Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/Vista
The InstallShield Wizard will copy Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/Vista onto your computer. To continue, click Next.
Click 'Next'
< Back
Next >
Cancel

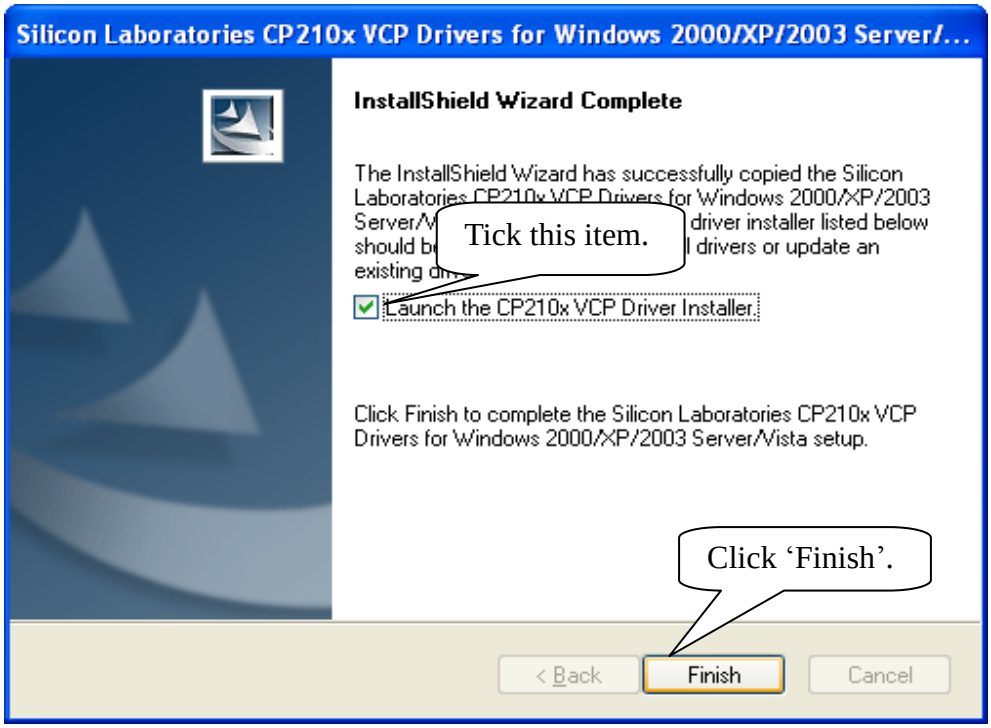

Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Ser...
Choose Destination Location
Select folder where setup will install files.
Setup will install Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/Vista in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Click 'Browse' to select the destination location.
Destination Folder
c:\SiLabs\MCU
Browse...
Click 'Next'.
InstallShield
< Back
Next >
Cancel

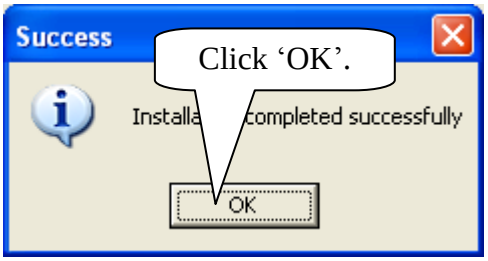

Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Ser...
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
Click 'Install'.
InstallShield
< Back
Install
Cancel




Silicon Laboratories CP210x USB to UART Bridge Driver Installer
Silicon Laboratories
Silicon Laboratories CP210x USB to UART Bridge
Installation Location:
Driver Version 5.4
E:\Program Files\Silabs\MCU\CP210x\
Click 'Install'.
Change Install Location...
Install
Cancel



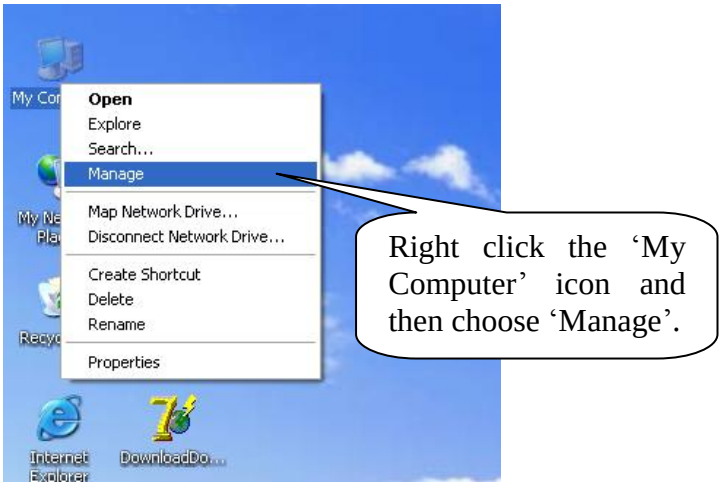


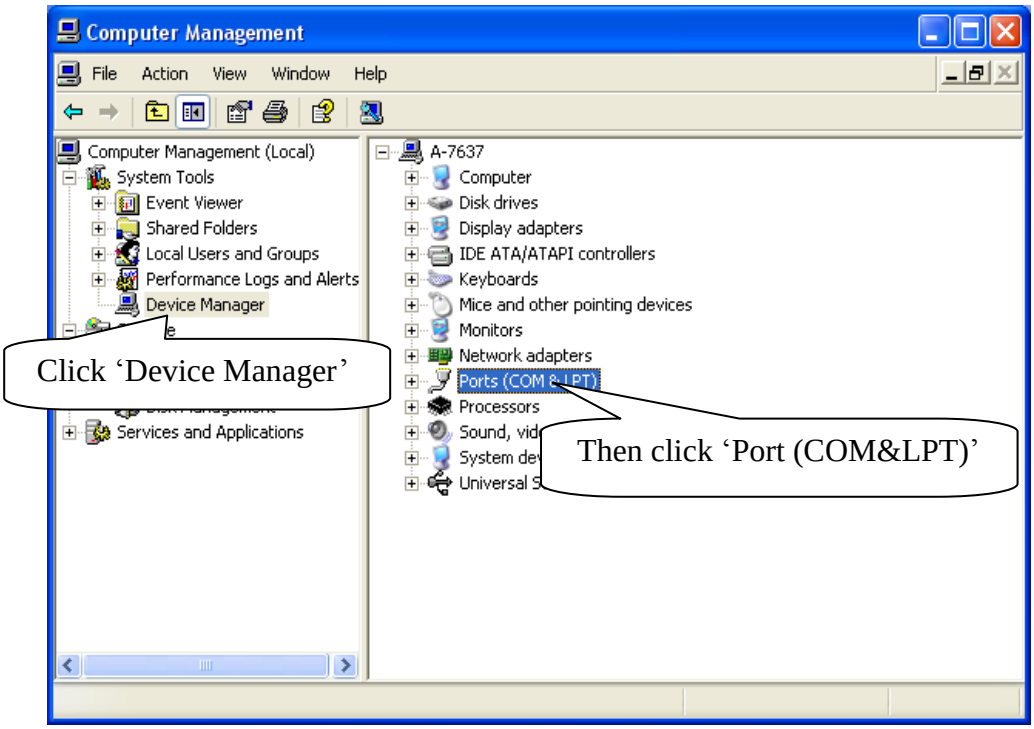


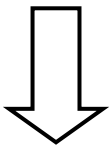
3.3.2. How to Know The Connect Port

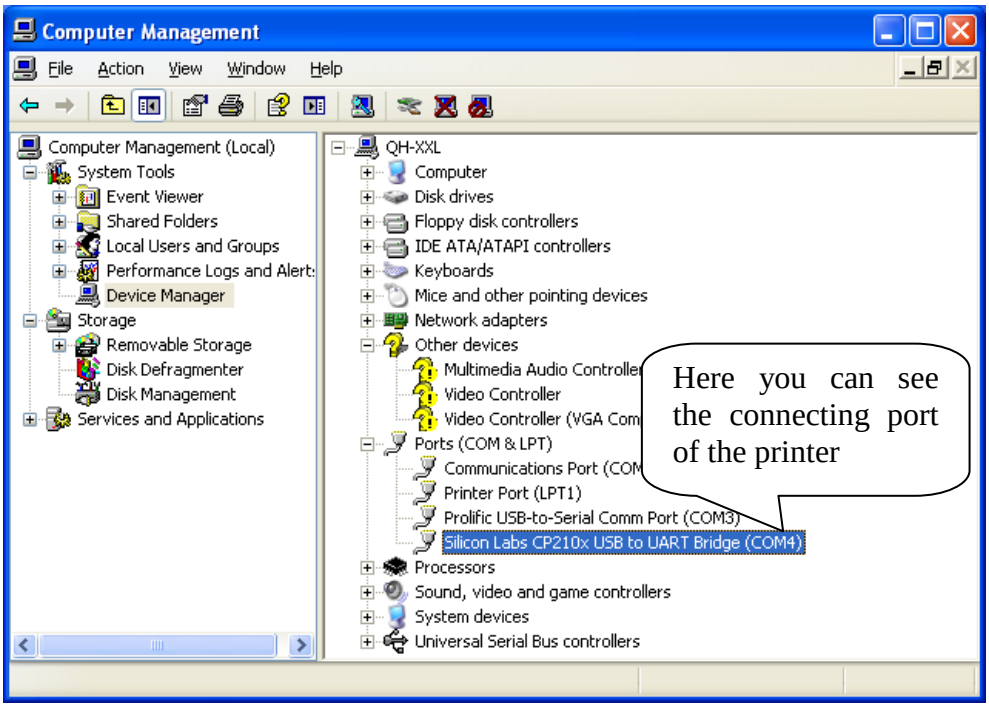
After you install USB dongle driver, restart computer, and insert the 433 dongle into the USB port of computer. Then, you can follow below steps to know which port is connected.

Right click 'My Computer' icon on the desktop, and choose 'Manage'.



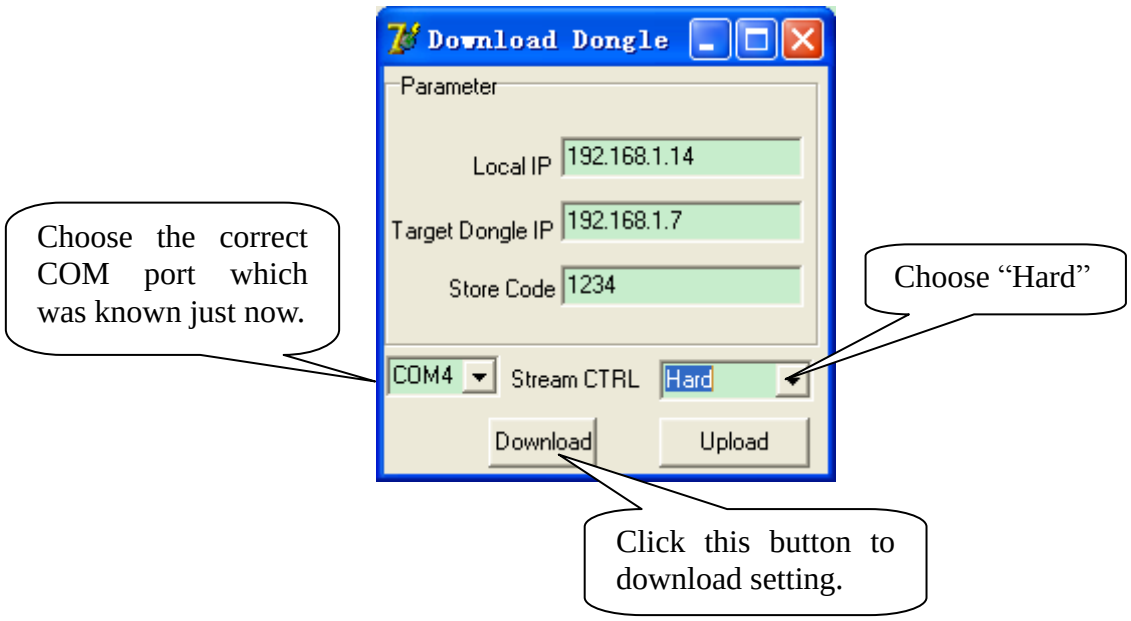

Computer Management
File Action View Window Help
Computer Management (Local)
System Tools
Event Viewer
Shared Folders
Local Users and Groups
Performance Logs and Alerts
Device Manager
Services and Applications
A-7637
Computer
Disk drives
Display adapters
IDE ATA/ATAPI controllers
Keyboards
Mice and other pointing devices
Monitors
Network adapters
Ports (COM & LPT)
Processors
Universal S
Click 'Device Manager'
Then click 'Port (COM&LPT)'




Computer Management
File Action View Window Help
Computer Management (Local)
System Tools
Event Viewer
Shared Folders
Local Users and Groups
Performance Logs and Alert
Device Manager
Storage
Removable Storage
Disk Defragmenter
Disk Management
Services and Applications
QH-XXL
Computer
Disk drives
Floppy disk controllers
IDE ATA/ATAPI controllers
Keyboards
Mice and other pointing devices
Network adapters
Other devices
Multimedia Audio Controller
Video Controller
Video Controller (VGA Com
Ports (COM & LPT)
Communications Port (COM
Printer Port (LPT1)
Prolific USB-to-Serial Comm Port (COM3)
Silicon Labs CP210x USB to UART Bridge (COM4)
Processors
Sound, video and game controllers
System devices
Universal Serial Bus controllers
Here you can see the connecting port of the printer

3.3.3. Dongle Parameter Setting

Double click to open 'DownloadDongle.exe'. Download setting to 433 dongle in order to realize wireless connection between PC and the printer.



Local IP: the IP of 433 dongle.
Target Dongle IP: the wireless IP address of PP7HW4.
Stream CTRL: stream control, if the transmitting data is over 255byte, please choose 'Hard'. If the software is used to transmit data, please set the stream control as 'Hard'.

Note: After click the button 'Download', if the system display 'Download OK', it prompts the parameter setting is successful, and then please pull out the dongle and insert it again; if the system display 'Fail', please check whether you choose the correct COM port, or whether the COM port is occupied by other equipment.

3.3.4. How to Config Connect Port

Please refer to Chapter 1.3 "How to config port" for the detail of connect port configuration.