# PP7X PRINTER DRIVER INSTALLATION INSTRUCTION

**Pinnacle Technology Corp.**

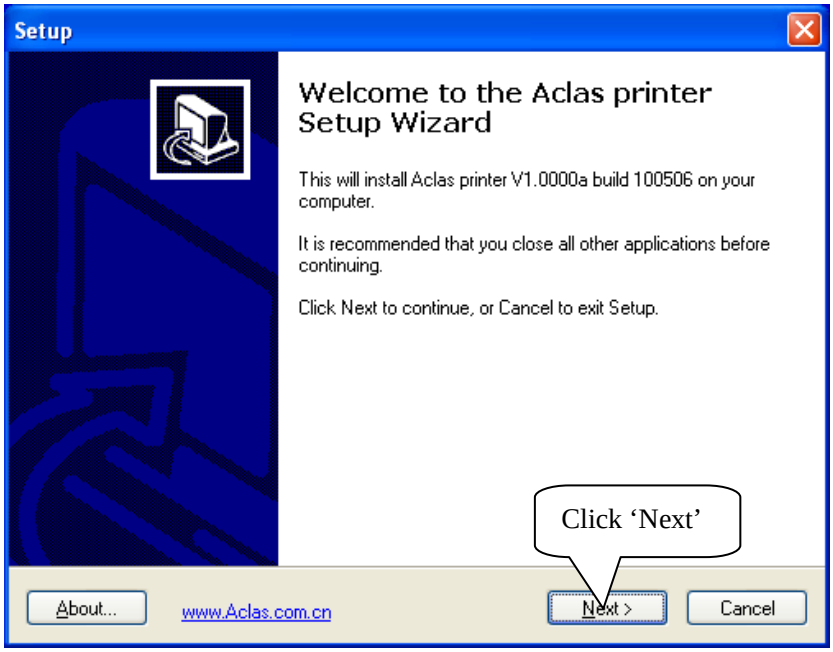
# CONTENTS

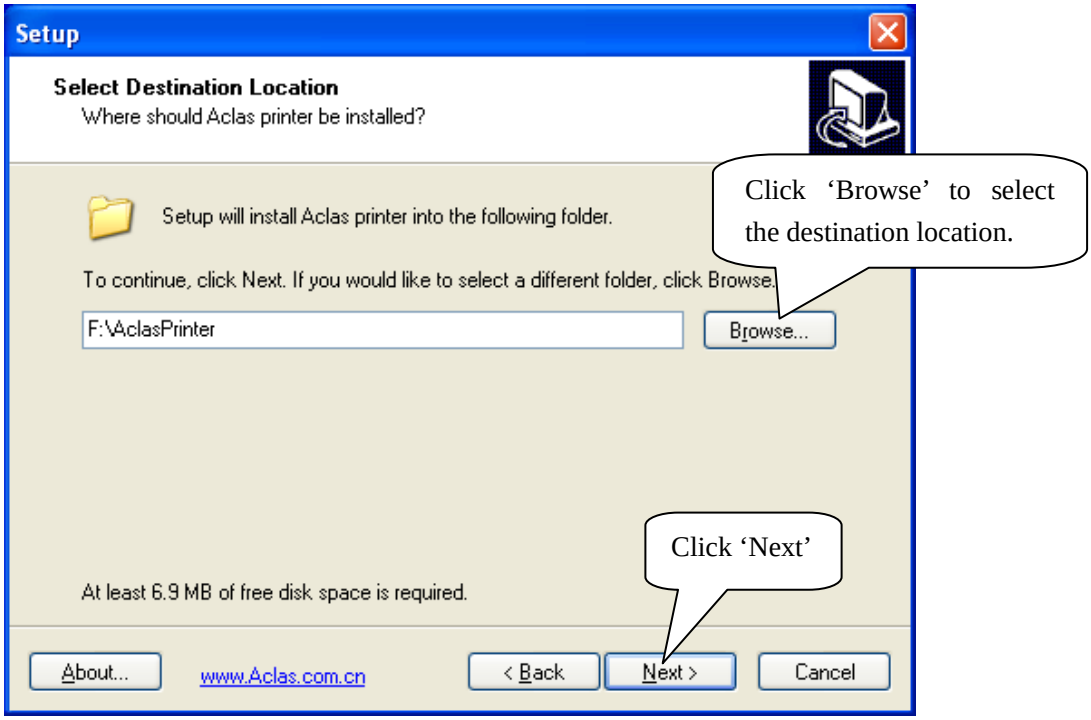

1 USB /Serial/Parallel Printer Driver Installation ..... 1
1.1 Printer Driver Installation ..... 1
1.2 How to Know the Connecting Port ..... 6
1.3 How to Configure Port ..... 8
2 Ethernet /WIFI Printer Driver Installation ..... 14
2.1 Printer Driver Installation ..... 14
2.2 Create and Configure Port ..... 17
3 BT Printer Driver Installation ..... 25
3.1 Printer Driver Installation ..... 25
3.2 BT Dongle Installation ..... 29
3.3 How to Know the Connecting Port ..... 33
3.4 How to Configure Port ..... 34
4 Wireless 2.4G / Wireless 433 Printer driver installation ..... 40
4.1 Printer Driver Installation ..... 40
4.2 Wireless 433MHz Base Station ..... 44
4.3 Wireless 433 USB Dongle/2.4G ..... 46
4.3.1 USB Dongle Driver Installation ..... 46
4.3.2 How to Know the Connecting Port ..... 49
4.3.3 Dongle Parameter Setting ..... 50
4.3.4 How to configure port ..... 51

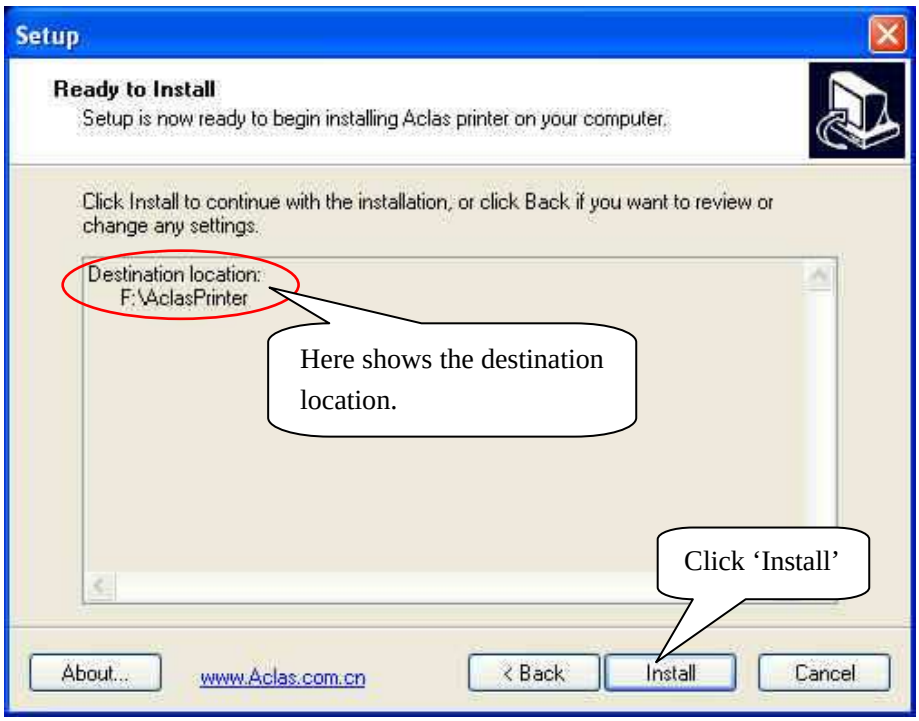
# 1 USB /Serial/Parallel Printer Driver Installation

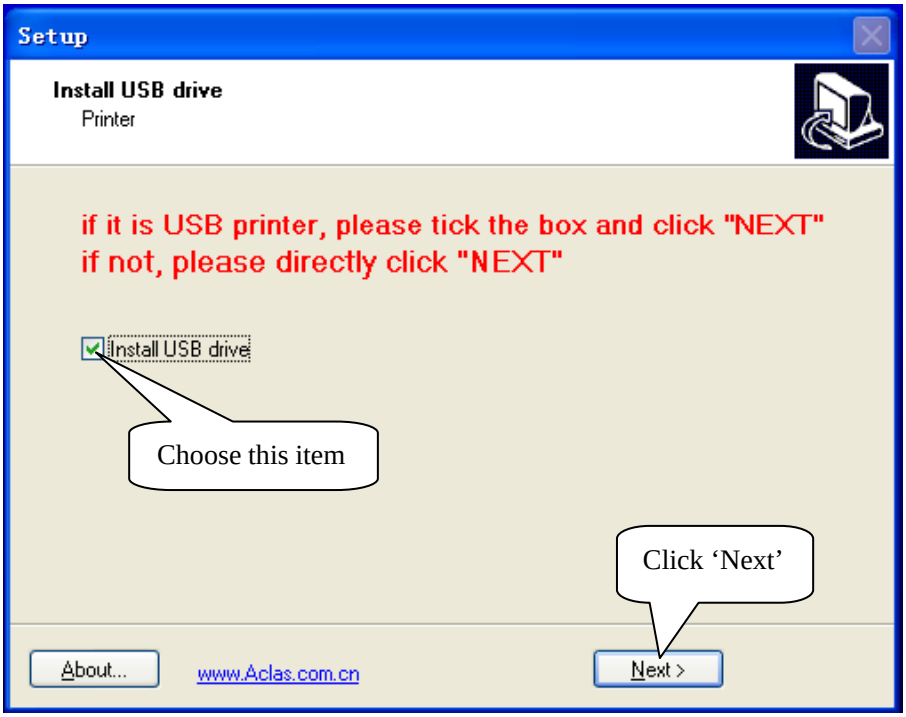
## 1.1 Printer Driver Installation

Connect the PP7X to PC, run the attached CD-disk and double click the file ‘Aclas printer.exe’ in the folder ‘Aclas Printer’ to install the printer driver.



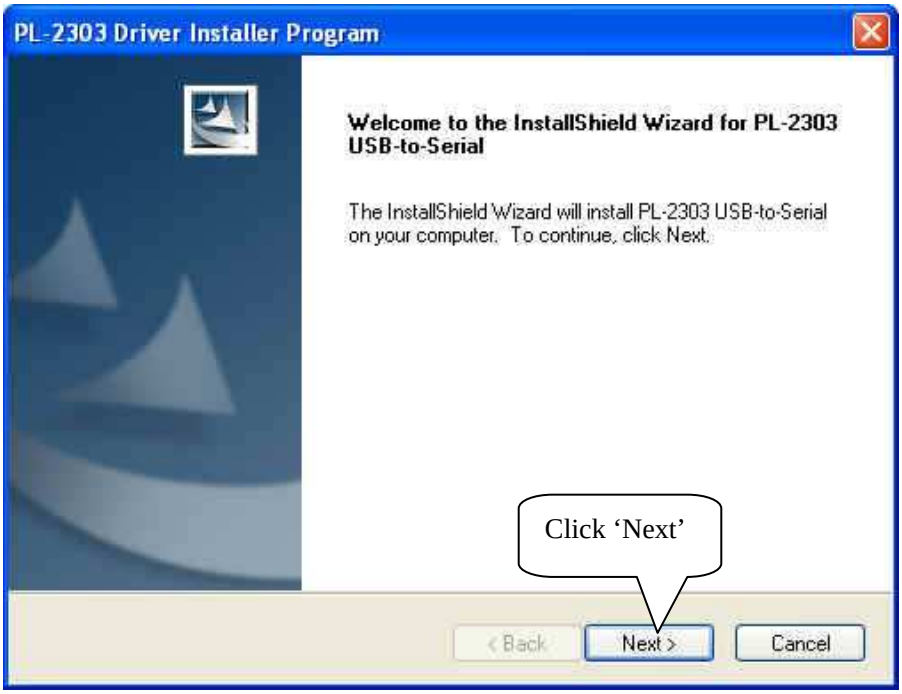

Setup
Select Destination Location
Where should Aclas printer be installed?
Setup will install Aclas printer into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
F:\AclasPrinter
Browse...
Click 'Browse' to select the destination location.
Click 'Next'
At least 6.9 MB of free disk space is required.
About...
www.Aclas.com.cn
< Back
Next >
Cancel


Setup
Ready to Install
Setup is now ready to begin installing Aclas printer on your computer.
Click Install to continue with the installation, or click Back if you want to review or change any settings.
Destination location:
F:\AclasPrinter
Here shows the destination location.
Click 'Install'
About...
www.Aclas.com.cn
< Back
Install
Cancel

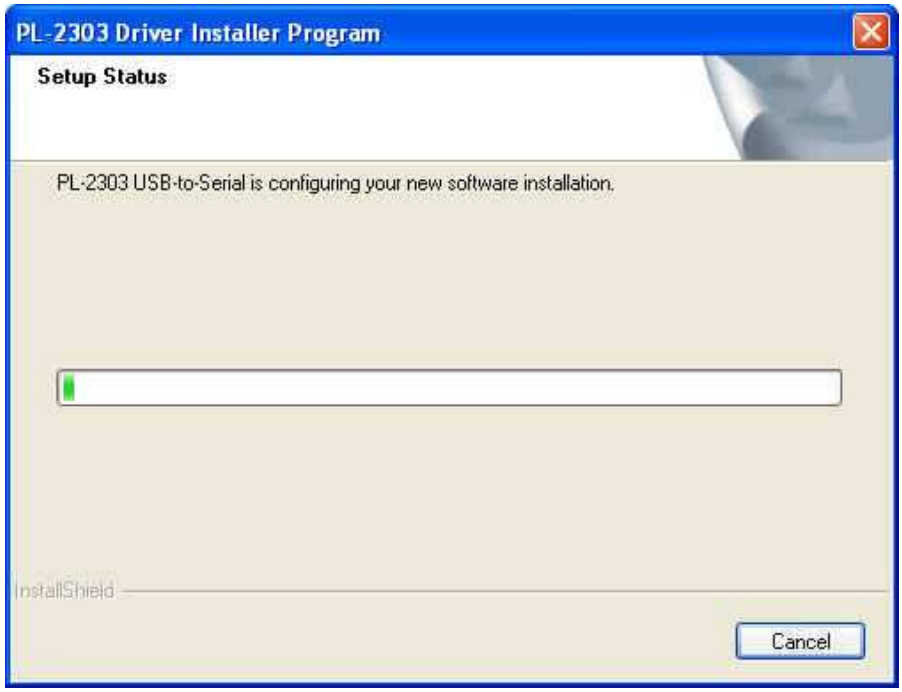



**Note**: **If it is USB printer, please tick the box and click 'NEXT'. If not, please directly click 'NEXT'.**

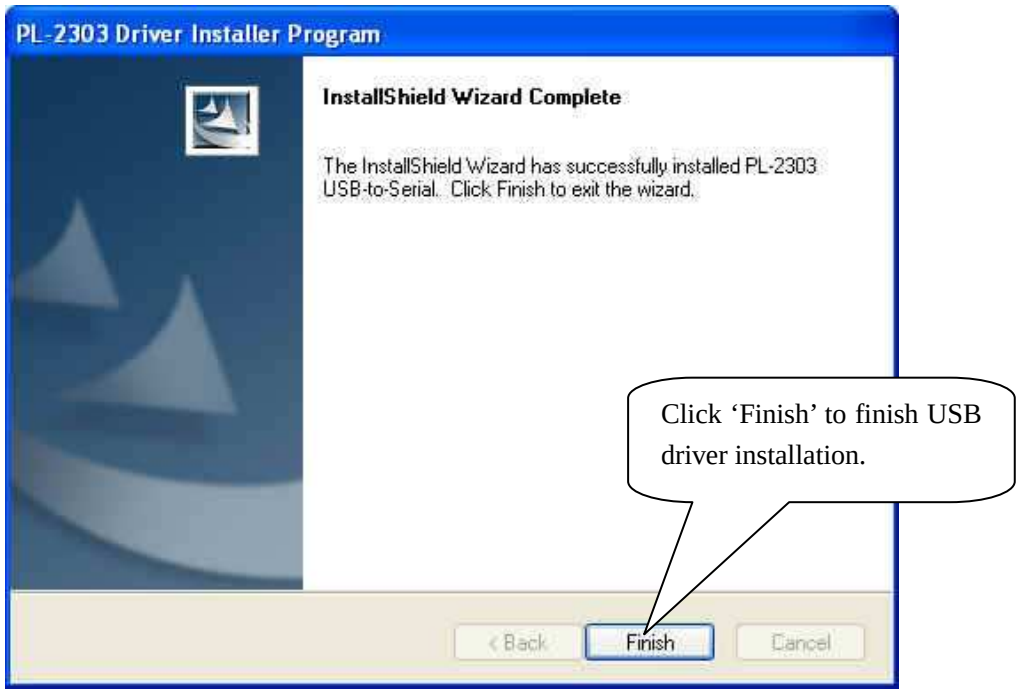
The interface of USB driver installation

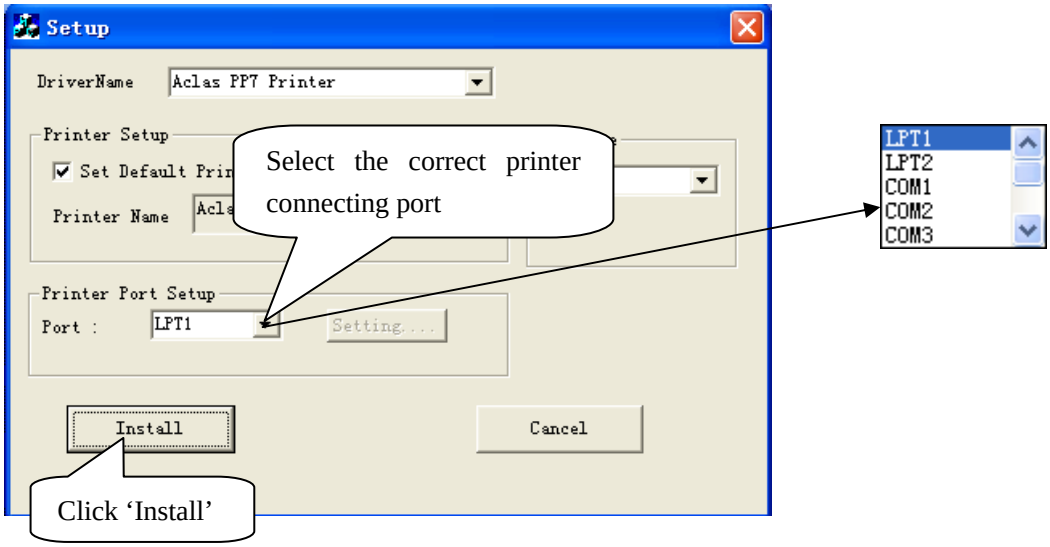


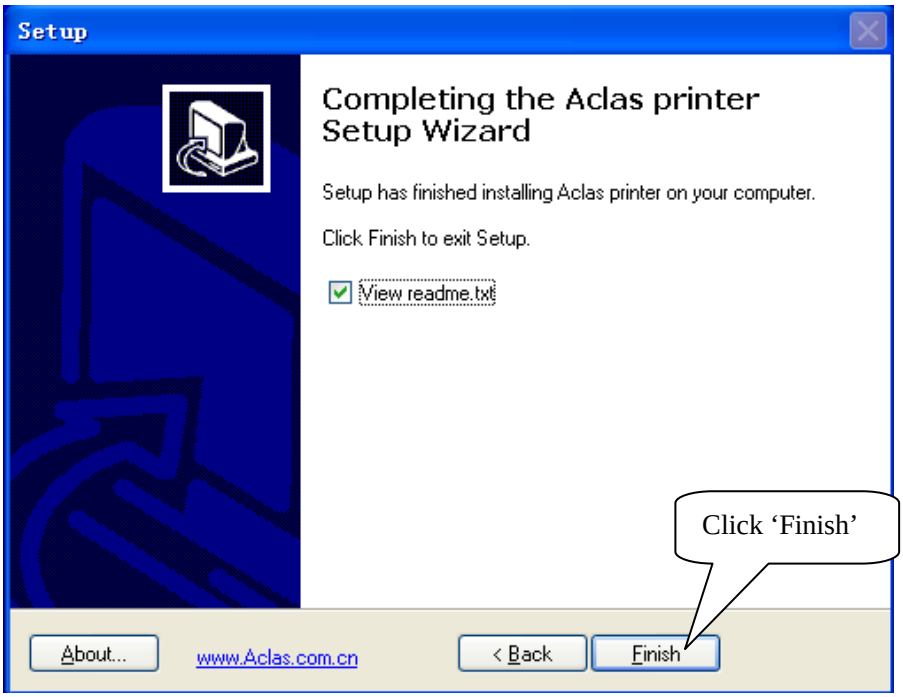
The interface of USB driver installation




The interface of USB driver installation





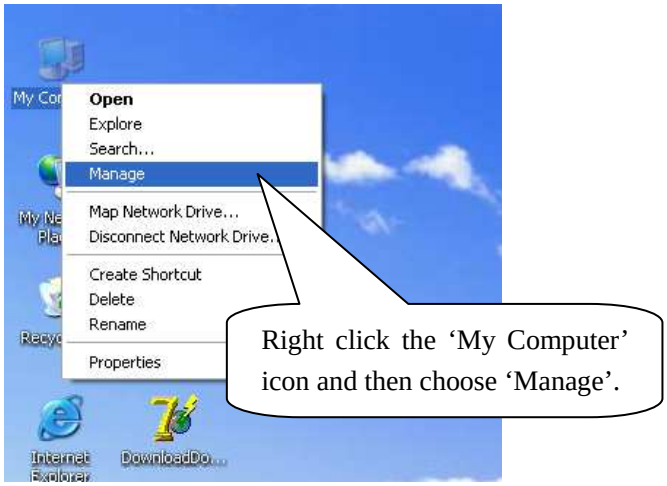



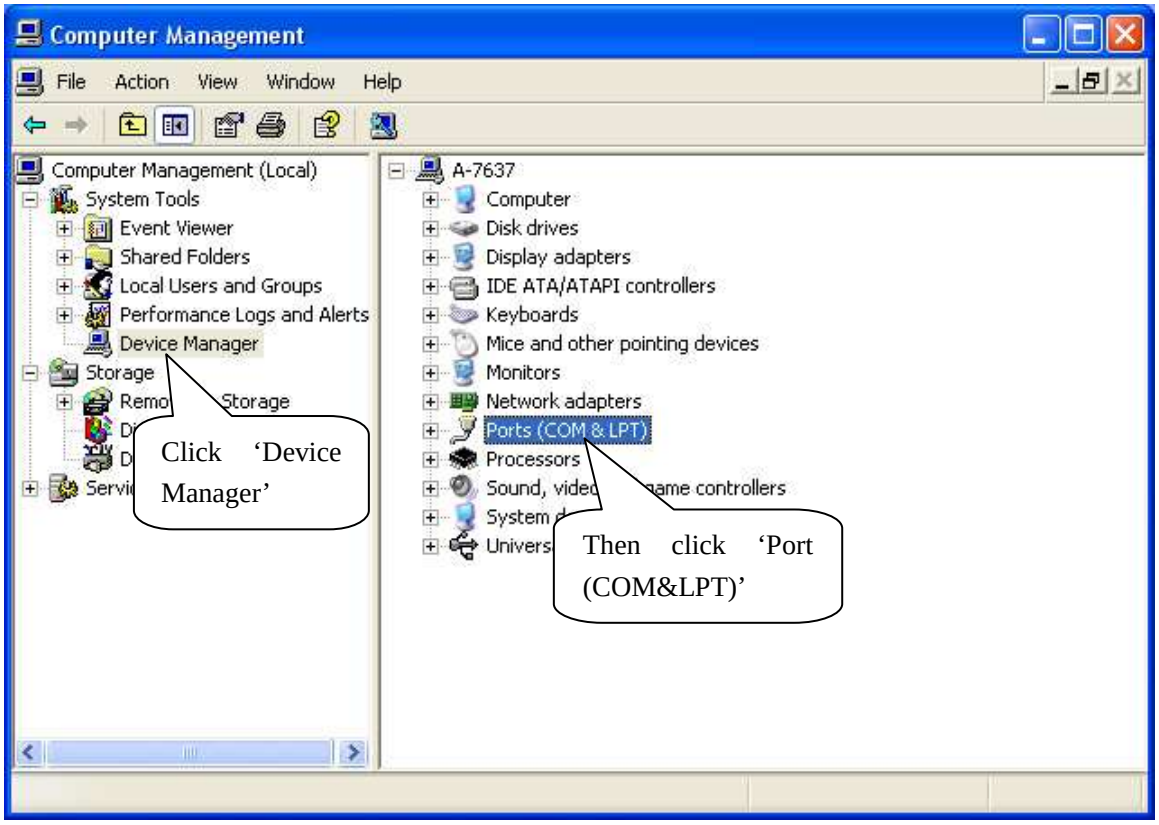

**Note:**

**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.**

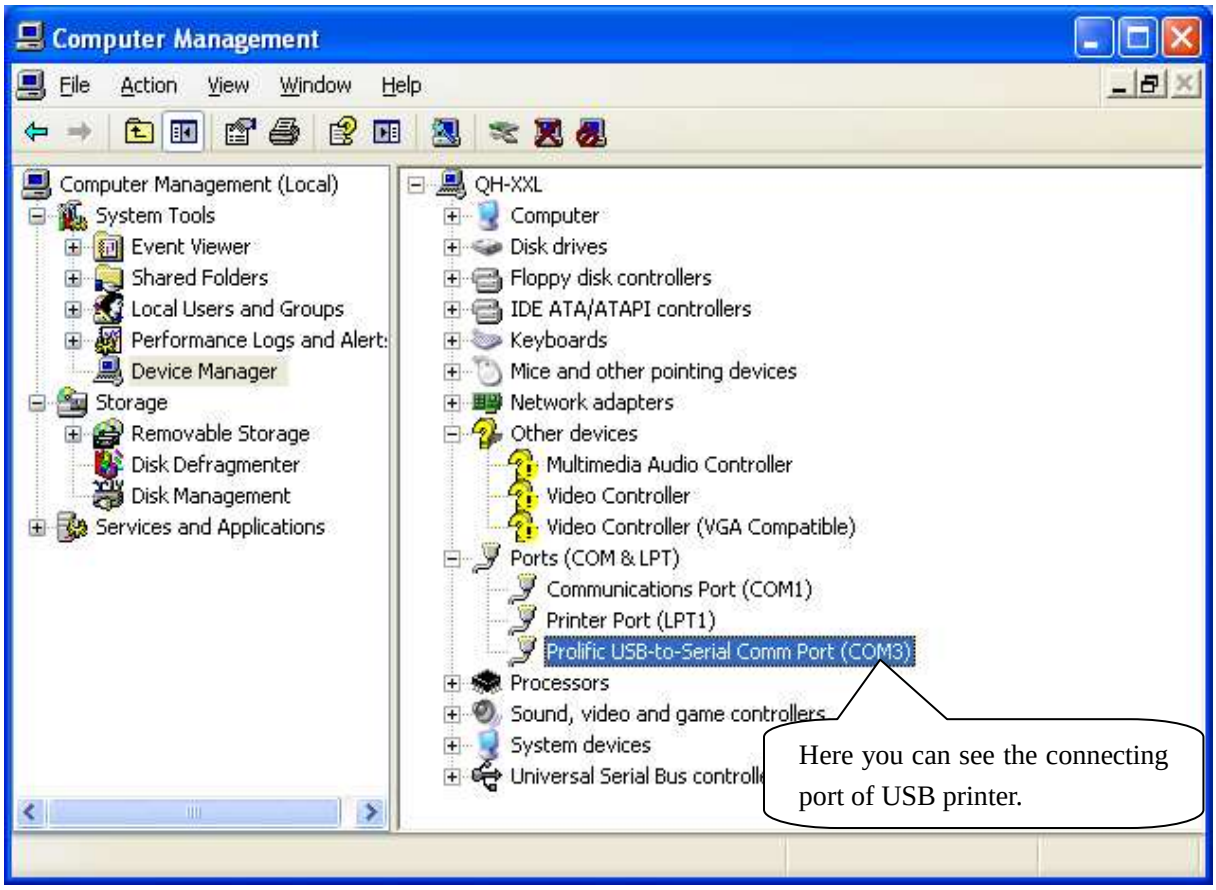
## 1.2 How to Know the Connecting Port

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’:

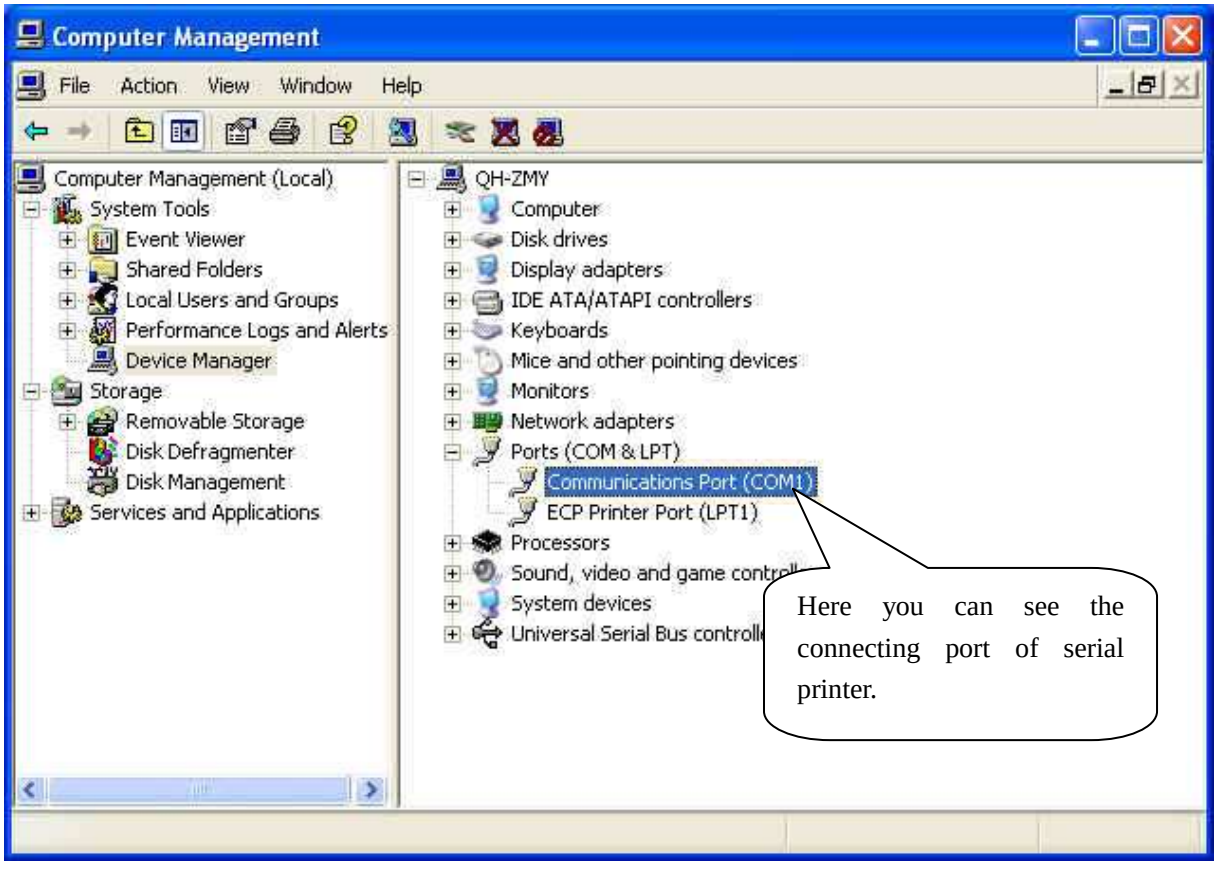




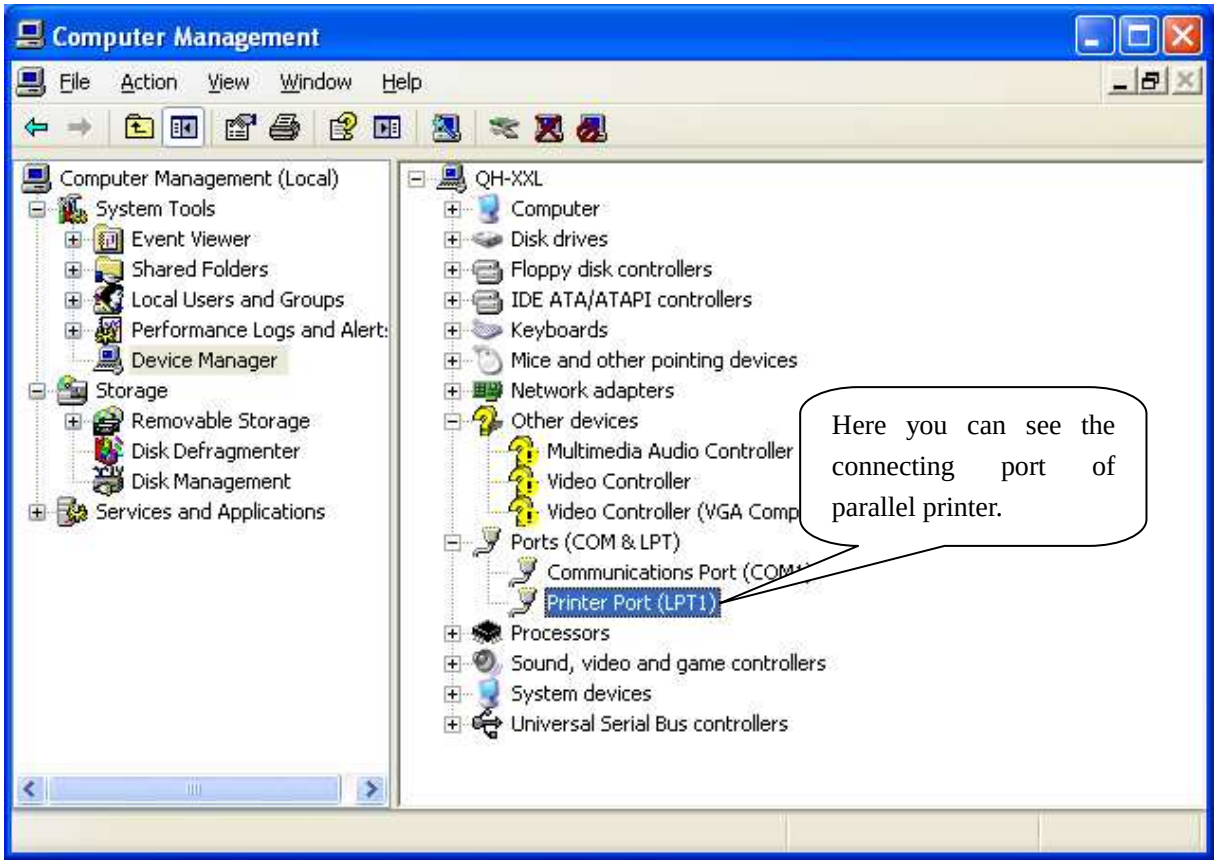
The connecting port of USB printer




The connecting port of serial printer



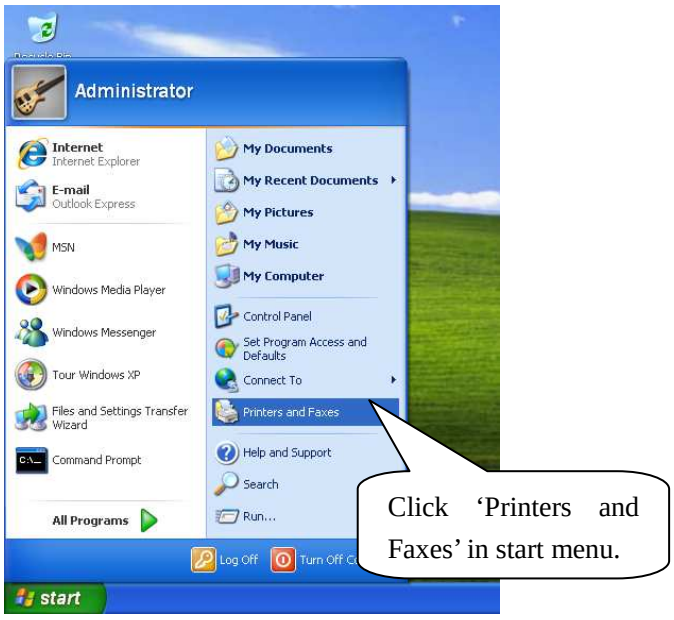
The connecting port of parallel printer

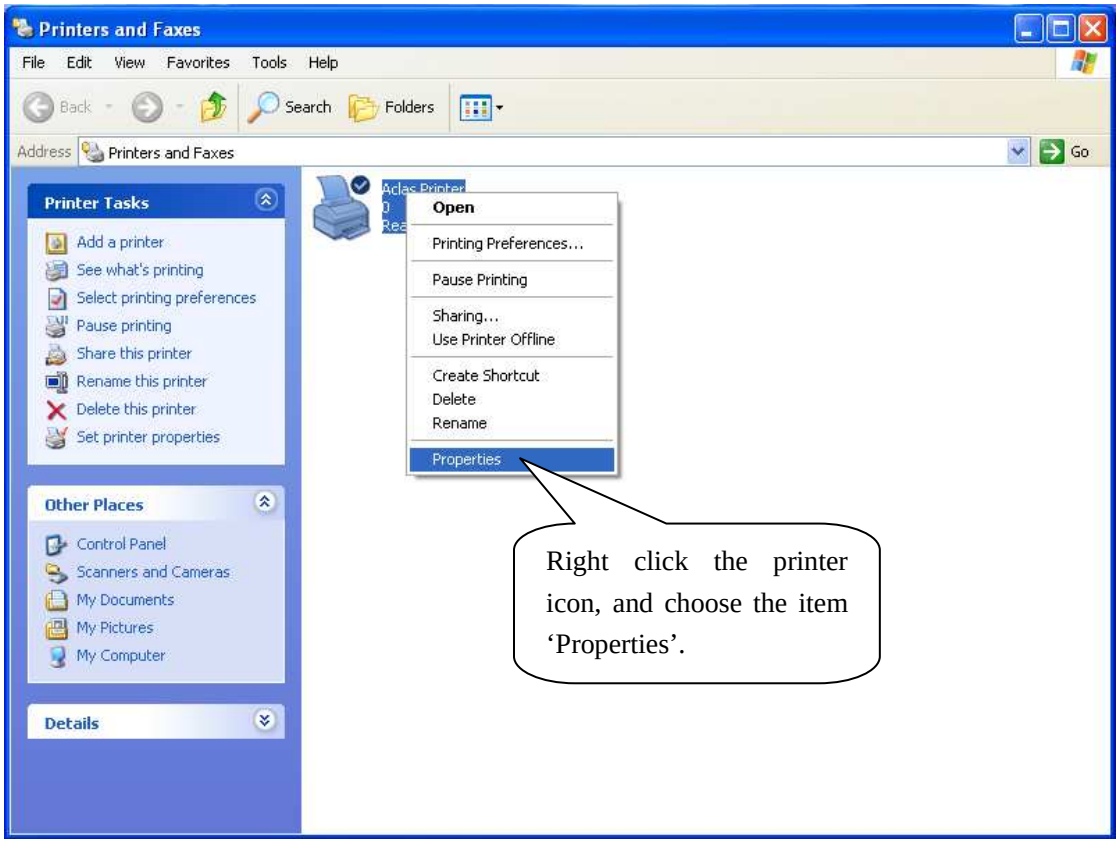



## 1.3 How to Configure Port

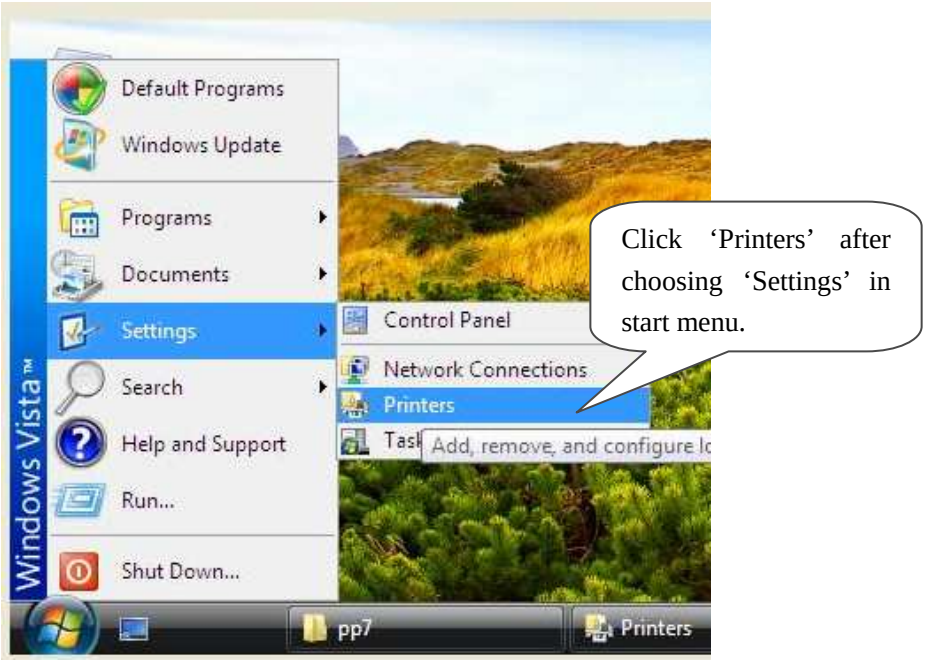
**Step1**: Enter 'properties' interface of the printer first to configure port after knowing the connecting port.

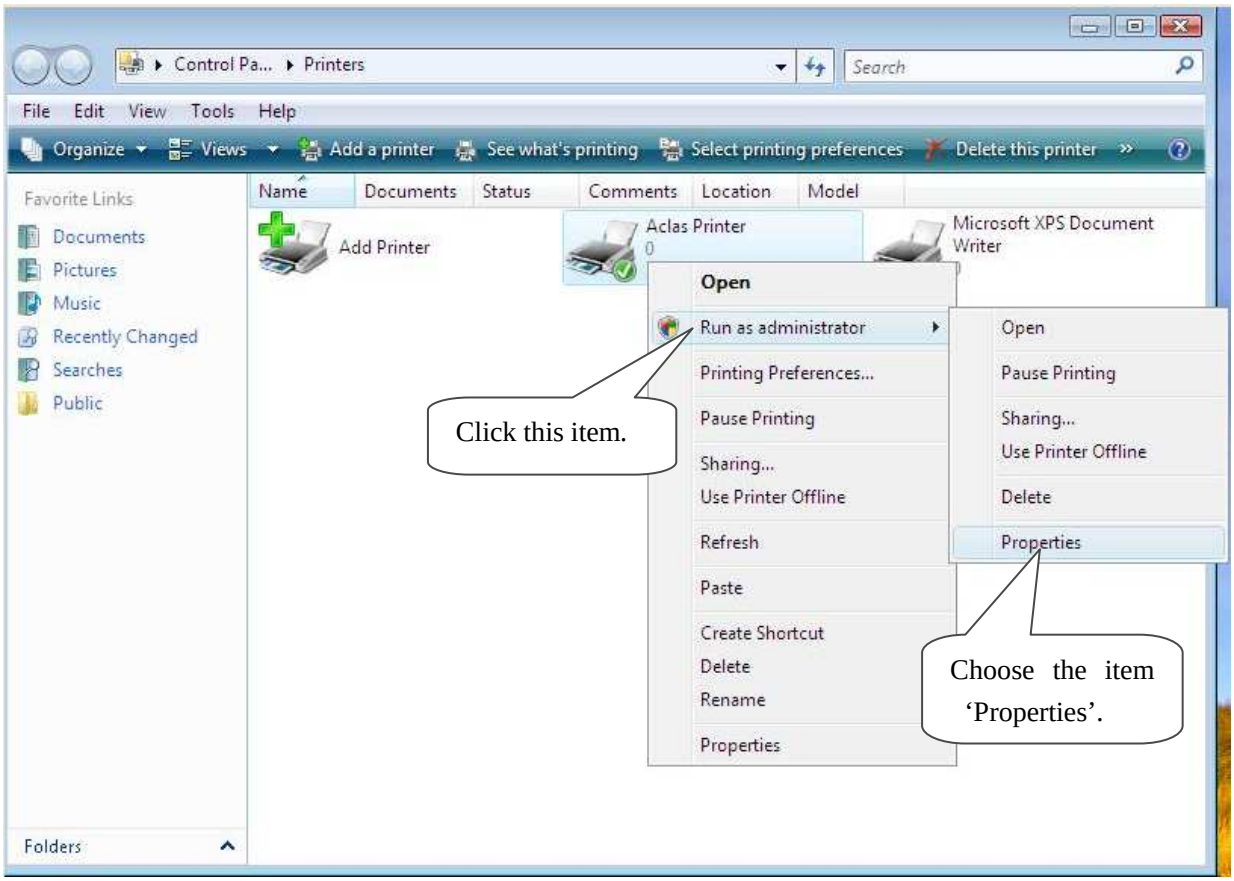
- If your PC is installed with Windows XP system, please follow the below steps to enter 'properties' interface of the printer.



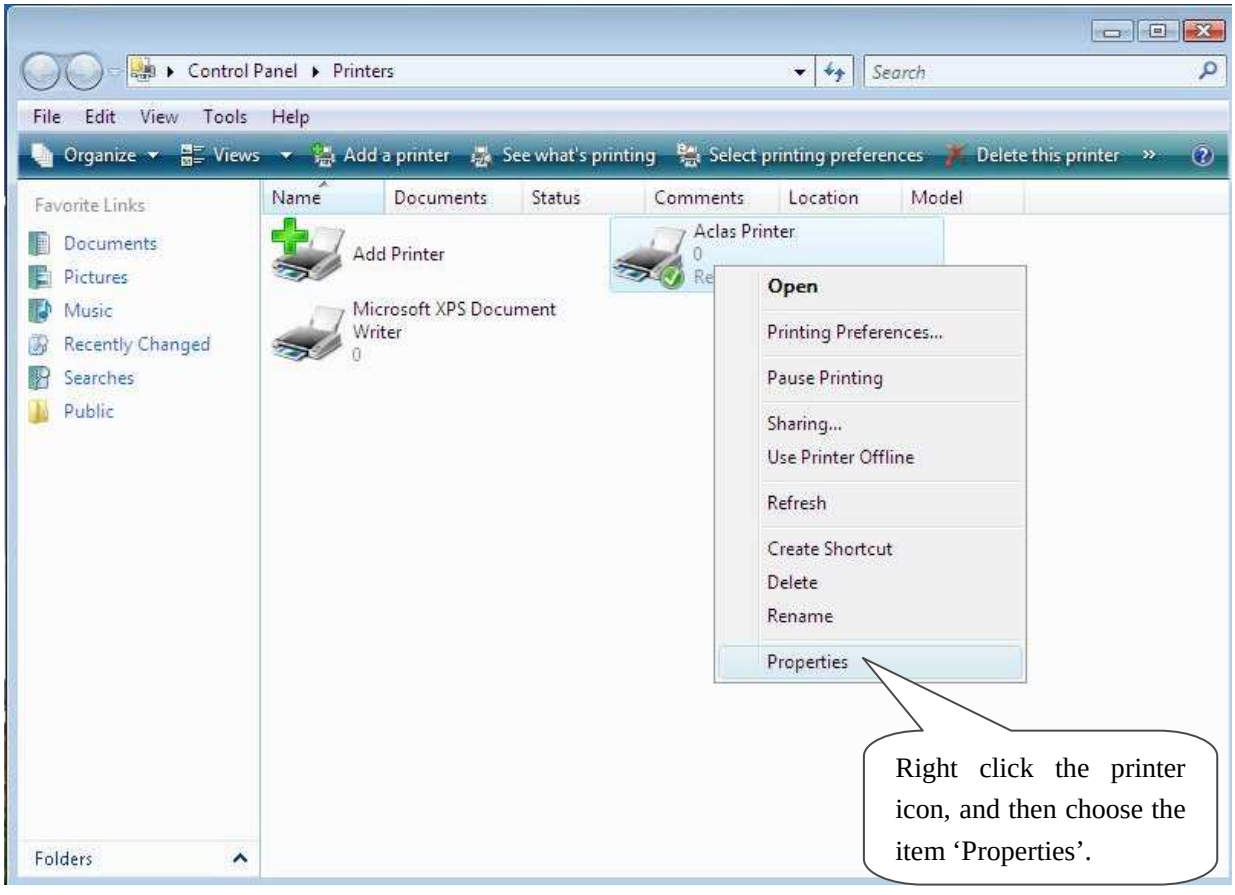



➢ If your PC is installed with Vista system, please follow the below steps to enter 'properties' interface.



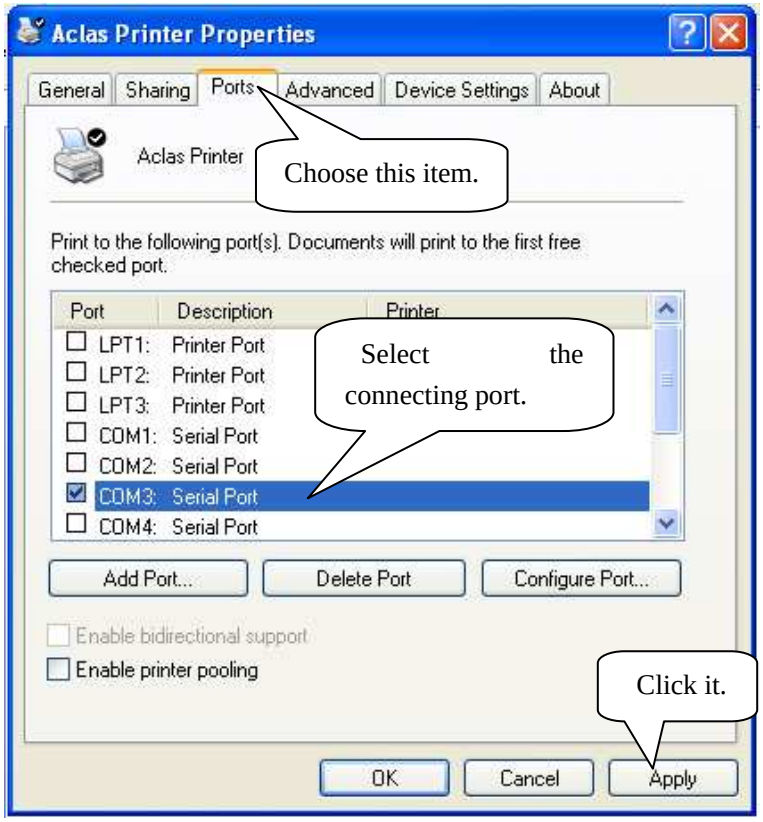



**Note: If you are not allowed to access to run as the administrator, please choose the item 'properties' directly after entering the Printer interface, as the window below:**



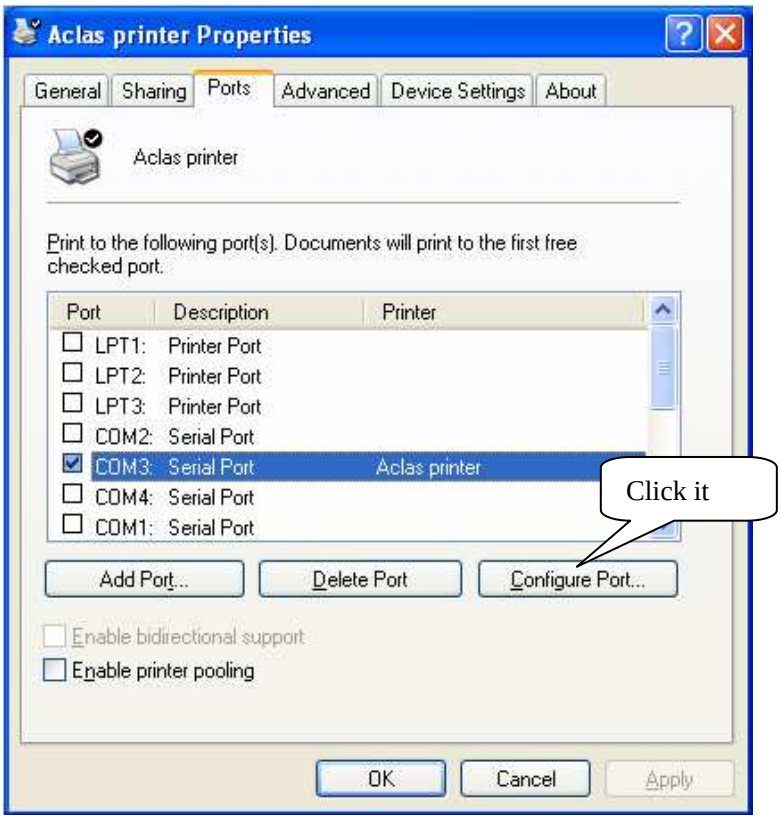
**Step 2**: Choose connecting port

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:

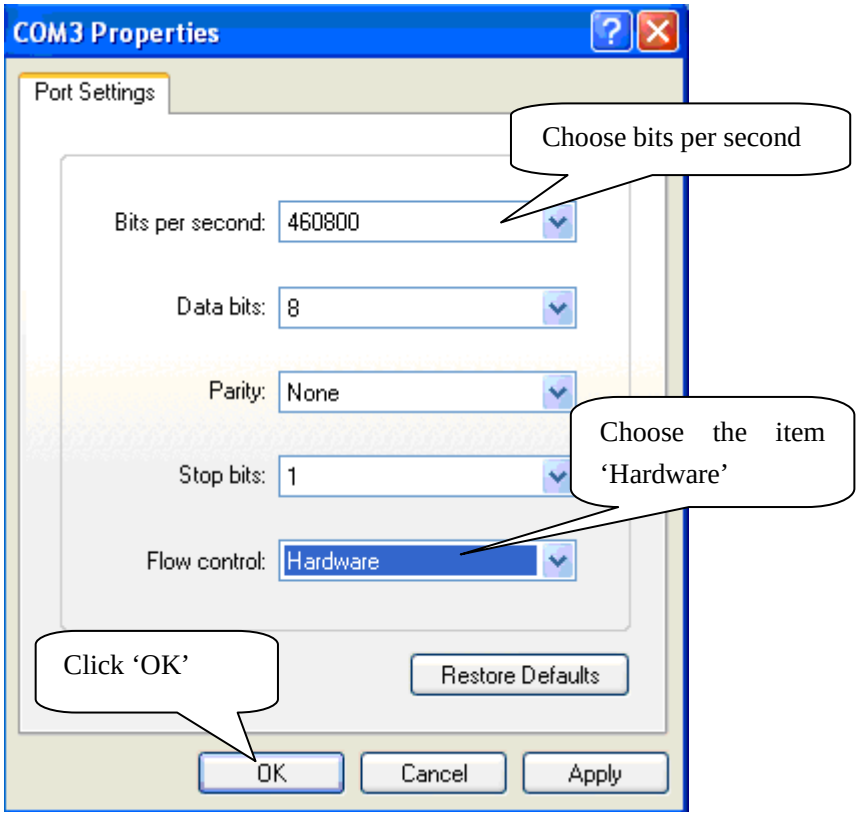


**Step 3:** configure port

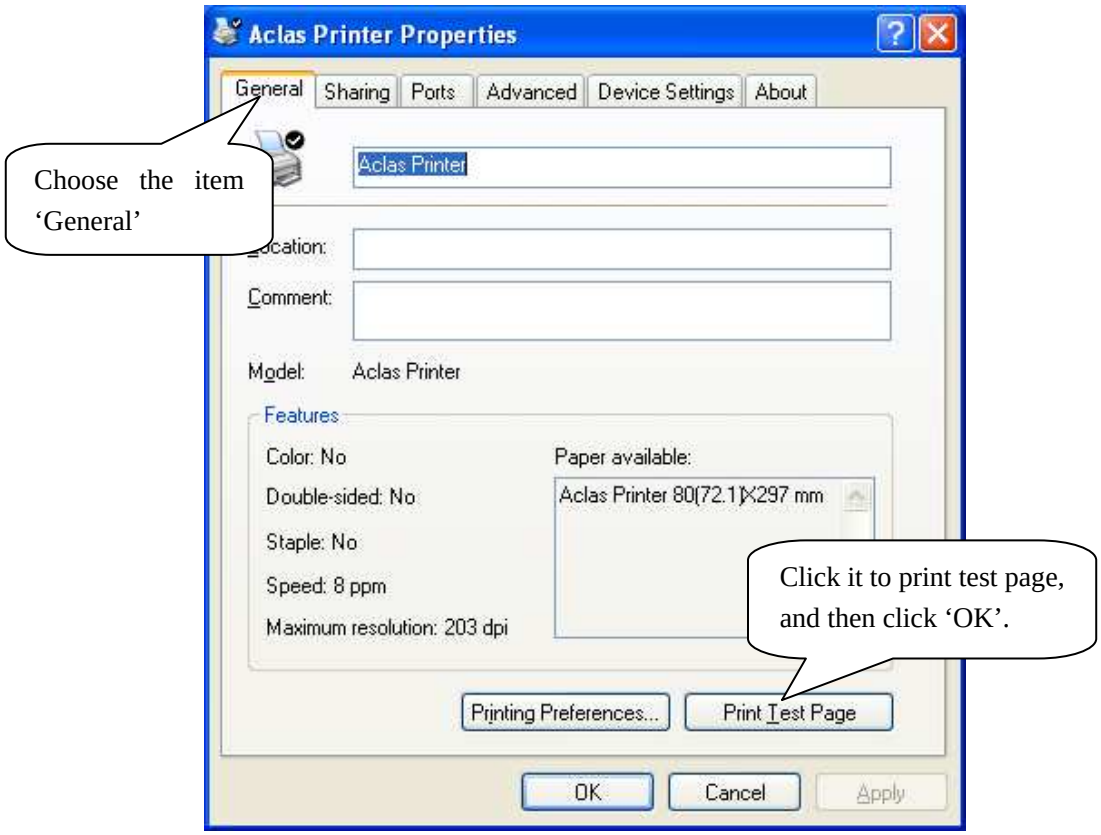
**Note: Parallel printers could skip this step, and go to step 4 directly.**




**Bits per second: USB printer choose 460800, serial printer choose 115200.**



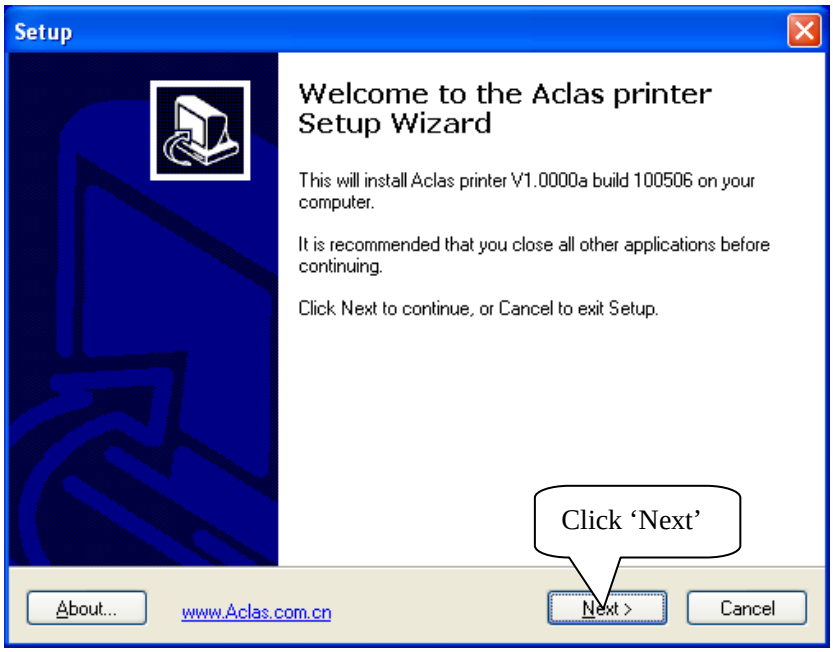
**Step 4:** finish port configuration

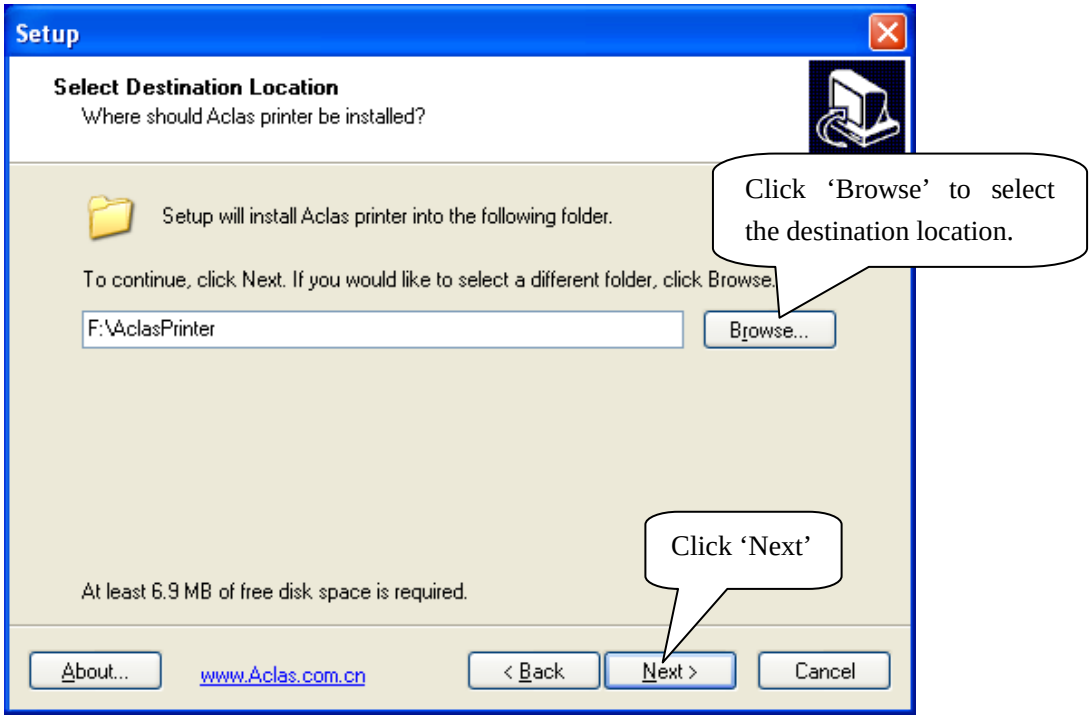


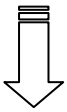
# 2 Ethernet /WIFI Printer Driver Installation

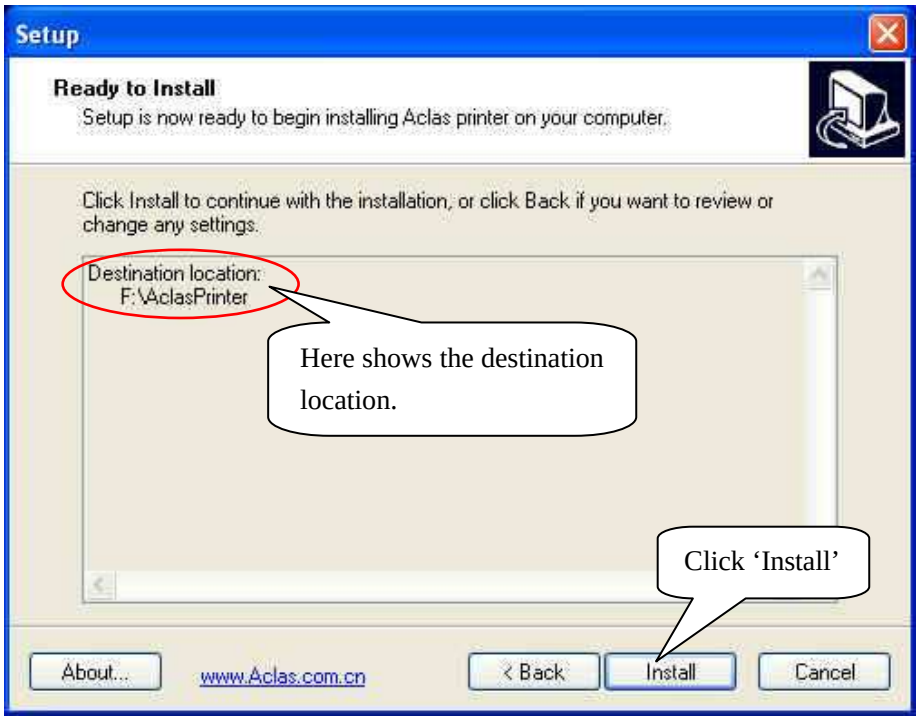
## 2.1 Printer Driver Installation

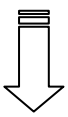
Connect the PP7X to PC, run the attached CD-disk and double click the file ‘Aclas printer.exe’ in the folder ‘Aclas Printer’ to install the printer driver.

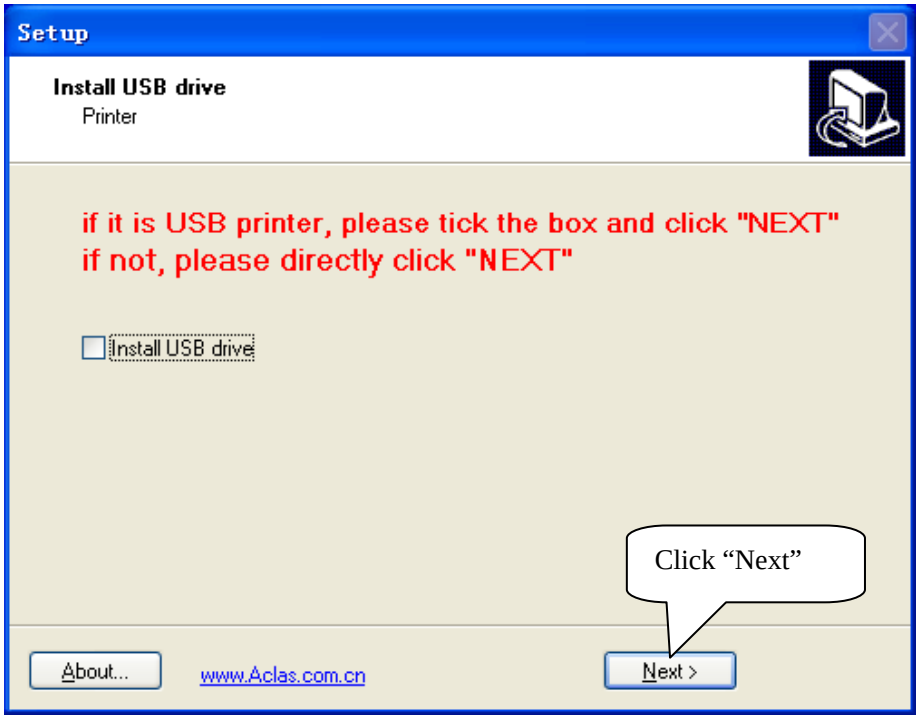


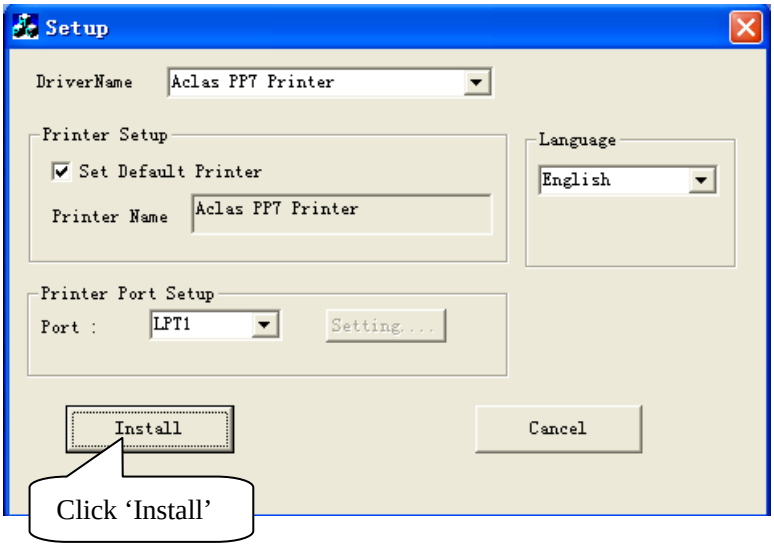

Setup
Select Destination Location
Where should Aclas printer be installed?
Setup will install Aclas printer into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
F:\AclasPrinter
Browse...
Click 'Browse' to select the destination location.
Click 'Next'
At least 6.9 MB of free disk space is required.
About...
www.Aclas.com.cn
< Back
Next >
Cancel

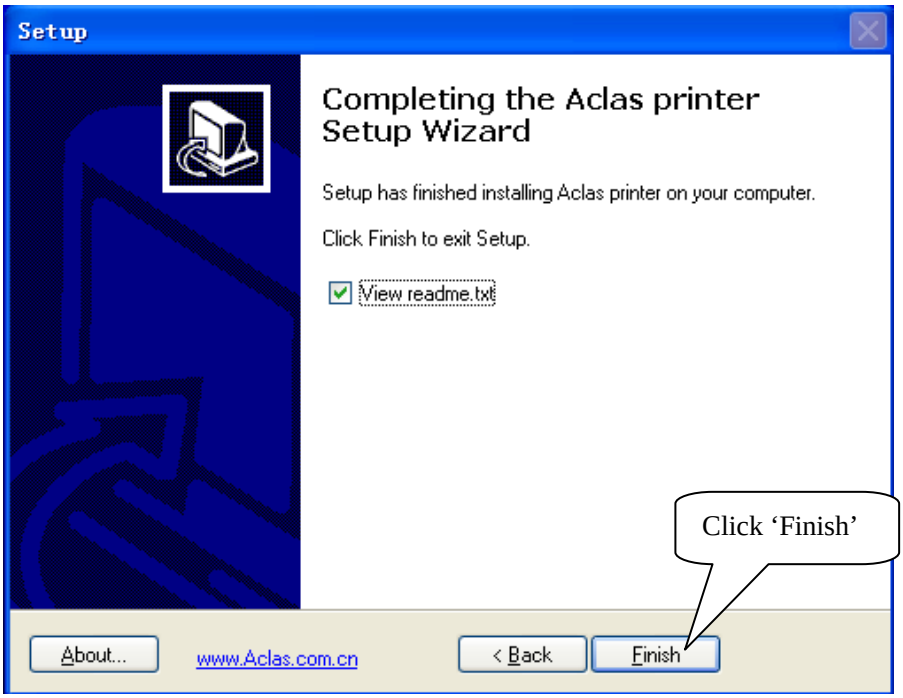



Setup
Ready to Install
Setup is now ready to begin installing Aclas printer on your computer.
Click Install to continue with the installation, or click Back if you want to review or change any settings.
Destination location:
F:\AclasPrinter
Here shows the destination location.
Click 'Install'
About...
www.Aclas.com.cn
< Back
Install
Cancel




Setup
Install USB drive
Printer
if it is USB printer, please tick the box and click "NEXT"
if not, please directly click "NEXT"
Install USB drive
Click “Next”
About...
www.Aclas.com.cn
Next >


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

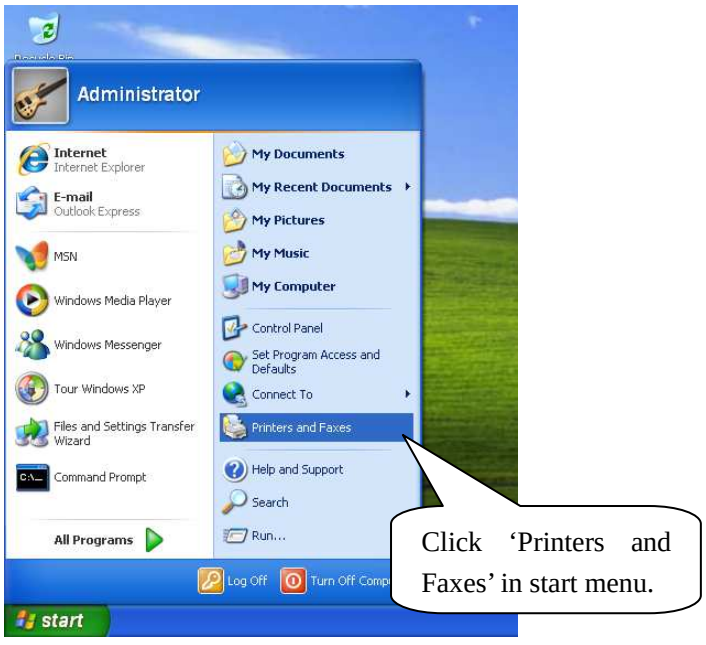


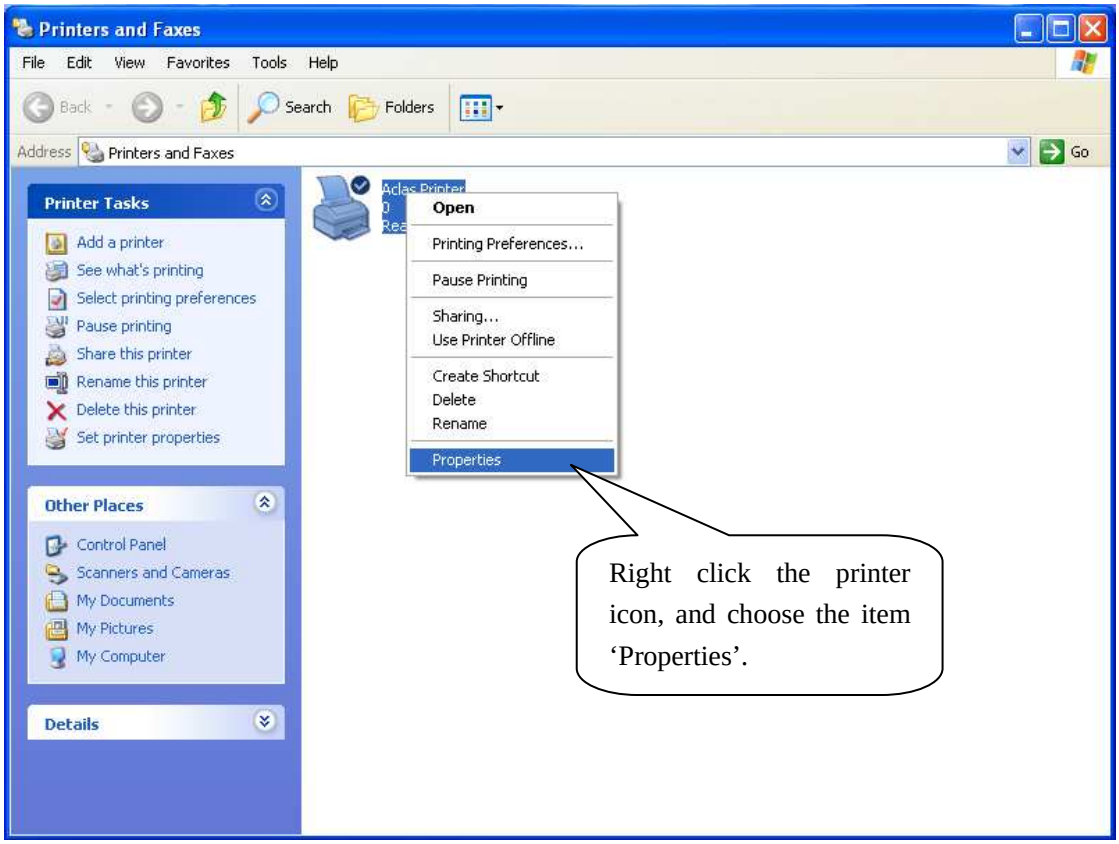

## 2.2 Create and Configure Port

After installing printer driver, create and configure port. Please follow steps below:

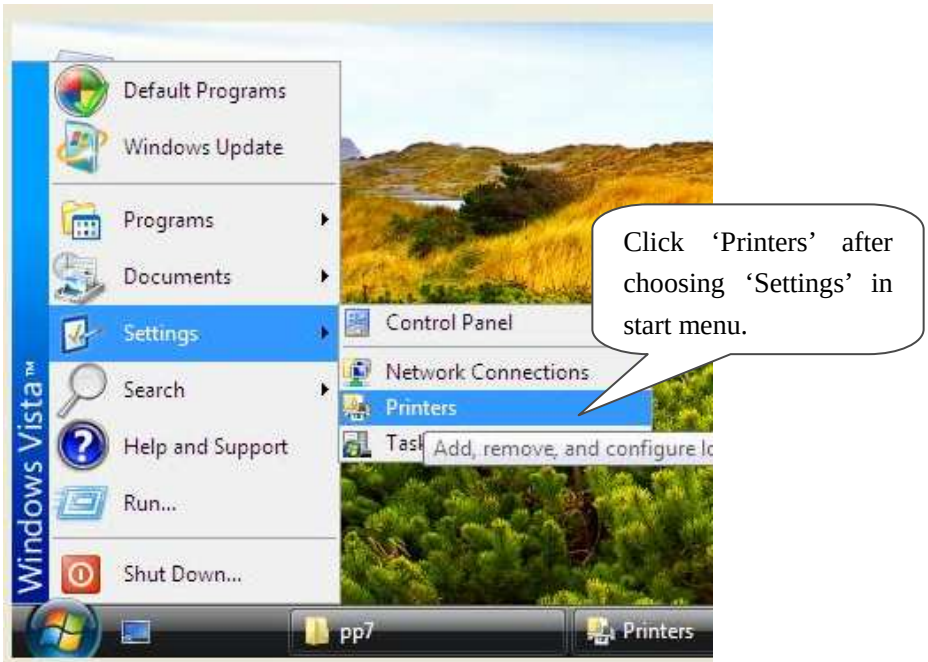
**Step1:** Enter 'properties' interface of the printer first.

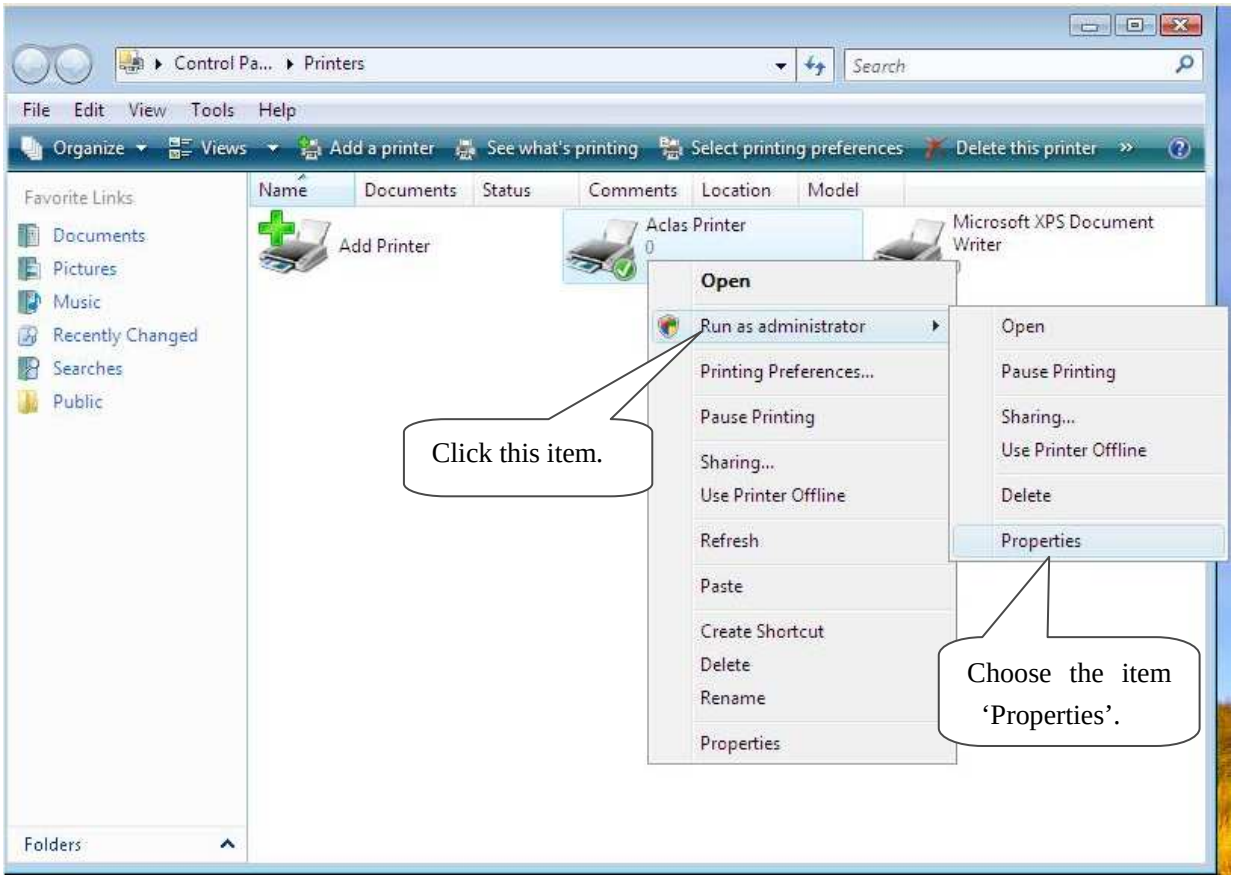
- If your PC is installed with Windows XP system, please follow the below steps to enter 'properties' interface.



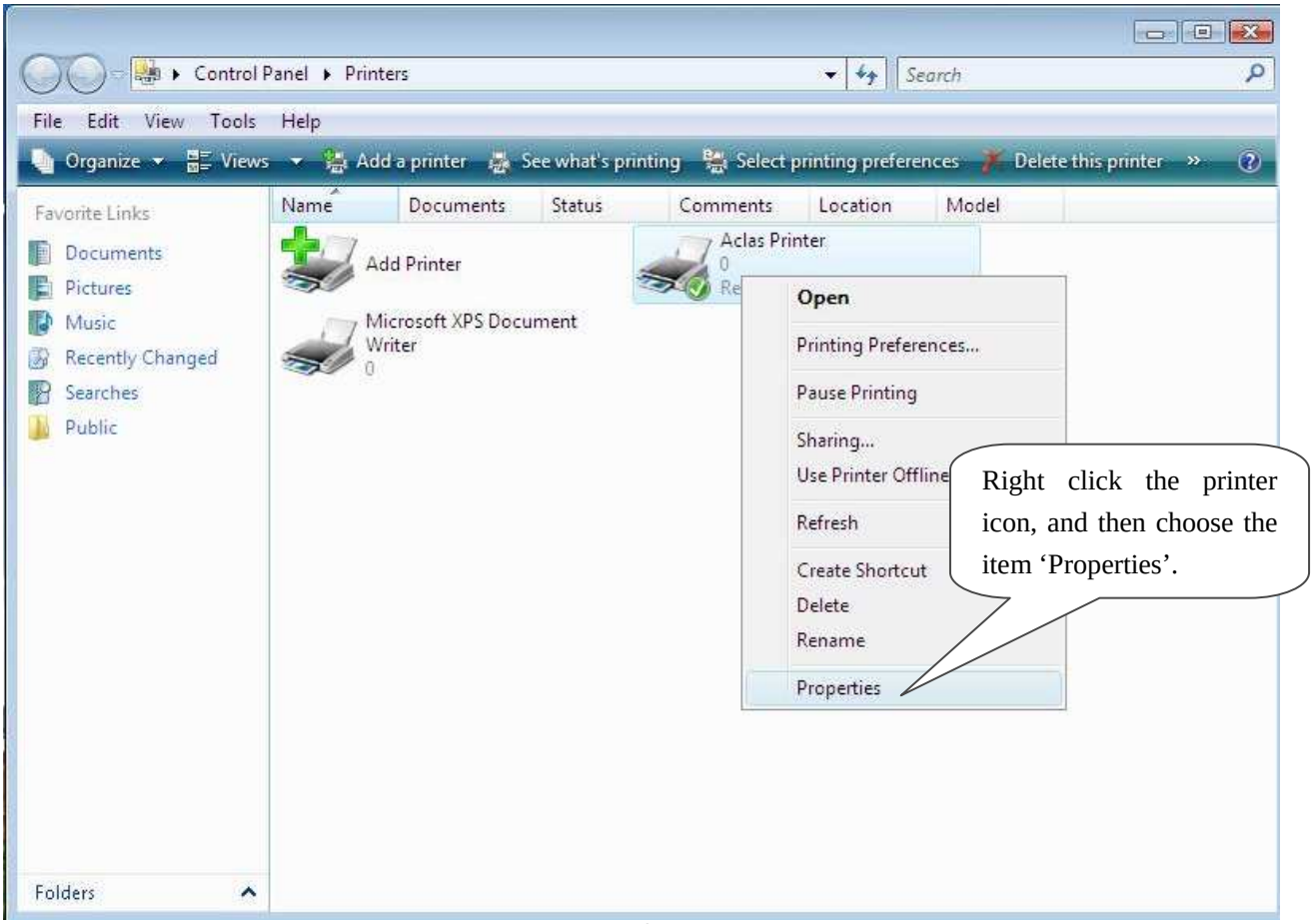



➢ If your PC is installed with Vista system, please follow the below steps to enter 'properties' interface.

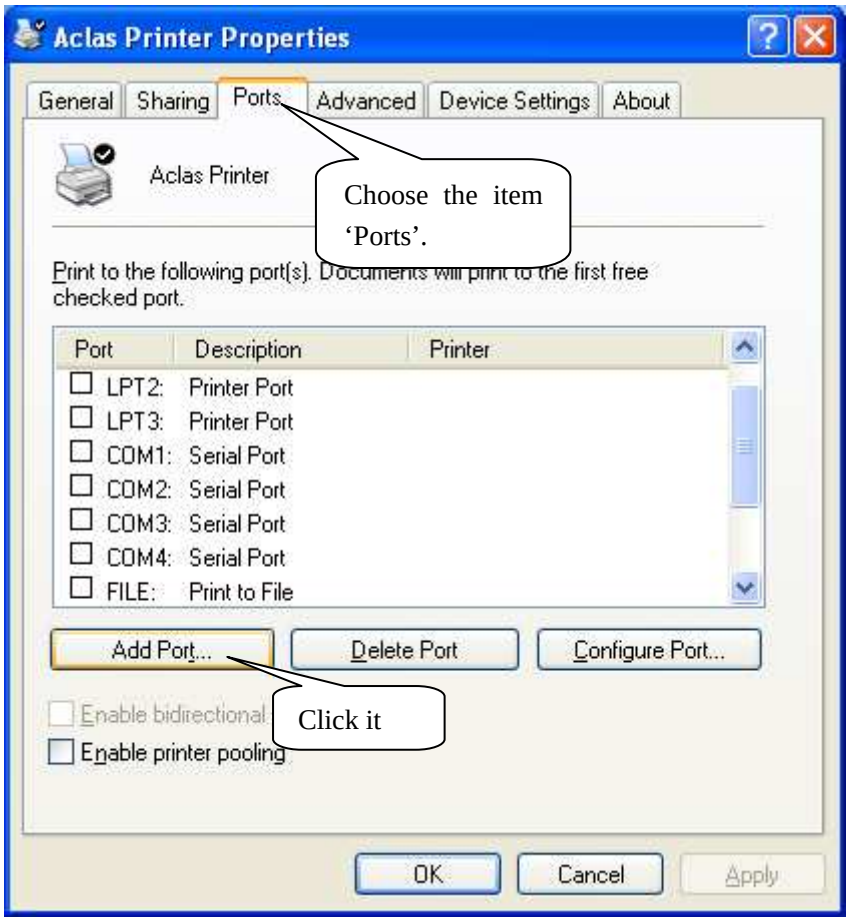


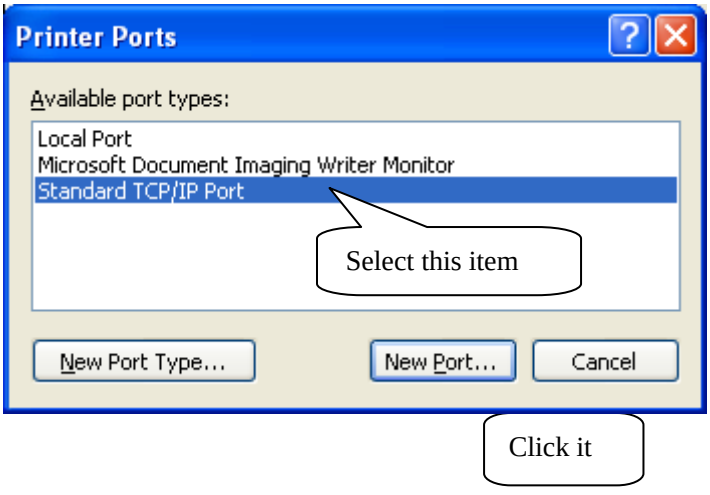


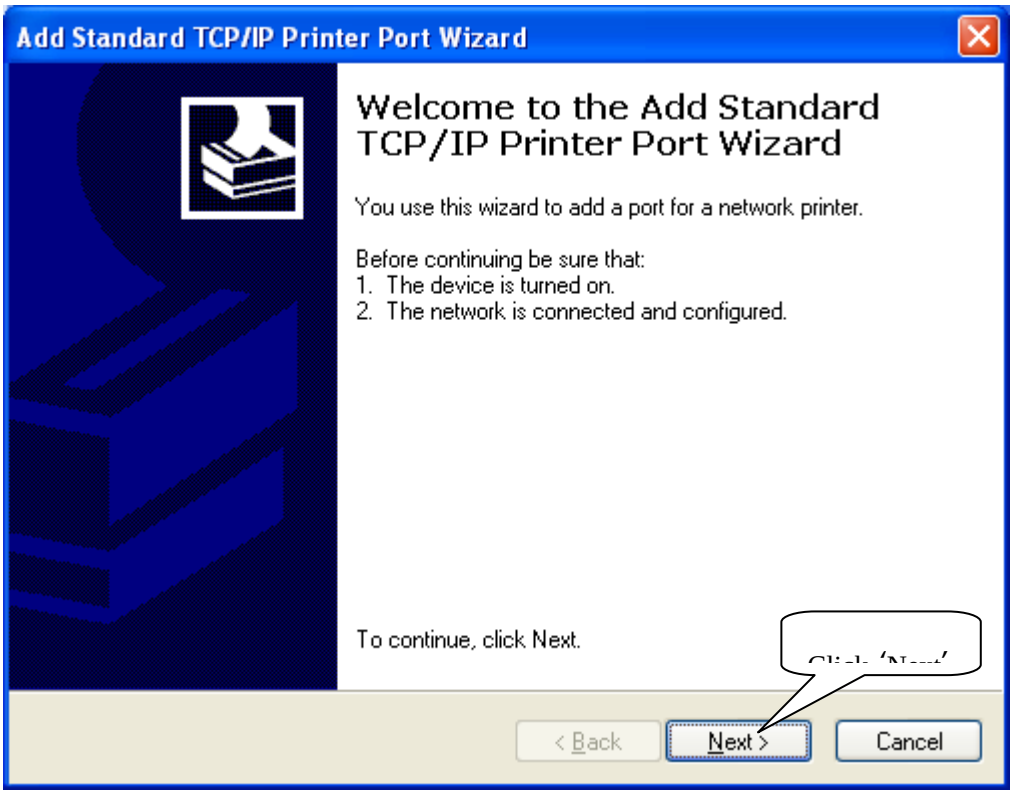

**Note: If you are not allowed to access to run as the administrator, please choose the item 'properties' directly after entering the Printer interface, as the window below:**

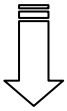


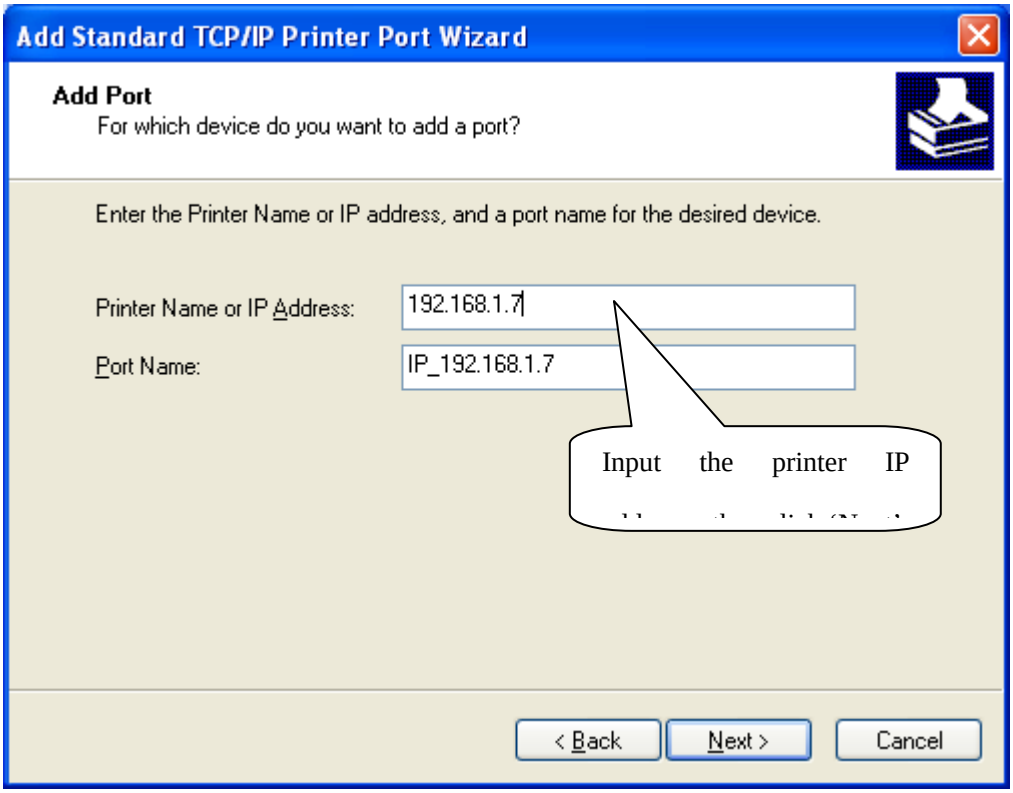
**Step 2:** create and configure port**.** Take the port creation and configuration in Windows XP system as an example:

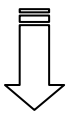


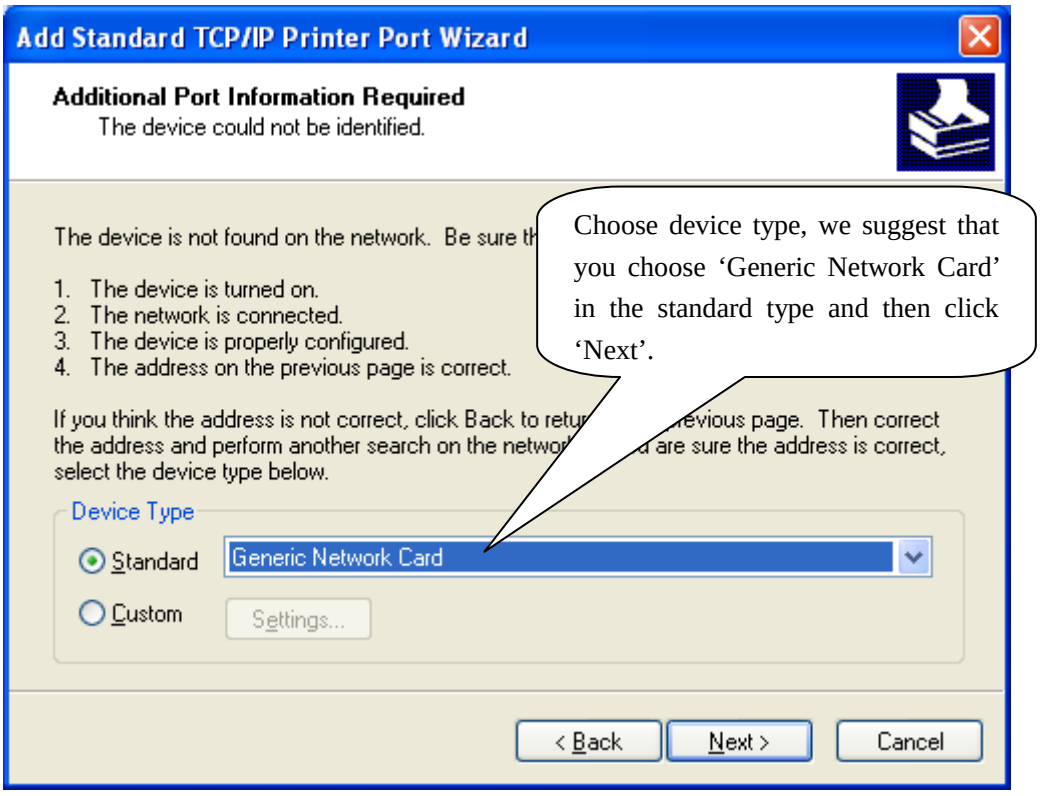



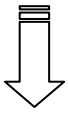

Add Standard TCP/IP Printer Port Wizard
Welcome to the Add Standard TCP/IP Printer Port Wizard
You use this wizard to add a port for a network printer.
Before continuing be sure that:
1. The device is turned on.
2. The network is connected and configured.
To continue, click Next.
< Back
Next >
Cancel

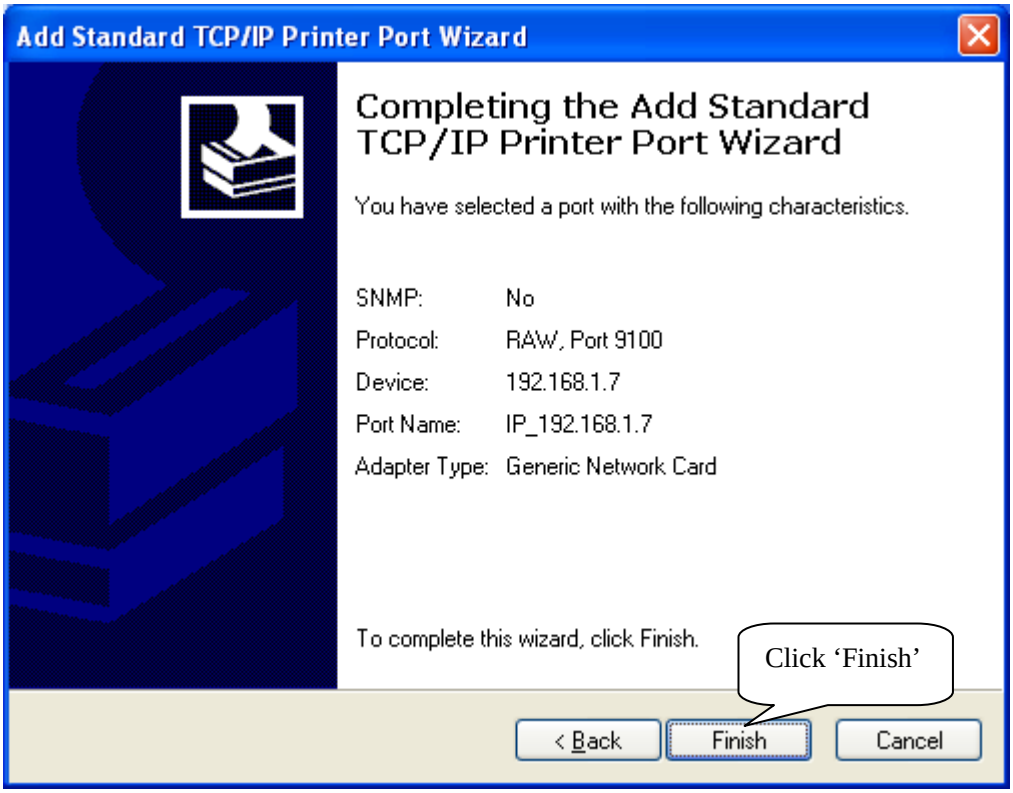


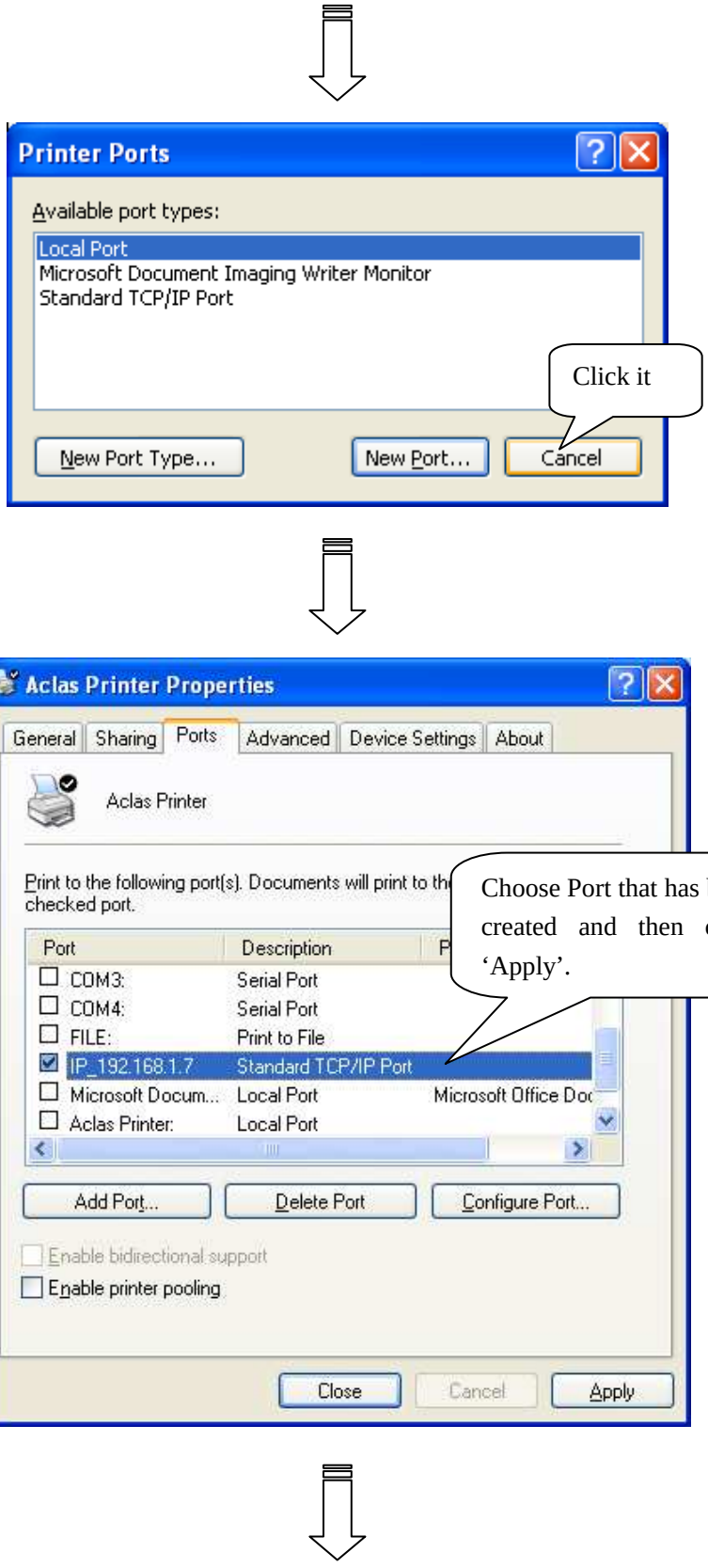

Add Standard TCP/IP Printer Port Wizard
Add Port
For which device do you want to add a port?
Enter the Printer Name or IP address, and a port name for the desired device.
Printer Name or IP Address:
192.168.1.7
Port Name:
IP_192.168.1.7
Input the printer IP
< Back
Next >
Cancel

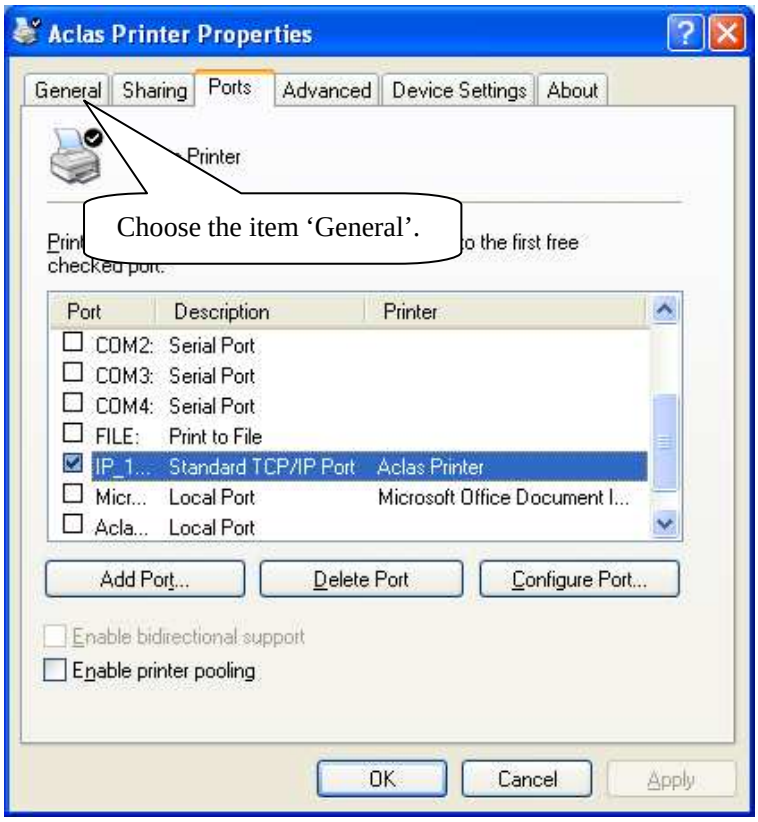


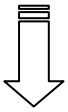

Add Standard TCP/IP Printer Port Wizard
Additional Port Information Required
The device could not be identified.
The device is not found on the network. Be sure th
1. The device is turned on.
2. The network is connected.
3. The device is properly configured.
4. The address on the previous page is correct.
If you think the address is not correct, click Back to retu revious page. Then correct the address and perform another search on the networ are sure the address is correct, select the device type below.
Device Type
Standard
Generic Network Card
Custom
Settings...
< Back
Next >
Cancel
Choose device type, we suggest that you choose 'Generic Network Card' in the standard type and then click 'Next'.

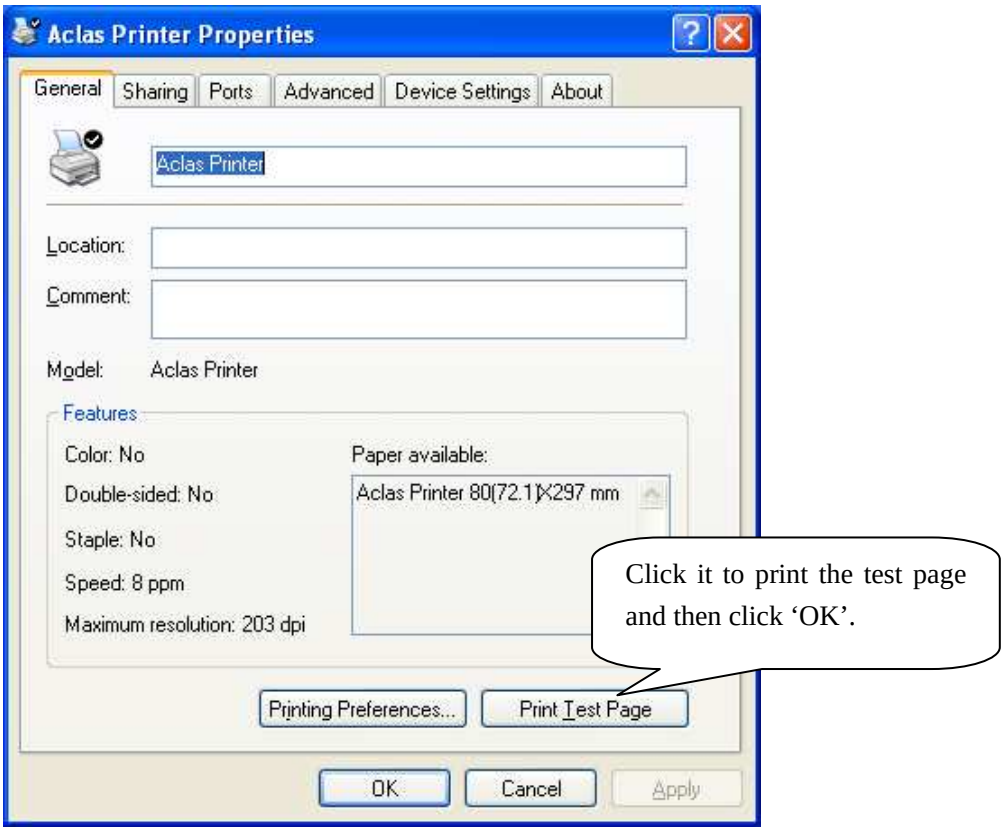



Add Standard TCP/IP Printer Port Wizard
Completing the Add Standard TCP/IP Printer Port Wizard
You have selected a port with the following characteristics.
SNMP: No
Protocol: RAW, Port 9100
Device: 192.168.1.7
Port Name: IP_192.168.1.7
Adapter Type: Generic Network Card
To complete this wizard, click Finish.
< Back
Finish
Cancel
Click 'Finish'


Printer Ports
Available port types:
Local Port
Microsoft Document Imaging Writer Monitor
Standard TCP/IP Port
Click it
New Port Type...
New Port...
Cancel
Aclas Printer Properties
General
Sharing
Ports
Advanced
Device Settings
About
Aclas Printer
Print to the following port(s). Documents will print to th
checked port.
Port
Description
COM3:
Serial Port
COM4:
Serial Port
FILE:
Print to File
IP_192.168.1.7
Standard TCP/IP Port
Microsoft Docum...
Local Port
Aclas Printer:
Local Port
Choose Port that has been created and then click 'Apply'.
Add Port...
Delete Port
Configure Port...
Enable bidirectional support
Enable printer pooling
Close
Cancel
Apply


Aclas Printer Properties
General
Sharing
Ports
Advanced
Device Settings
About
Choose the item ‘General’.
Port
Description
Printer
COM2: Serial Port
COM3: Serial Port
COM4: Serial Port
FILE: Print to File
IP_1... Standard TCP/IP Port Aclas Printer
Micr... Local Port Microsoft Office Document I...
Acla... Local Port
Add Port...
Delete Port
Configure Port...
Enable bidirectional support
Enable printer pooling
OK
Cancel
Apply



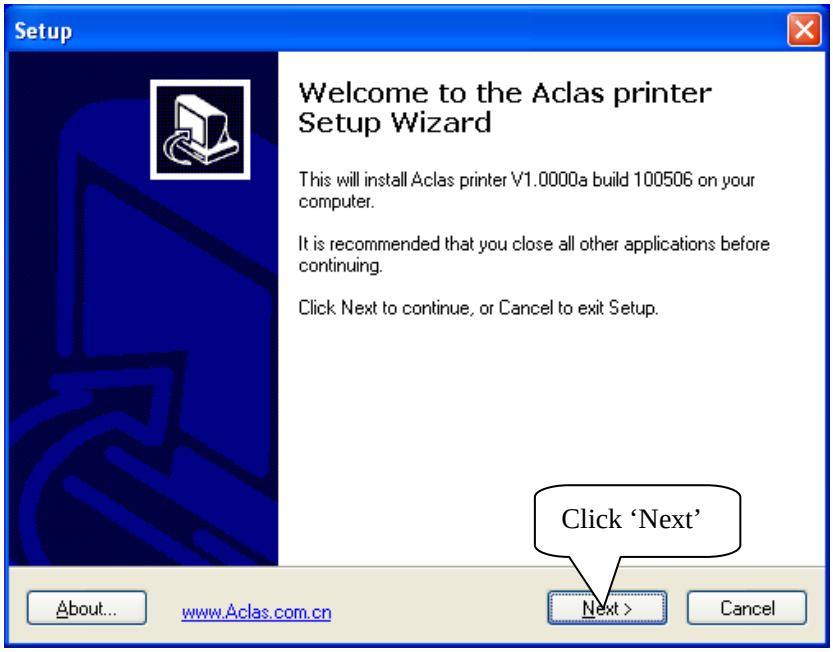

Aclas Printer Properties
General
Sharing
Ports
Advanced
Device Settings
About
Aclas Printer
Location:
Comment:
Model: Aclas Printer
Features
Color: No
Double-sided: No
Staple: No
Speed: 8 ppm
Maximum resolution: 203 dpi
Paper available:
Aclas Printer 80(72.1)X297 mm
Click it to print the test page and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

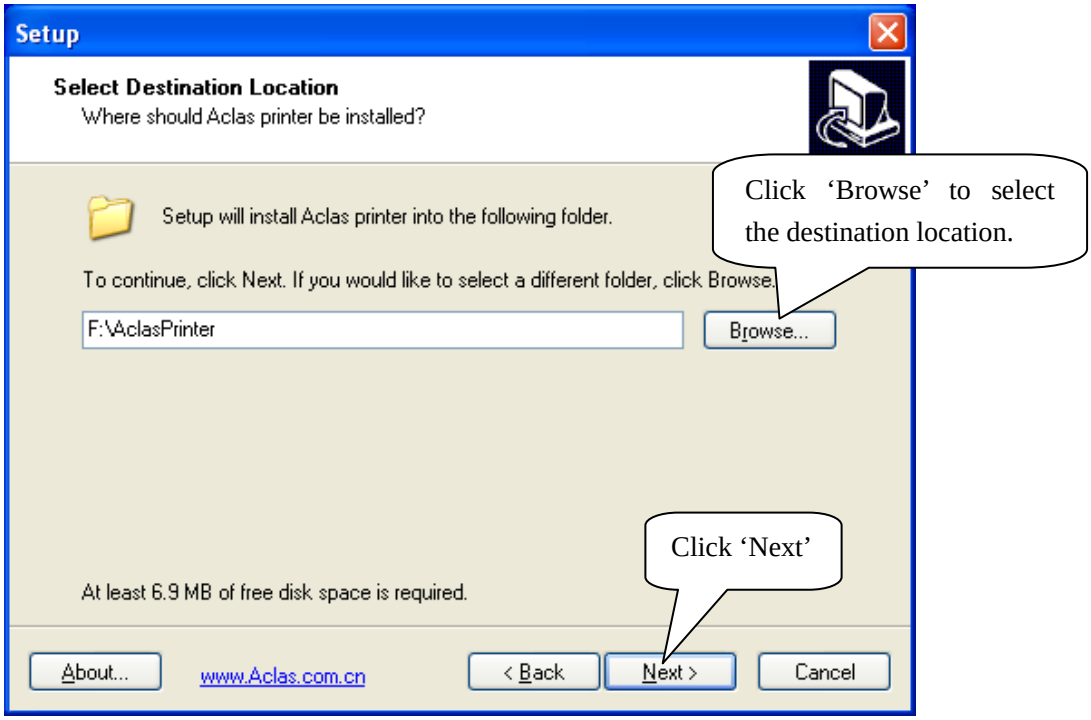
# 3 BT Printer Driver Installation

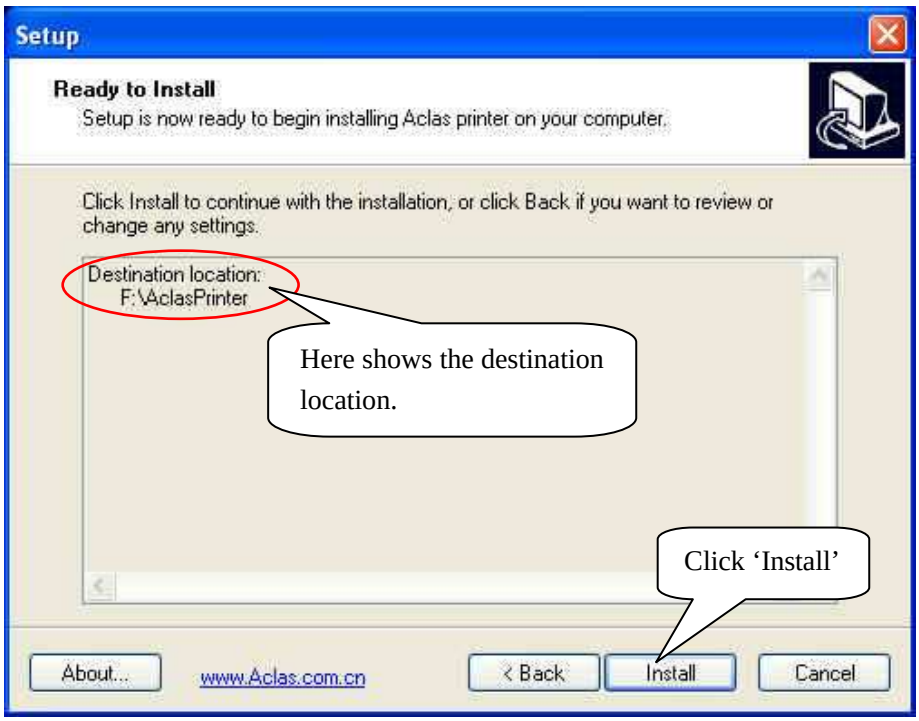
The communication distance of PP7 blue tooth printer is up to 10m without obstacle.

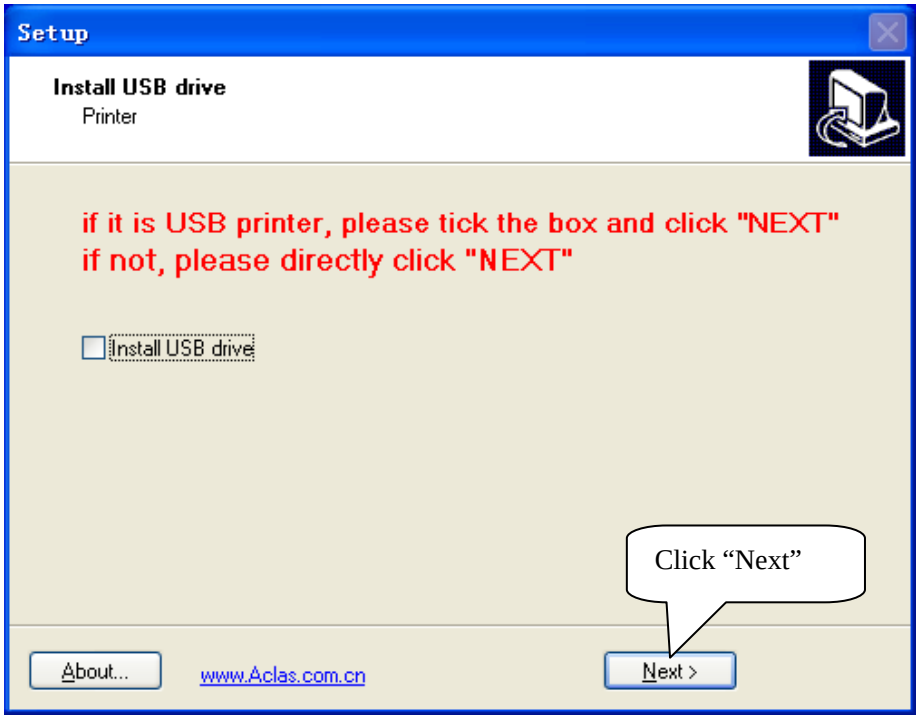
## 3.1 Printer Driver Installation

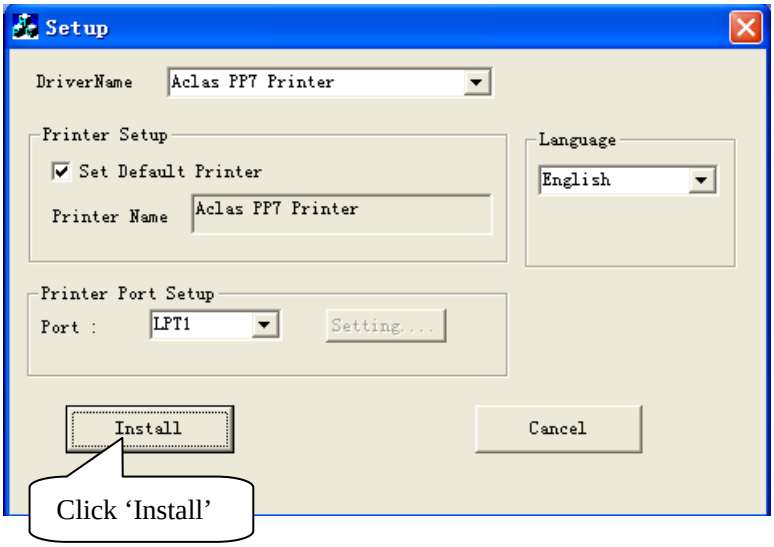
Connect the PP7X to PC, run the attached CD-disk and double click the file ‘Aclas printer.exe’ in the folder ‘Aclas Printer’ to install the printer driver.

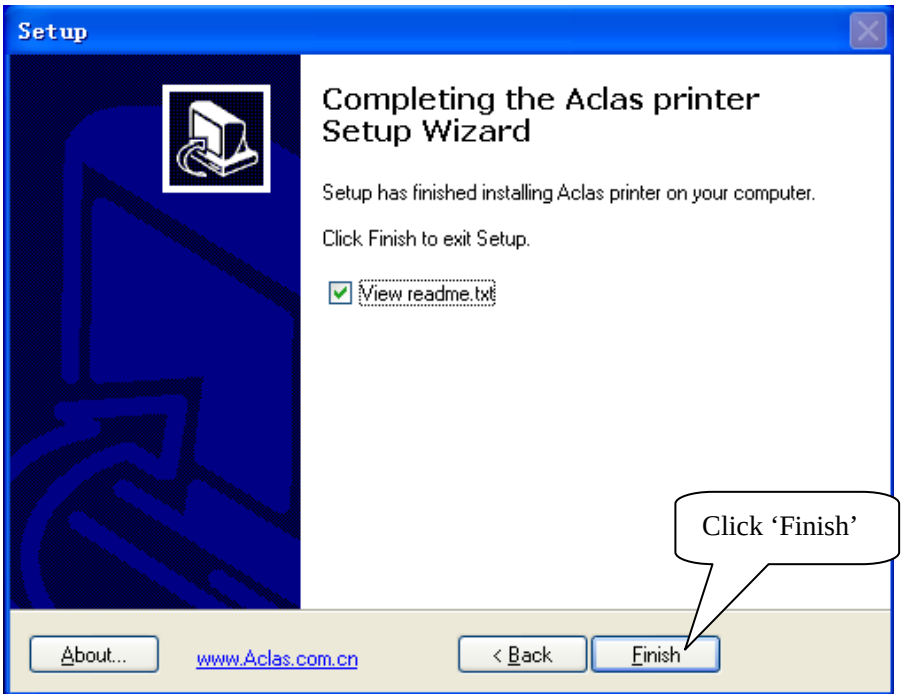



Setup
Select Destination Location
Where should Aclas printer be installed?
Setup will install Aclas printer into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
F:\AclasPrinter
Browse...
Click 'Browse' to select the destination location.
Click 'Next'
At least 6.9 MB of free disk space is required.
About...
www.Aclas.com.cn
< Back
Next >
Cancel


Setup
Ready to Install
Setup is now ready to begin installing Aclas printer on your computer.
Click Install to continue with the installation, or click Back if you want to review or change any settings.
Destination location:
F:\AclasPrinter
Here shows the destination location.
Click 'Install'
About...
www.Aclas.com.cn
< Back
Install
Cancel


Setup
Install USB drive
Printer
if it is USB printer, please tick the box and click "NEXT"
if not, please directly click "NEXT"
Install USB drive
Click “Next”
About...
www.Aclas.com.cn
Next >


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


Setup
Completing the Aclas printer Setup Wizard
Setup has finished installing Aclas printer on your computer.
Click Finish to exit Setup.
View readme.txt
Click 'Finish'
About...
www.Aclas.com.cn
< Back
Finish

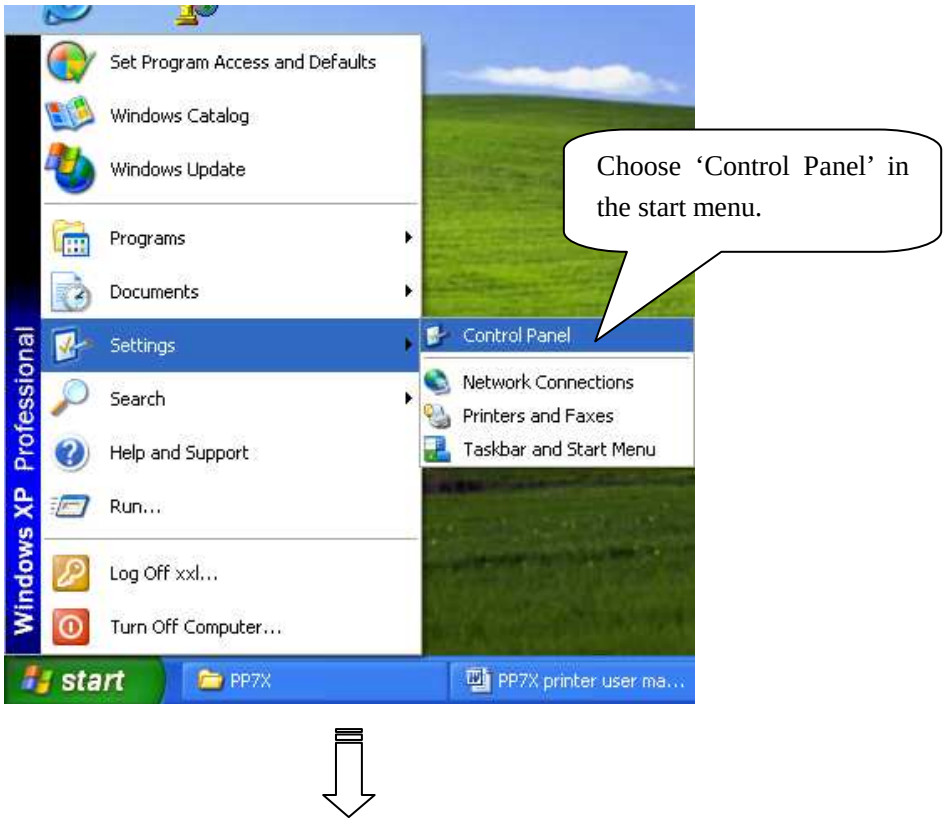
## 3.2 BT Dongle Installation

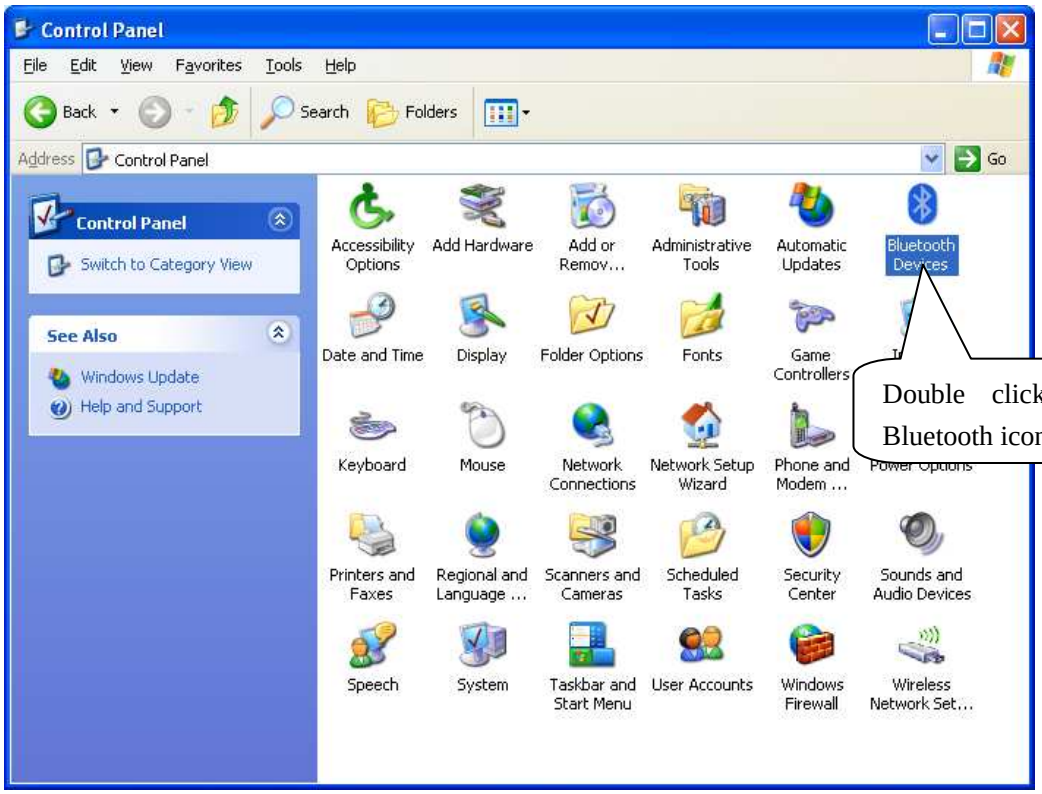
**To connect PP7 blue tooth printer to PC, users may buy an Aclas BT dongle to enable PC with blue tooth function.**

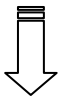
The advantage of the Aclas BT dongle is: it could quickly find the surrounding BT devices that will be matched with rather than costing a long time to search the device.

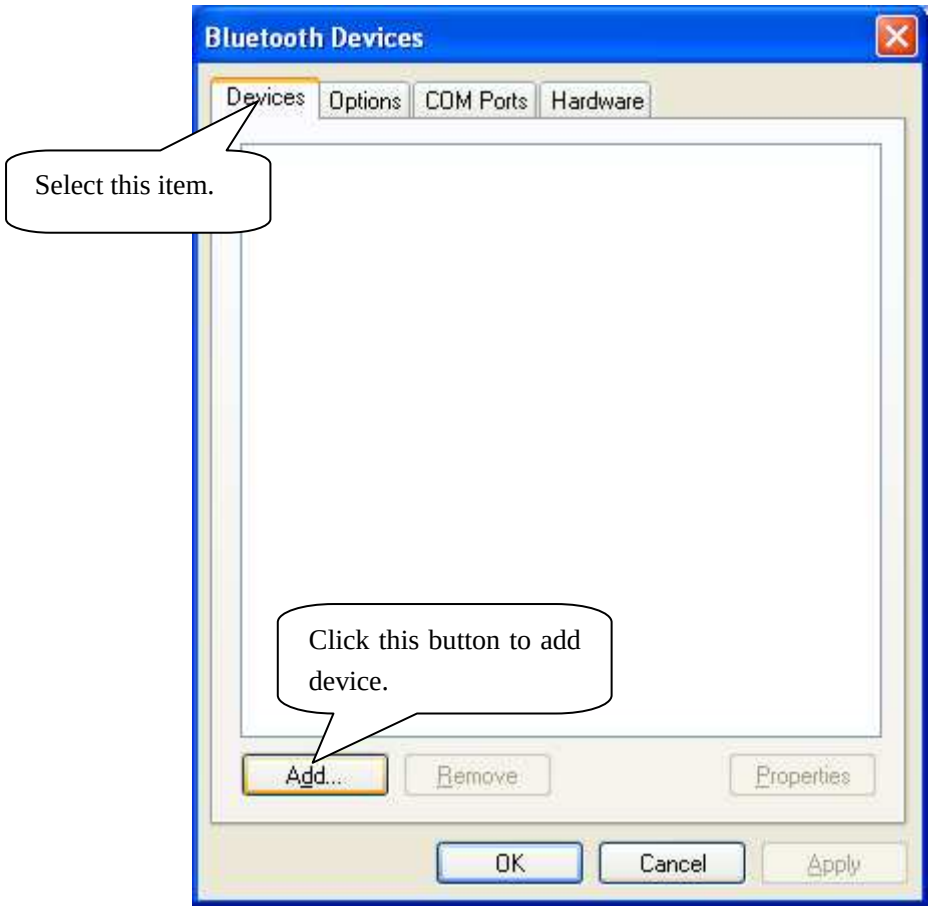
This method is suitable for windows XP/VISTA OS.

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.

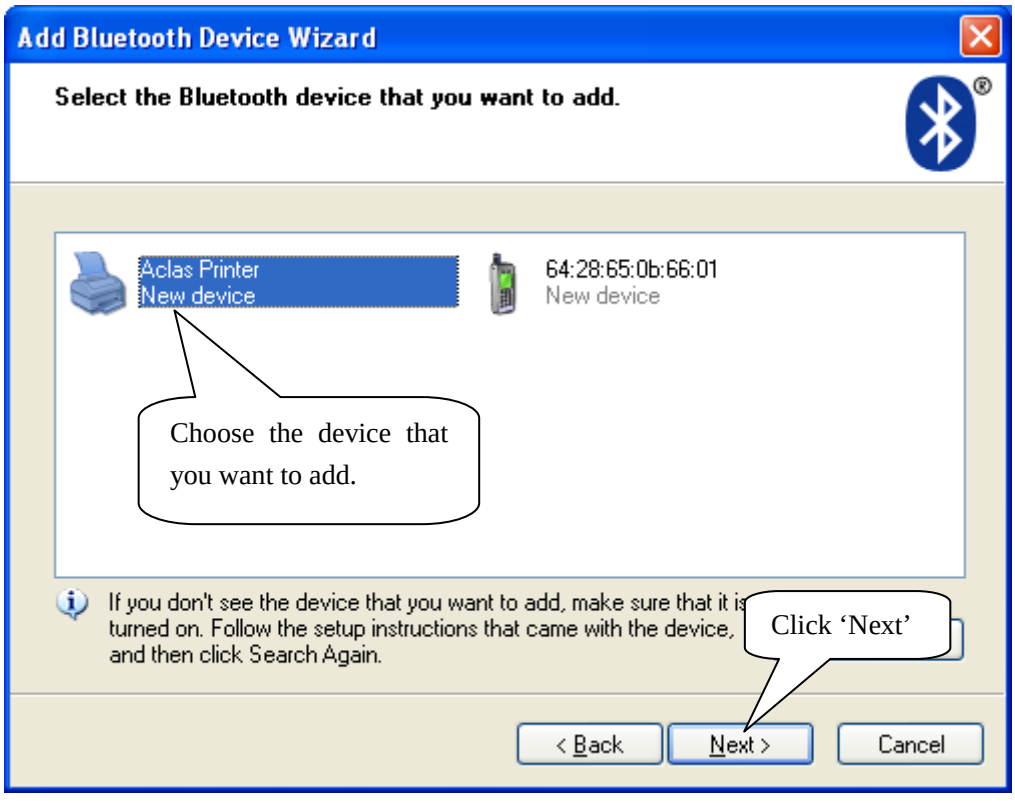


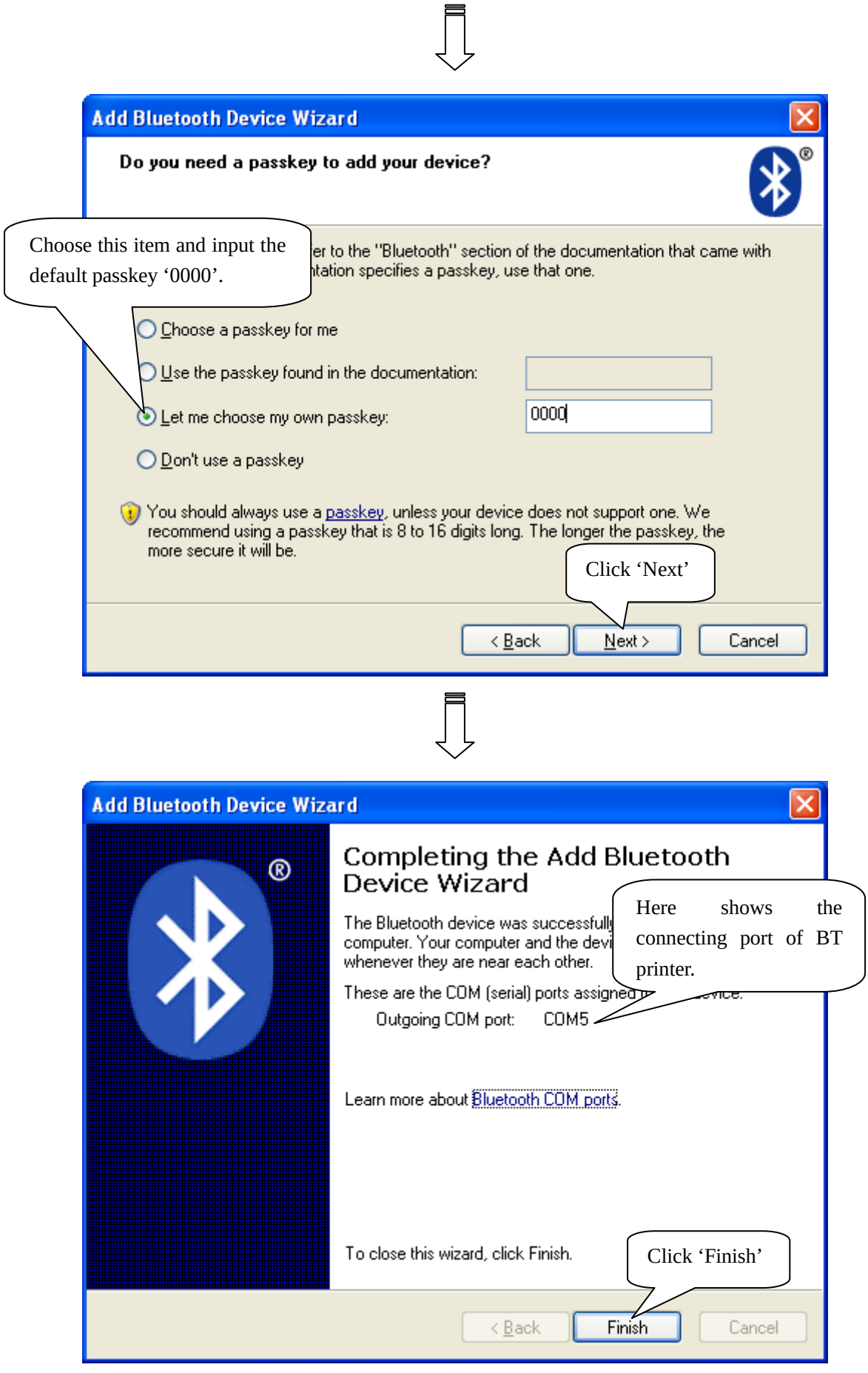

Control Panel
File Edit View Favorites Tools Help
Back Search Folders
Address Control Panel
Go
Control Panel
Switch to Category View
See Also
Windows Update
Help and Support
Accessibility Options
Add Hardware
Add or Remov...
Administrative Tools
Automatic Updates
Bluetooth Devices
Date and Time
Display
Folder Options
Fonts
Game Controllers
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
- Mak
- Give
- Pres
device
(key
Select 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

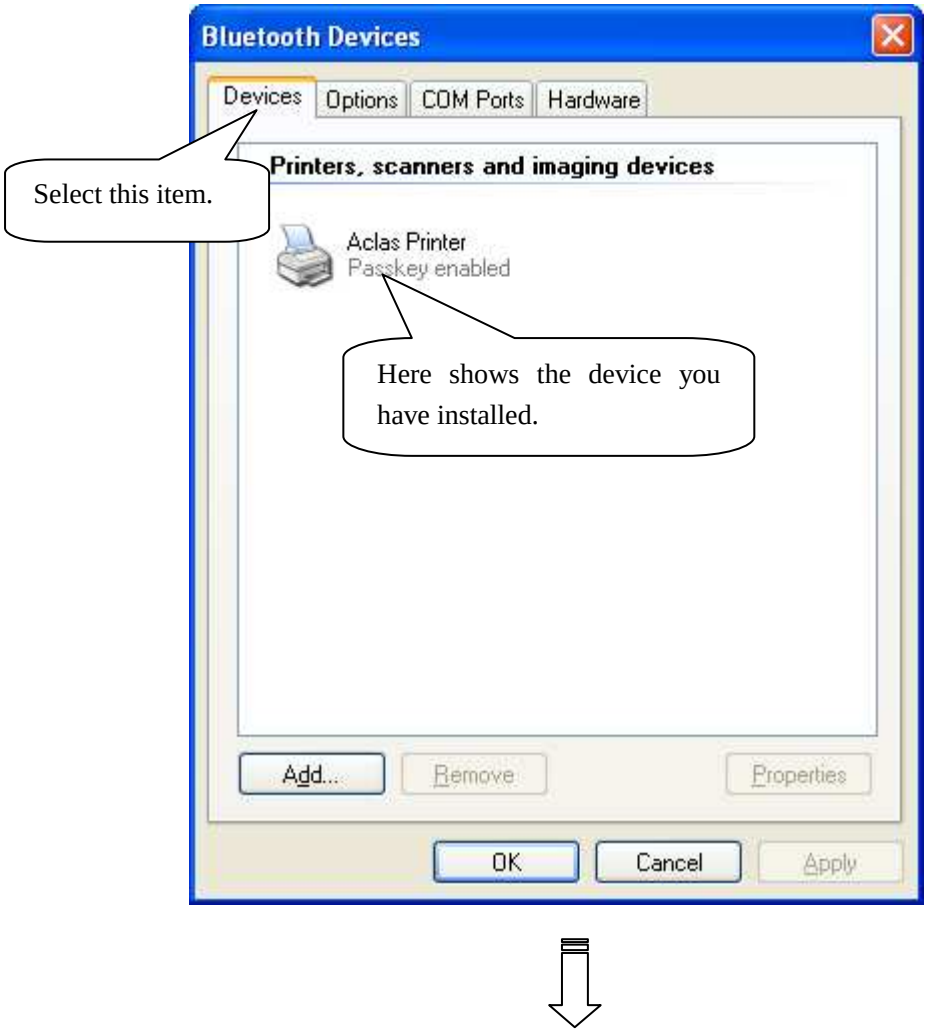

Add Bluetooth Device Wizard
Select the Bluetooth device that you want to add.
Aclas Printer
New device
64:28:65:0b:66:01
New device
Choose the device that you want to add.
If you don't see the device that you want to add, make sure that it is turned on. Follow the setup instructions that came with the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

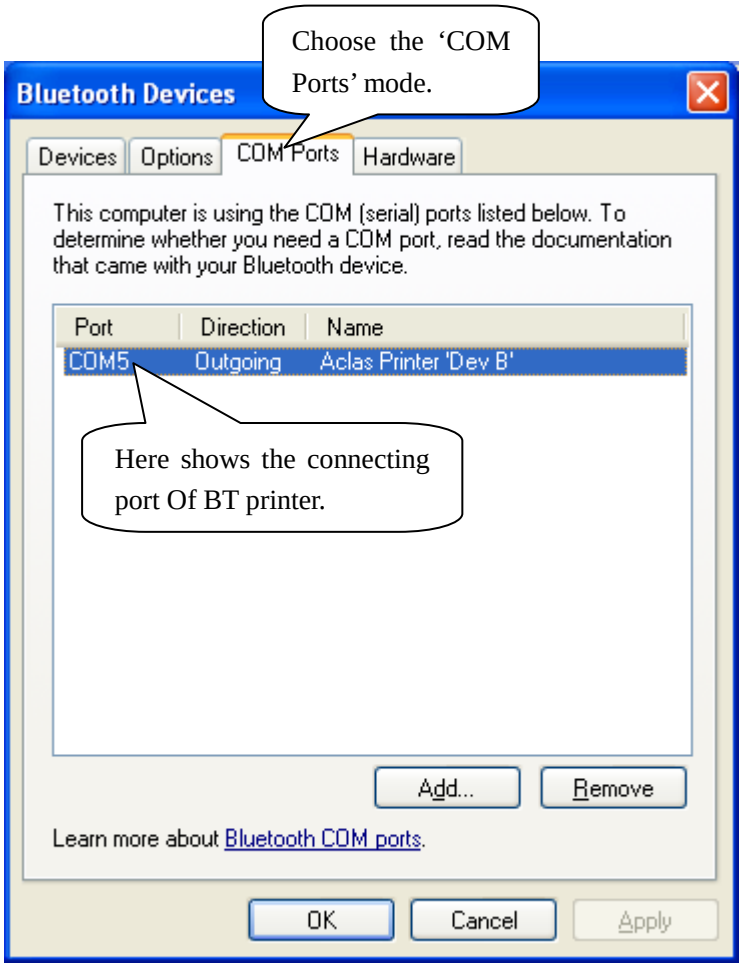

Add Bluetooth Device Wizard
Do you need a passkey to add your device?
Choose this item and input the default passkey '0000'.
Choose a passkey for me
Use the passkey found in the documentation:
Let me choose my own passkey:
0000
Don't use a passkey
You should always use a passkey, unless your device does 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
Add Bluetooth Device Wizard
Completing the Add Bluetooth Device Wizard
Here shows the connecting port of BT printer.
Outgoing COM port: COM5
Learn more about Bluetooth COM ports.
To close this wizard, click Finish.
Click 'Finish'
< Back
Finish
Cancel

## 3.3 How to Know the Connecting Port

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

Double click the icon .

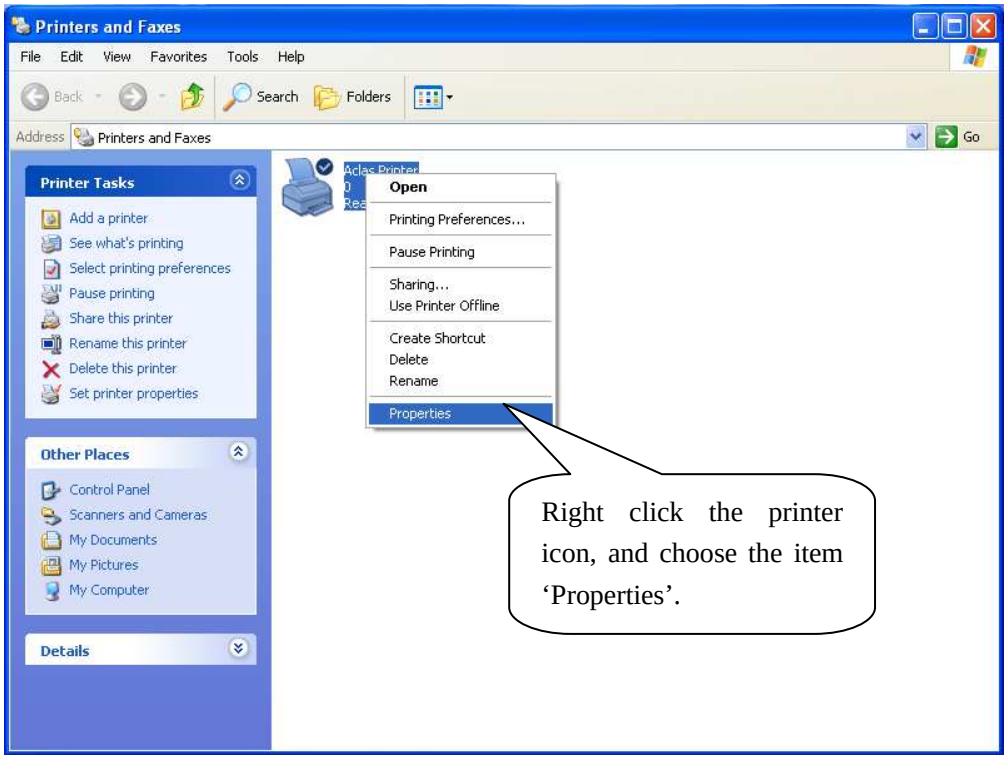




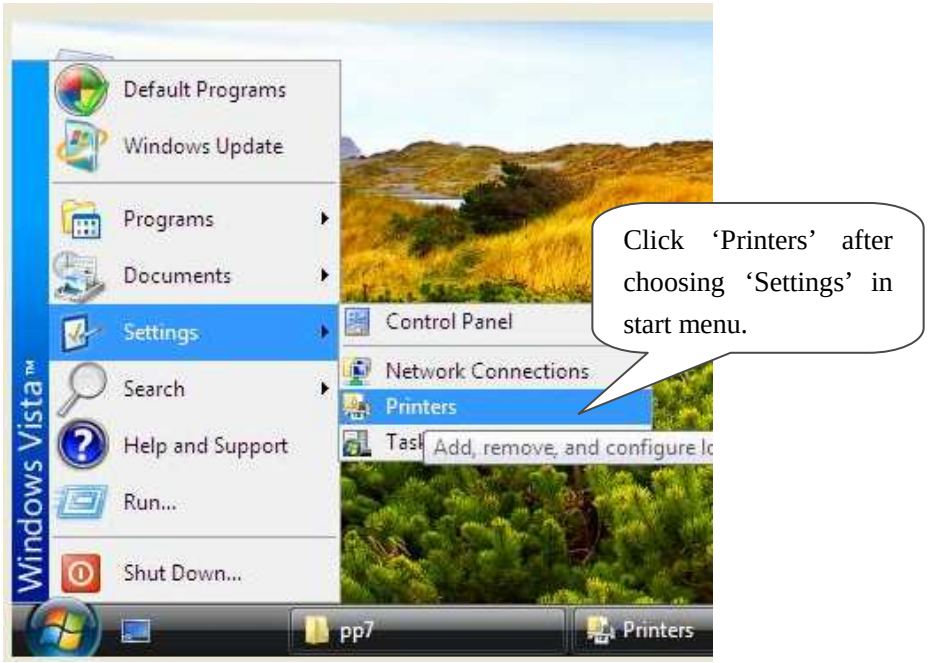

## 3.4 How to Configure Port

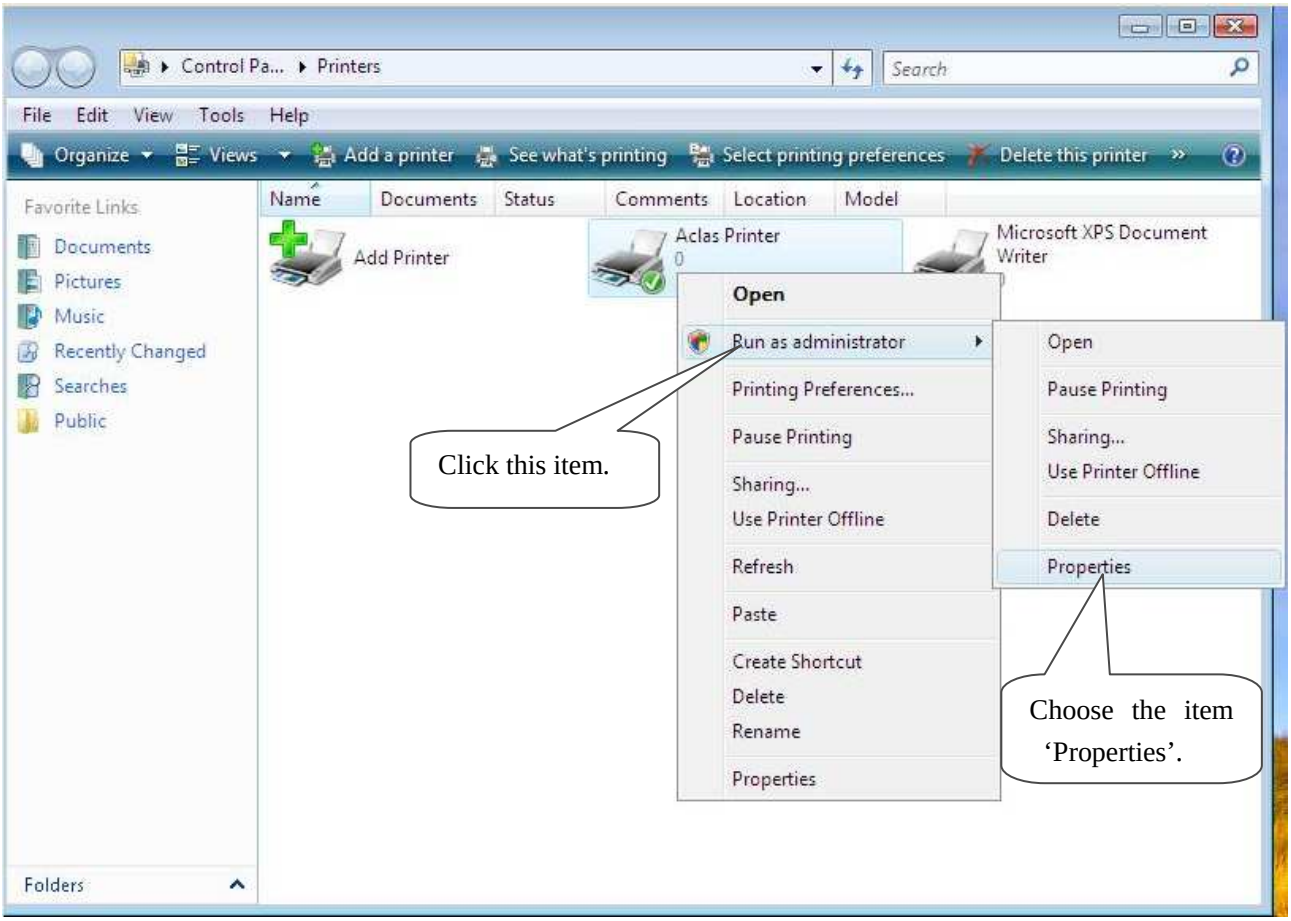
Enter 'properties' interface of the printer first to configure port after knowing the connecting port.

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

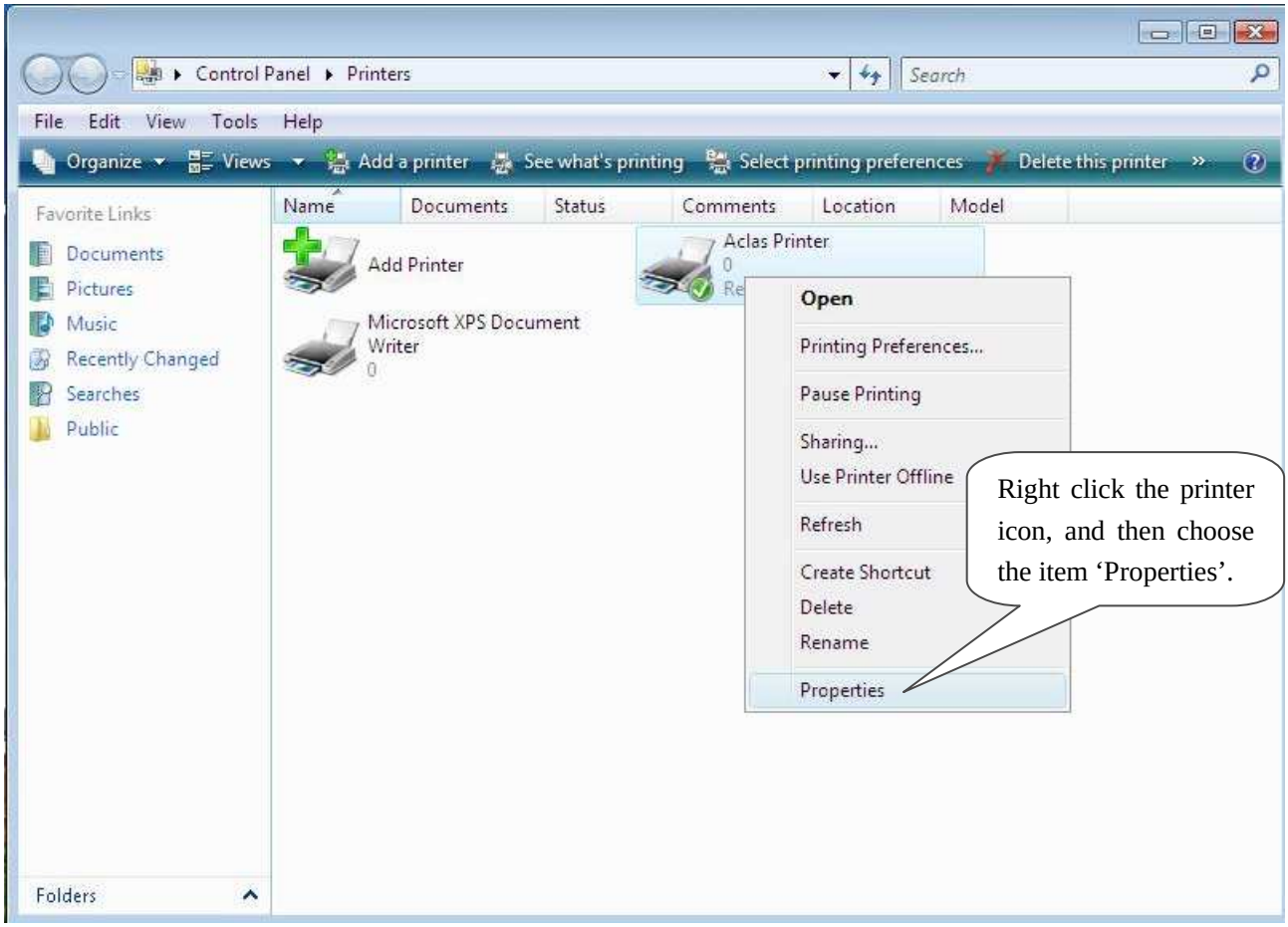



➢ If your PC is installed with Vista system, please follow the below steps to enter 'properties' interface.

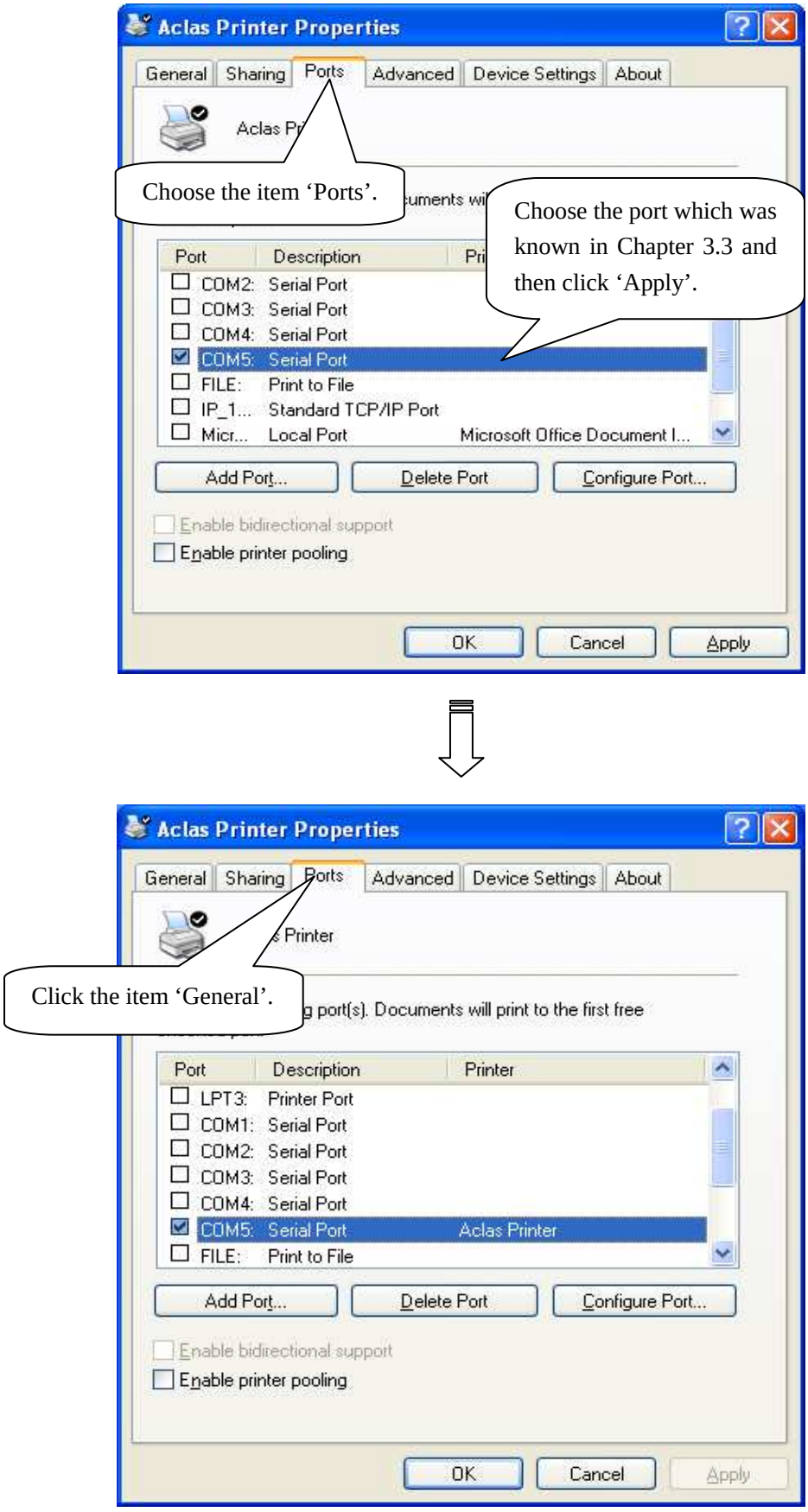


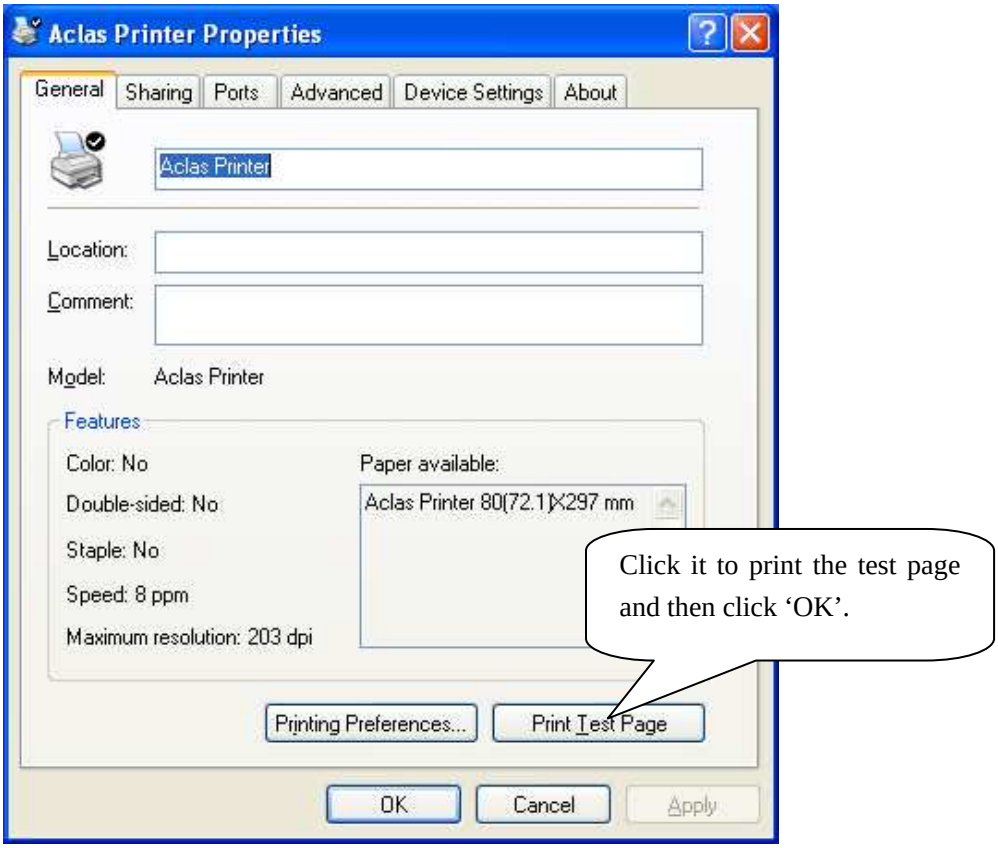

Control Pa... ▸ Printers
Search
File Edit View Tools Help
Organize Views Add a printer See what's printing Select printing preferences Delete this printer
Favorite Links
Documents
Pictures
Music
Recently Changed
Searches
Public
Folders
Name Documents Status Comments Location Model
Add Printer
Aclas Printer
0
Microsoft XPS Document Writer
Open
Run as administrator
Printing Preferences...
Pause Printing
Sharing...
Use Printer Offline
Refresh
Paste
Create Shortcut
Delete
Rename
Properties
Open
Pause Printing
Sharing...
Use Printer Offline
Delete
Properties
Click this item.
Choose the item 'Properties'.

**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:**



After entering ‘properties’ interface, you can configure port. The port configuration steps of PC with Windows XP system and PC with Vista system are the same. Take the port configuration steps of PC with Windows XP system for example:




Aclas Printer Properties
General
Sharing
Ports
Advanced
Device Settings
About
Aclas Printer
Location:
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
Printing Preferences...
Print Test Page
OK
Cancel
Apply
Click it to print the test page and then click 'OK'.

# 4 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

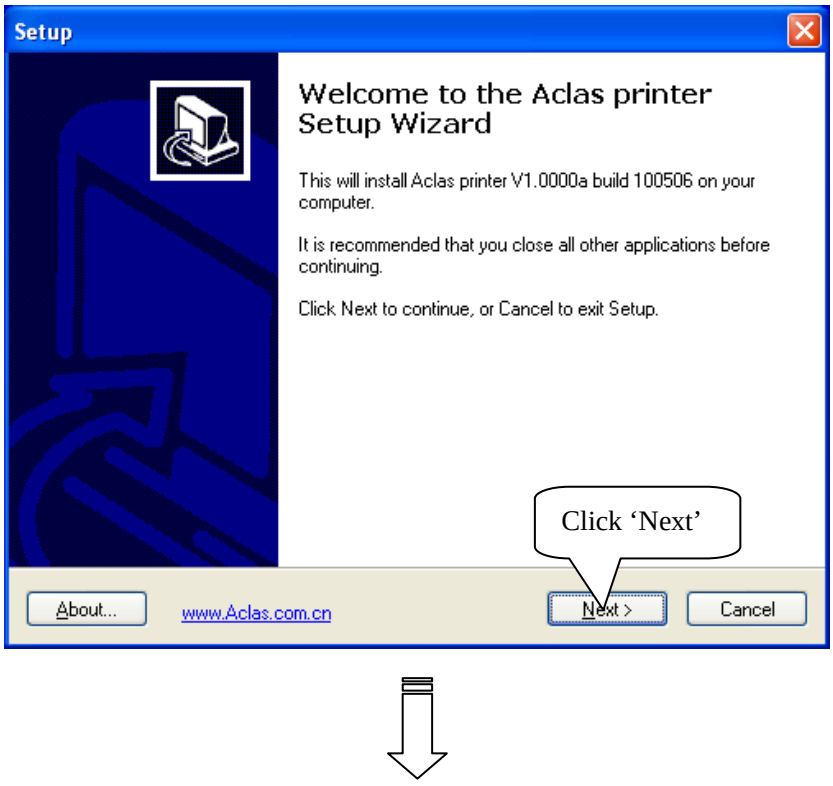
PP7X printers of this model are able to communicate with PC by two ways, via 433MHz Base Station or 2.4G Dongle. If you use 433MHz Base Station, please refer to Chapter 4.2; if use 2.4G Dongle, please refer to Chapter 4.3.

## 4.1 Printer Driver Installation

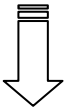
**Note: The working baudrate of wireless 433 printer is '9600', its printing speed is relatively lower. It had better not use driver printing, we suggest that you adopt command print.**

The installation of printer driver is as follow.

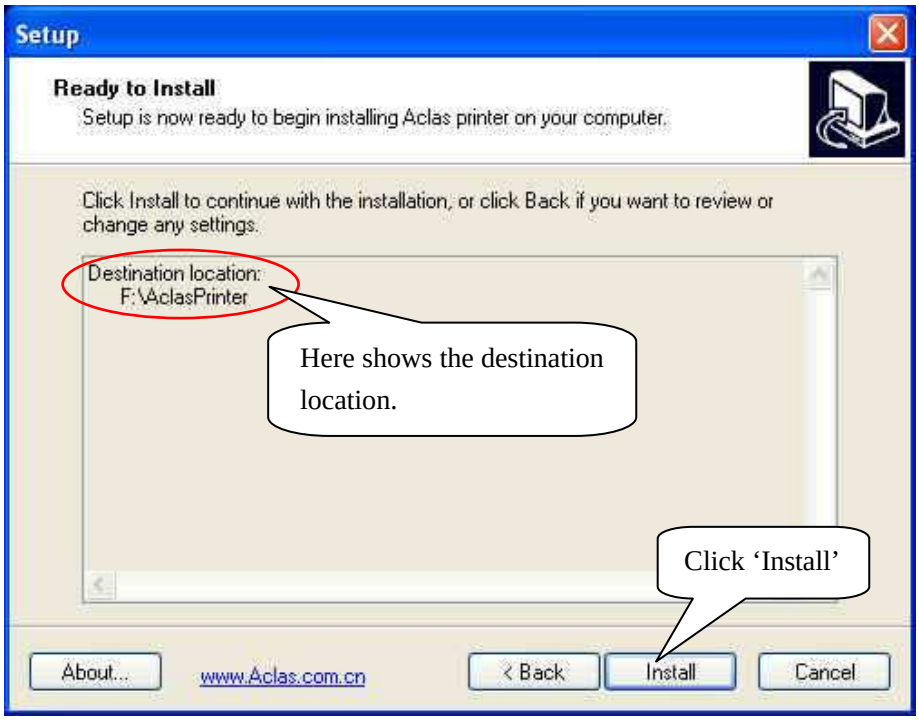
Connect the PP7X to PC, run the attached CD-disk and double click the file 'Aclas printer.exe' in the folder 'Aclas Printer' to install the printer driver.

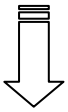


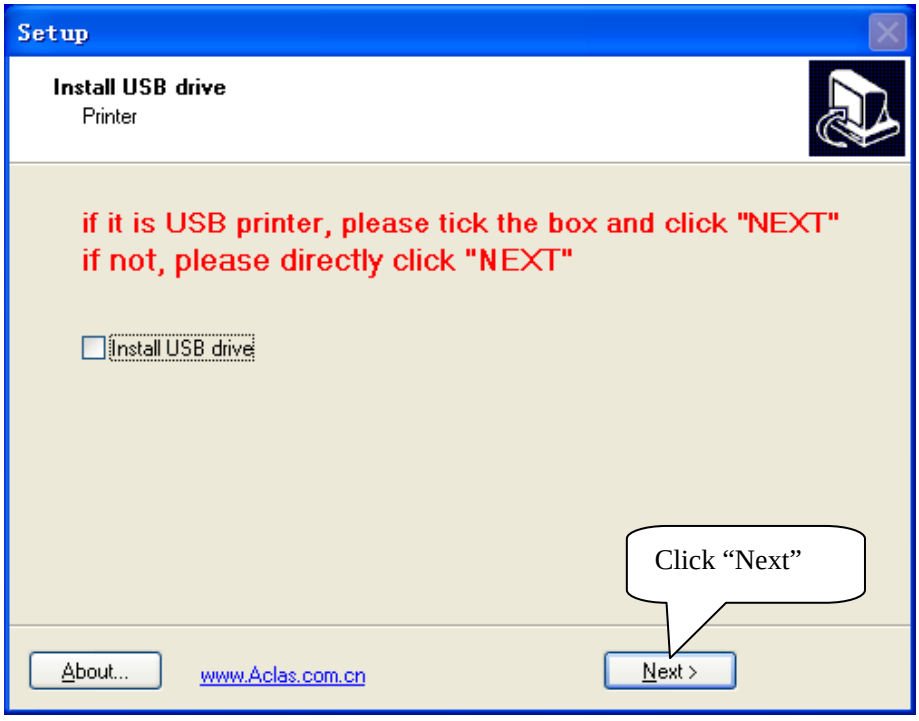
Setup
Welcome to install Aclas Printer
Printer
Click 'Next'
About...
www.Aclas.com.cn
< Back
Next >
Cancel

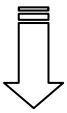


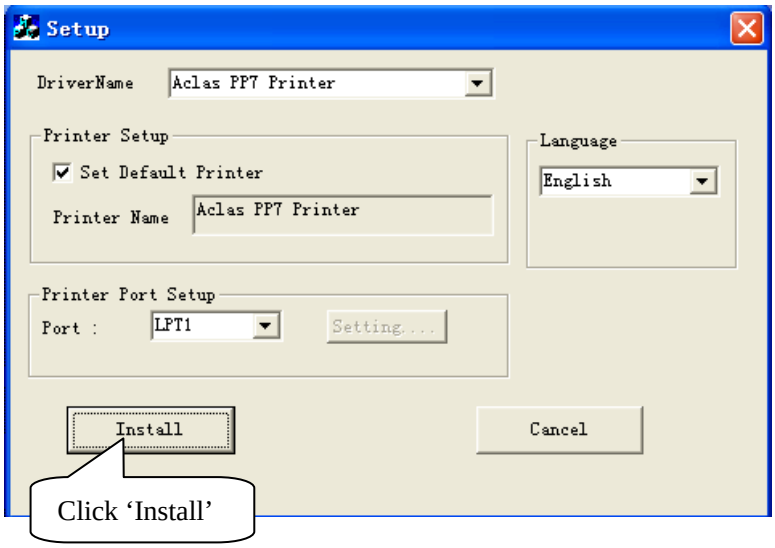
Setup
Select Destination Location
Where should Aclas printer be installed?
Setup will install Aclas printer into the following folder.
Click 'Browse' to select the destination location.
To continue, click Next. If you would like to select a different folder, click Browse.
F:\AclasPrinter
Browse...
Click 'Next'
At least 6.9 MB of free disk space is required.
About...
www.Aclas.com.cn
< Back
Next >
Cancel

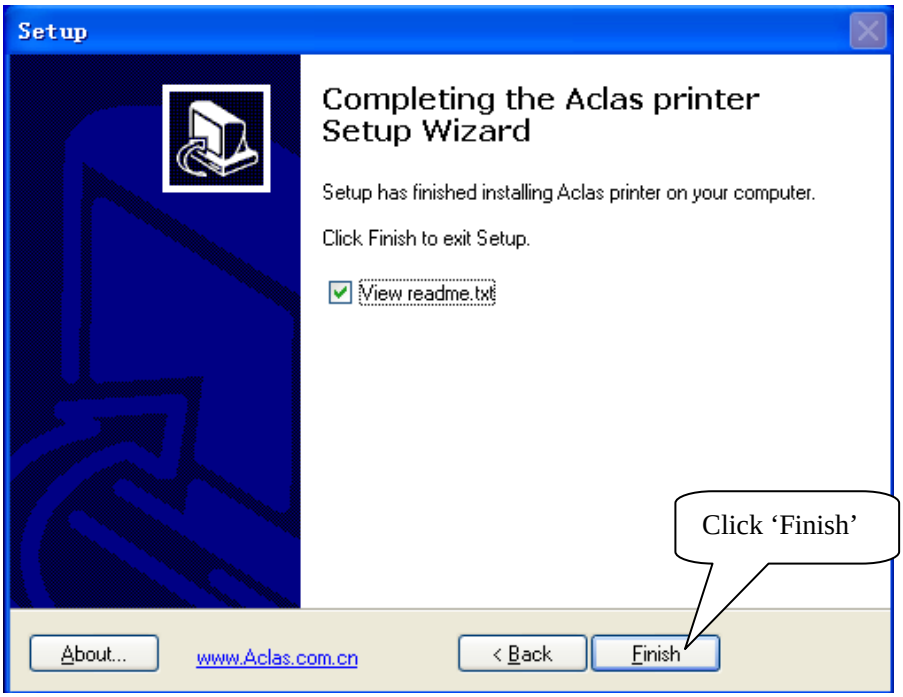

Setup
Ready to Install
Setup is now ready to begin installing Aclas printer on your computer.
Click Install to continue with the installation, or click Back if you want to review or change any settings.
Destination location:
F:\AclasPrinter
Here shows the destination location.
Click 'Install'
About...
www.Aclas.com.cn
< Back
Install
Cancel




Setup
Install USB drive
Printer
if it is USB printer, please tick the box and click "NEXT"
if not, please directly click "NEXT"
Install USB drive
Click "Next"
About...
www.Aclas.com.cn
Next >




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

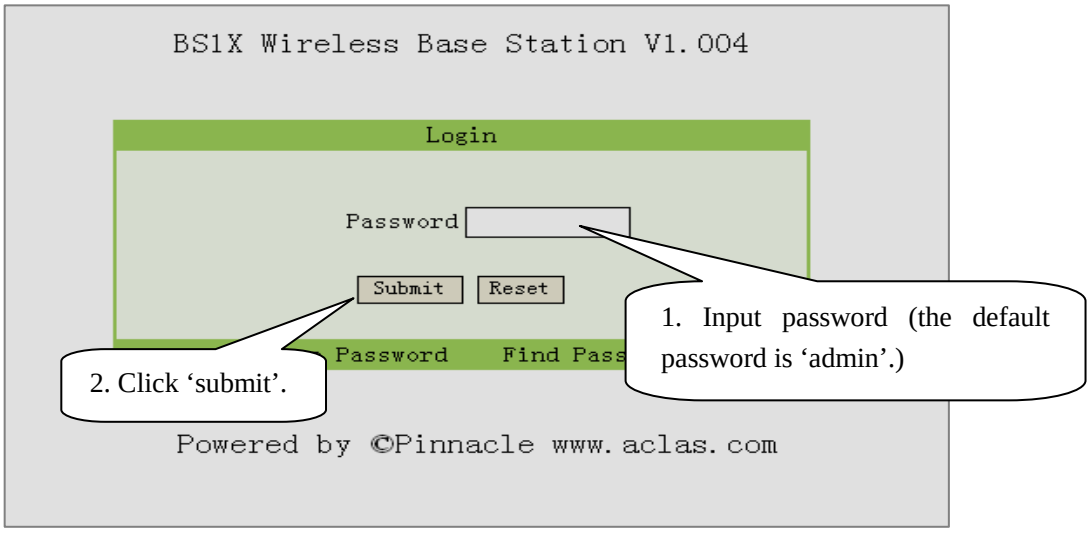

Setup
Completing the Aclas printer Setup Wizard
Setup has finished installing Aclas printer on your computer.
Click Finish to exit Setup.
View readme.txt
Click 'Finish'
About...
www.Aclas.com.cn
< Back
Finish

## 4.2 Wireless 433MHz Base Station

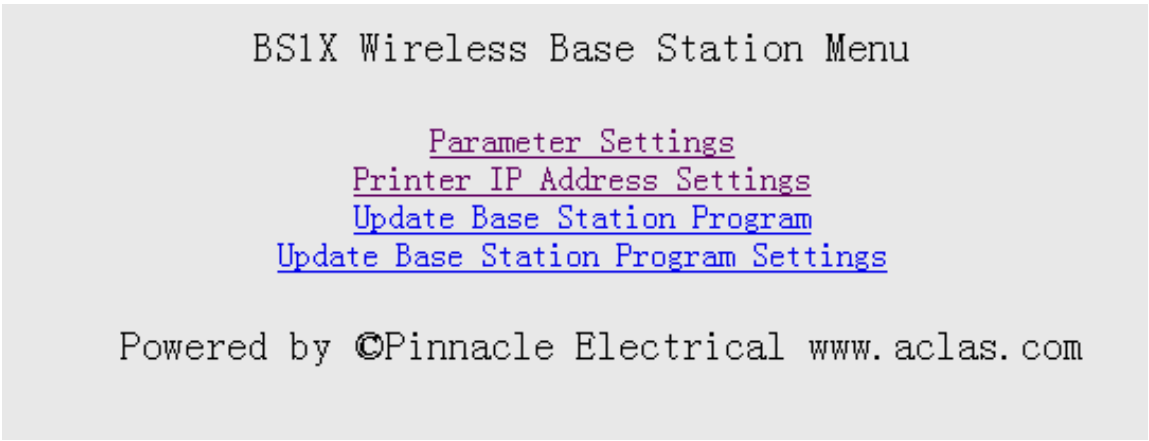
➢ **Wireless Printer Setting:**

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

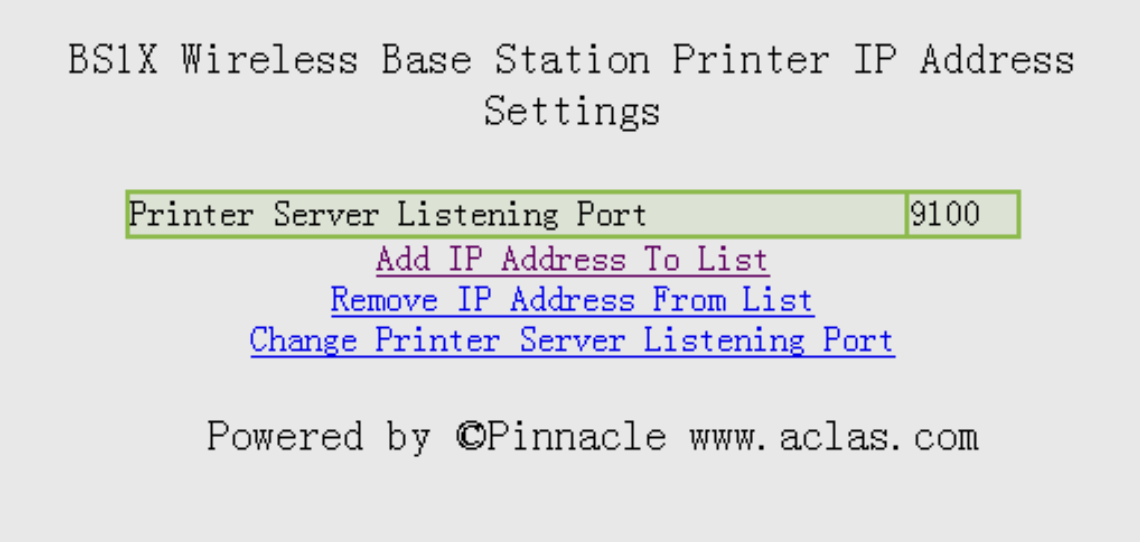
1. Power on BS via power supply adaptor, the power indicator light lightened.
2. Connect BS with PC via Ethernet.
3. Double click 'Internet Explorer' on your PC desktop, input Base Station IP '192.168.1.14', and then press [Enter] on your keyboard, system displays as follows:



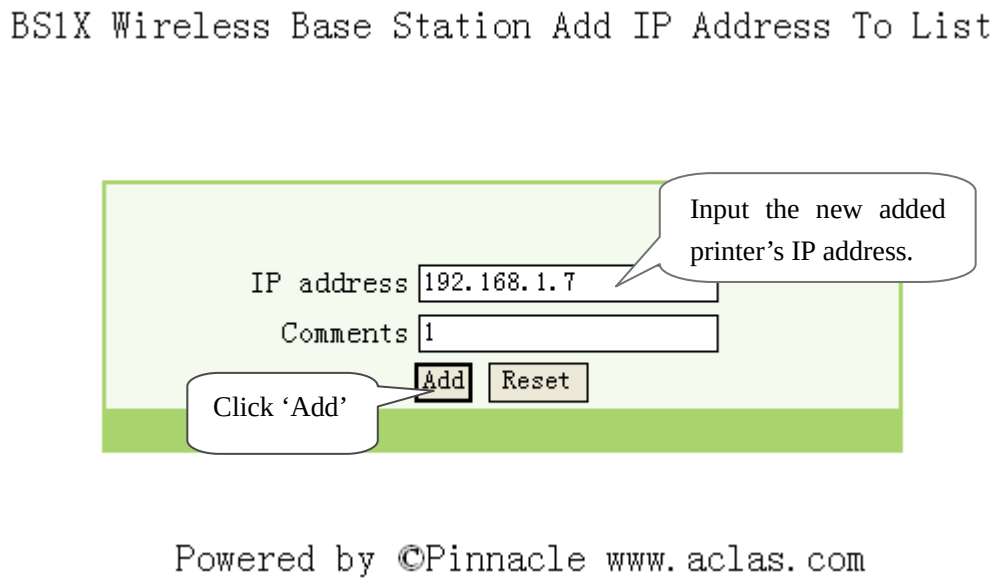

4. Enter 'station menu' interface, choose 'Printer IP Address Settings' item:



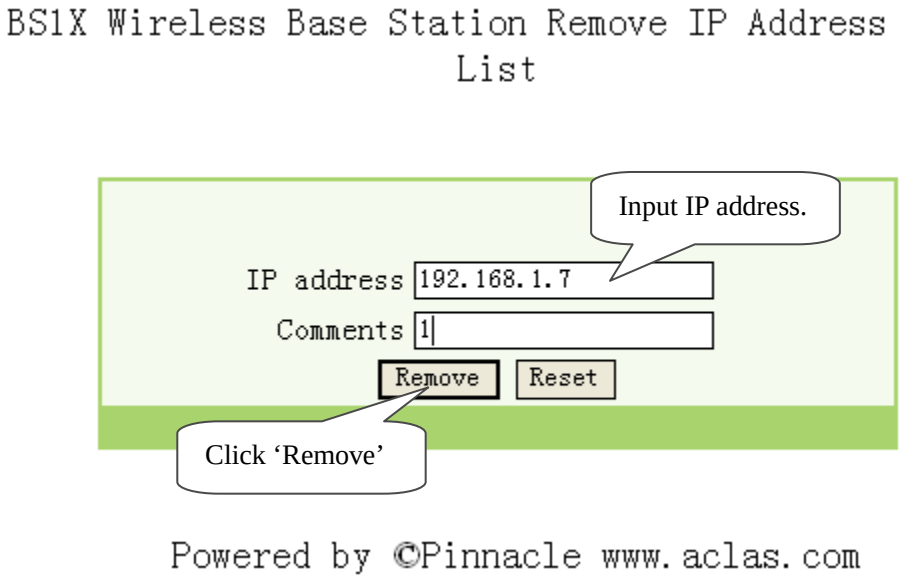
Add, Remove, or Change printer server listening port in the interface below:




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’.

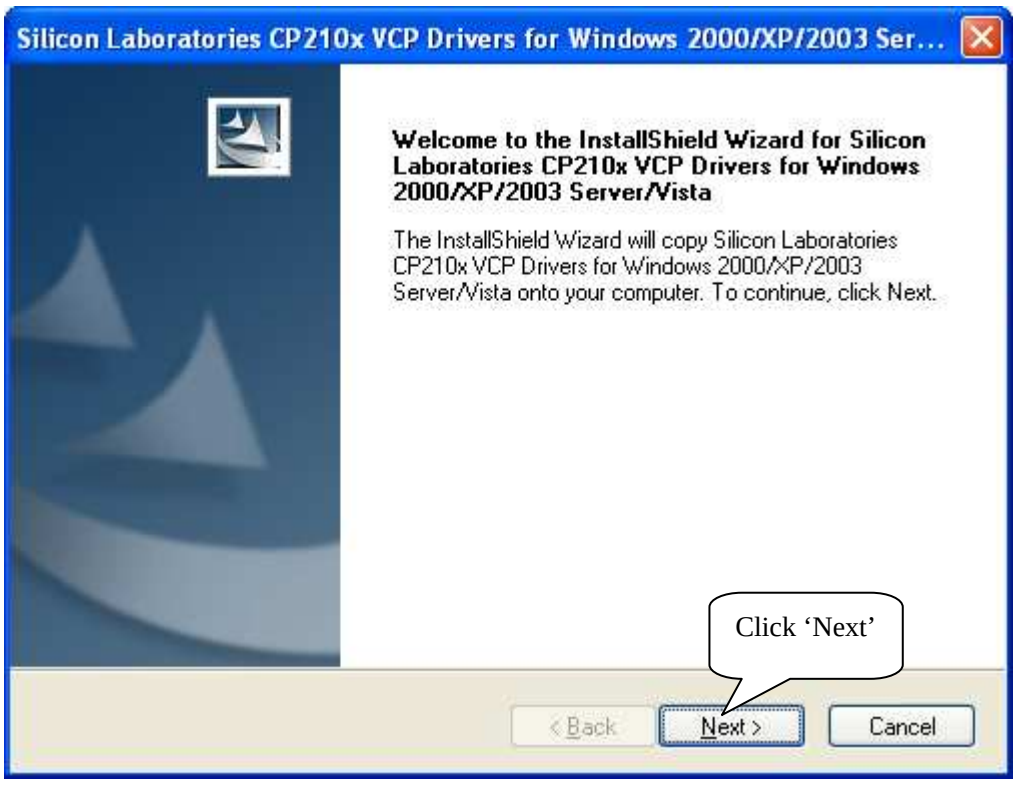


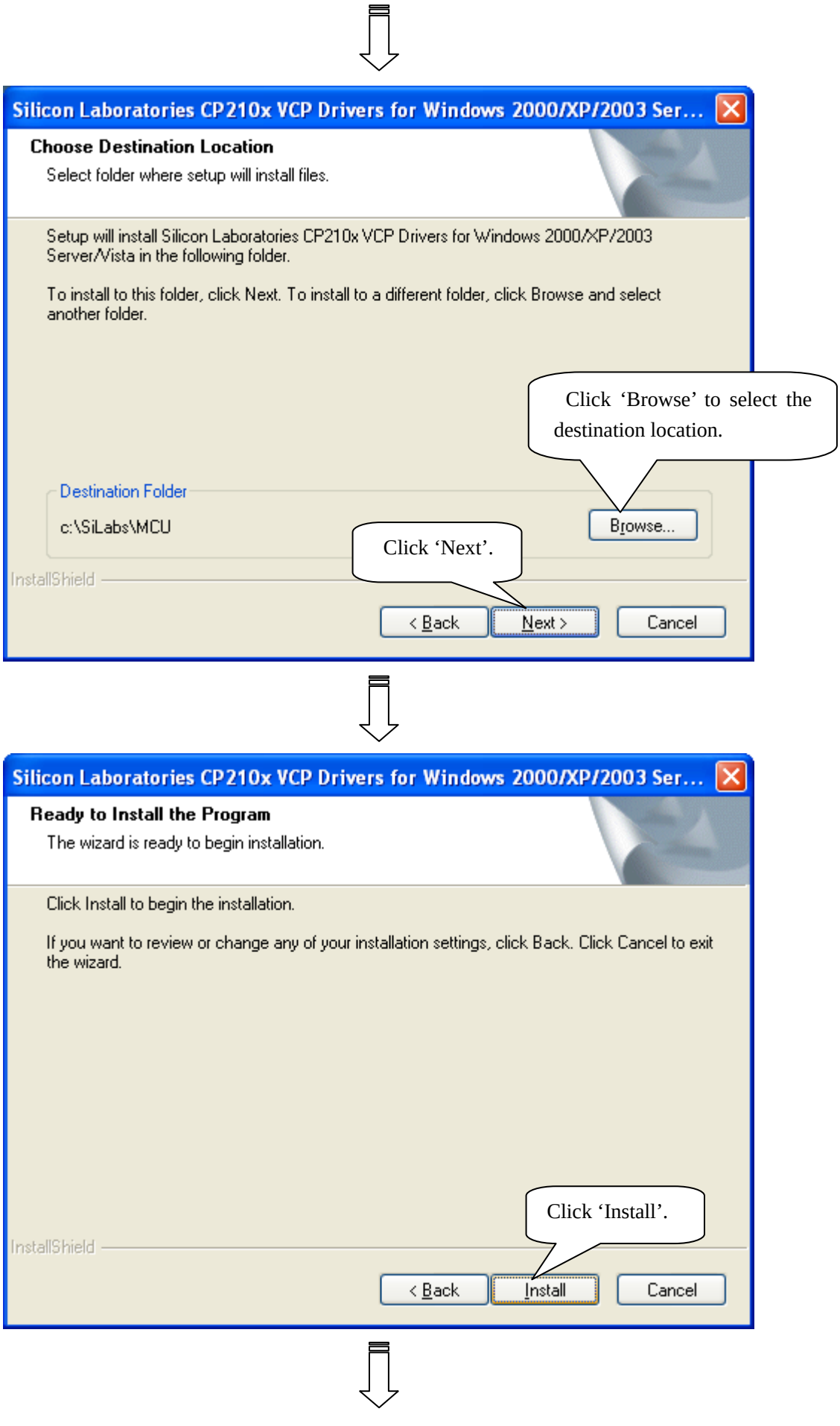

## 4.3 Wireless 433 USB Dongle/2.4G

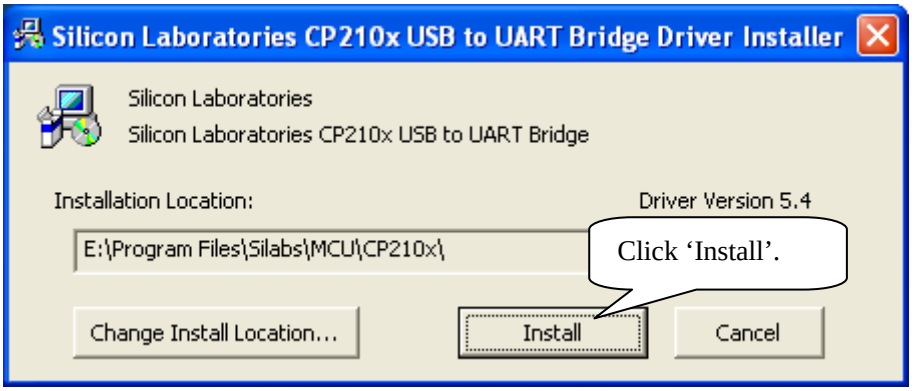
### 4.3.1 USB Dongle Driver Installation

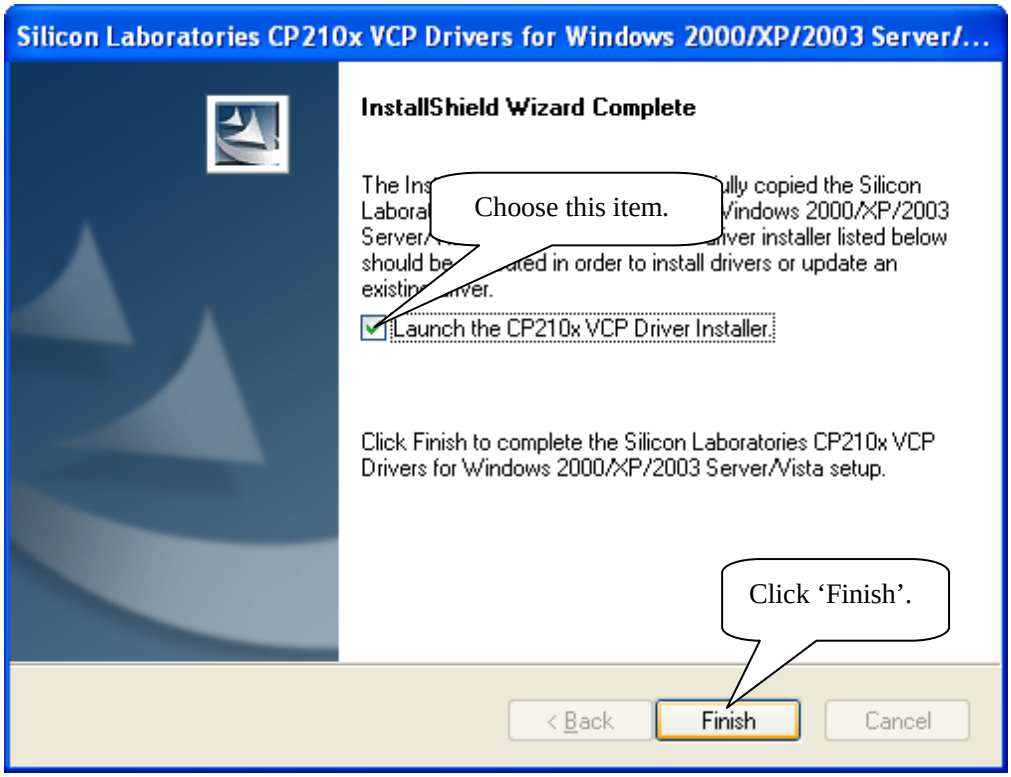
You can install the USB dongle driver after you install printer driver.

Double-click file *CP210x_VCP_Win2K_XP_S2K3.exe*, pop-up this window:




Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Ser...
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

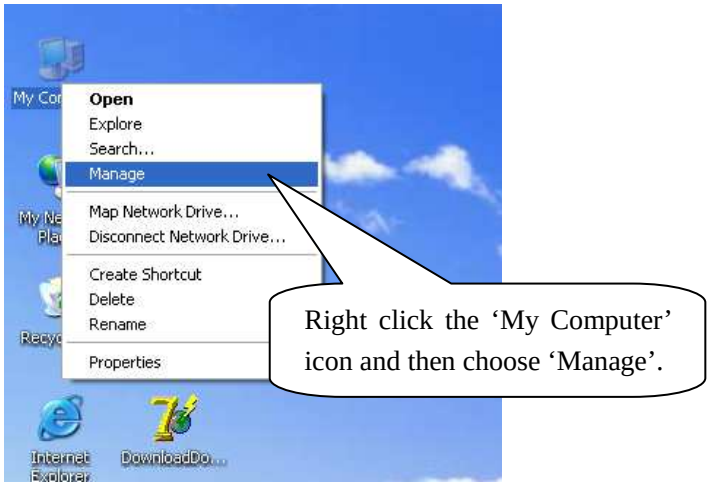

Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/...
InstallShield Wizard Complete
Choose this item.
Launch the CP210x VCP Driver Installer
Click Finish to complete the Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/Vista setup.
Click 'Finish'.
< Back
Finish
Cancel

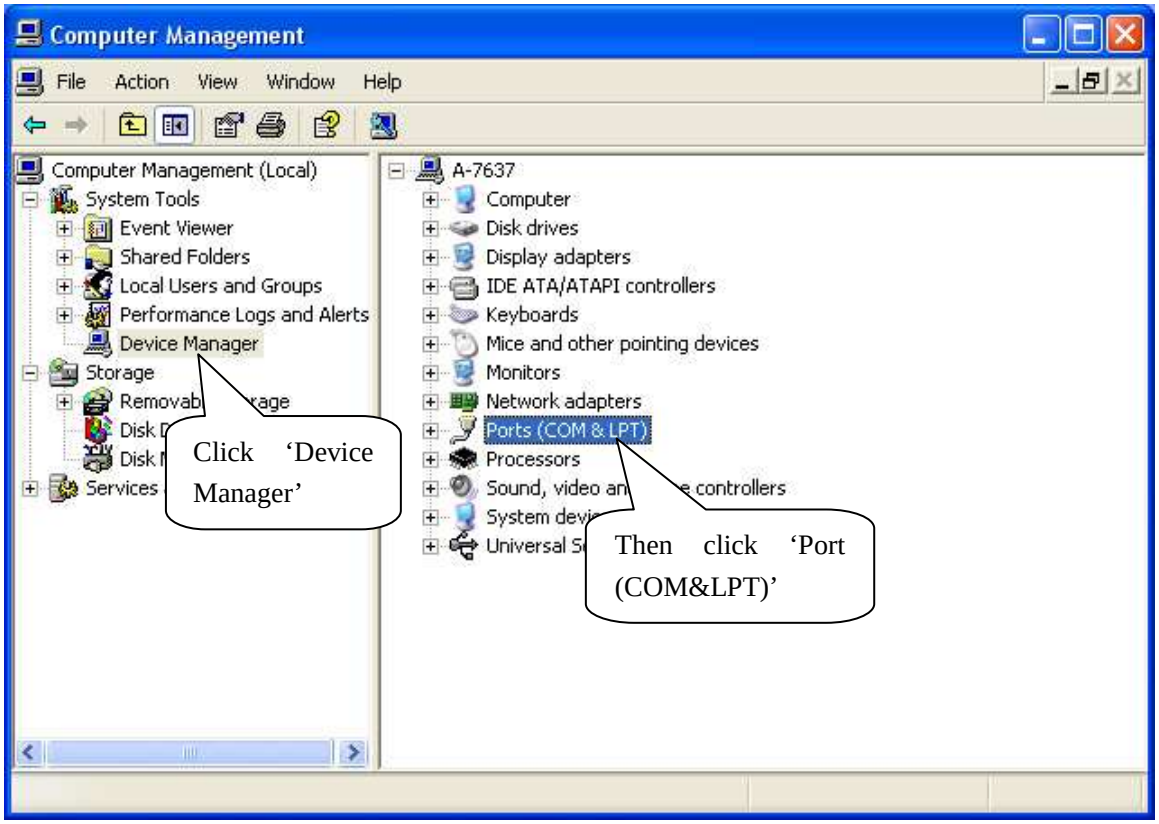
Success
Installation completed successfully
OK
Click 'OK'.

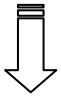
### 4.3.2 How to Know the Connecting Port

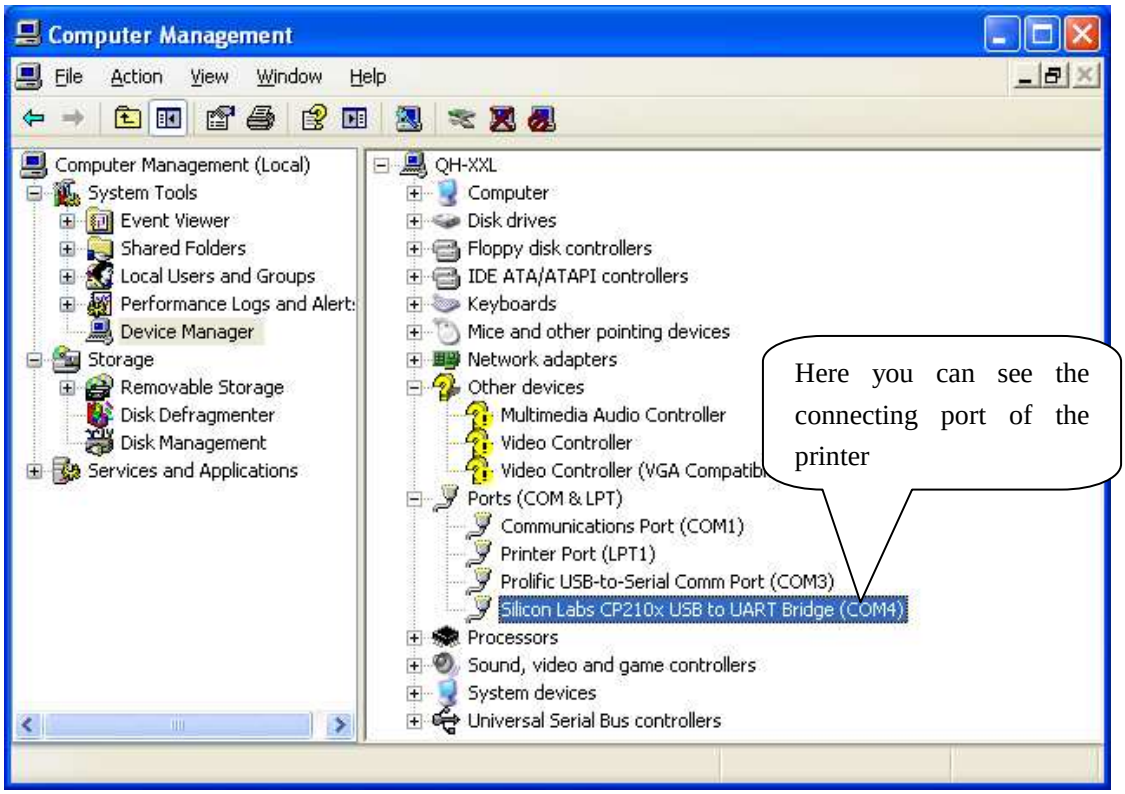
After you install USB dongle driver, restart computer, and insert the 433 dongle into the USB port of computer. Then, you can follow below steps to know which port is connected.

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



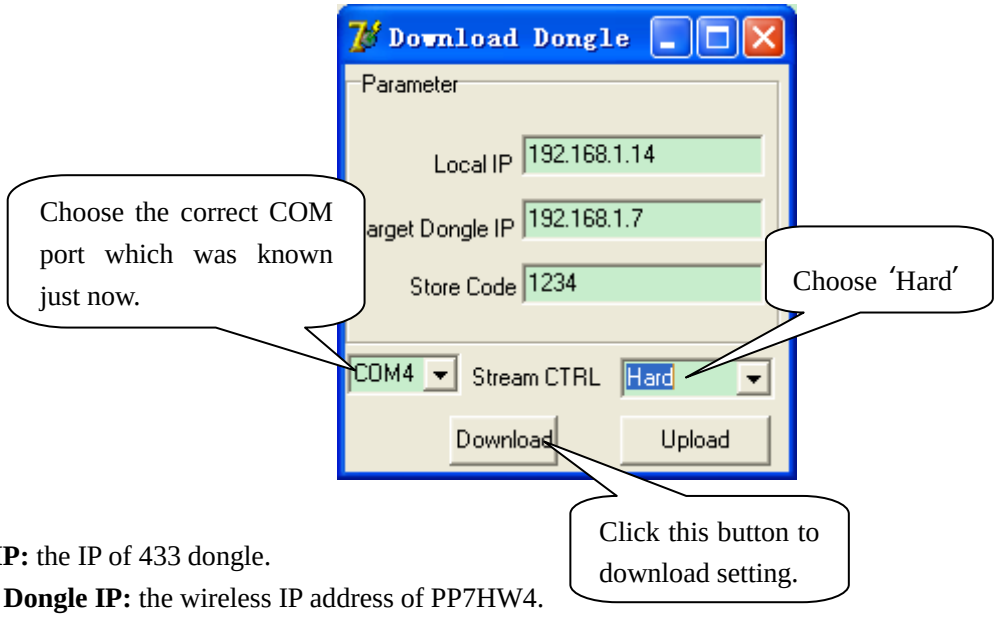





## 4.3.3 Dongle Parameter Setting

In the disk, you can find the file 'DownloadDongle.exe', double click to open it. 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.

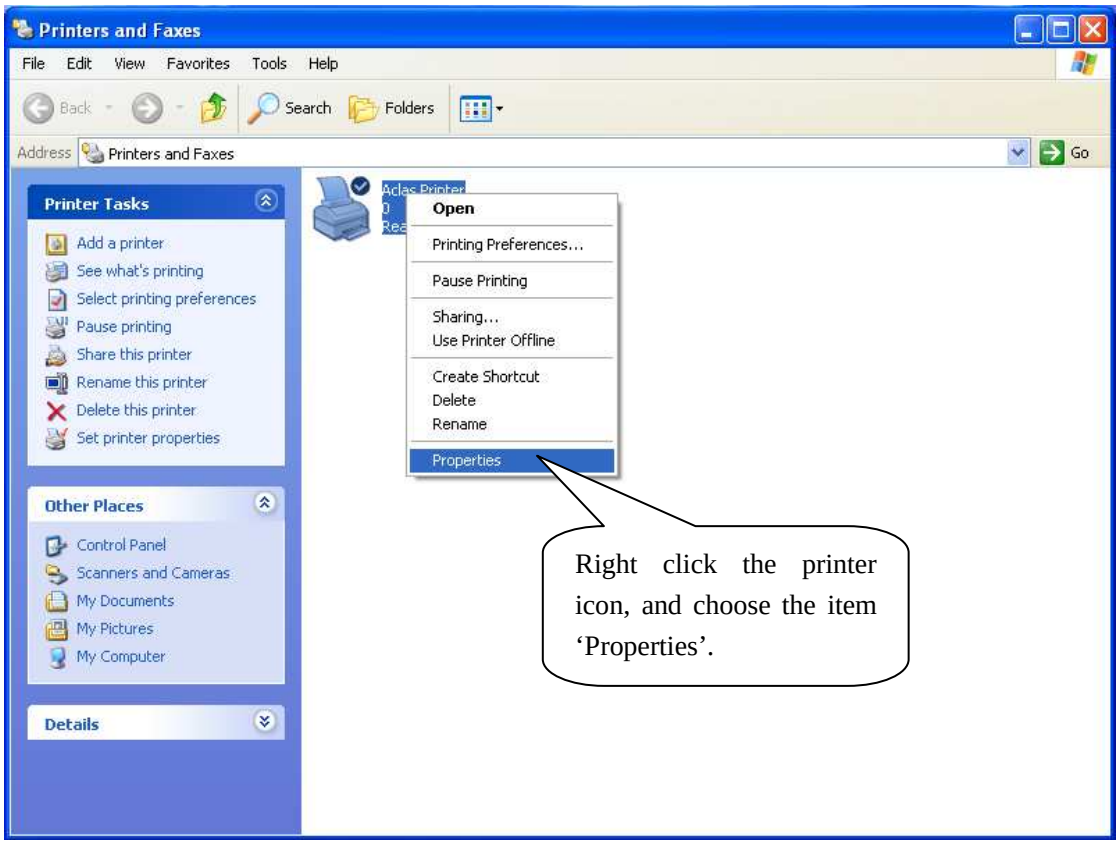
**Stream CTRL:** stream control, if the transmitting data is over 255byte, please choose 'Hard'. If the software is used to transmit data, please set the stream control as 'Hard'.

**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.**

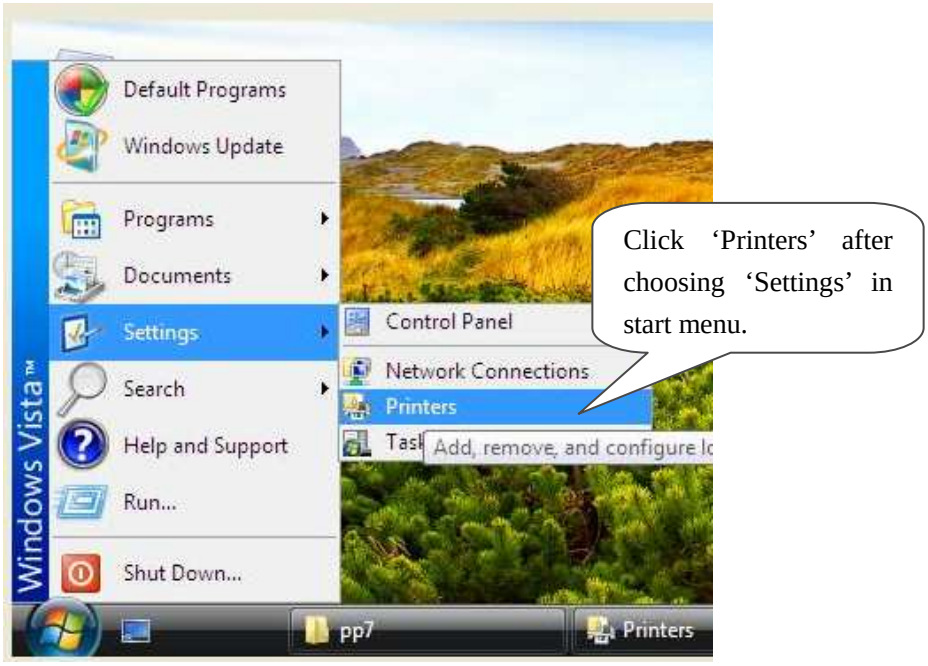
### 4.3.4 How to configure port

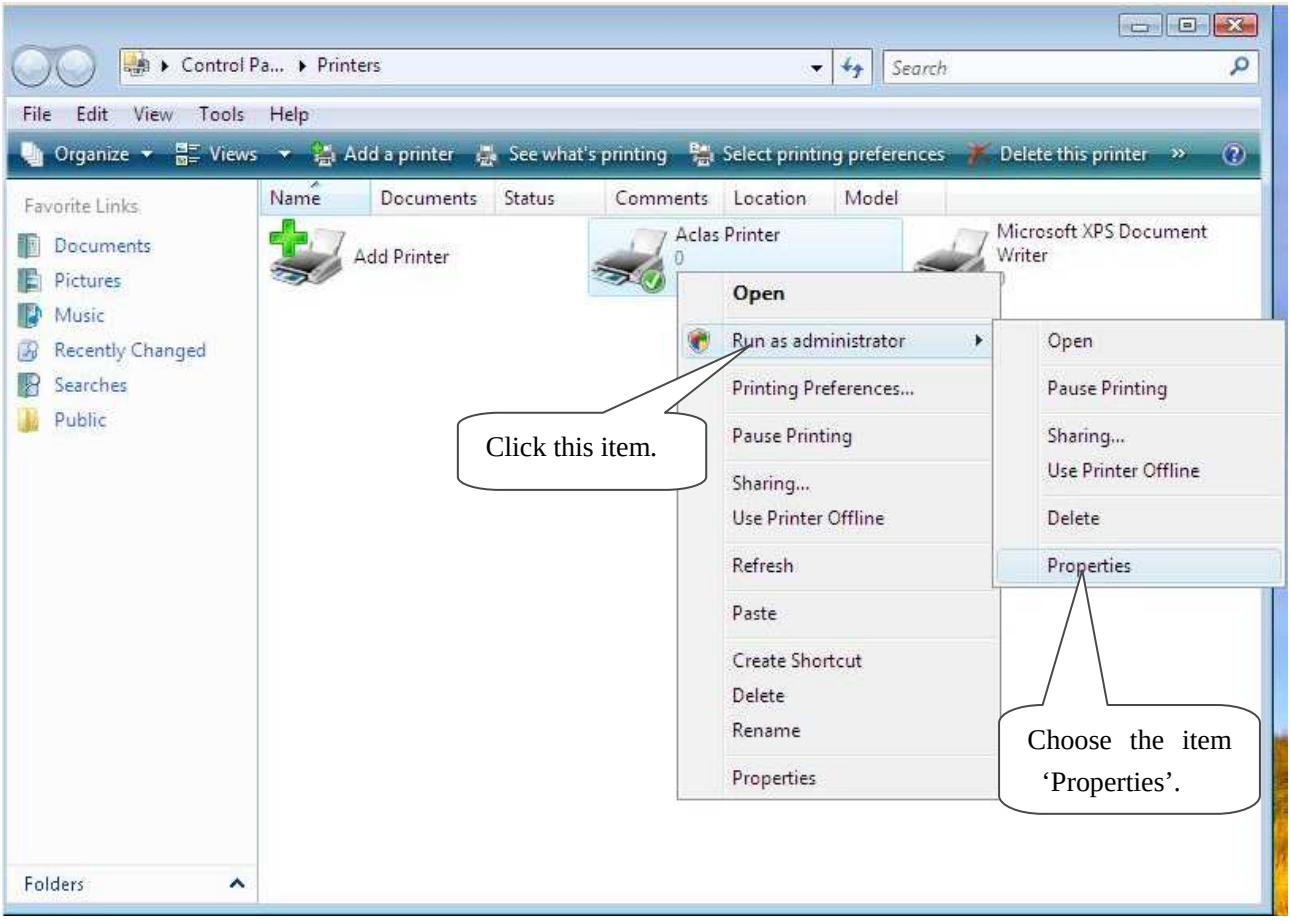
After knowing the connecting port, it is necessary to configure the port. Enter ‘properties’ interface of the printer first to configure port.

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

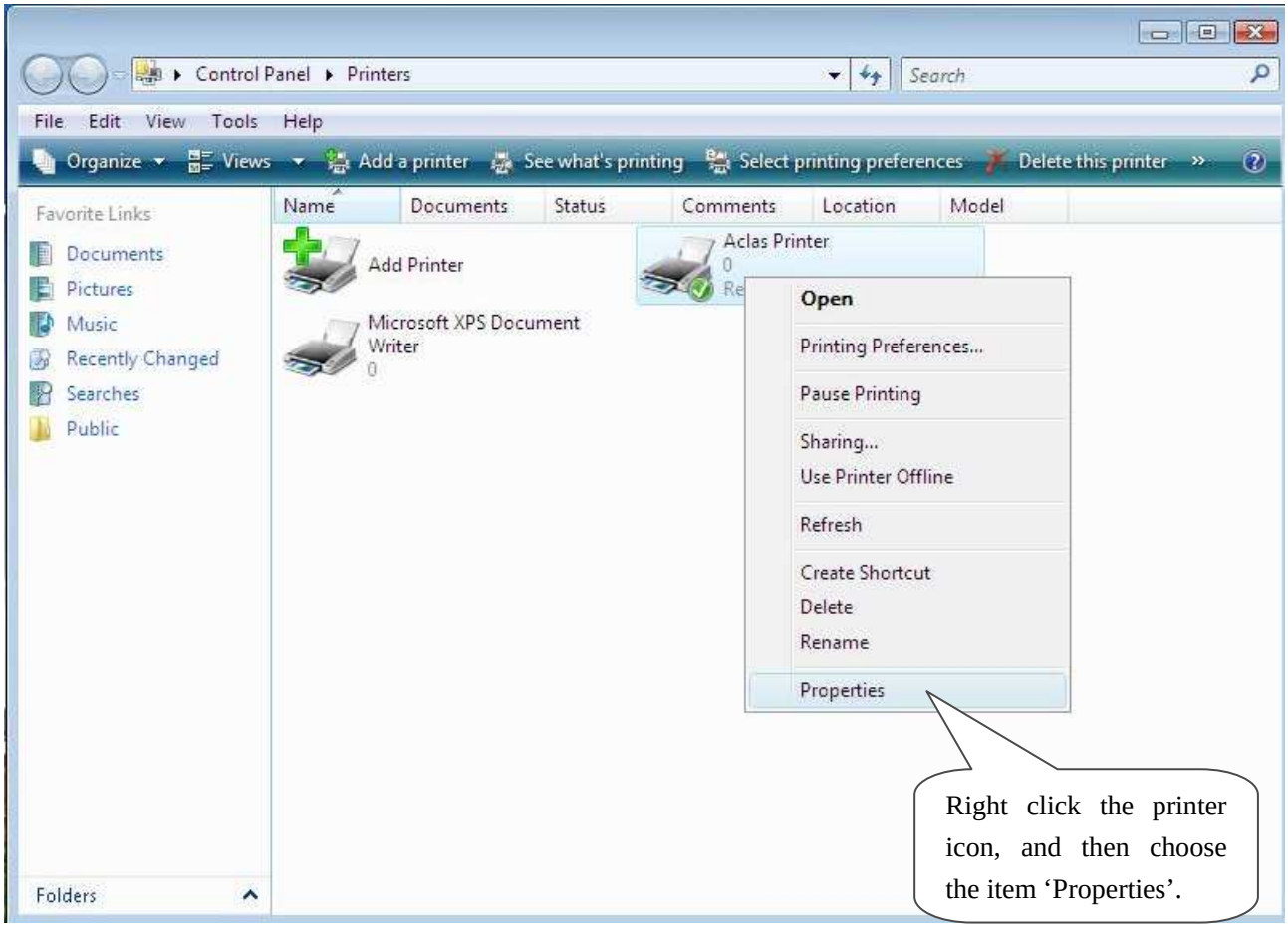


➢ If your PC is installed with Vista system, please follow the below steps to enter 'properties' interface.

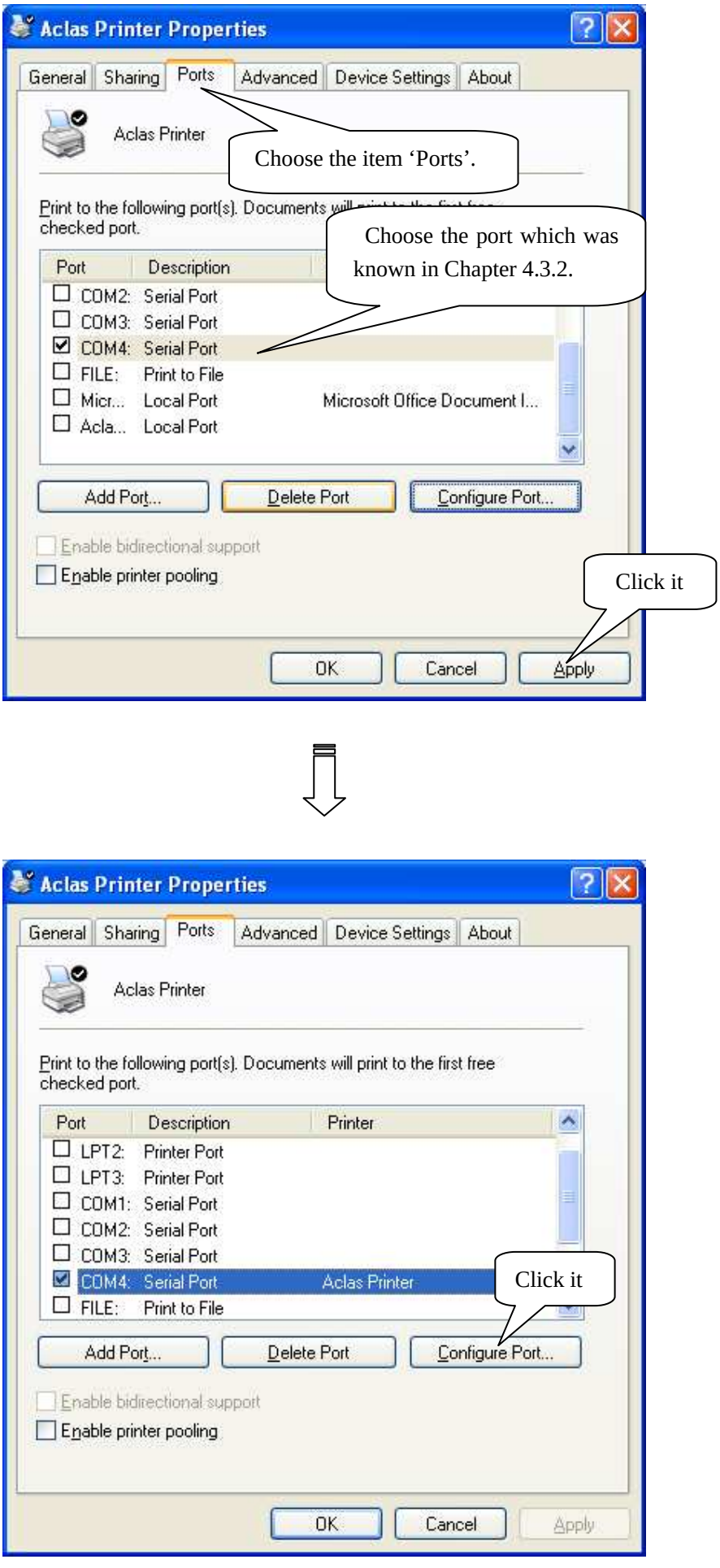


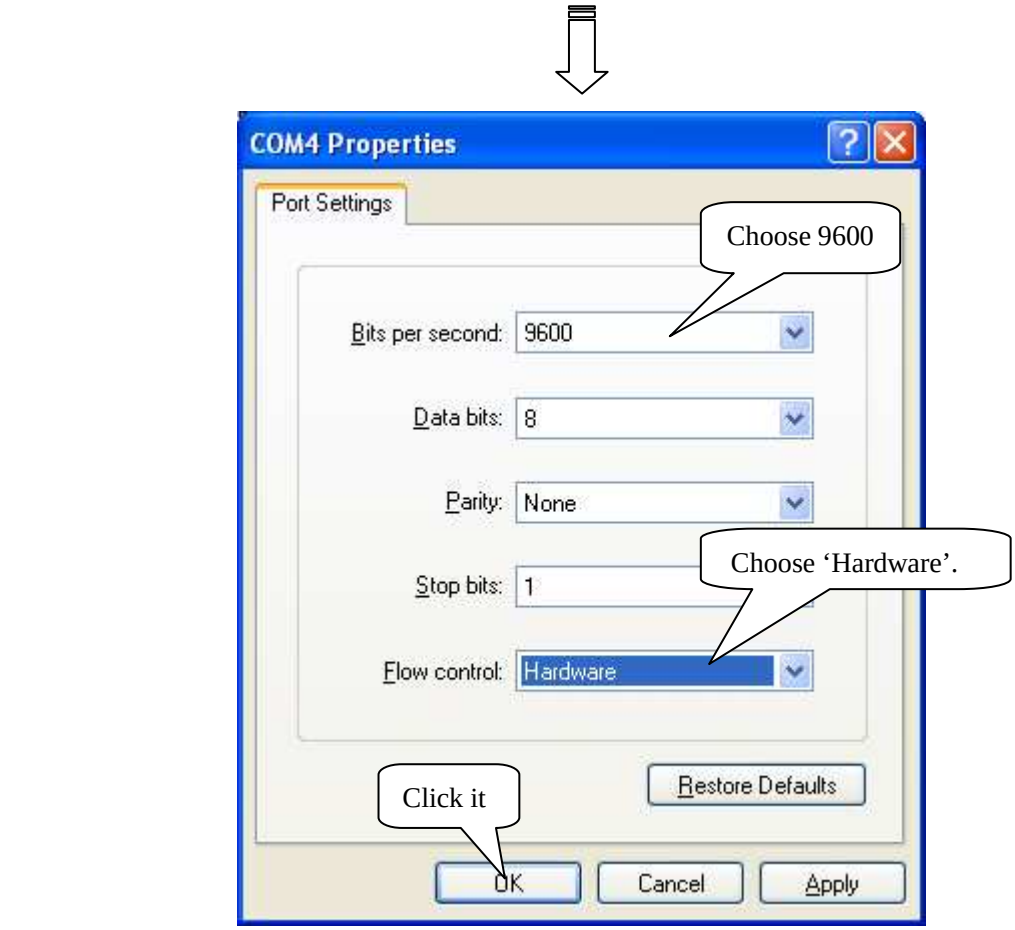



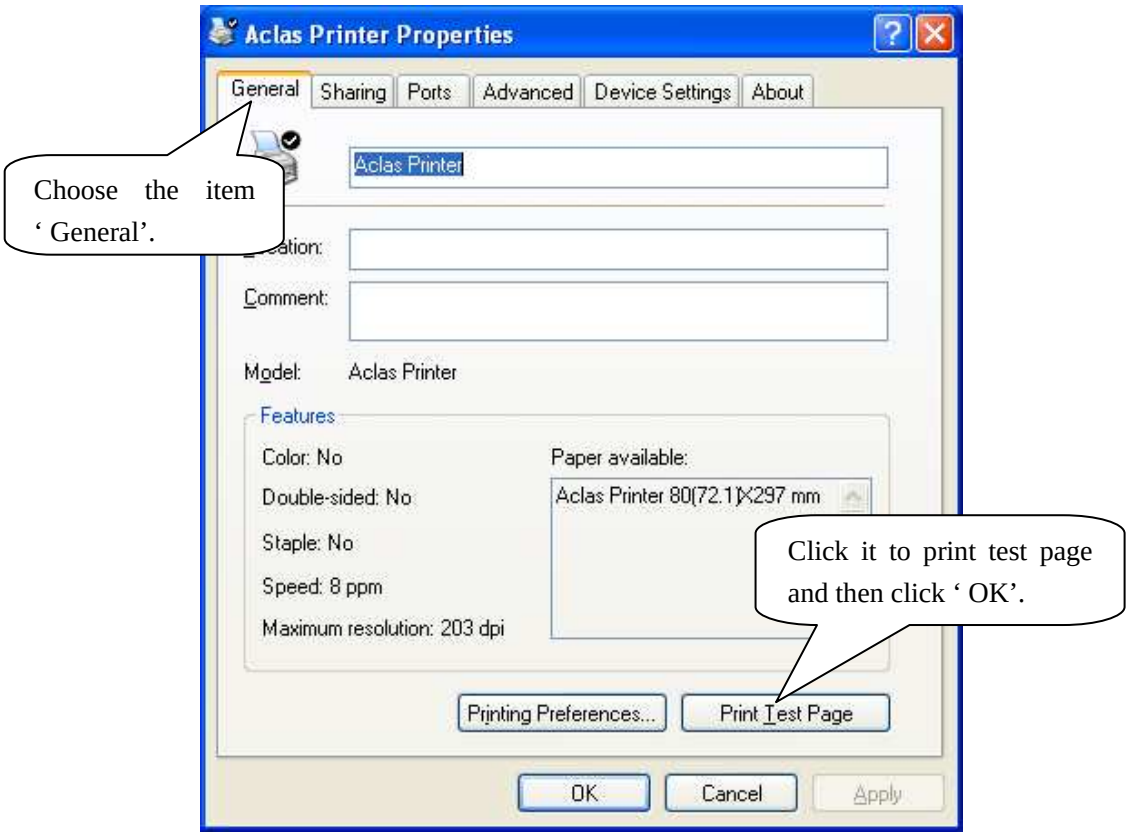
**Note: If you are not allowed to access to run as the administrator, please choose the item 'properties' directly after entering the Printer interface, as the window below:**




After entering 'properties' interface, you can configure port. The port configuration steps of PC with Windows XP system and PC with Vista system are the same. Take the port configuration steps of PC with Windows XP system for example:


Aclas Printer Properties
General
Sharing
Ports
Advanced
Device Settings
About
Aclas Printer
Choose the item ‘Ports’.
Print to the following port(s). Documents will print to the first free checked port.
Choose the port which was known in Chapter 4.3.2.
Port
Description
COM2: Serial Port
COM3: Serial Port
COM4: Serial Port
FILE: Print to File
Micr... Local Port
Microsoft Office Document I...
Acla... Local Port
Add Port...
Delete Port
Configure Port...
Enable bidirectional support
Enable printer pooling
Click it
OK
Cancel
Apply
Aclas Printer Properties
General
Sharing
Ports
Advanced
Device Settings
About
Aclas Printer
Print to the following port(s). Documents will print to the first free checked port.
Port
Description
Printer
LPT2: Printer Port
LPT3: Printer Port
COM1: Serial Port
COM2: Serial Port
COM3: Serial Port
COM4: Serial Port
Aclas Printer
FILE: Print to File
Click it
Add Port...
Delete Port
Configure Port...
Enable bidirectional support
Enable printer pooling
OK
Cancel
Apply


COM4 Properties
Port Settings
Choose 9600
Bits per second: 9600
Data bits: 8
Parity: None
Stop bits: 1
Choose 'Hardware'.
Flow control: Hardware
Restore Defaults
Click it
OK
Cancel
Apply


Aclas Printer Properties
General
Sharing
Ports
Advanced
Device Settings
About
Choose the item ' General'.
Aclas Printer
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
Click it to print test page and then click ' OK'.
Printing Preferences...
Print Test Page
OK
Cancel
Apply