

72-2500
Communication Control Software
Operating Manual

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Chapter 1 Installing Communication Control Software

Part 1 Hardware Requirements

Device Required	Minimum demand
Device	72-2500
PC	Windows 2000/XP/Vista/ Windows 7 operating system, 128M memory, 16×-speed drive or better (refer to corresponding hardware conditions for Vista system), 1024*768 resolution or better
Connection Cable	Cable with two USB connectors

Part 2 Installing Communication Control Software

72-2500 Signal Generator comes with Communication Control Software during the delivery (in the CD-ROM packed with the Generator)

Name: SG Controller

Installing Procedure:

Step 1: Insert the supplied CD-ROM into CD-ROM drive of your computer, wait until the computer reads out CD-ROM, and you will find USB setup program in it (See Figure 1-1)



Figure 1—1

- Note:**
1. You can also download Communication Control Software package from our website. Please unzip it before use.
 2. This control program works with Windows 2000, Windows XP, Vista and Windows 7 operating systems, but only supports high-speed USB2.0 communication protocol in Vista system.

Step 2: Double click the icon to run the setup program as indicated in Figure 1-1, and SG Control Program – Installshield Wizard as shown in Figure 1-2 pops out:

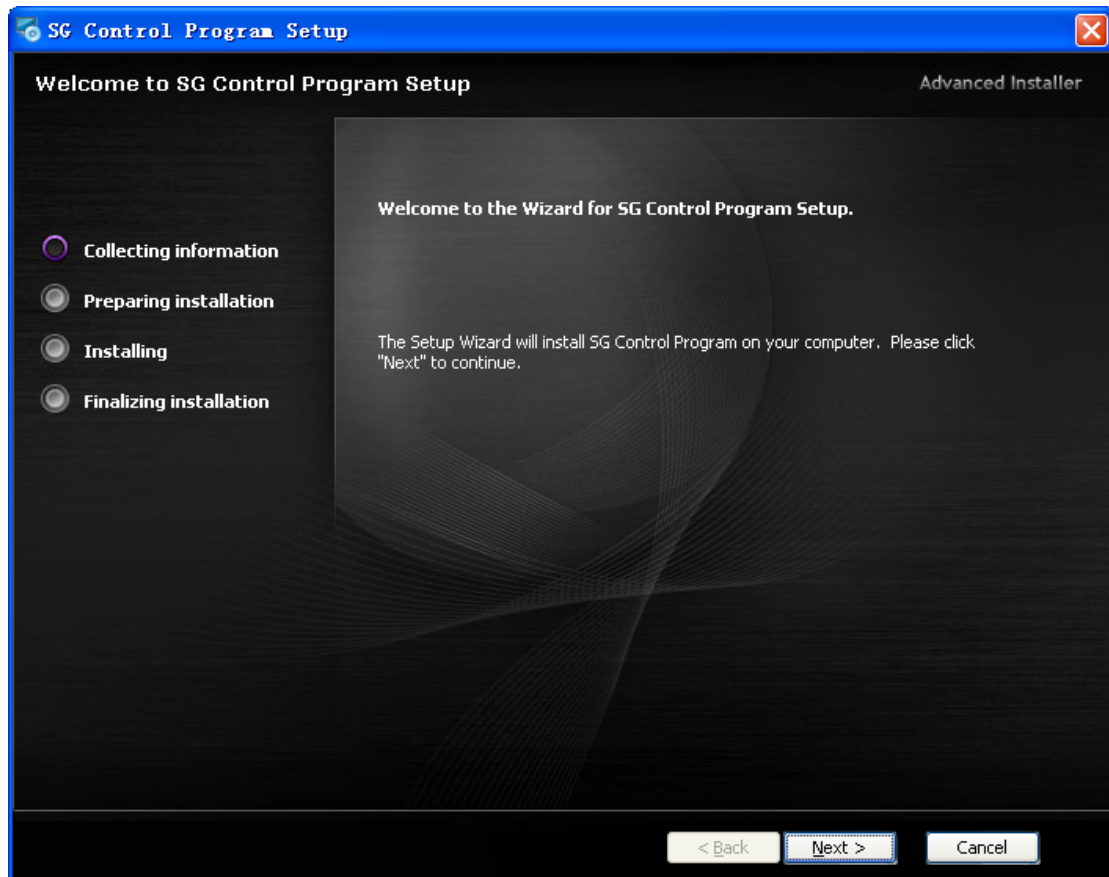


Figure 1—2

Step 3: Read the prompt and click **Next** button to continue, then the window in Figure 1-3 shows.

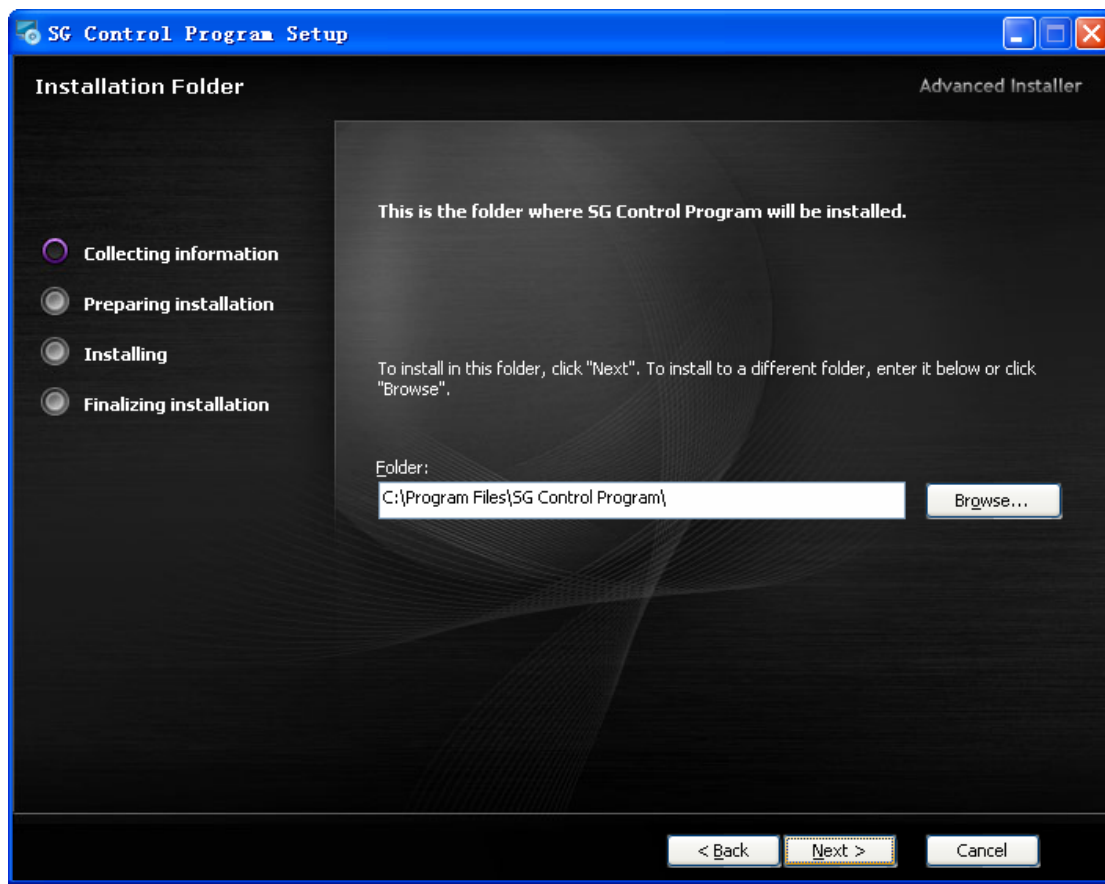


Figure 1—3

Step 4: Click **Change** button in Figure 1-3 to define the path to install Communication Control Software and then click **Next** button; or click **Next** directly to use the default path and start the installation automatically. See Figure 1-4.

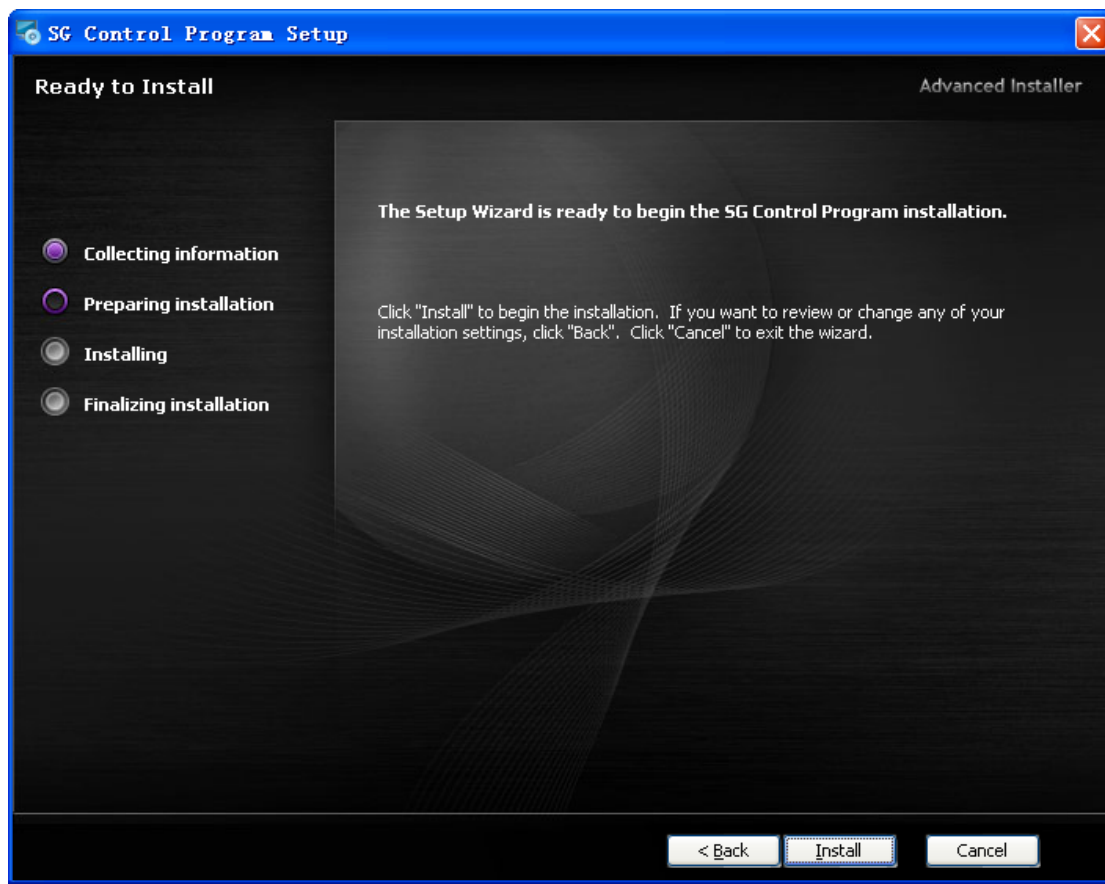


Figure 1—4

Step 5: Wait until the installation finishes, the window in Figure 1-5 pops up. Then click **Finish** to complete the final step of the setup program installation. Communication Control Software has already been installed successfully in your computer.

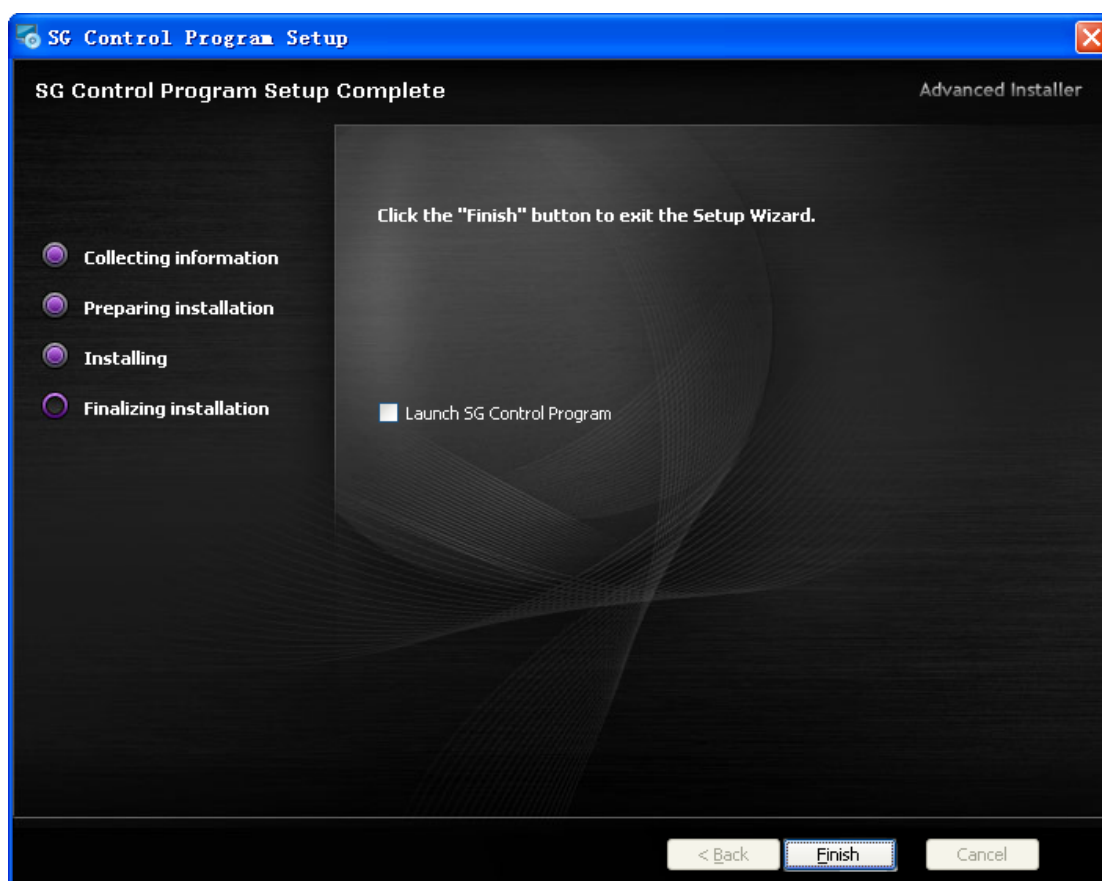


Figure 1—5

To return to previous wizard interface, click **Back** button on the current interface.
To quit the installation, click **Cancel** button on the current wizard interface to exit.

Part 3 Running Communication Control Software

With all the operations hereinbefore finished successfully, there are two ways you can run the program on PC.

1. To run Communication Control Software, you can double click the program shortcut that has already been generated automatically after finishing installing the program. See Figure 1-6:



Figure 1—6

2. Or you can choose from “Start→ Programs→SG Controller →SG Controller to run the program as shown in Figure 1-7.



Figure 1—7

3. After choose your device model, the Generator control program interface pops up (See Figure 1-8).

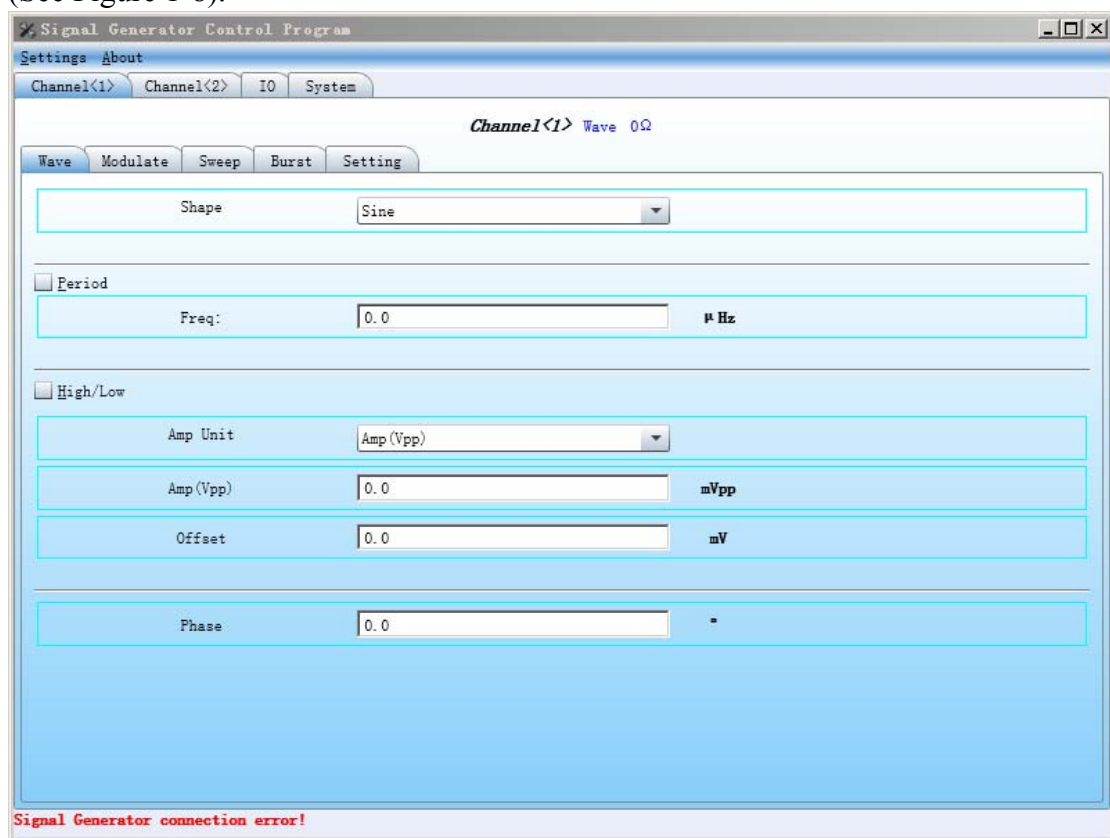


Figure 1—8

Note: May be the I/O menu different from the Figure 1-12, display "I/O" or "Freq Meter" depended on your device.

Chapter 2 Using Communication Control Software

Part 1 Introduction to Program Interface

With USB program and driver already installed, connect the Generator to PC using USB cable, switch on the Generator and its control program. After choose your device model, the PC will pop up a display interface similar to the operating interface of the Generator.

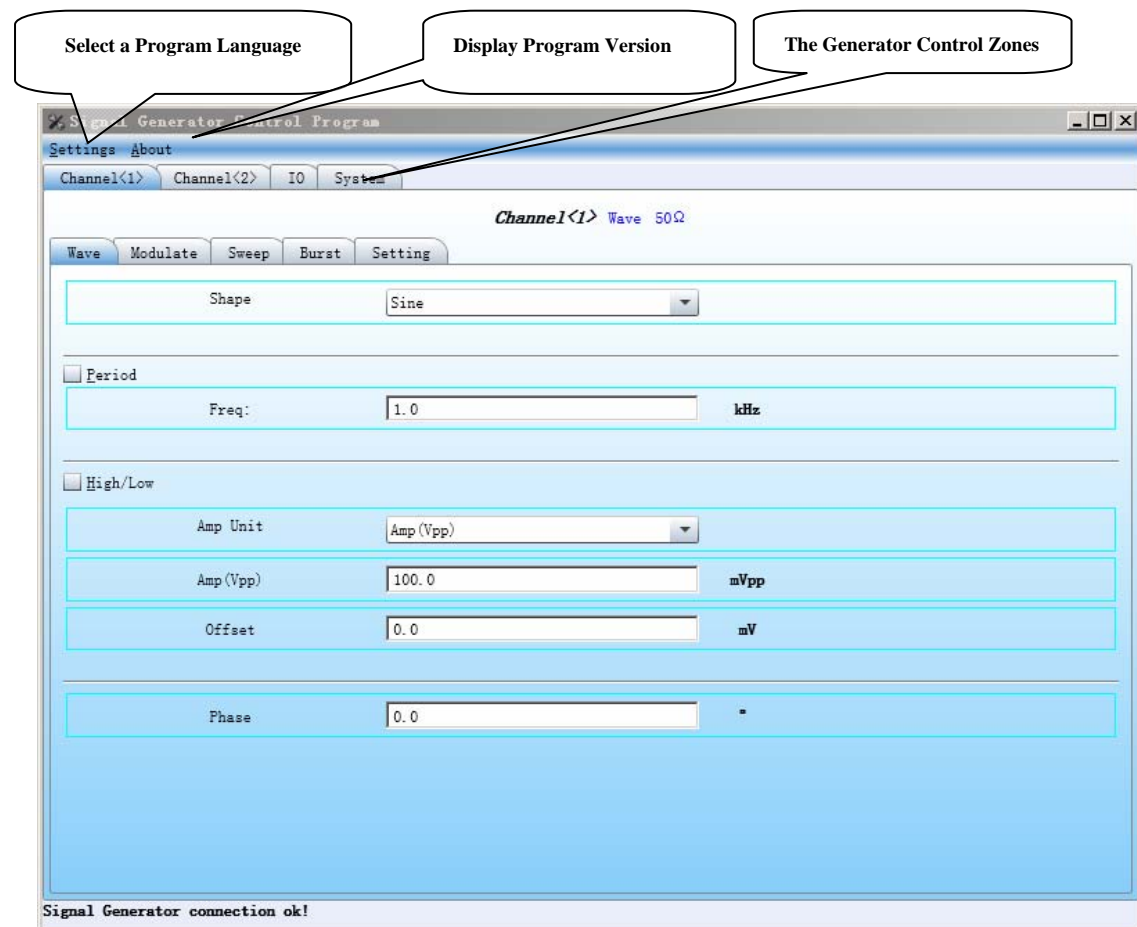


Figure 2—1

Part 2 Main Menu Description

1. Get Acquainted with Program Menu

As shown in Figure 2-2, to control channels of the Generator, click CH1/CH2 menu to configure the channel. To set network parameters for LAN port that is equipped with the Generator, click IO menu to modify. Click Freq Meter to display the measured signal frequency and period and DutyCycle. And using

“System Setup” menu can allow you to change the system information displayed on the program or reset to “Factory Default”

Note: Display "I/O" or "Freq Meter" depended on your device.

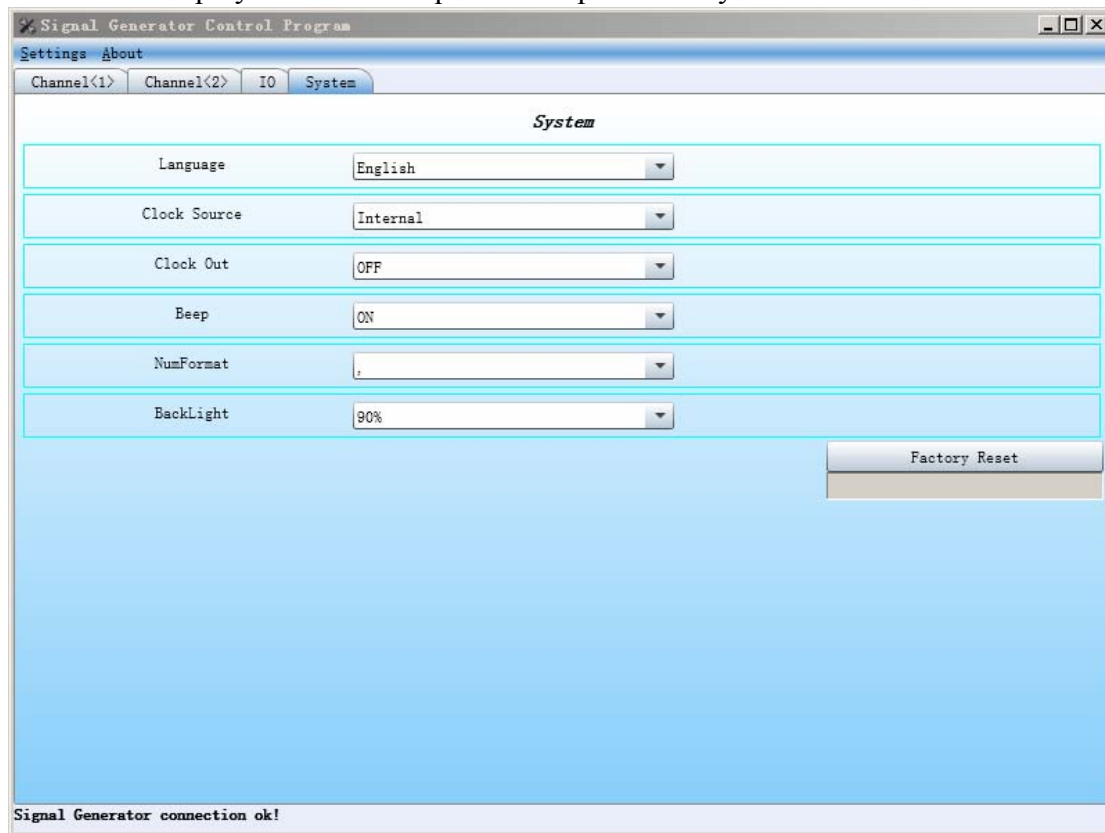


Figure 2—2

2. Setting the waveforms and Channels

1) Setting the Waveforms

As indicated in Figure 2-3, click “Wave” menu, under which you can configure the Generator to output different waveforms, and also set up time and amplitude parameters

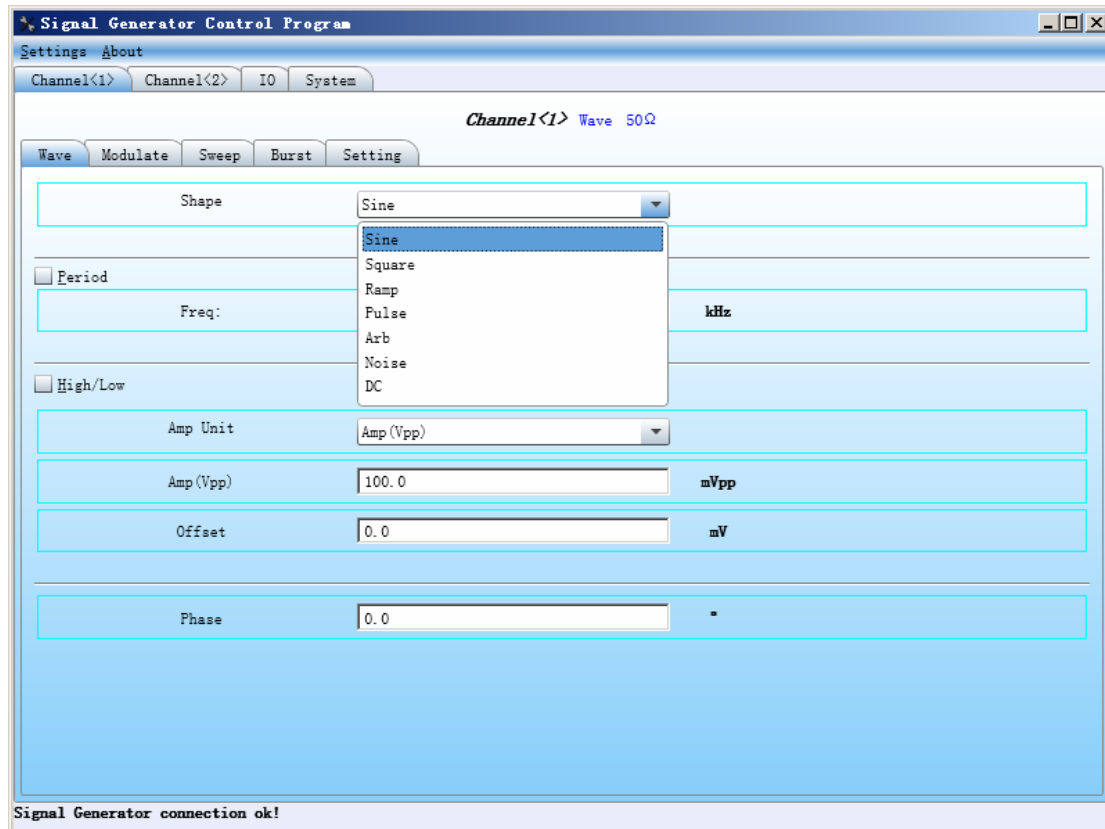


Figure 2—3

2) Setting the Modulation

Click “Mod” menu to set up modulation parameters in order to configure your Generator to output modulated signal of different types. See Figure 2-4:

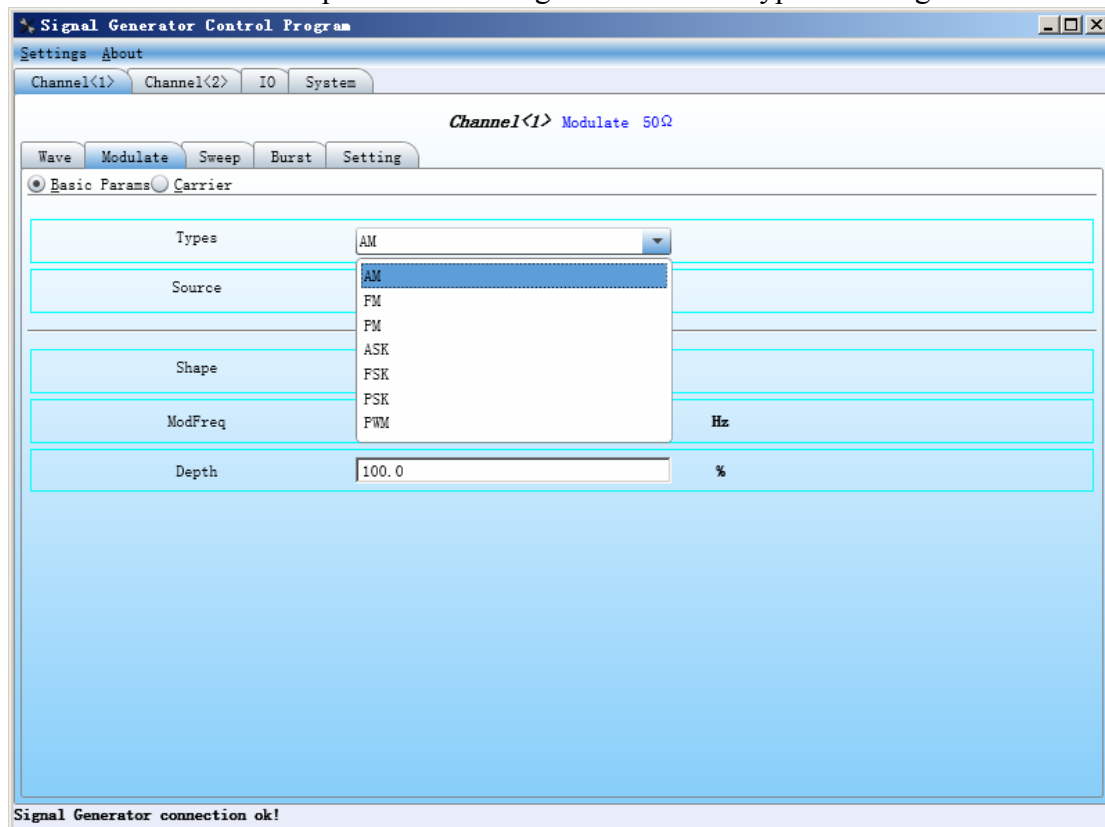


Figure 2—4

3) Setting the Frequency Sweep

As shown in Figure 2-5, click “Sweep” menu, under which you can configure the Generator to output a linear/logarithm sweep waveforms with relative sweep settings.

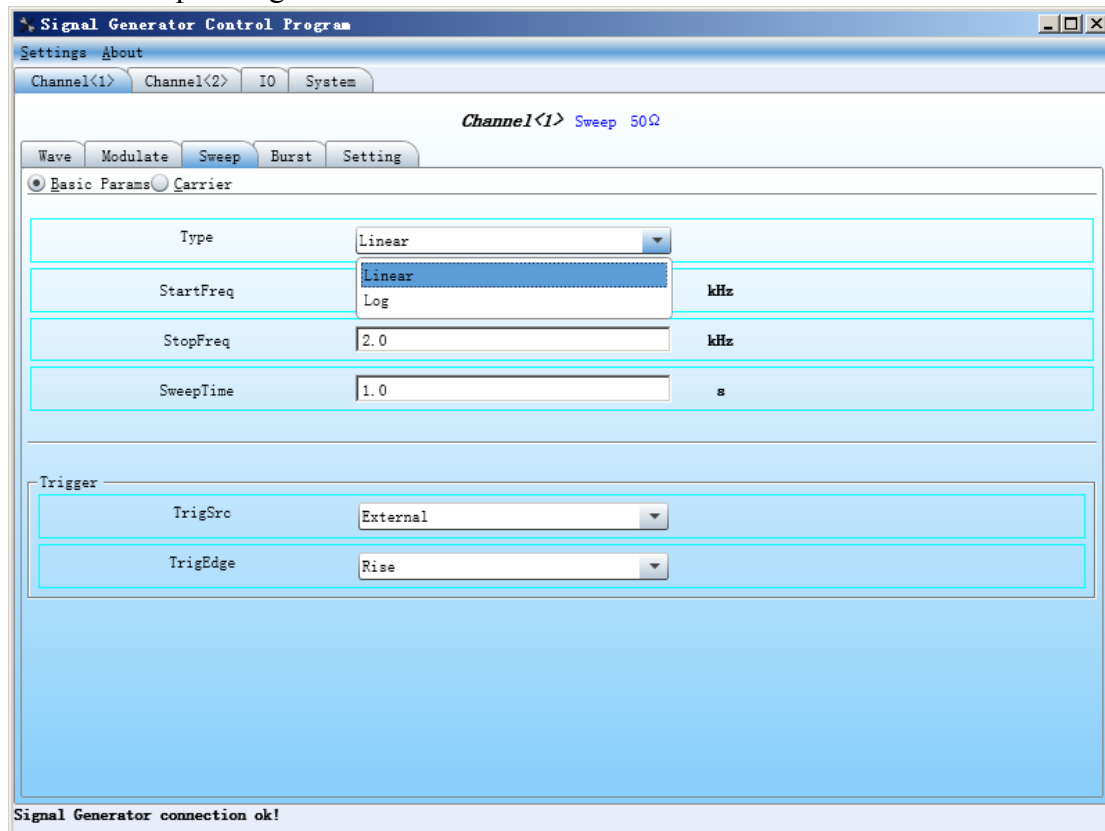


Figure 2—5

4) Setting Burst

Click “Burst” menu to select a burst type and set up the burst parameters, See Figure 2-6:

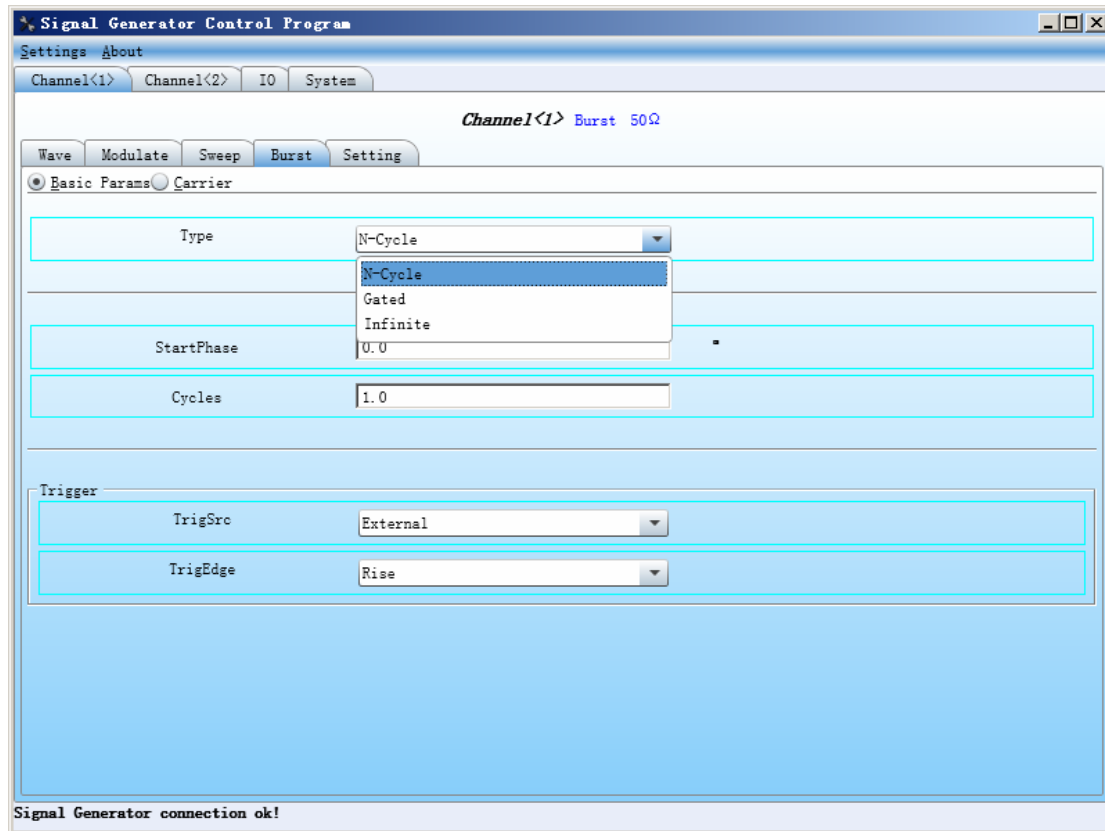


Figure 2—6

5) Setting the Channel

As shown in Figure 2-7, click “CH Settings” menu to set up channel parameters.

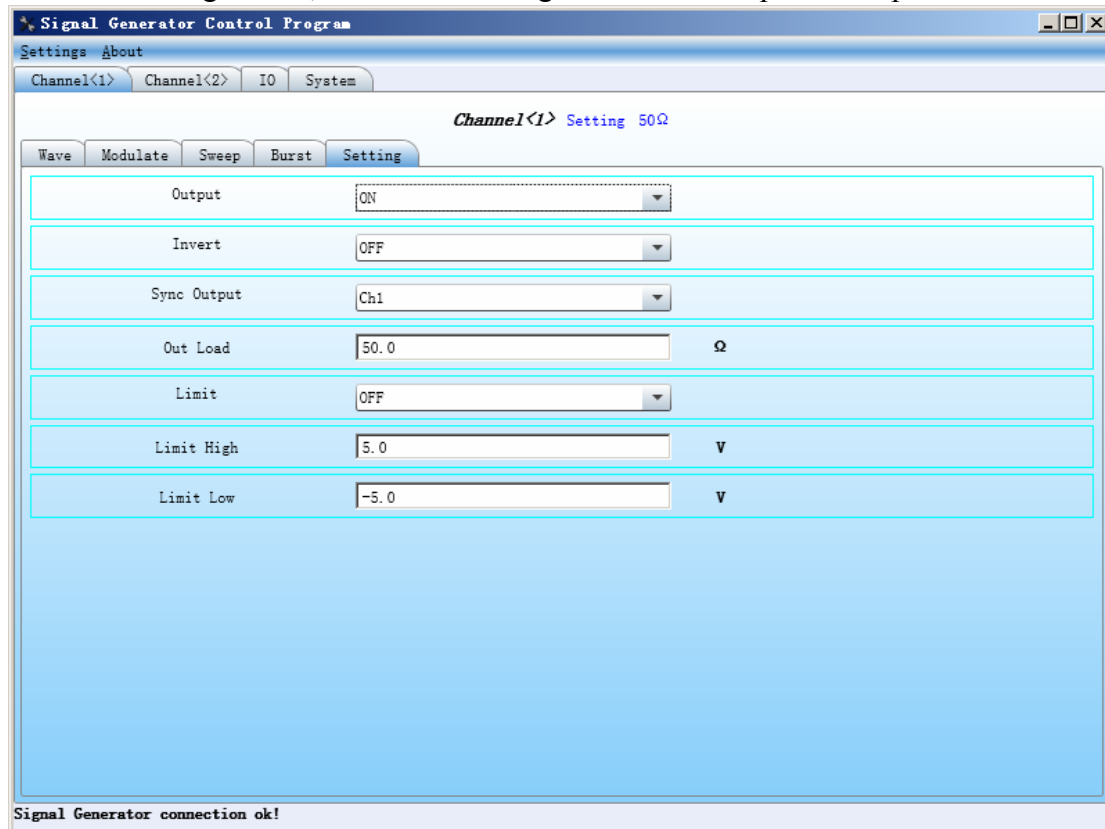


Figure 2—7

Chapter 3 System Prompts and Troubleshooting

Part 1 System Prompts

Connection or Model Error: please check if the Generator model or communication port type is correctly selected; check if the instrument is connected properly or the program driver has been updated.

Part 2 Troubleshooting

1. If there is indication “check if the Generator is properly connected” marked in red and shown on lower left corner after turning on the program, please do the followings:

(1) Check if the Generator has worked normally.

(2) Make sure cable connection between the Generator and PC is good.

(3) Make sure USB driver has been installed successfully

(4) After completing all inspections, reboot the program and the Generator and proceed again.

2. If the driver failed to update, please do the following:

(1) Right click My Computer icon (Figure 3-1) on the desktop to pop up the menu as indicated in Figure 3-2.

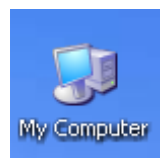


Figure 3-1

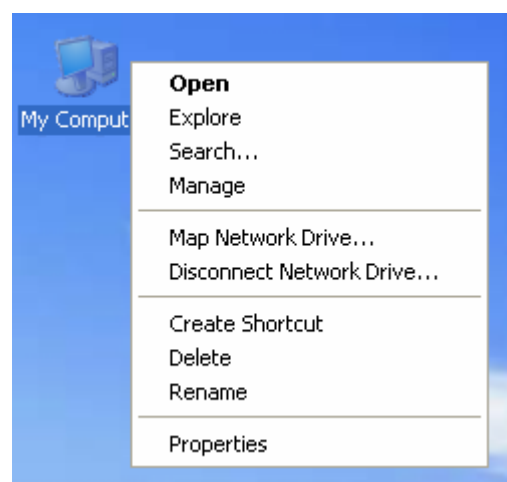


Figure 3-2

(2) Select “Properties” in Figure 3-2 and right click to show the window as indicated

in Figure 3-3.

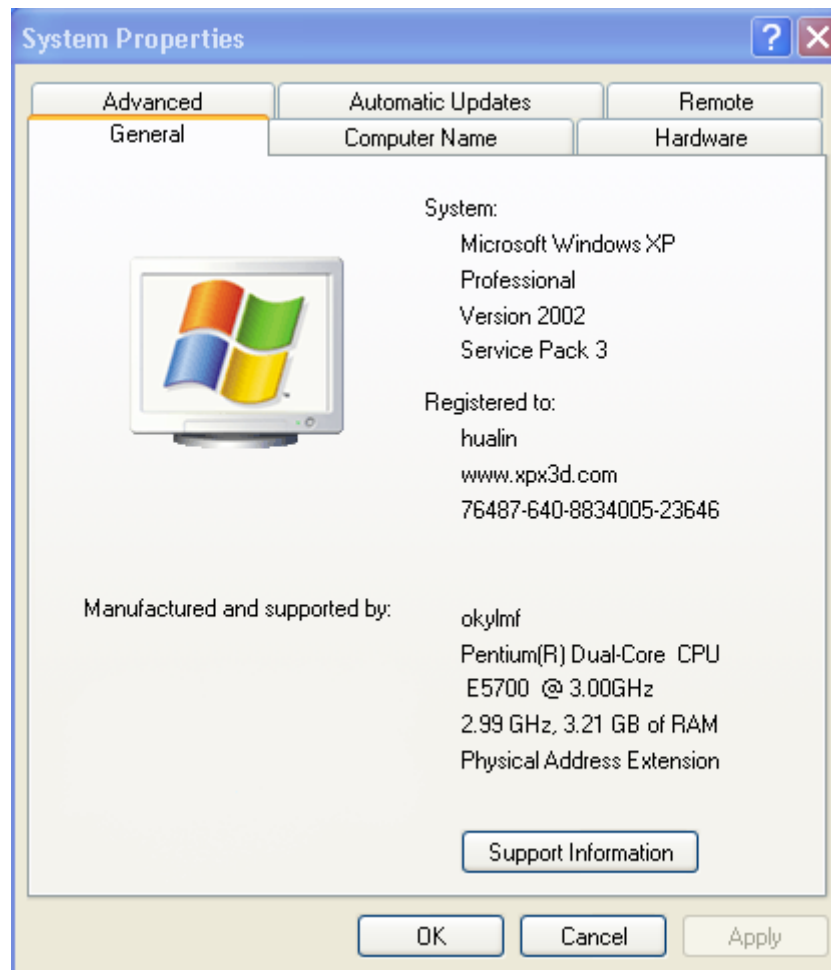


Figure 3-3

(3) Choose “Hardware” item in the Figure 3-3, then the window in Figure 3-4 displays:

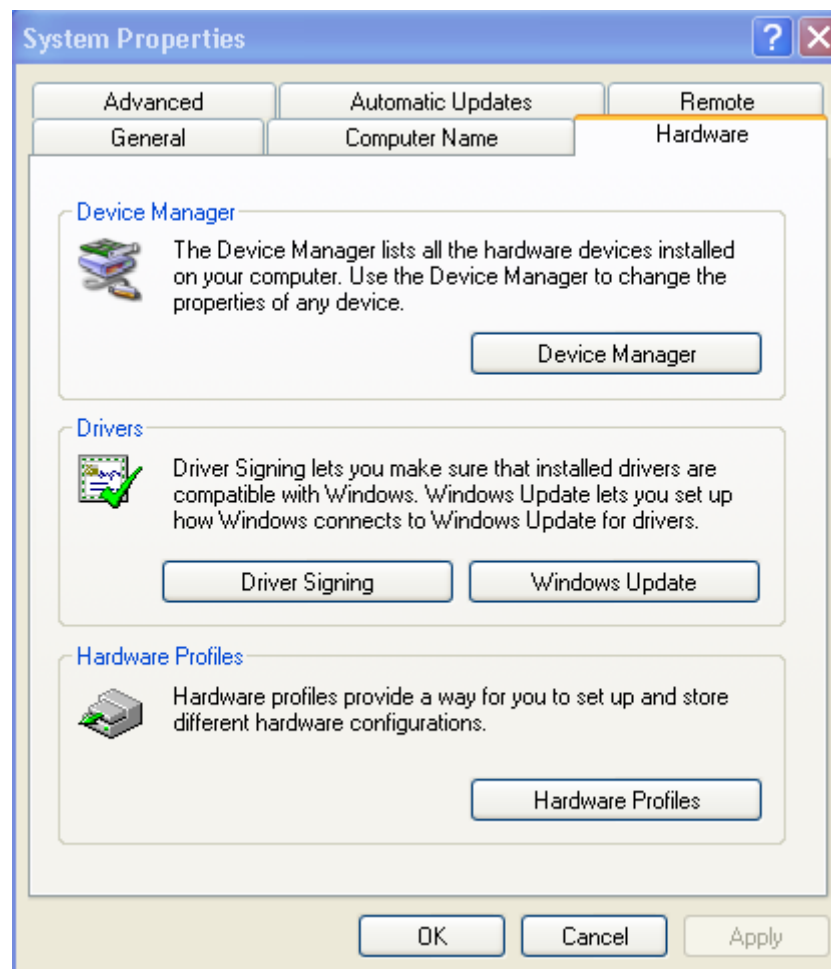


Figure 3-4

(4) Click “Device Manager (D)” in Figure 3-4 to pop up the window in Figure 3-5.

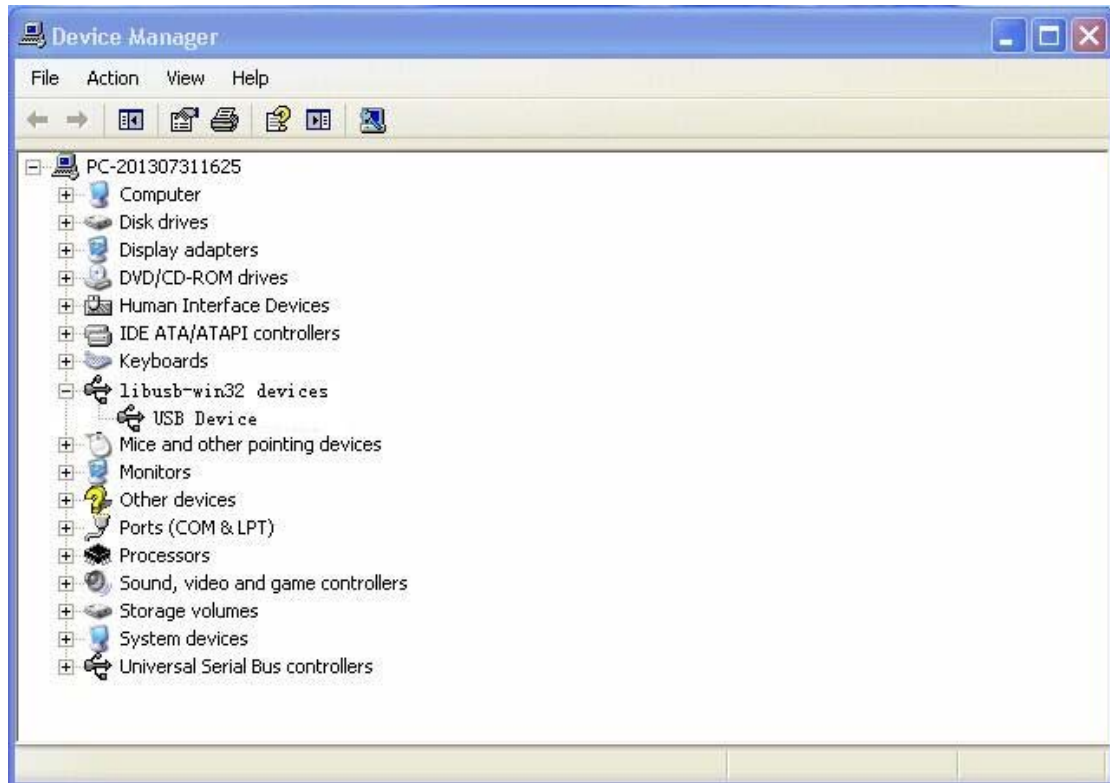


Figure 3-5

(5) Delete “USB Device” item under “libusb-win32 devices” option in Figure 3-5, after that, repower the Generator and reinstall the driver again.

Note: Do not plug out the connection cable when the Generator is communicating with the program on the PC. Such interruption may affect normal running of the program.