



Installation Help for C Pen Windows Software and Infrared Support

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INSTALLATION FOR WINDOWS 95

The following text contains some help to **those who are not used to installing computer software**. Primarily, the help refers to the dialog boxes appearing during installation of *the C Pen* and *Infrared device software*. Several installation options are available and the user might have difficulties choosing the right one.

1. How to install the IR driver

If an IR device is not installed, start the installation by clicking the **Install IR** button in the dialog box which appears on the screen when the C Pen software CD is put in the computer. Read the text in the dialog boxes. If there are options, just select the ones you prefer and then click the **Next** button.

If a working infrared support already exist, we recommend you to keep the installation as it is. If an installation is tried anyway, the message in figure 1 is shown. If re-installation is chosen, click Yes and continue.

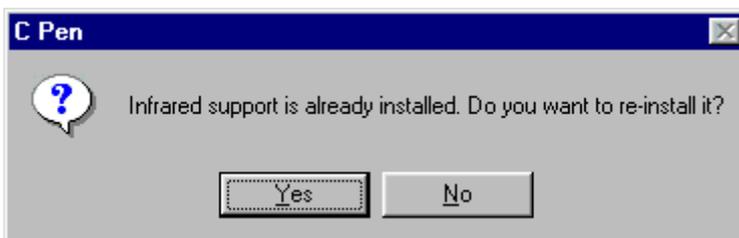


Figure 1. Installing the IR driver when such a driver already exists.

1a. Add Infrared Device

This part of the IR installation consists of several dialog boxes and only the ones with several choices are commented here. In figure 2 the **type of IR device** is to be chosen.

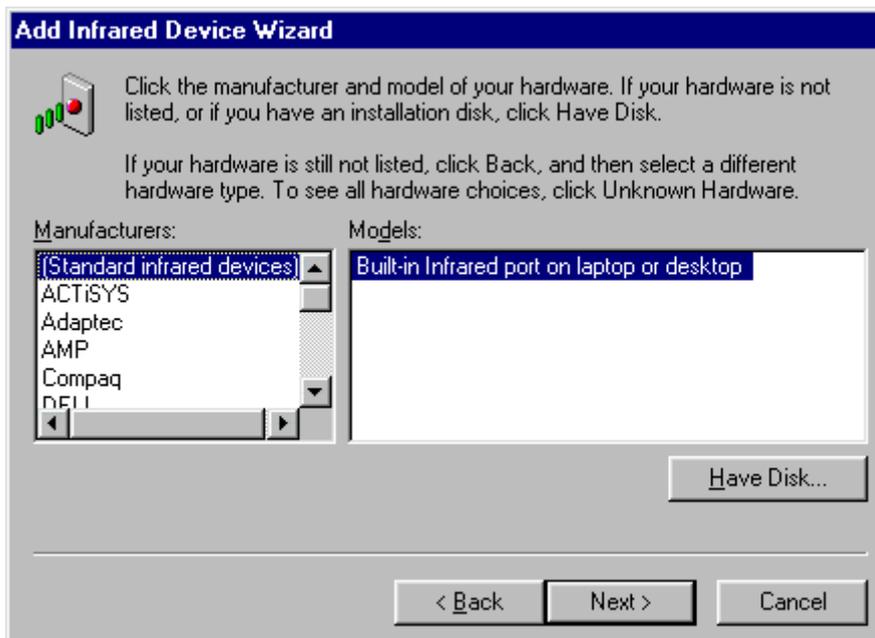


Figure 2. Table with the most common dongles and manufacturers.

In order to get the manufacturer's name, carefully read the text on the IR device's transportation box, delivered together with the IR device. Then select (click) the correct alternative to the left in the dialog box in figure 2. Please note that it is sometimes hard to find the manufacturer's name since it most of the times written only on the transportation box and not on the device itself.

In figure 3 the **COM port** is to be chosen. The COM port is the port on the back of the computer to which you, physically, have connected the IR adapter. Sometimes the COM port's number is written next to the port, but normally it is not.



Figure 3. Select a COM port.

If the COM port's number is not written on the computer, one of the alternatives has to be chosen to start with. If something seems to be wrong later on with the IR connection it is probably because the wrong COM port was chosen. If the COM port is suspected to be the problem, select *Settings* in the *Start menu* (in the lower left corner of the screen), then choose *Control Panel* and double click the *Infrared* icon. The dialog box in figure 4 appears on the screen. Click *Options* and make sure the IR communication is **enabled** and, if needed, also change the COM port.

This procedure may seem awkward to you, but unfortunately this is the only way to manage this problem until the computers have the numbers of the COM ports written beside them on the back of the computer.

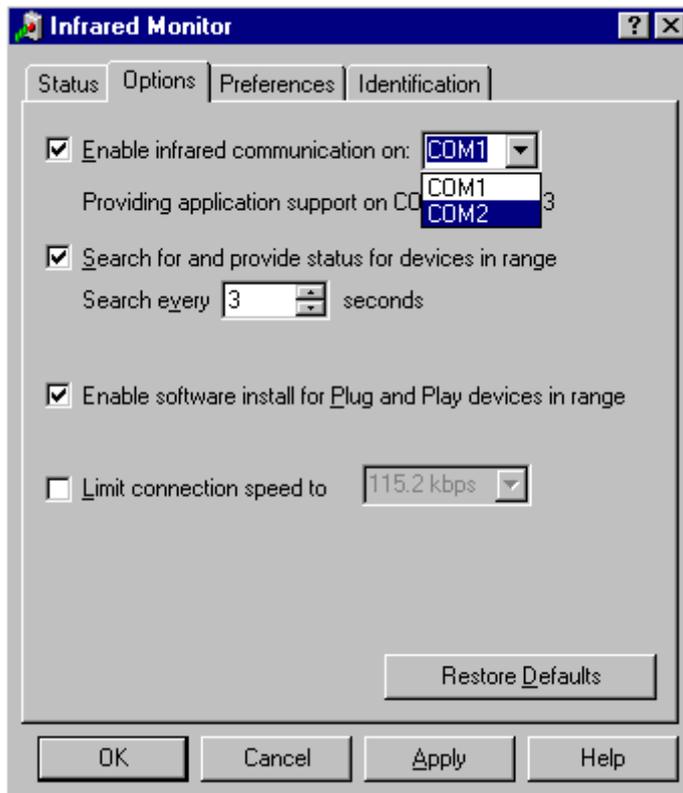


Figure 4. Infrared monitor.

In figure 5 the **simulated COM ports** have to be selected.

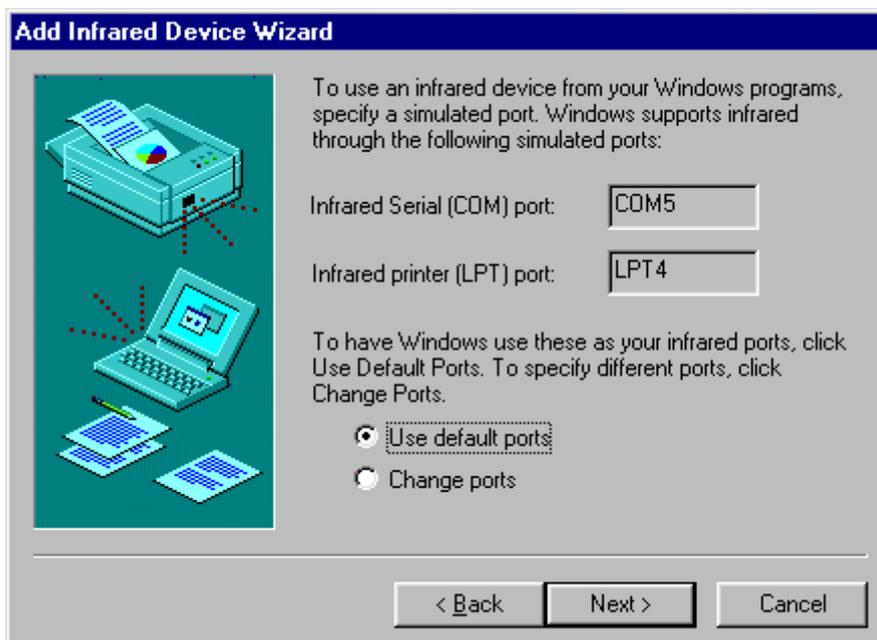


Figure 5. Select simulated COM ports.

We strongly recommend that you to choose "Use default ports". If there, by any chance, would be a problem with the simulated ports, make sure that the simulated ports are of a

higher number, than the amount of normal COM ports available on your computer. Please note that the simulated port should not be given exactly the same number as a normal COM port.

When the simulated ports have been selected, click **Next** and everything is automatically installed. After a short while the last dialog box is shown on the screen, and if the installation was successful it says:

“Your infrared device has been set up successfully.”

“To activate this infrared device, double-click the Infrared...”

Click **Finish** and the IR installation is done.

2. How to install the C Pen

Follow the instructions given in the dialog boxes appearing on the screen. In order to continue, click the **Next** button.

2a. Select Program Folder

Depending on what's already installed on your computer there might be several different alternatives in the dialog box in figure 7. The choice made here will decide in **which sub menu** in the Start menu (in the lower left corner on your screen) you will find the C Pen software. The default setting is a new folder called C Pen, but please choose the folder most convenient to you.

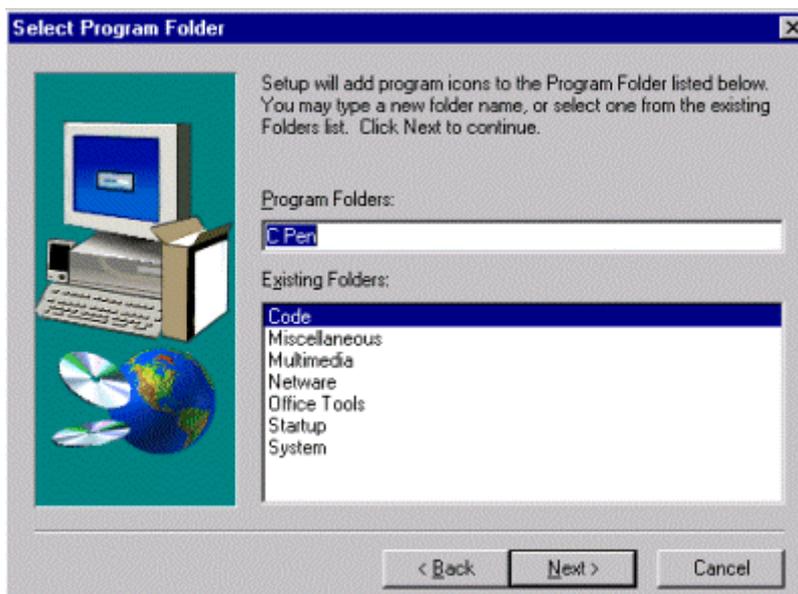


Figure 7. Select a Program Folder.

When a program folder is selected, click **Next** and the C Pen software automatically installs. If the installation was successful, the appearing dialog box will tell you so and you can choose to restart the computer immediately or later. We recommend you to restart immediately.

Click **Finish** and the installation is done.

INSTALLATION FOR WINDOWS 98

1. How to install the IR driver

If a working infrared support already exist we recommend you to keep the installation as it is.

If an IR device is not installed, start the installation by clicking the **Install IR** button in the dialog box which appears on the screen when the C Pen software CD is put in the computer. Read the text in the dialog boxes. If there are options just select the ones you prefer and then click the **Next** button.

1a. Add New Hardware

Concerning laptops with a built-in IR device; it should be installed with Plug & Play, which starts automatically. If it does not work, please read your laptop manual.

During the installation of the IR device on stationary computers there will be a check for new hardware and if none is detected the IR device must be installed manually. In order to do so, select the option **Infrared devices** in the dialog box in figure 1.



Figure 1. Select of the type of hardware you want to install.

1b. Add Infrared Device

In the dialog box in figure 2 the manufacturer of the infrared device is to be chosen.

In order to get the manufacturer's name, carefully read the text on the IR device's transportation box, delivered together with the IR device. Then select (click) the correct alternative to the left in the dialog box, figure 2. Please note that it is sometimes hard to find the manufacturer's name since it most of the times written only on the transportation box and not on the device itself.

If you can not find the manufacturer in the left column in figure 2, please choose the premier alternative, **Infrared COM port or dongle**. In Windows 98 the dialog box for this option differs a lot from the ones for Windows 95 and Windows NT. Then, in the next dialog box (figure 3) the **type of IR device** is to be selected.



Figure 2. Select the IR device's manufacturer.

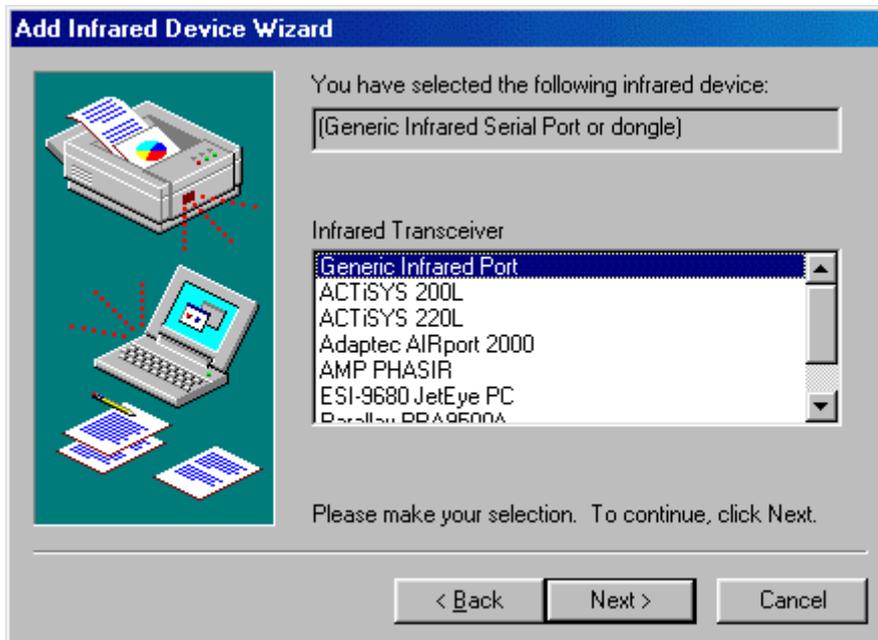


Figure 3. Select the type of IR device. Table of dongles.

In the dialog box in figure 4 the **COM port** is to be chosen. The COM port is the port on the back of the computer to which you have connected the IR adapter. Sometimes the COM port's number is written next to the port, but normally it is not.



Figure 4. Select the proper COM port.

If the COM port's number, to which your IR adapter is connected, is not written on the computer just chose one of the alternatives in the dialog box in figure 4. When the installation is finished try to use the IR adapter in order to get the computer to communicate with the C Pen. If the IR connection is not working correctly you probably chose the wrong COM port. To change the COM port, click the right mouse button on the icon **Network Neighborhood** and then select **Properties**. In **Properties** select **Configuration**, double click the **Generic Infrared Serial Port or dongle** and then choose **Advanced**. In the appearing dialog box, figure 5, you can now choose Serial Port to the left in **Property**, and COM port to the right in **Value**.

To make sure the right type of IR device is selected, click **Infrared Transceiver** in the dialog box in figure 5 and check the name to the right in **Value**. The available alternatives are: ACTiSYS 200L, ACTiSYS 220L, Adaptec Air 2000, AMP PHASIR, ESI-9680 JetEye PC, Generic Infrared Port, Parallax PRA9500A, Tekram IRMate-210. If your IR device is of another make or model number please follow the manufactures instruction closely.

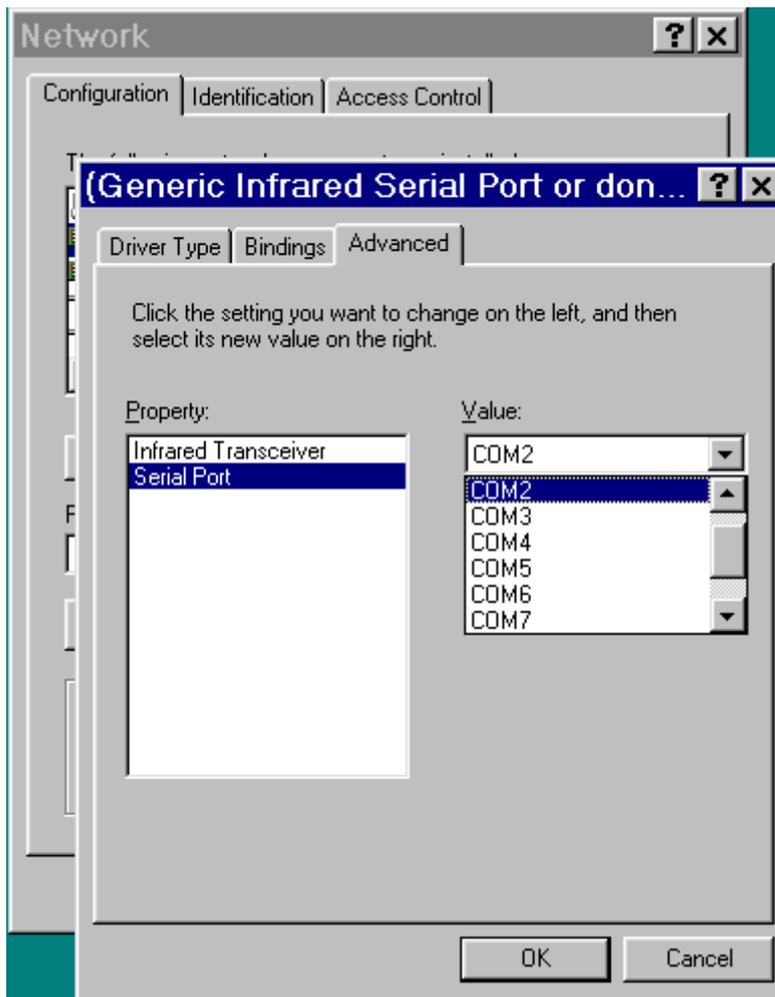


Figure 5. Network properties, COM ports.

In figure 6 on the next page, also the **simulated COM ports** have to be selected.

We strongly recommend that you choose "Use default ports". If there by any chance should be a problem with the simulated ports, please make sure that the simulated ports are of a higher number than the amount of normal COM ports available on your computer. Please note that the simulated port should not be given exactly the same number as a normal COM port.

When the simulated ports are selected, click the **Next** button and the software is automatically installed. After a short while the last dialog box is shown on the screen, click the **Finish** button and the IR installation is done.

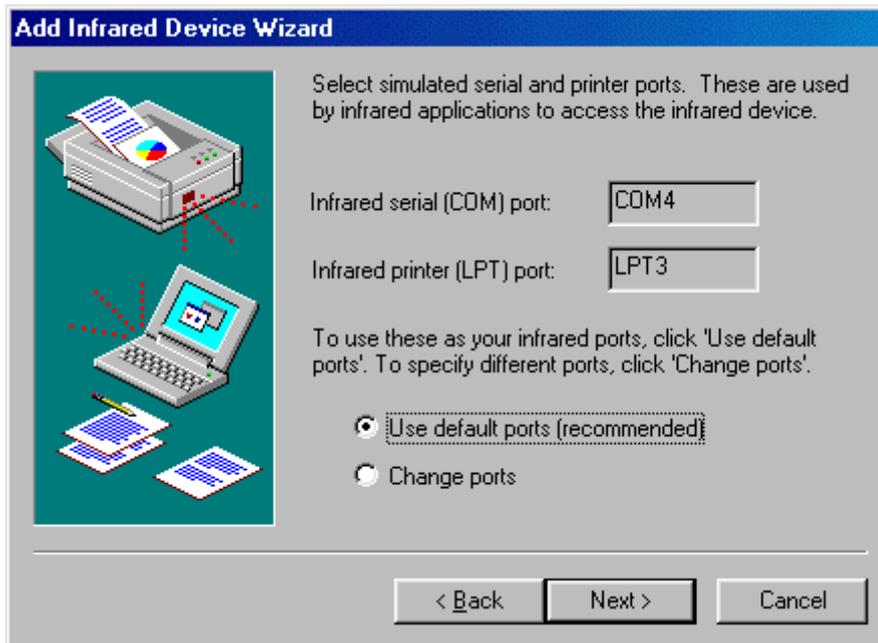


Figure 6. Select simulated COM ports.

2. How to install the C Pen

Follow the instructions given in the dialog boxes appearing on the screen click the **Next** button to continue.

2a. Choose Destination Location



Figure 7. Select destination folder.

In figure 7 you can choose whether you want the C Pen files to be stored in the suggested destination folder or if you want to choose one of your own. If another folder is desired, click the **Browse** button.

2b. Select Program Folder

Depending on what's already installed on your computer there might be several different alternatives in the dialog box in figure 8. The choice made here will decide in **which sub menu** in the Start menu (in the lower left corner on your screen) you will find the C Pen software. The default setting is a new folder called C Pen, but please choose the folder most convenient to you.



Figure 8. Select a program folder.

When a program folder is selected, click **Next** and the C Pen software automatically installs. If the installation was successful, the appearing dialog box will tell you so. Click the **Finish** button and the last message will appear on your screen asking if you want to restart the computer immediately or later. We recommend you to restart immediately.

Click the **Finish** button in the last dialog box, and the installation is done.

INSTALLATION FOR WINDOWS NT

1. How to install the IR driver

For Windows NT there is no need to install an IR driver since it is included in the C Pen Windows software. If you try to install it anyway, the following message appears:

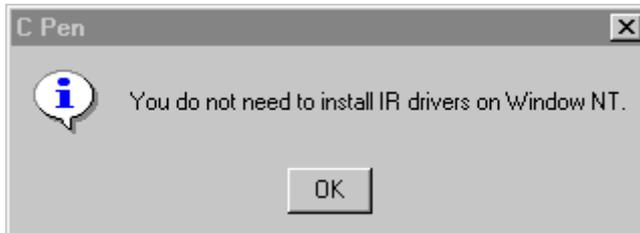


Figure 1. Installing the IR driver.

If you, by any reason, do not have an IR device installed, start the installation by clicking the **Install IR** button in the dialog box which appears on the screen when you put the C Pen software CD in your computer. Read the text in the dialog boxes. Please select any options you prefer and then click the **Next** button.

2. How to install the C Pen

Follow the instructions given in the dialog boxes appearing on the screen click the **Next** button to continue.

2a. Select Program Folder

Depending on what's already installed on your computer there might be several alternatives in the dialog box in figure 2. The choice made here will decide in **which sub menu** in the Start menu (in the lower left corner on your screen) you will find the C Pen software. The default setting is a new folder called C Pen, but please choose the folder most convenient to you.

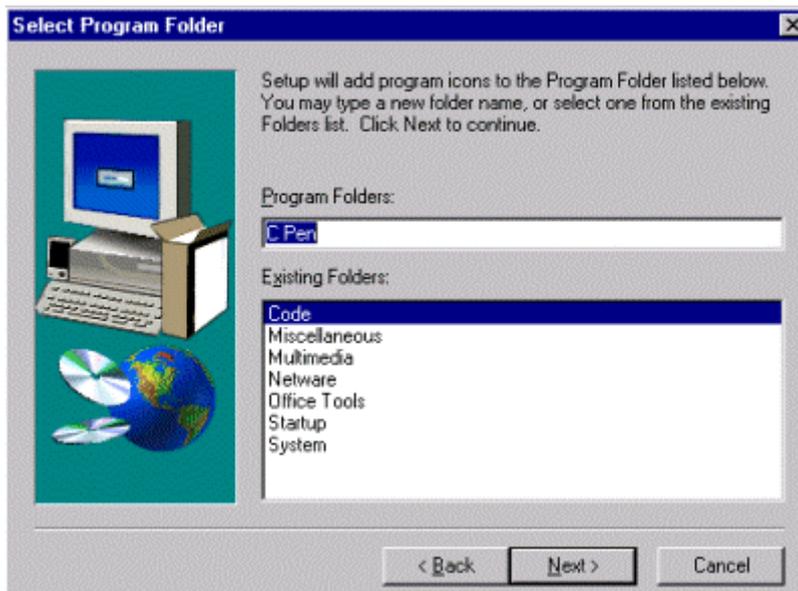


Figure 2. Select a Program Folder.

2b. Select Components

Select Components consists of several dialog boxes.

In the dialog box in figure 3 the **COM port** is to be chosen. The COM port is the port on the back of the computer to which you have connected the IR adapter. Sometimes the COM port's number is written next to the port, but normally it is not.

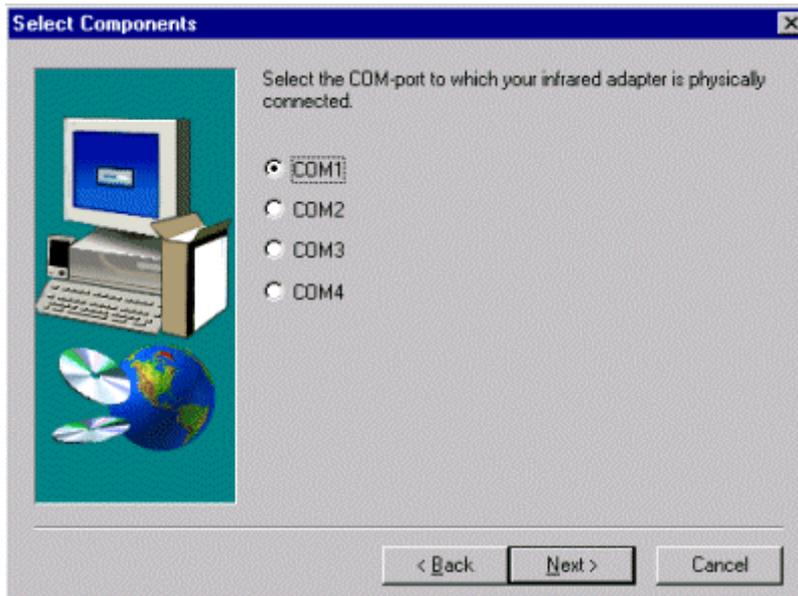


Figure 3. Select the COM port.

If the COM port's number is not written on the computer, one of the alternatives has to be chosen to start with. If something seems to be wrong later on with the IR connection it is probably because the wrong COM port was chosen. If the COM port is suspected to be the problem you have to uninstall the C Pen (a program in the same menu as the C Pen) and then install it again, choosing another COM port.

This procedure may seem awkward to you, but unfortunately this is the only way to manage this problem until the computers have the numbers of the COM ports written beside them on the back of the computer.

To get information about the amount of COM ports on your computer, click the *Start menu* (in the lower left corner on your screen), choose *Settings* and then *Ports*.

In figure 4 the **type of the IR adapter** is to be chosen and the alternatives supported by C Technologies are listed. In order to get the manufacturer's name, carefully read the text on the IR device's transportation box, delivered together with the IR device. Then select (click) the correct alternative to the left in the dialog box, figure 2.

Please note that it is sometimes hard to find the manufacturer's name since it most of the times is written only on the transportation box and not on the device itself.

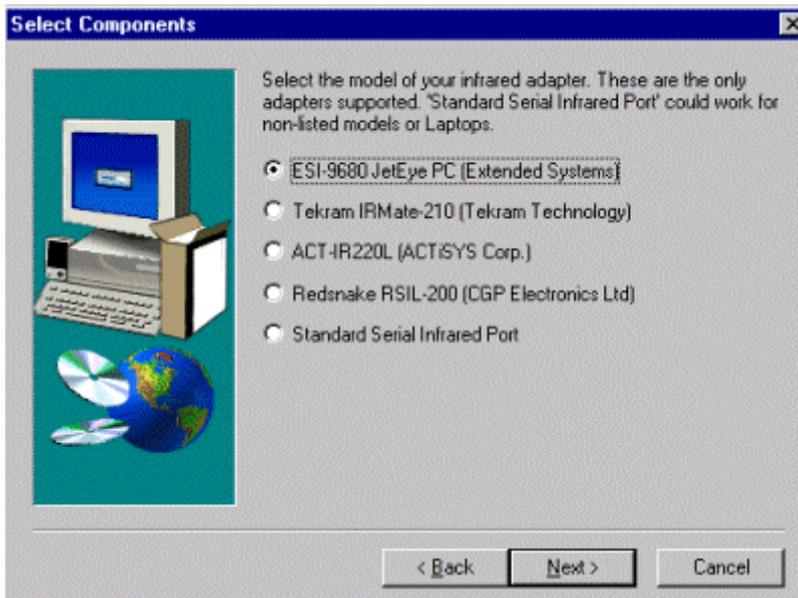


Figure 4. Select the IR adapter used.

When the IR adapter is selected, click **Next** and the software automatically installs. After a short while the last dialog box is shown on the screen giving the message:

"Setup has finished installing C pen software on your computer."

"Click Finish to complete Setup."

Click **Finish** and the installation is done.