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# ***Installation Manual USB-IrDA Dongle***

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## **IR-520U USB-IrDA Dongle**

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### **Windows 2000/98/98SE/Millennium Software Installation and Operations**

**Release 1.12**

This document provides instructions to install the USB-IrDA Dongle along with the Windows 2000/98/98SE/Me USB-IrDA device driver. Also included is a guide to performing file transfer (send and receive) operations using the built-in file transfer applications. It is assumed that the user is familiar with basic operation of Windows 2000/98/98SE/Me.

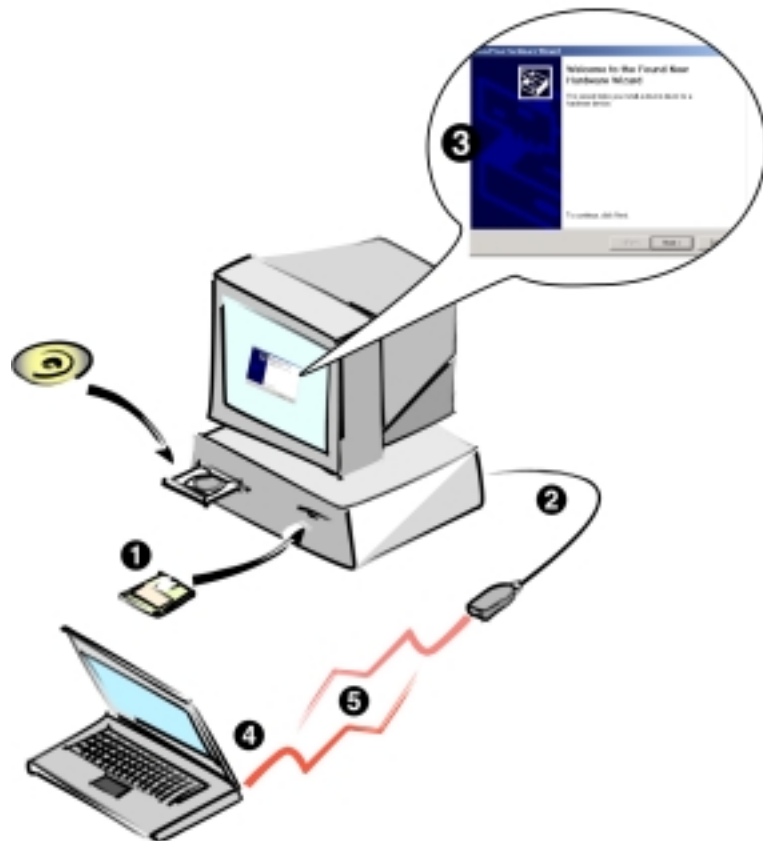
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## 1 QUICK START – WINDOWS 2000

If you are familiar with installing hardware in Windows 2000, follow these brief instructions. For more detailed information, see the following pages.

1. Copy the driver file (stirusb.sys) and the .inf file (stirusb.inf) to a floppy disk.
2. Plug the USB-IrDA Dongle into an available USB port on the desktop computer.
3. Follow the installation wizard instructions to install the device using the drivers on the floppy disk.
4. Make sure the other computer (for example, a notebook) has its IR port activated. Align the Dongle and the notebook. The computers will “discover” each other.
5. To send files, double-click the **IR icon** in the system tray.

To receive files, click the **Wireless Link** icon on the desktop to set a default folder, then send from the notebook.

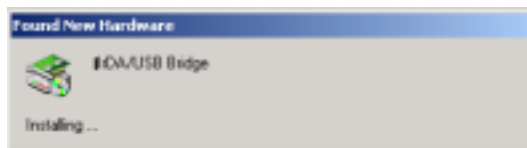


## 2 WINDOWS 2000 – USB-IRDA DEVICE DRIVER INSTALLATION

Following are the instructions to properly install the USB-IrDA Dongle and the Windows 2000 USB-IrDA device driver. You need a computer system with at least one USB port and Windows 2000 already installed. The best choice for this system is a desktop computer.

6. Copy the Windows 2000 driver file (*Stirusb.sys*) and the .inf file (*Stirusb.inf*) to a floppy disk.
7. Boot up the system.
8. Insert the floppy disk that contains the two driver files.

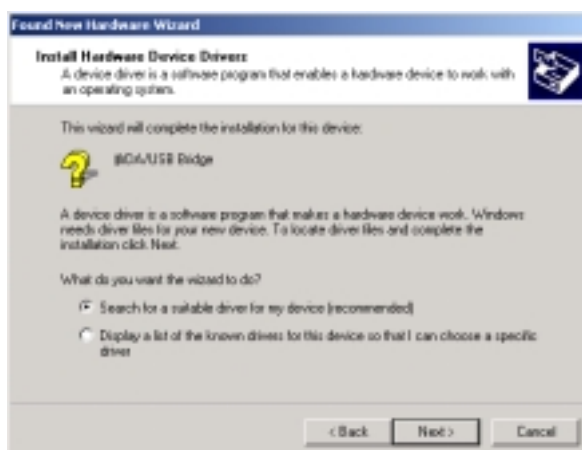
9. Plug in the USB-IrDA Dongle into a USB port on the desktop computer. Windows recognizes insertion of a Plug & Play device and displays this box:



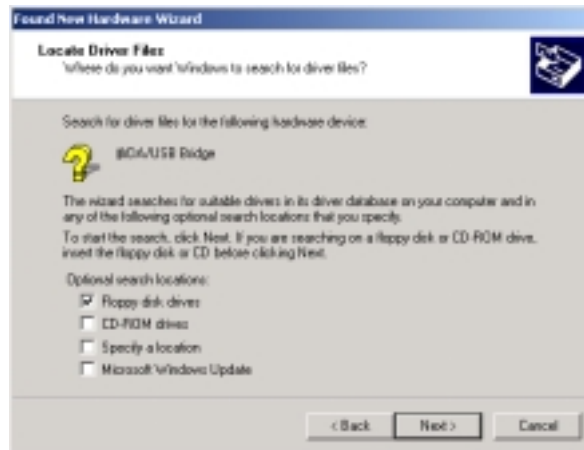
10. The Found New Hardware Wizard appears. To continue, click the **Next** button.



11. The Wizard continues the installation with the Install Hardware Device Drivers screen. Use the recommended choice to search for a suitable driver. To continue, click the **Next** button.



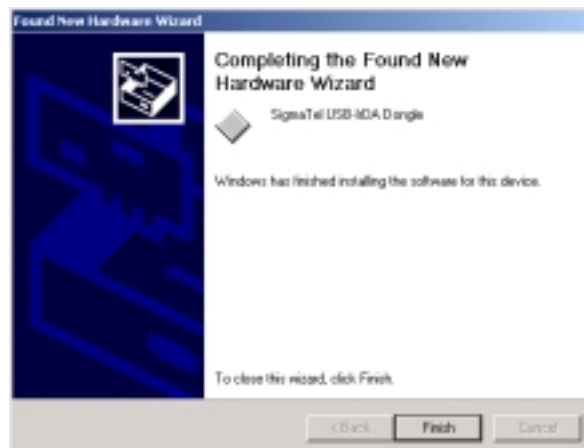
12. On the Locate Driver Files screen, make sure the check box for **Floppy disk drives** is the **ONLY** box checked. To continue, click the **Next** button.



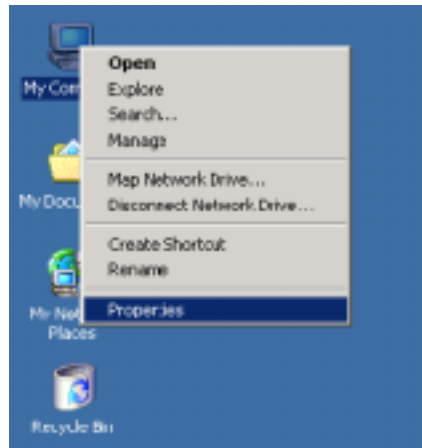
13. The Wizard then finds the `stirusb.inf` file on the floppy disk drive. To continue, click the **Next** button.



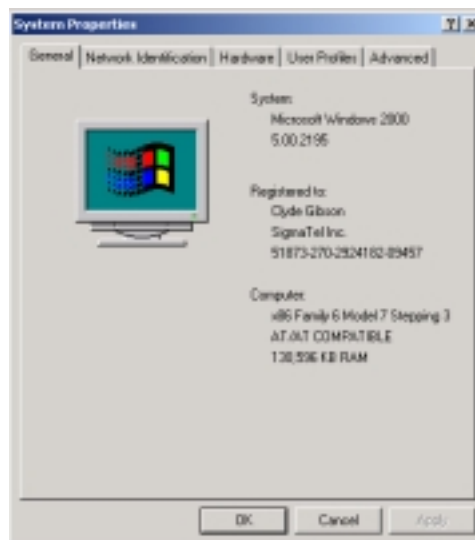
14. Click **Finish** on the Completing the Found New Hardware Wizard to complete the installation.



15. To verify proper installation, right-click the **My Computer** desktop icon and then select **Properties**.



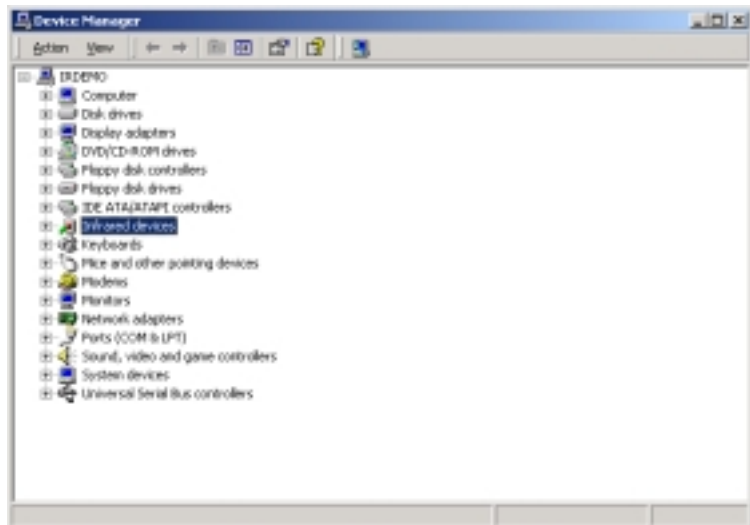
16. Click the Hardware tab on the System Properties box.



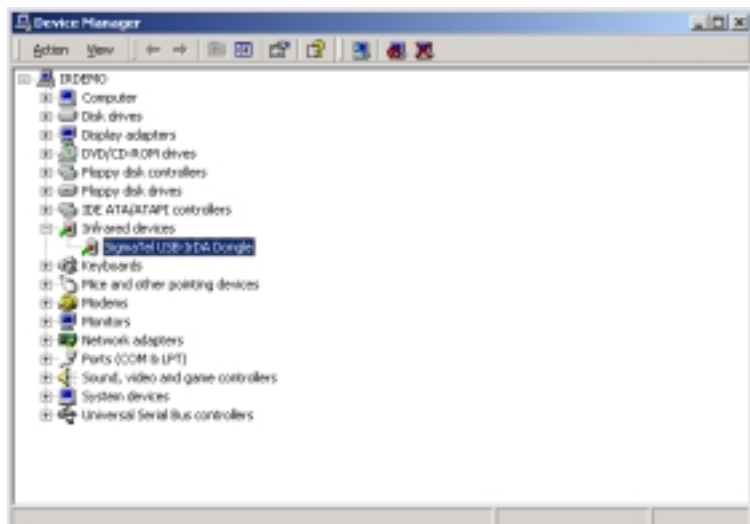
17. Click the **Device Manager** button.



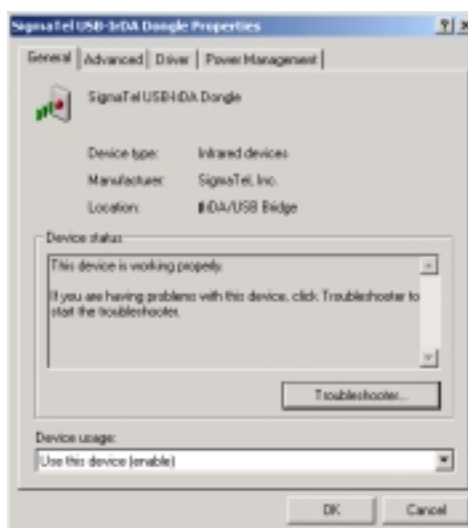
18. The Device Manager window is displayed. Select **Infrared devices** in the device list and double-click it.



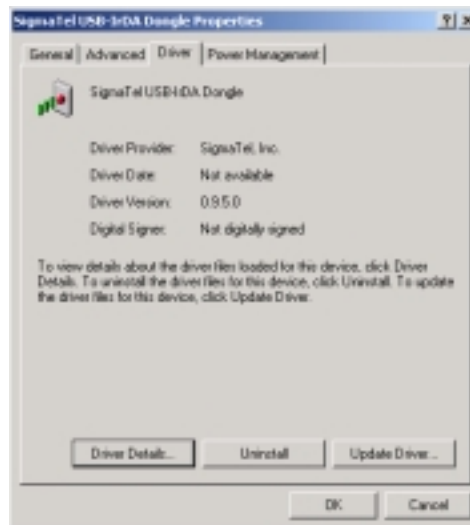
19. IR520U USB-IrDA Dongle appears under Infrared devices. Double-click **IR520U USB-IrDA Dongle** to view the device properties.



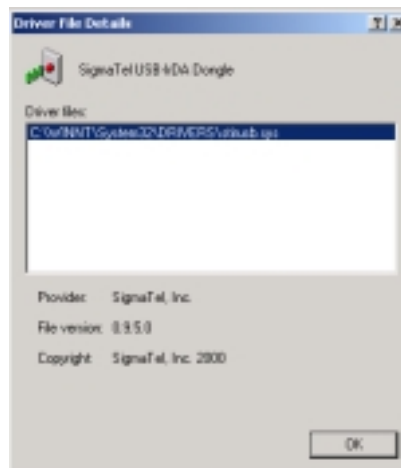
20. In the IR520U USB-IrDA Dongle Properties dialog box, the Device status window indicates, the device is working properly.



21. To confirm the proper driver was installed, click the **Driver** tab. Verify the correct Driver Version from the Properties Panel. View the driver name by clicking the **Driver Details...** button.



22. The Driver File Details window shows the location (path name) and file name of the USB-IrDA Dongle device driver. The File version is shown also.



The Windows 2000 USB-IrDA Dongle device driver is installed. You may now close all of the windows and dialog boxes that were opened during the installation process. This completes the installation of the Windows 2000 USB-IrDA Dongle device driver.

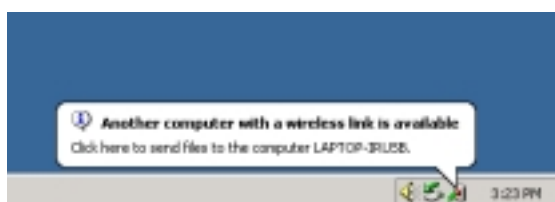
### 3 FILE TRANSFER OPERATIONS FOR WINDOWS 2000

This section describes how to send and receive files using the USB-IrDA Dongle. You will need two computers in order to demonstrate the USB-IrDA Dongle. The first computer is the system with the previously installed USB-IrDA Dongle and the best choice for the second system is a notebook computer with a built-in IrDA port. The notebook should also have Windows 2000 installed.

#### 1.1 Sending a File

1. Point the notebook computer's built-in infrared port towards the USB-IrDA Dongle attached to the desktop computer.

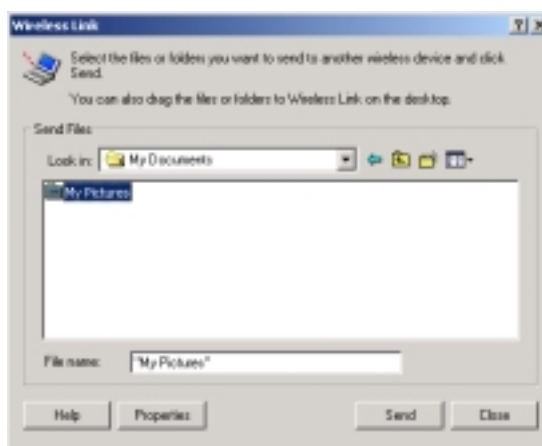
2. The two computer systems "discover" each other and connect. The **IR icon** appears in the system tray on the desktop system.



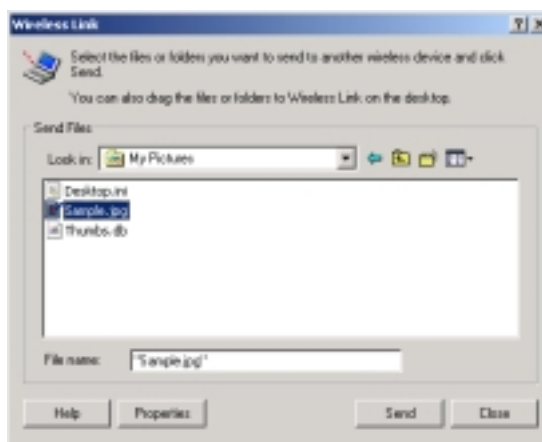
3. To send a file from the desktop computer, double-click the **IR icon** in the system tray of the desktop system.

4. This brings up the Wireless Link dialog box.

From here, navigate to the files that you want to transfer. Select the files and click the **Send** button.

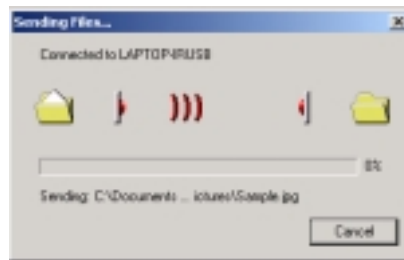


For example, double-click the **My Pictures** folder to open it. Then select the **Sample.jpg** file and click the **Send** button.





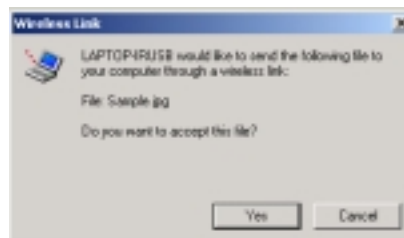
5. The file is sent to the other system.



6. The IR icon in the system tray also changes to show the file data transfer.



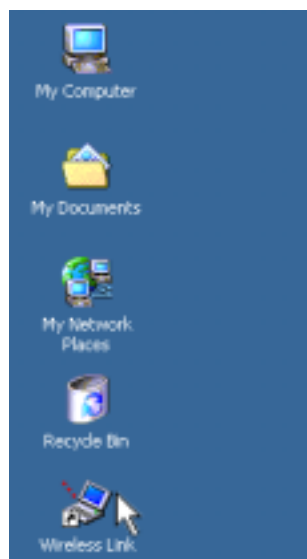
7. If the receiving computer is running Windows 2000, the file is not sent until permission to receive the file is confirmed. The Wireless Link window is displayed on the receiving computer for confirmation. Click **Yes** to accept the transmission.



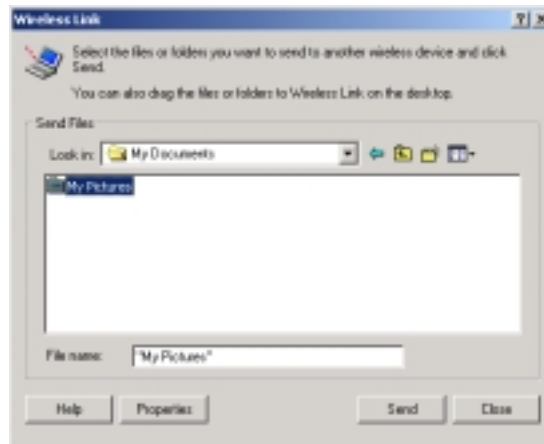
This completes the process of sending a file from the desktop system to the notebook.

## 1.2 Receiving a file

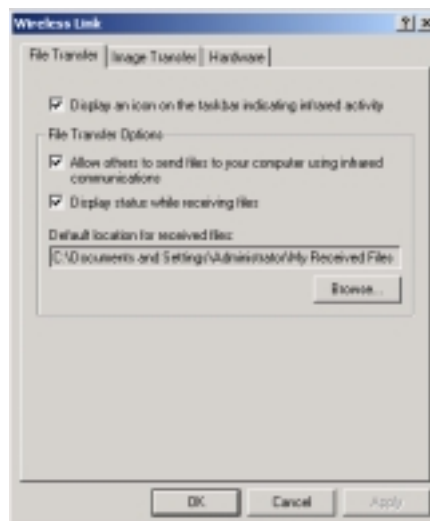
1. To receive a file from the notebook, the first step is to select a default folder on the desktop system for the files to go into. The original default folder is the Windows Desktop. To select a different default folder, double-click the **Wireless Link** icon on the desktop.



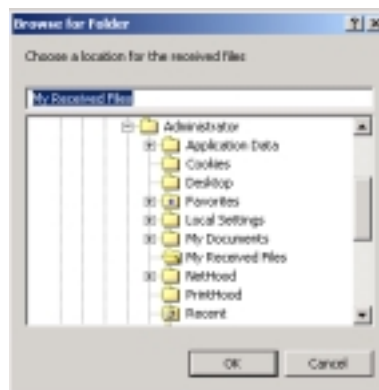
- 
2. The Wireless Link window is displayed. Click the **Properties** button.



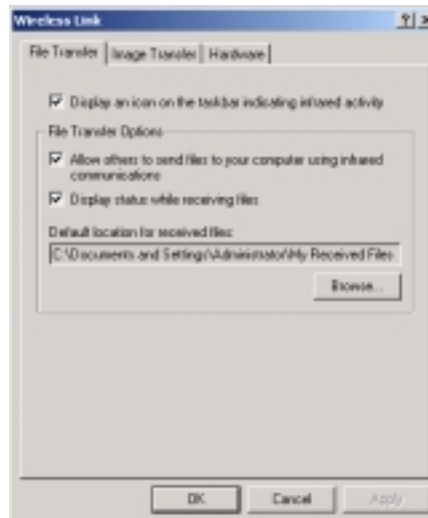
- 
- 
3. In the Wireless Link properties dialog box, click the **Browse** button.



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- 
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4. Select a folder in the Browse for Folder dialog box. You may select a folder of your choice or the My Received Files folder as shown.
5. Click **OK** to save the new default folder.

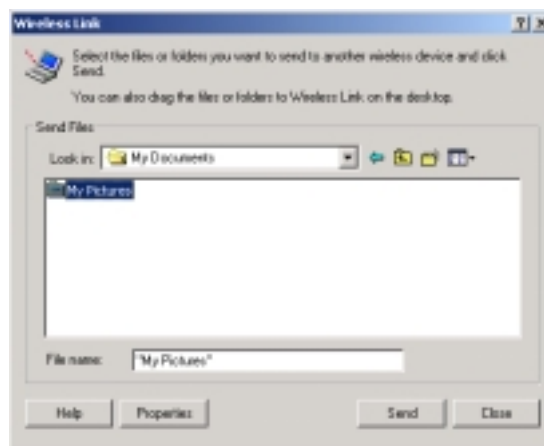


6. Click the **OK** button to accept the changes in the Wireless Link dialog box.

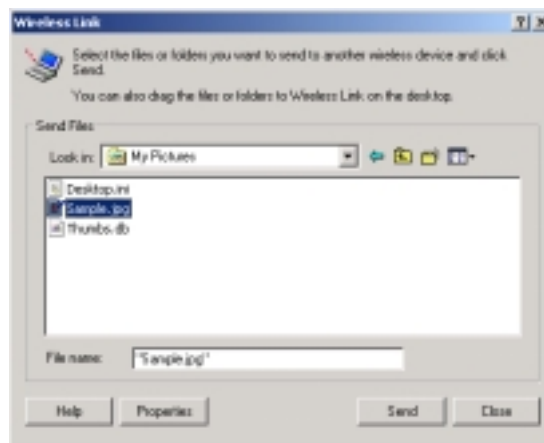


7. This brings up the Wireless Link window.

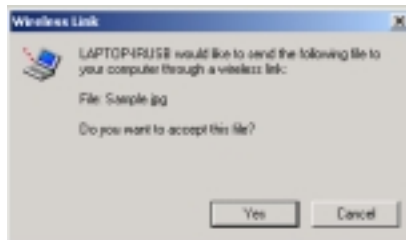
From here, navigate to the files that you want to transfer. Select the files and click the **Send** button.



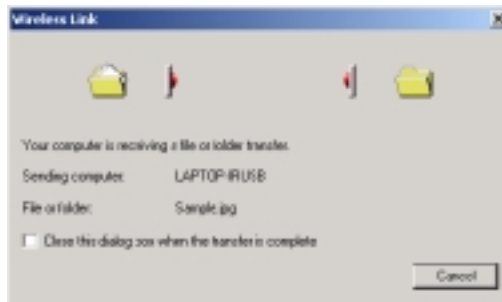
For example, double-click the **My Pictures** folder to open it. Then select the **Sample.jpg** file and click the **Send** button.



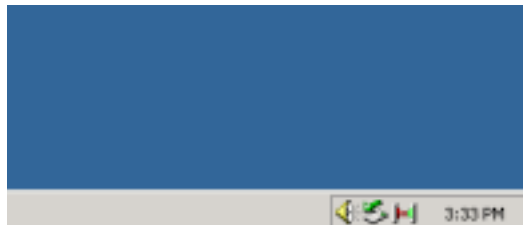
8. The file cannot be received until permission to receive the file is confirmed on the desktop computer. Click **Yes** to receive the file.



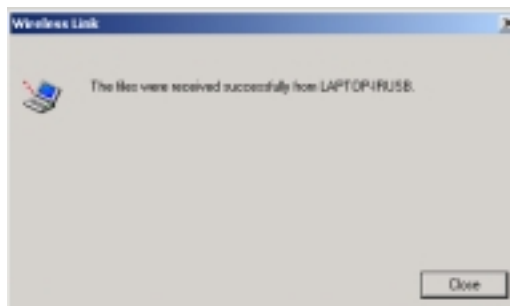
9. While the data is transferring, the Wireless Link dialog box will show the activity on the desktop computer.



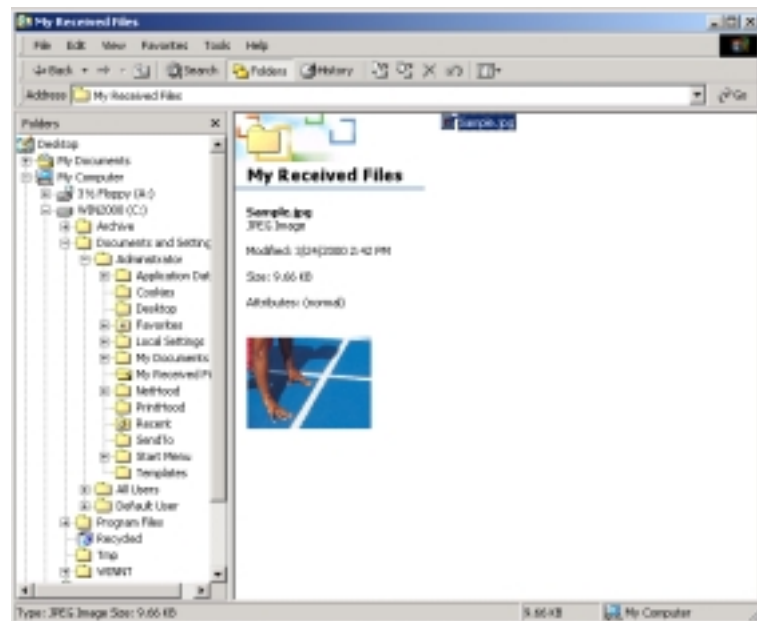
10. The IR icon in the system tray of the laptop also changes to show the file data transfer.



11. Once the file transfer has completed, the Wireless Link dialog box will change to show the successful transfer. Click on the **Close** button to complete the transfer.



12. The received file is saved in the default folder that was selected earlier. To view the received file, open Windows Explorer and select the default folder (The default folder used in the example is C:\Documents and Settings\Administrator\My Received Files.)

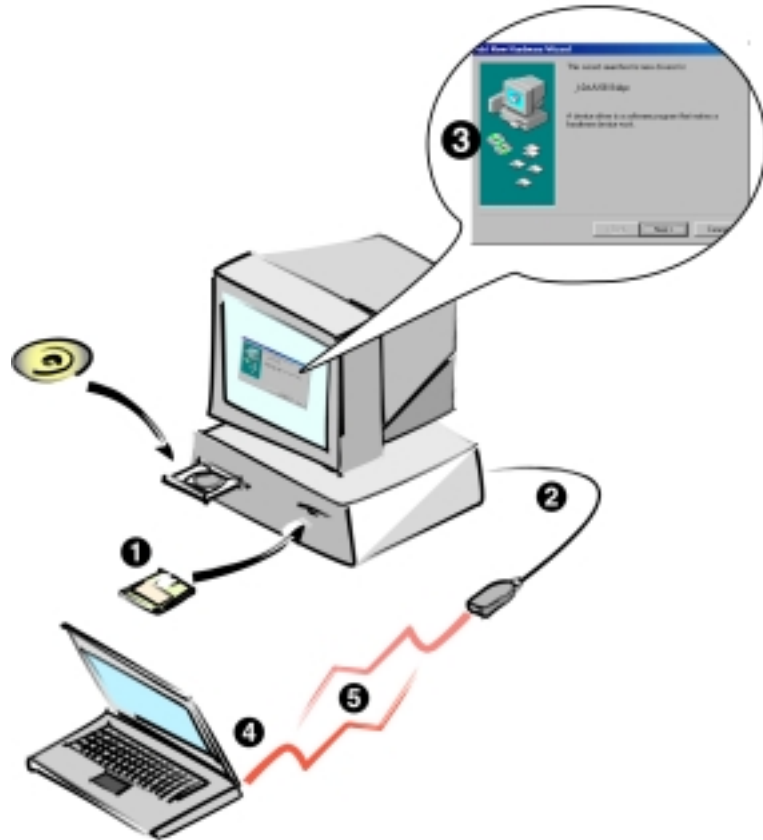


This completes the process of sending a file from the notebook to the desktop system.

## 4 QUICK START – WINDOWS 98/98SE

If you are familiar with installing hardware in Windows 2000, follow these brief instructions. For more detailed information, see the following pages.

1. Copy the driver file (stirusb.sys) and the .inf file (stirusb.inf) to a floppy disk.
2. Plug the USB-IrDA Dongle into an available USB port on the desktop computer.
3. Follow the installation wizard instructions to install the device using the drivers on the floppy disk.
4. Enable the IR ports on both computers by double-clicking on the IR icon in the system tray. Under the Options tab, check Enable infrared communication.
5. Align the Dongle and the notebook so the computers will “discover” each other.



To send files, from the desktop go to **My Computer>>Infrared Recipient**.

To receive files, follow the instructions that appear when the computer receives the transmission.

## 5 WINDOWS 98/98SE DEVICE DRIVER INSTALLATION

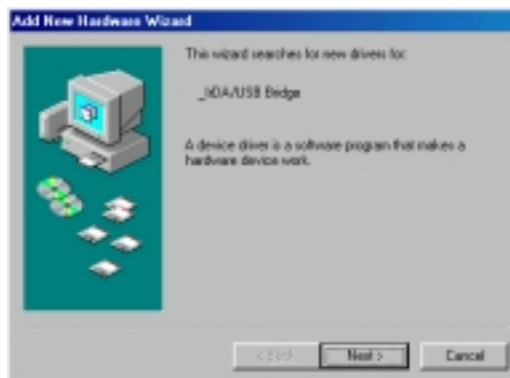
Following are the instructions to properly install the USB-IrDA Dongle and the Windows 98/98SE USB-IrDA device driver. You need a computer system with at least one USB port and Windows 98/98SE already installed. The best choice for this system is a desktop computer.

1. Copy the Windows 98/98SE driver file (stirusb.sys) and the .inf file (stirusb.inf) to a floppy disk.
2. Boot up the system.
3. Insert the floppy disk that contains the two driver files.

4. Plug the USB-IrDA Dongle into a USB port on the computer. Windows recognizes insertion of a Plug & Play device and begins the enumeration sequence by displaying the New Hardware Found window.



5. Windows then displays the Add New Hardware Wizard for the "\_IrDA/USB Bridge" device. To continue, click the **Next** button.



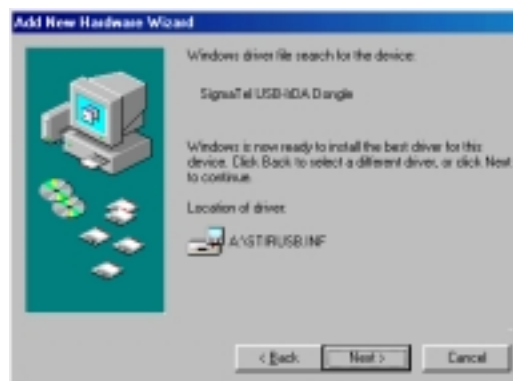
6. Select the search method to locate the device driver to install. Use the recommended choice to search for a suitable driver. To continue, click the **Next** button.



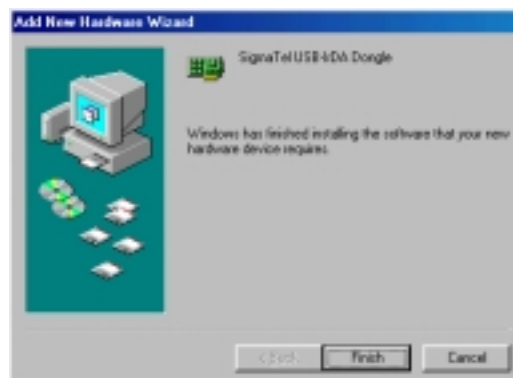
7. When asked for the location of where to find the new device driver, make sure the check box for **Floppy disk drives** is the **ONLY** box checked. To continue, click the **Next** button.



8. The Add New Hardware Wizard then finds the `Stirusb.inf` file on the floppy disk drive. To continue, click the **Next** button.



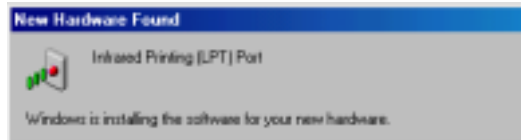
9. To complete the installation, click the **Finish** button.



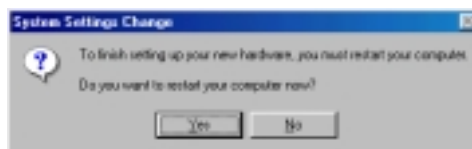


10. Windows completes the installation of the driver and the Windows 98/98SE Infrared Support software (Infrared Monitor, Infrared Recipient, and Virtual Serial/LPT Ports). At some point Windows may ask for files that are located on the Windows 98/98SE CD. You need a Windows 98/98SE CD available, if needed.

**Note:** Some PC's have the Windows CAB files already archived on the hard drive and will not require the actual CD.



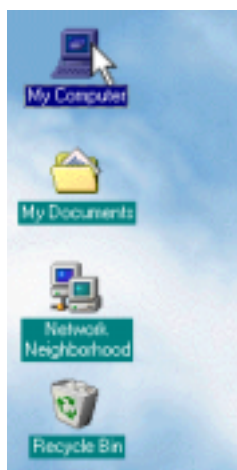
11. Once the installation process has finished, Windows will prompt to reboot the system. At this time click **Yes** to restart the computer.



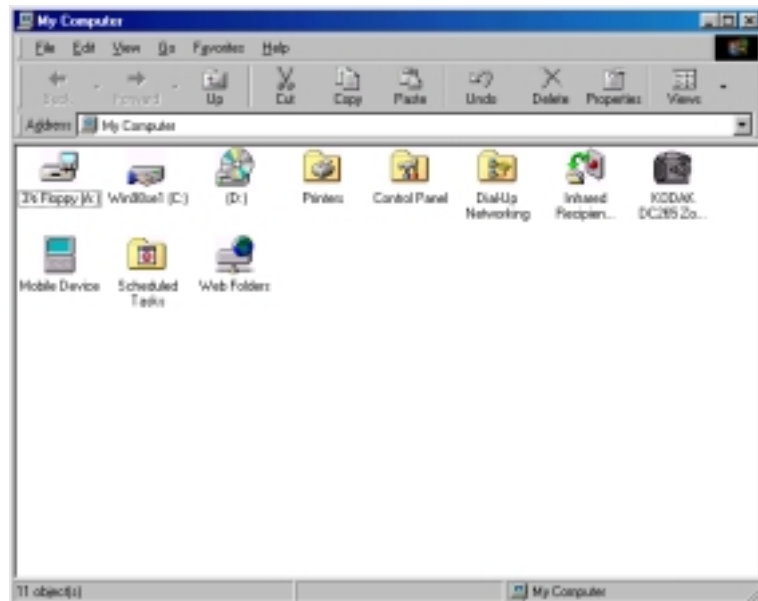
12. After the reboot, an icon appears in the system tray on the taskbar for the Infrared Monitor.



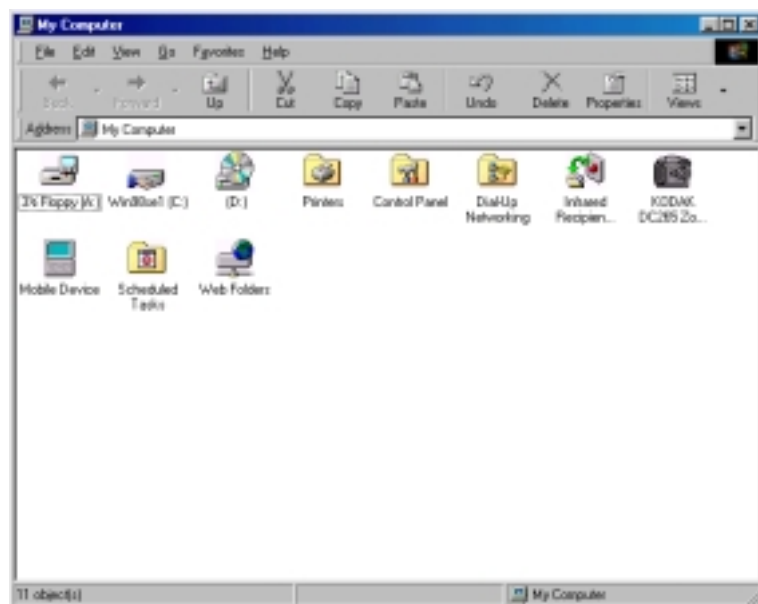
13. Double-click on the **My Computer** desktop icon.



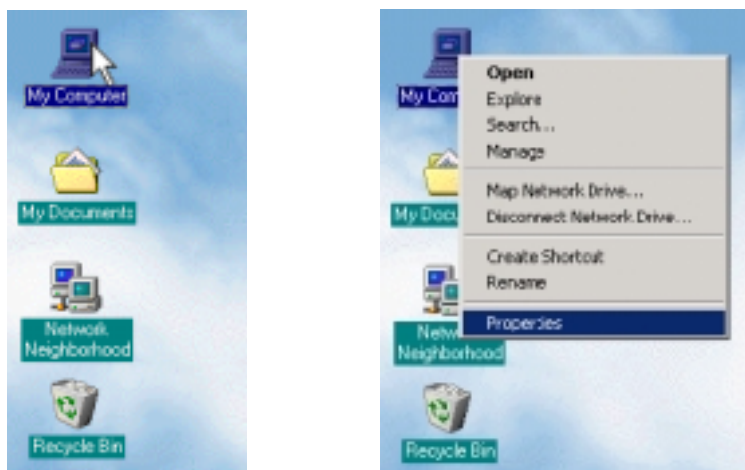
14. The **Infrared Recipient** icon is added to the My Computer folder. The Infrared Monitor in the system tray controls the operation of the IrDA connection, and the Infrared Recipient allows for file transfer between machines.



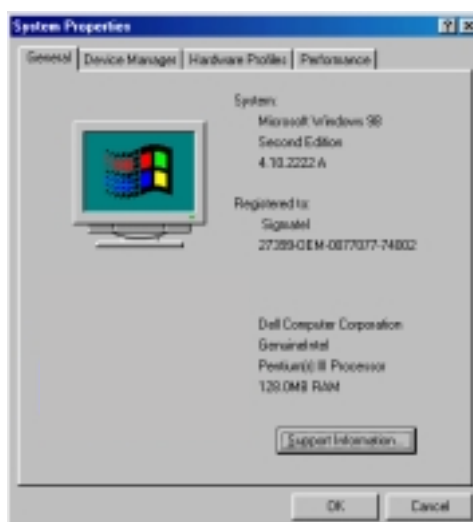
15. Close the My Computer window by clicking on the close window control.



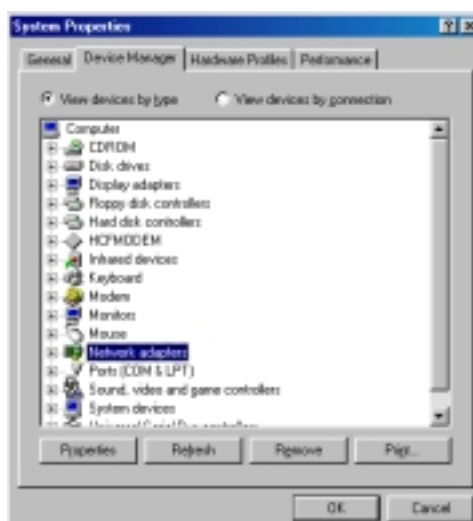
16. To verify driver installation, right-click on the **My Computer** icon and then select **Properties**.



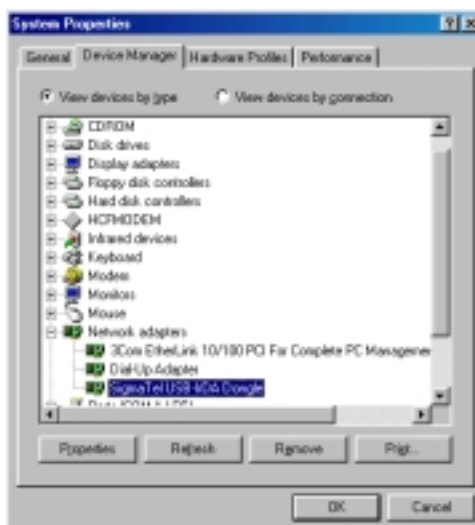
17. The System Properties dialog box is displayed. Click the **Device Manager** tab.



18. The Device Manager window is now viewable. Double-click on **Network Adapters** in the device list.



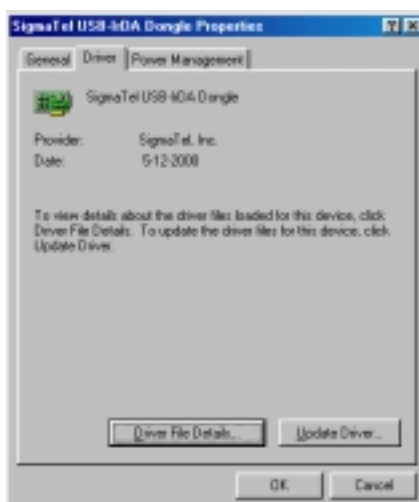
19. Find IR520U **USB-IrDA Dongle** and double-click on it. This displays the IR520U USB-IrDA Dongle Properties dialog box.



20. Verify in the Device Status frame that the device is working properly.



21. To view the device driver details, click on the **Driver** tab. Click the **Driver File Details...** button.



22. The Driver File Details window shows the location (path name) and file name of the USB-IrDA Dongle device driver. The File version is also shown.



The Windows 98/98SE USB-IrDA Dongle device driver is now installed. You may close all of the windows and dialog boxes that were opened during the installation process. This completes the installation of the Windows 98/98SE USB-IrDA Dongle device driver.

## 6 FILE TRANSFER OPERATION FOR WINDOWS 98/98SE

This section describes how to send and receive files using the USB-IrDA Dongle in Windows 98/98SE. You will need two computers in order to demonstrate the USB-IrDA Dongle. The first computer is the system with the previously installed USB-IrDA Dongle and the best choice for the second system is a notebook computer with a built-in IrDA port. The notebook should also have Windows 98 or Windows 98SE installed.

1. To enable the infrared port, double-click the **Infrared Monitor** icon in the system tray.



2. The Infrared Monitor panel is now viewable. Click the **Options** tab.



3. Click the **Enable infrared communication** box and then click the **Apply** button.



4. Click the **Status** tab to confirm the Infrared Monitor is working. The dialog box looks like this:

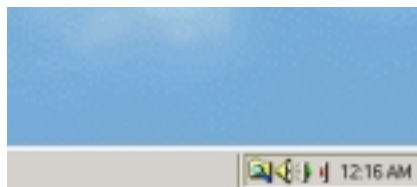


5. The Infrared Monitor in the system tray on the taskbar now looks like this:



6. Repeat Steps 1-5 for the other computer (notebook).
7. Point the USB-IrDA Dongle at the infrared port on the other computer. Both systems should "discover" each other and connect.

8. The Infrared Monitor icon in the system tray now looks like this:

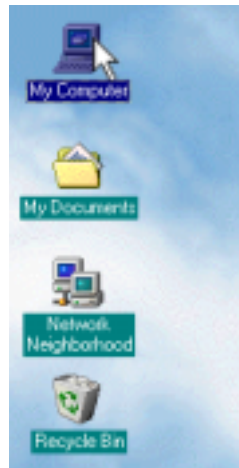


9. Double-click the Infrared Monitor icon to check the connection. The Infrared Monitor properties panel will open and display "One available infrared device is within range." The connected device is indicated in the panel.

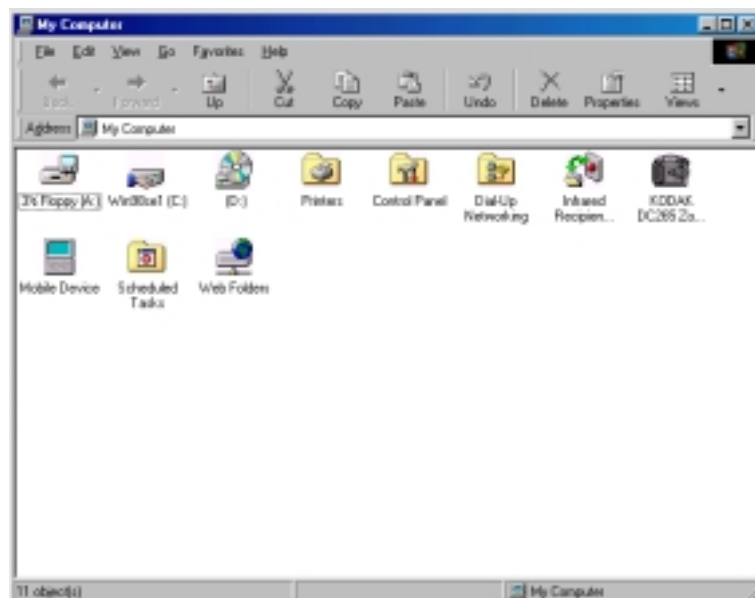
Click **Cancel** to close the panel.



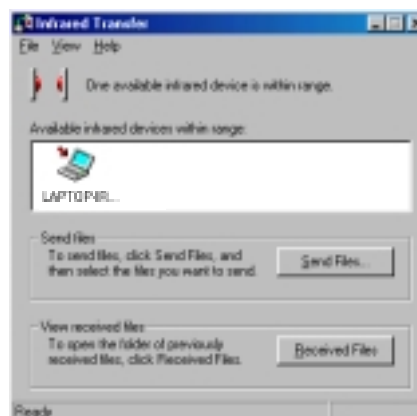
10. To send a file to the other computer, double-click the **My Computer** desktop icon.



11. In the My Computer window, double-click the **Infrared Recipient** icon to launch the Infrared Transfer applet.

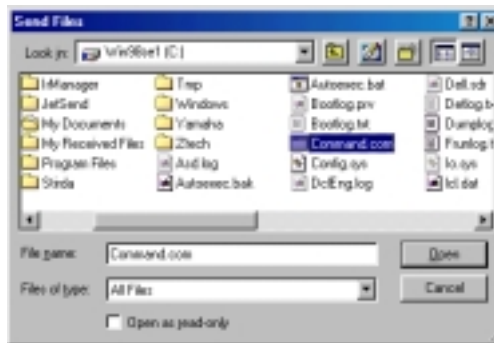


12. To transfer a file, click the **Send Files...** button.

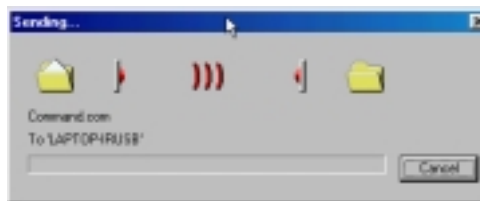




13. Select the folder and the file(s) to send. For example, Command.com is selected. Click the **Open** button to send the file to the notebook.

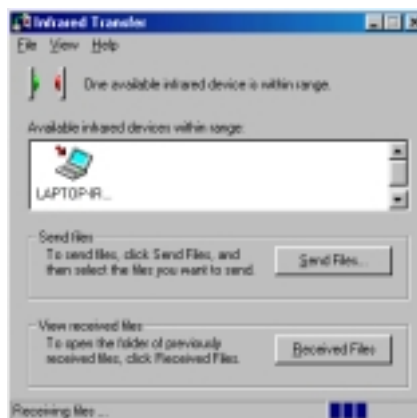


14. As the file is sent, the **Sending...** window is displayed.

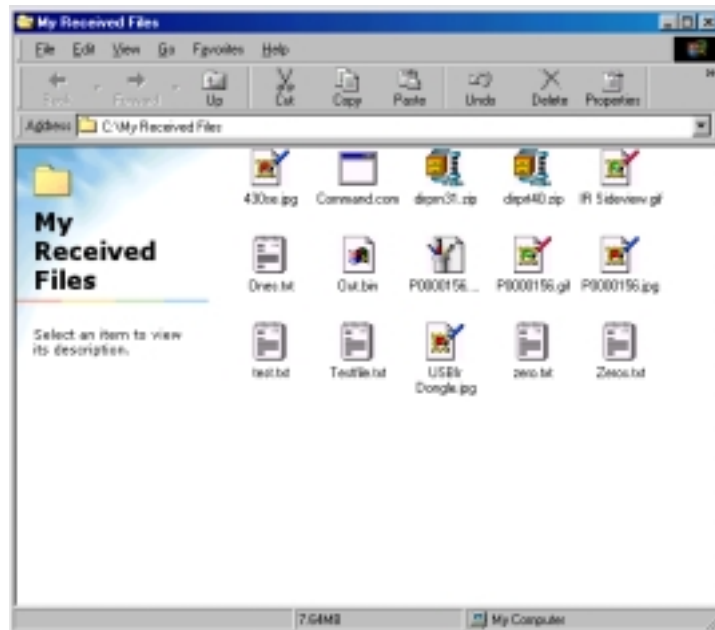


**NOTE:** You also follow Steps 1-14 to send a file from the notebook to the desktop system.

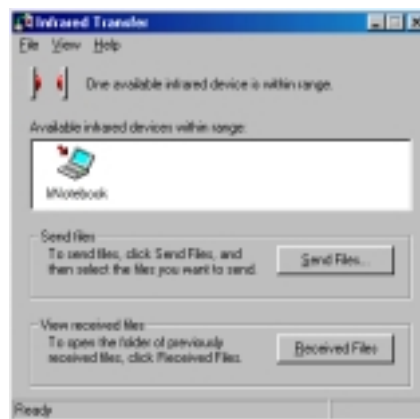
When receiving files from the other computer, the Infrared Transfer windows displays "Receiving files..." at the bottom of the window.



After the file transfer is complete, the Received Files folder opens up to show the received file.



The Received Files folder can be opened at any time by clicking the **Received Files** button.



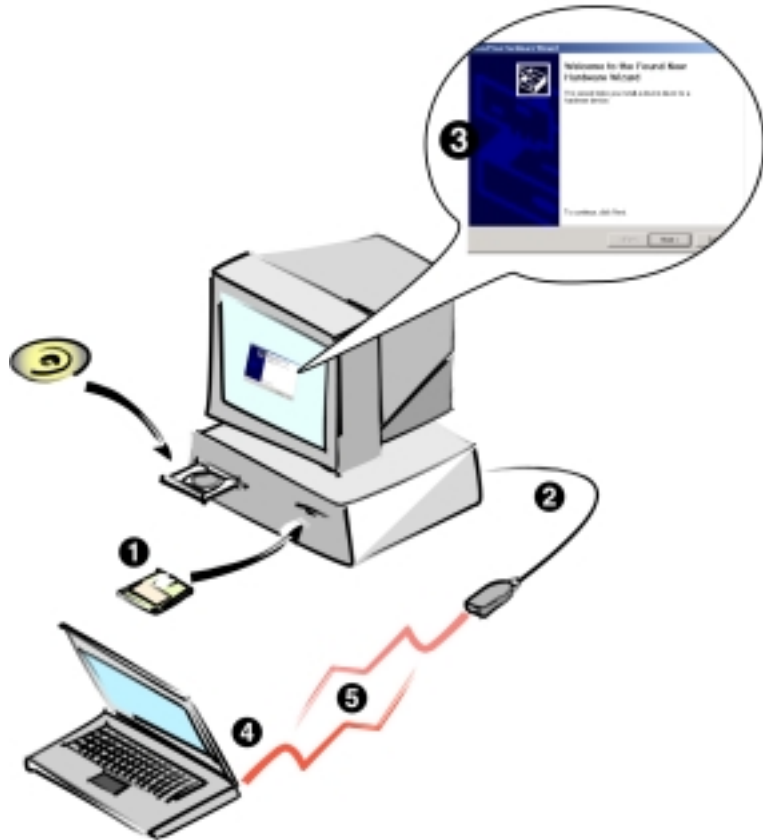
This completes file transfer operations under Windows 98/98SE from the desktop computer with the USB-IrDA Dongle to the notebook computer and from the notebook to the desktop computer.

## 7 QUICK START – WINDOWS MILLENNIUM

If you are familiar with installing hardware in Windows Me, follow these brief instructions. For more detailed information, see the following pages.

1. Copy the driver file (stirusb.sys) and the .inf file (stirusb.inf) to a floppy disk.
2. Plug the USB-IrDA Dongle into an available USB port on the desktop computer.
3. Follow the installation wizard instructions to install the device using the drivers on the floppy disk.
4. Make sure the other computer (for example, a notebook) has its IR port activated. Align the Dongle and the notebook. The computers will “discover” each other.
5. To send files, double-click the **IR icon** in the system tray.

To receive files, click the **Wireless Link** icon on the desktop to set a default folder, then send from the notebook.



## 8 WINDOWS MILLENNIUM – USB-IRDA DEVICE DRIVER INSTALLATION

Following are the instructions to properly install the USB-IrDA Dongle and the Windows Me USB-IrDA device driver. You need a computer system with at least one USB port and Windows Me already installed. The best choice for this system is a desktop computer.

6. Copy the Windows Me driver file (`Stirusb.sys`) and the `.inf` file (`Stirusb.inf`) to a floppy disk.
7. Boot up the system.
8. Insert the floppy disk that contains the two driver files.

9. Plug in the USB-IrDA Dongle into a USB port on the desktop computer. Windows recognizes insertion of a Plug & Play device and displays this box:



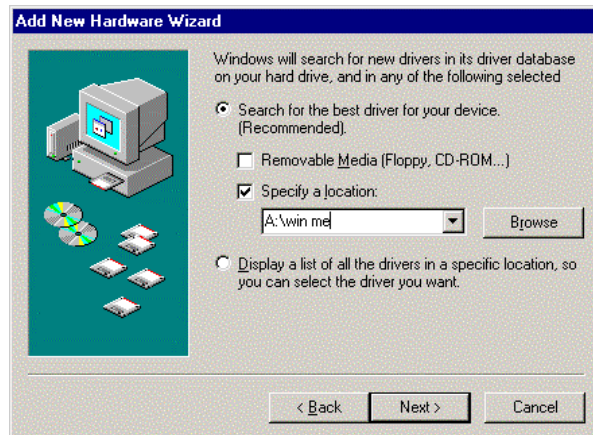
10. The Found New Hardware Wizard appears. To continue, click the **Next** button.



11. The Wizard continues the installation with the Install Hardware Device Drivers screen. Use the recommended choice to search for a suitable driver. To continue, click the **Next** button.



12. On the Locate Driver Files screen, make sure the check box for **Floppy disk drives** is the **ONLY** box checked. To continue, click the **Next** button.



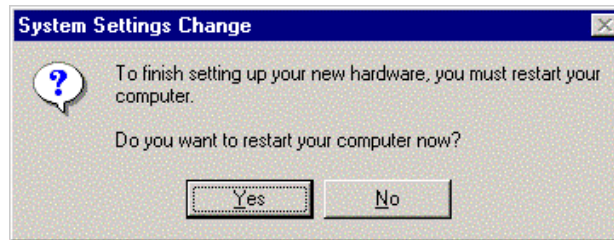
13. The Wizard then finds the IR520U driver on the floppy disk drive. To continue, click the **Next** button.



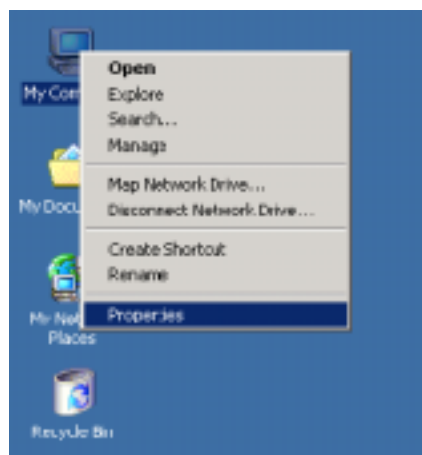
14. Click **Finish** on the Completing the Found New Hardware Wizard to complete the installation.



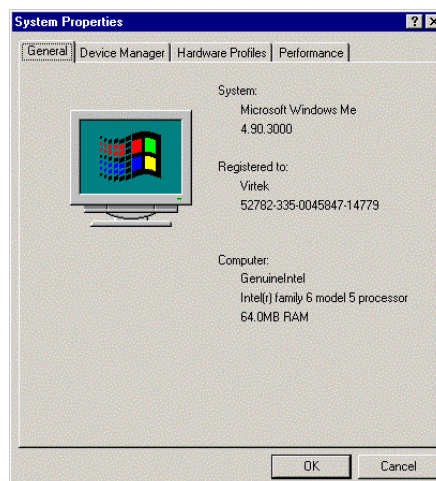
15. After clicking **Finish** on the Completing the Found New Hardware Wizard, system will ask user to restart the computer, always select **"NO"** then system will install the IrDA related files.



16. To verify proper installation, right-click the **My Computer** desktop icon and then select **Properties**.

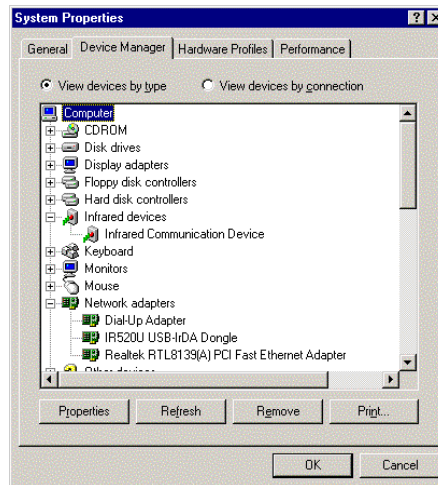


17. Click the Hardware tab on the System Properties box.





18. Click the **Device Manager** button. Select Network Adapters in the device list and double-click it, the IR520U USB-IrDA Dongle appears under Network Adapters.



The Windows Me USB-IrDA Dongle device driver is installed. You may now close all of the windows and dialog boxes that were opened during the installation process. This completes the installation of the Windows Me USB-IrDA Dongle device driver.

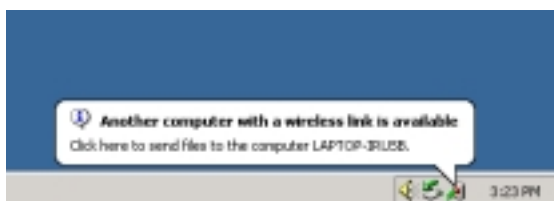
## 9 FILE TRANSFER OPERATIONS FOR WINDOWS MILLENNIUM

This section describes how to send and receive files using the USB-IrDA Dongle. You will need two computers in order to demonstrate the USB-IrDA Dongle. The first computer is the system with the previously installed USB-IrDA Dongle and the best choice for the second system is a notebook computer with a built-in IrDA port. The notebook should also have Windows Me installed.

### 1.1 Sending a File

1. Point the notebook computer's built-in infrared port towards the USB-IrDA Dongle attached to the desktop computer.

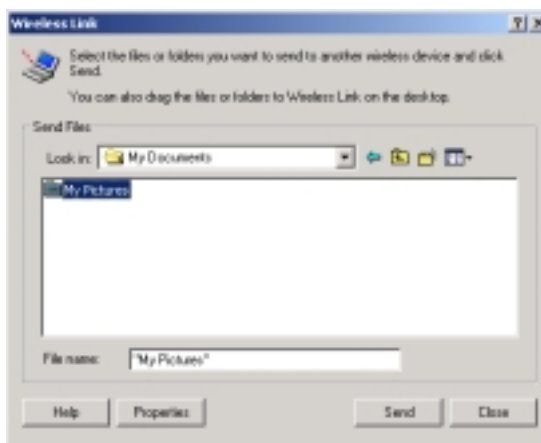
2. The two computer systems "discover" each other and connect. The **IR icon** appears in the system tray on the desktop system.



3. To send a file from the desktop computer, double-click the **IR icon** in the system tray of the desktop system.

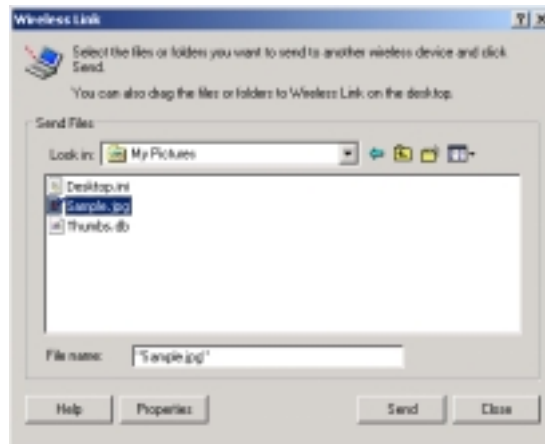
4. This brings up the Wireless Link dialog box.

From here, navigate to the files that you want to transfer. Select the files and click the **Send** button.

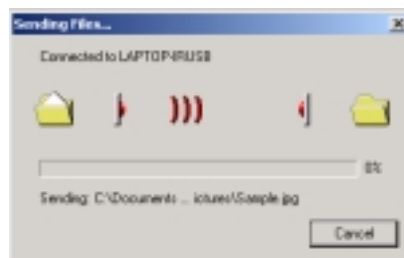




For example, double-click the **My Pictures** folder to open it. Then select the **Sample.jpg** file and click the **Send** button.



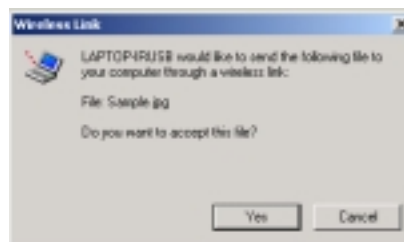
5. The file is sent to the other system.



6. The IR icon in the system tray also changes to show the file data transfer.



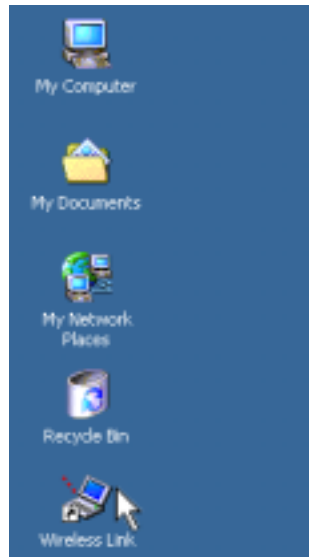
7. If the receiving computer is running Windows Me, the file is not sent until permission to receive the file is confirmed. The Wireless Link window is displayed on the receiving computer for confirmation. Click **Yes** to accept the transmission.



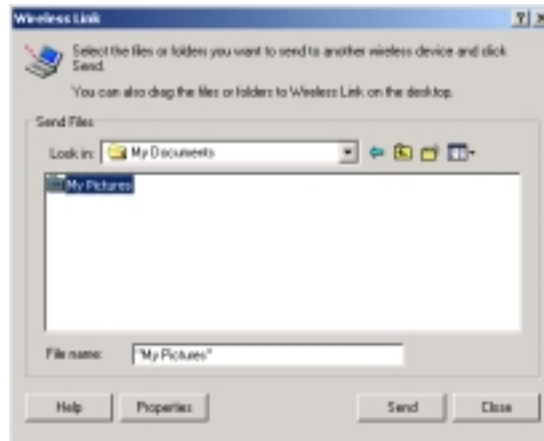
This completes the process of sending a file from the desktop system to the notebook.

## 1.2 Receiving a file

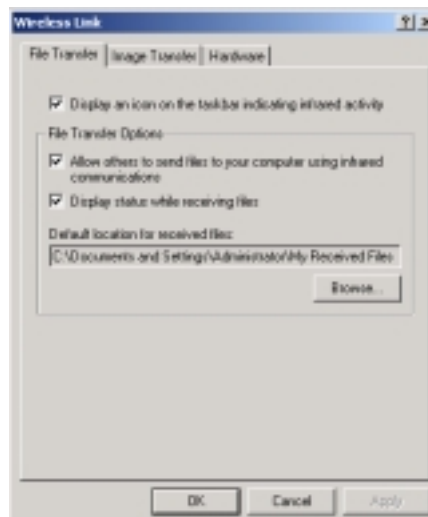
8. To receive a file from the notebook, the first step is to select a default folder on the desktop system for the files to go into. The original default folder is the Windows Desktop. To select a different default folder, double-click the **Wireless Link** icon on the desktop.



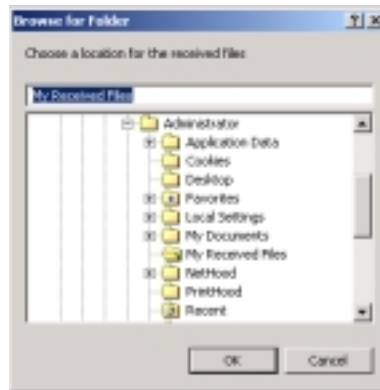
9. The Wireless Link window is displayed. Click the **Properties** button.



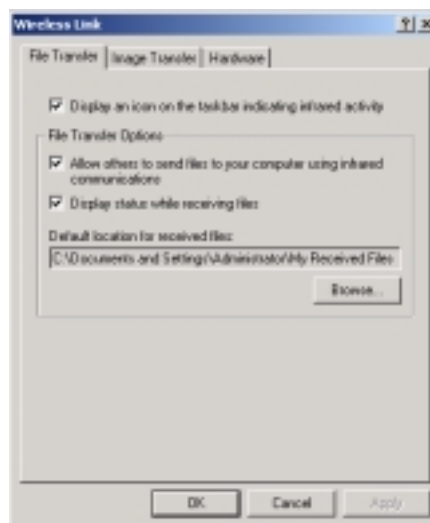
10. In the Wireless Link properties dialog box, click the **Browse** button.



11. Select a folder in the Browse for Folder dialog box. You may select a folder of your choice or the My Received Files folder as shown.
12. Click **OK** to save the new default folder.

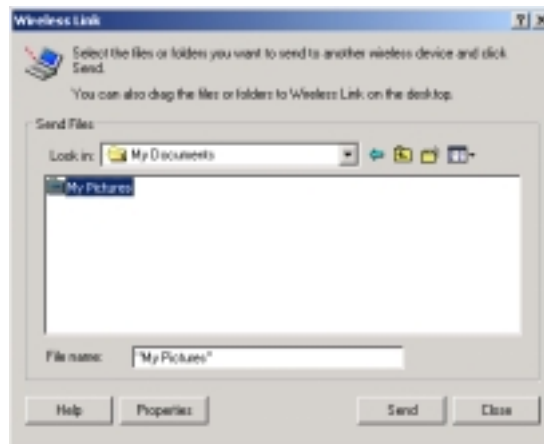


13. Click the **OK** button to accept the changes in the Wireless Link dialog box.

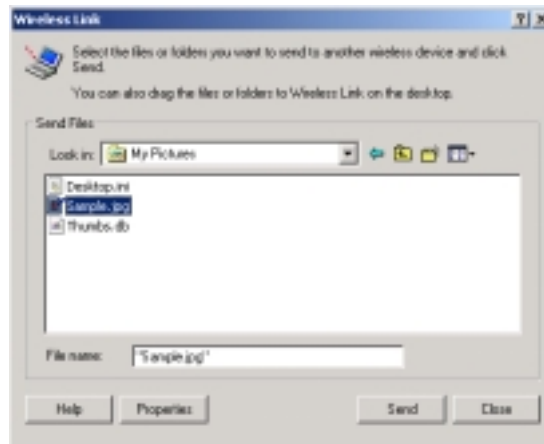


14. This brings up the Wireless Link window.

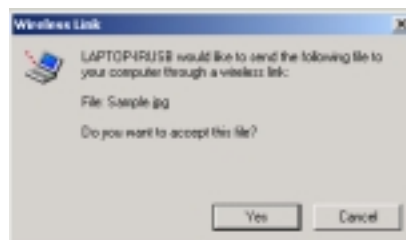
From here, navigate to the files that you want to transfer. Select the files and click the **Send** button.



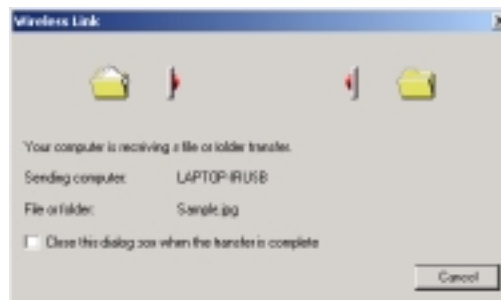
For example, double-click the **My Pictures** folder to open it. Then select the **Sample.jpg** file and click the **Send** button.



15. The file cannot be received until permission to receive the file is confirmed on the desktop computer. Click **Yes** to receive the file.



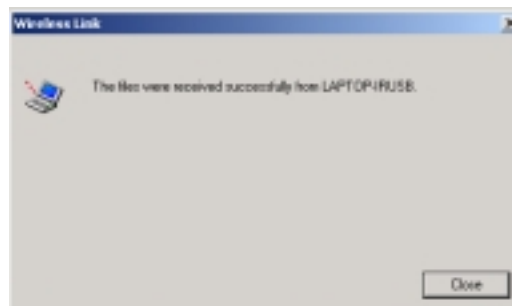
16. While the data is transferring, the Wireless Link dialog box will show the activity on the desktop computer.



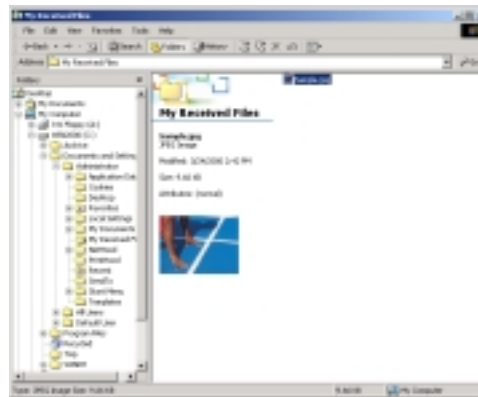
17. The IR icon in the system tray of the laptop also changes to show the file data transfer.



18. Once the file transfer has completed, the Wireless Link dialog box will change to show the successful transfer. Click on the **Close** button to complete the transfer.



19. The received file is saved in the default folder that was selected earlier. To view the received file, open Windows Explorer and select the default folder (The default folder used in the example is C:\Documents and Settings\Administrator\My Received Files.)



This completes the process of sending a file from the notebook to the desktop system.