

# Windows 95/98/Me/2000/XP IR setup for IR520F

## INTRODUCTION

Congratulations on purchasing the IR520F Infrared wireless adapter. This IrDA adapter enable you to built a wireless environment between your convenient mobile devices and your host computers.

## SETTING UP

### System Requirement

- 80486 or higher based IBM compatible personal computer system.
- Built in Infrared I/O controller or super I/O chip on the motherboard with Infrared connector available and documented in the user manual.
- Windows 95 or higher Operating System.

### 1. Hardware Setting

Before connects to the motherboard, please refer the motherboard owner manual or contact your computer system manufacturer to make sure IR pin assignments and support FIR (4M bps transfer rate) or not.

Please refer to the manual of motherboard or PC manufacturers for the IR header location of the motherboard. It could be shown in their section of IrDA-compliant wireless Infrared module.

The IR520F Infrared dongle use an 8-pin Miniature DIN (MiniDIN-8) plug to connect to the HOST external MiniDIN-8 receptacle. The HOST motherboard PC used a single row header connector to connect to the MiniDIN-8 receptacle as shown in figure 1-1. The general pin assignments for the header is shown in figures 1-2.

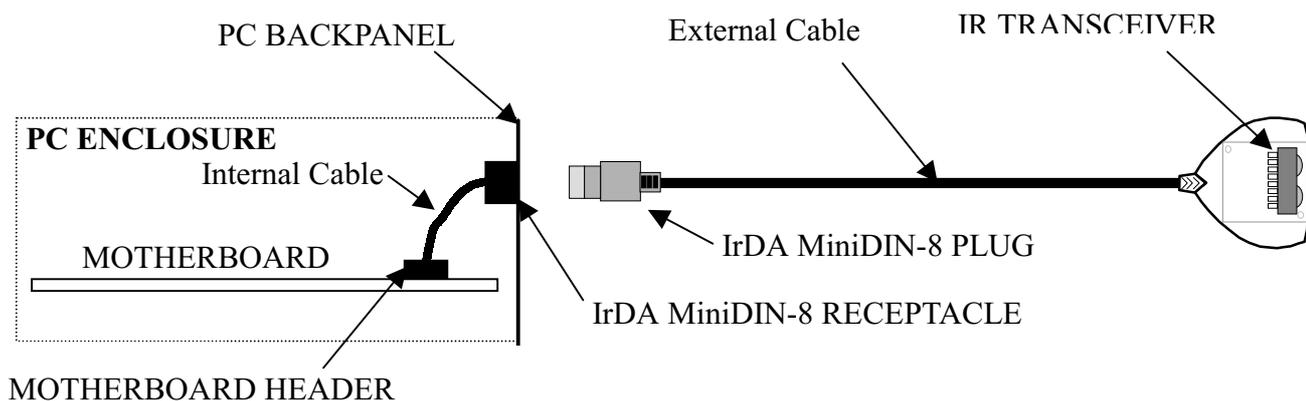


Figure 1-1. IR520F Infrared dongle connection in a typical desktop PC.

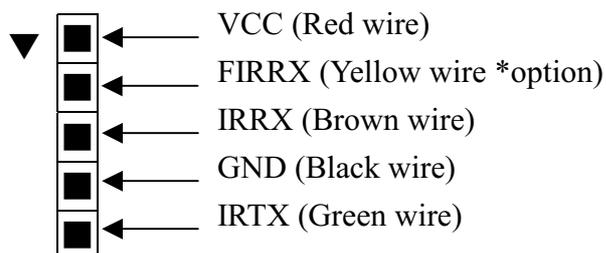


Figure 1-2. Header pin assignments and wire color

## 2. Software Setting

### ● BIOS Setup

You have to setup the on-board Infrared port in BIOS setup software. Please refer to the manual of the motherboard in accessing and setting up the system BIOS. In general, the on-board serial port 2 in the system BIOS should be set for Infrared function. e.g.

1. Select Integrated Peripherals? or Chipset features? in the BIOS setup.
2. On-board Serial Port = 2F8H / IRQ3 or AUTO
3. UART2 mode = HPSIR or SIR
4. IR Function Duplex = Half Rxd, Txd= Active Lo, Hi

- Download the free Windows 95 IrDA driver 2.0 software from Microsoft home page. This driver is for Serial Infrared (SIR).

### ***INSTALL WINDOWS 95 IrDA DRIVER 2.0***

1. Insert the driver diskette into floppy drive A or B.
2. In Windows 95, RUN A:/W95IR.EXE or B:\W95IR.EXE. Windows 95 will make a subdirectory named “MSIR20” and extract the files into this subdirectory.
3. RUN C:/MSIR20/SETUP.EXE.
4. Follow the prompts until you reach under “Manufacturers” Select “Standard Infrared Device” and then select “Built-in Infrared Port on Laptop or Desktop” under ”Models “ section.
5. Follow the screen prompts until it asks you to select a Communication Port. Choose COM2 or the communication port that is using the Infrared device.
6. Follow the screen prompts again until it asks you what default ports to use. Use the following settings: The IR Serial Port: COM4 and The IR Printer Port: LPT3
7. Click on “Finish”. The driver is installed successfully.

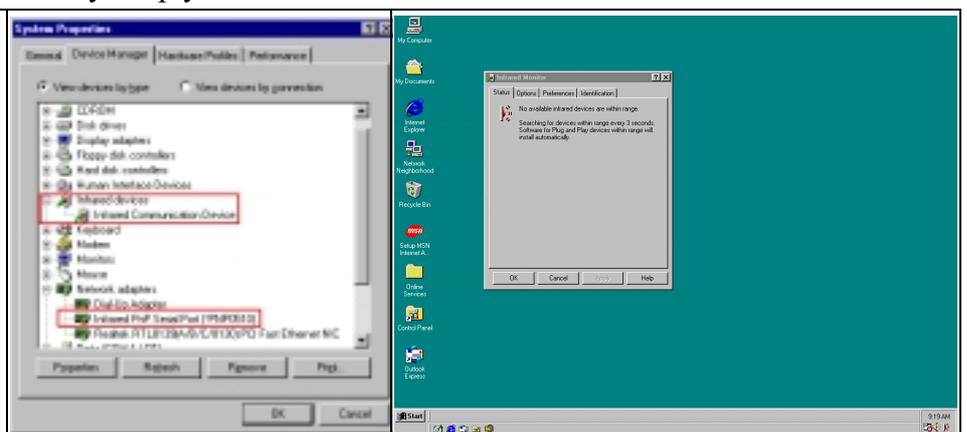
### ***INSTALL WINDOWS 98/ME/2000/XP IrDA DRIVER***

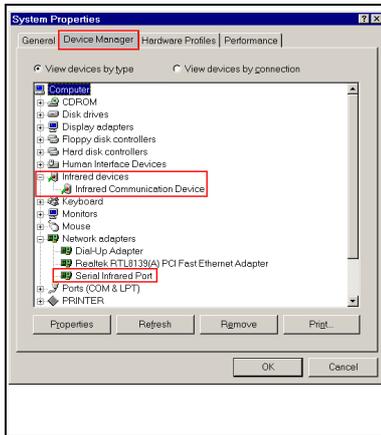
The Windows 98/Me/2000/XP supports the Plug and Play function, so when the BIOS setting up finished and the OS booting up ready the computer will install the IR driver automatically.

After the driver installed user may simply check as follow

#### **Windows 95/98**

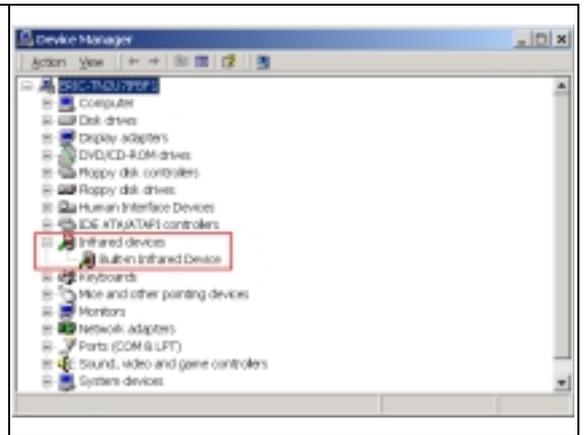
1. Check the “Device Manager”-“Infrared device” and “Network Adapter”
2. Check the “End of the Launch bar” with the “IR monitor” icon or not and click won’t show any error message.





← **Window Me**  
 Check the “Device Manager”-“Infrared device” and “Network adapter”

**Windows 2000 & XP**→  
 Check the “Device Manager”-“Infrared device”



## LINK TESTING

There are many ways to test the IR connectivity which are documented in the application software programs :

### ● Direct Cable Connection

Installation guide:

1. Go to ”Control Panel” and double click on “Add/Remove Programs”
2. Click “Windows Setup” tab.
3. Highlight “Communications” and then click on “details”
4. Check the “Dial-up Networking” and “Direct Cable Connection” boxes, then click ”OK”
5. Click on “OK” under “Windows Setup” and follow the instructions on screen.

Using “Direct Cable Connection” :

1. Click “Start” go to “Programs” then “Accessories” then select “Direct Cable Connection” to setup the connection.(For the Windows 98/Me/2000 /XP user need to select one more item, after the “Accessories” then select “Communication” then select “Direct Cable Connection”)
2. Click on “change” and choose whether or not the computer you are using is the “Host” or the ”Guest”. Click on “Next”
3. Set the serial cable to use COM4. Click “Finish” and “Close”
4. To share files or the whole disk drive, you should go to “Windows Explorer”. It is usually found under the “Programs” menu when you click “Start”
5. Click the mouse right button on any directory, files, or the whole disk drive that you may want to share with the other computer. From the menu choose ”Sharing...”
6. Under the “Sharing” index choose the “Shared As” option. It will usually use the name of the file as the “Share Name” by default. Or you can give it new file name.
7. You also have the choice to select “Full or Read-only access” Then click on “OK”
8. The shared files or drives will be represented by “a hand” holding the file or disk drive.

### ● IR wireless file transfer:

1. On the “Host” computer, go to “Direct Cable Connection” and then click “Listen”
2. On the “Guest” computer, go to “Direct Cable Connection” and click “Connection”