

This installation guide describes the generic setting-up operation of the infrared adapter. Additional information for special cases and windows versions can be found at [www.hama.de](http://www.hama.de) if there is demand.

## Installation under Windows XP Home Edition and Professional:

Please click ⇒ **Start** ⇒ **Control Panel** ⇒ **Printers and Other Hardware** (In the classic view double click Add Hardware and the Add Hardware Wizard starts) ⇒ **Add Hardware (below See Also)**.

The Add Hardware Wizard gets started. Continue with ⇒ **Next** ⇒ **Yes, I have already connected the hardware** ⇒ **Next**. Mark ⇒ **Add a new hardware device** (scroll to the end of the list) ⇒ **Next** ⇒ **Install the hardware that I manually select from a list** ⇒ **Next** ⇒ **Infrared devices** ⇒ **Next**.

At the left below manufacturer highlight **ACTiSYS** and at the right under Infrared Device **ACTiSYS IR-220L Serial Infrared Device** ⇒ **Next** ⇒ **Next**. Afterwards select the **serial port** which is connected to the adapter (It is recommended to link the adapter to COM port 2) ⇒ **Next** ⇒ **Finish**.

## Installation under Windows 2000 Professional:

Please insert the enclosed **CD-ROM**. If Windows automatically launches the CD, click on ⇒ **EXIT**.

Then click on ⇒ **Start** ⇒ **Settings** ⇒ **Control Panel** ⇒ **Add/Remove Hardware** (double click) ⇒ **Next**. Now mark **"Add/Troubleshoot a device"** and confirm with ⇒ **Next**.

After the search for Plug and Play hardware please mark **Add a new device** in the new window. Then click ⇒ **Next** and select **"No, I want to select the hardware from a list"** and apply with ⇒ **Next**.

In the new window select **Infrared devices**. Then click on ⇒ **Next**. Now highlight ⇒ **(Standard Infrared Port)** at the left under manufacturers and **Serial Cable using IrDA Protocol** at the right under infrared device and then click on ⇒ **Have Disk** ⇒ **Browse**. At **"Look in"** select your **CD-ROM drive**. Select the corresponding directory by double

clicking **Drivers** and afterwards **Win2000**.

Mark **"ir520sa"** and confirm with ⇒ **Open** ⇒ **OK**. The screen shows the infrared device **"IR520SA Serial Infrared Device"**. To continue click on ⇒ **Next** ⇒ **Next**.

Afterwards highlight the **serial port** which is connected to the adapter (it is recommended to link the adapter to COM port 2) ⇒ **Next** ⇒ **Finish**.

## Installation under Windows ME:

Please insert the enclosed **CD-ROM**. If Windows automatically launches the CD, click on ⇒ **EXIT**.

Click ⇒ **Start** ⇒ **Settings** ⇒ **Control Panel** ⇒ **Add New Hardware** (double click) ⇒ **Next** ⇒ **Next**. Now select **"No, I want to select the hardware from a list"** and confirm with ⇒ **Next**.

In the new window mark **Network adapters**. Then click ⇒ **Next**. Now highlight **(Infrared COM port or dongle)** at the left under manufacturers and **(Generic Infrared Serial Port or dongle)** at the right below models and click on ⇒ **Have Disk** ⇒ **Browse**. At **"Drives"** please select your **CD-ROM**. Then change to the corresponding driver directory by double clicking **Drivers** and afterwards **Winme**. Confirm with ⇒ **OK** ⇒ **OK**. The screen shows the model **"IR520SA Serial Infrared Device"**. To continue click on ⇒ **OK** ⇒ **Finish**.

**Important:** Answer the following question about the restart with ⇒ **No**. In the window **Control Panel** double click **Network**. Mark **"IR520SA Serial Infrared Device"** and then click on ⇒ **Properties** ⇒ **Advanced**. Highlight ⇒ **Serial Port**. At **"Value"** choose the **COM port** which is connected to the adapter ⇒ **OK** ⇒ **OK**.

Answer the question about the restart with ⇒ **Yes**.

### Installation under Windows 98 (also SE):

Please insert the enclosed **CD-ROM**. If Windows automatically launches the CD, click on ⇒ **EXIT**.

Then click on ⇒ **Start** ⇒ **Settings** ⇒ **Control Panel** ⇒ **Add New Hardware** (double click) ⇒ **Next** ⇒ **Next**. Now select "**No, I want to select the hardware from a list**" and confirm with ⇒ **Next**. In the new window mark **Infrared devices**. Then click on ⇒ **Next** ⇒ **Next**. Now highlight (**Infrared COM port or dongle**) at the left under manufacturers and (**Generic Infrared Serial Port or dongle**) at the right below infrared devices and then click ⇒ **Have Disk** ⇒ **Browse**. At "**Drives**" select your **CD-ROM**. Now select the corresponding driver directory by double clicking **Drivers** and afterwards **Win98** and apply with ⇒ **OK** ⇒ **OK**. The screen shows the model "IR520SA Infrared Serial Port". Click on ⇒ **OK** to continue. Insert the **Windows 98 CD-ROM** if needed and then click on "**Ok**" (Possibly you must then enter another drive letter for your CD-ROM drive).

Select "**IR520SA**" and confirm with ⇒ **Next**. Afterwards highlight the **COM port** which is connected to the adapter (it is recommended to link the adapter to COM port 2) ⇒ **Next**. Now Windows creates a simulated virtual Infrared COM port and a Infrared LPT port. To accept these ports (recommended), mark "**Use default ports**". To modify, click on "Change ports" ⇒ **Next** ⇒ **Finish**.

Afterwards please check the system tray at the down right for the **infrared icon**. Open the **Infrared Monitor** with a **double click**. Then click on "**Options**" and mark "**Enable infrared communication**". Afterwards acknowledge via "**Apply**" and then "**OK**".

In My Computer you can find the program "Infrared Recipient". Here you can send and receive files by a PC direct connection.

### Installation under Windows 95B:

Insert the enclosed **CD-ROM** into your CD-ROM drive. If Windows launches the CD automatically, click on "**IrWave 520SA Driver**", then **double click Win95** and **Setup**. Otherwise click on ⇒ **Start** ⇒ **Run** ⇒ **Browse**. Now select your **CD-ROM drive** and navigate to the corresponding directory by **double clicking** the folders **Drivers** and **Win95**. Then click ⇒ **Setup** ⇒ **Open** ⇒ **OK**.

The screen shows a new window "Add Infrared Device Wizard" ⇒ **Next**. At manufacturers highlight "**IR520SA**" and at models "**IR520SA Infrared Wireless Interface**" ⇒ **Next**.

Afterwards select the **COM port** which is connected to the adapter (it is recommended to link the adapter to COM port 2) ⇒ **Next**.

Now Windows creates a simulated virtual Infrared COM port and a Infrared LPT port. To accept these ports (recommended), mark "**Use default ports**". To modify, click on "Change ports" ⇒ **Next**.

Afterwards Windows installs the infrared drivers. Then click on ⇒ **Finish**.

To start the infrared monitor double click the infrared icon in the control panel.

### Operation instructions

If there is no or a faulty data transmission, this can be possibly caused by the data transfer rate. You have to consider this especially for the communication with printers. If problems arise, it is recommended to limit the transmission rate to max. 57.6 kbps or 19.2 kbps.

Windows 95/98 allows to change this setting in the infrared monitor at the section options.

In Windows ME please open the control panel and double click network, then highlight "IR520SA Serial Infrared Device" and click Properties/Advanced. Then mark Maximum Connect Rate and adjust the transmission rate at value.

In Windows 2000 open the control panel and then double click ⇒ System and then click ⇒ Hardware ⇒ Device Manager. In the section Infrared devices highlight "IR520SA Serial Infrared Device" and press the right mouse button and then click on ⇒ Properties ⇒ IrDA Settings. You can select the maximum connection rate here.

In Windows XP please open the control panel and then click on Printers and Other Hardware and then on System under See Also (In the classic view double click system). In the window system properties continue with ⇒ Hardware ⇒ Device Manager. In the section Infrared devices highlight "ACTiSYS IR-220L Serial Infrared Device" and then press the right mouse button and click on ⇒ Properties ⇒ IrDA Settings. You can adjust the maximum connection rate here.