

Hardware installation

Before you connect the adapter, please turn off your computer and unplug it from the power supply system. Then open the housing. Link the adapter to the IrDA connector of your mainboard. Mostly it is labeled "IR", "Infrared port" or "IrDA". It is essential to wire absolutely correct. Otherwise the infrared adapter does not work properly and maybe it cause damage. You can check the pin assignment of your motherboard in its users guide. If this information is missing, please contact your dealer or manufacturer of the mainboard. For computers which don't support Fast IrDA (FIR), but SIR, the brown conductor has to be connected to IRRX.

Some Fast IrDA capable mainboards offer input connectors for FIRRX and IRRX. In this case link the yellow and brown conductors accordingly. Fast IrDA compliant motherboards with only one RX input need to be connected with the yellow conductor for FIR operation. For SIR operation you have to link the brown one.

Assignment of the conductors:

Yellow: FIRRX (FIR Input)

Brown: IRRX (IR Input)

Green: IRTX (IR Data Output)

Black: GND (Ground)

Red: VCC (POWER)

Blue: NC (Not connected)

Afterwards you have to switch the COM port 2 (resp. serial port 2) to IrDA operation. The corresponding BIOS section is e.g. "Integrated Peripherals" or "Chipset Features". If this setting is missing in your BIOS, you can possibly add this function via a BIOS update. Please refer to the mainboard's manual for further information.

Driver installation in Windows ME/2000/XP:

The infrared interface gets installed automatically. Answer the possible question about a restart with **"Yes"**.

Driver installation in Windows 98/98SE:

While booting there appears a message **"New Hardware Found"**. Thereby the IrDA interface is identified as "Unknown device". Shortly after the exact identifier **"Infrared PnP Serial Port (*PNP0510)"** and the notice that windows is installing the software for your new hardware is

displayed. Insert the **Windows 98-CD-ROM** if requested and then click on "OK". (Possibly you have to enter the drive letter for your CD-ROM drive afterwards). Then windows is installing an **Infrared COM port** and an **Infrared LPT port**. Answer the following question about the restart with **"Yes"**. After the reboot 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"**.

Driver installation in Windows 95

This operating system supports SIR operation. To use FIR there are newer windows versions necessary. To set up the adapter in SIR mode there is a update available. You can download it at www.hama.de.

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 click Serial Infrared Port/Properties/Advanced.

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