Quick Reference IrDA Adapter Pro, internal   hama®

Hardware installation

Please switch off your PC and seperate it from the power supply system before you install it. Then open the housing. Connect the adapter with the IrDA connection of your PC Board. This is most times marked with "IR", "Infrared port" or "IrDA". Please take care that a correct connection is assured in any case. Otherwise the infrared adapter does not work properly and damages could be caused. You can have a look in the manual of your motherboard manufacturer regarding the specification of the PCB connection. If this information is missing, please contact your trader or manufacturer of the mainboard.

Wiring of the IrDA adapter:

Pin 1 (red): IRTX (IR Data Output)
Pin 2 (green): GND (Ground)
Pin 3 (blue): IRRX (IR Data Input)
Pin 4 (yellow): Not connected (Signal)
Pin 5 (orange): VCC (POWER)

Afterwards please switch the COM Port 2 (resp. Serial Port 2) in the BIOS menu item "Integrated Peripherals" or "Chipset Features" to IrDA. If your BIOS does not offer this possibility, a BIOS update could possibly help you. Please get detailed information from your motherboard manual.

Software installation under Windows ME:

When booting the system the screen shows **"New Hardware Found"**. In the first instance the IrDA interface is identified as "Unknown Device" and shortly after as **"Serial Infrared Port"** and the notice that Windows is installing the drivers is displayed.
Answer the following question about the restart with **"Yes"**.

Software installation under Windows 98:

When booting the system the screen shows **"New Hardware Found"**. In the first instance the IrDA interface is identified as "Unknown Device" and shortly after as **"Infrared PnP Serial Port(*PNP0510)"** and the notice that Windows is installing the drivers is displayed. 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). Afterwards Windows creates a simulated virtual

infrared serial (COM) port and a simulated virtual **infrared printer (LPT) port**. Answer the following question about the restart with **"Yes"**.
In the taskbar down on the right you can find the **infrared sign**. Click on it with the **right mouse button**, then with the left mouse button on **"Enable infrared communication"**.
Attention: If an error message (error 45) appears, click on "OK" and restart your system. Then the error message does no longer appear.

Operating instruction Windows 98/ME

In Windows 98 at My Computer you can find the program point "Infrared Recipient". Here you can send and receive data by a PC direct connection. In Windows ME just click on the infrared icon in the taskbar if a suitable device is within range.

Installation under Windows 95:

To install the infrared support please insert the enclosed **disk** and click on ⇒ **Start** ⇒ **Run**. Now type in **"A:\Setup"** and then click on ⇒ **OK**. Follow the advices on the screen.
In order to start the program double-click in the **control panel** on the **infrared icon**. For opening the **infrared monitor** click in the taskbar down on the right on the **infrared icon**.

Hints for Windows 95/98/ME

If there is no or a faulty data transmission, this can possibly be caused by the data transfer rate.
Windows 95/98 allows to adjust the maximum transmission rate in the options index. In Windows ME you can set it at Control Panel/ Network/Serial Infrared Port/Properties/ Advanced. 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. You can find further advice in the Windows 98/ME help menu under "Infrared".

Virtual Ports under Windows 95/98

For infrared data communication with other units via a connection port you have to set the simulated virtual port, that means to assign the infrared COM connection or the parallel infrared connection (LPT) as port.