

IFSYS-8003A FIR USB ADAPTER

FAQ2: How can I tell if the IFSYS-8003 adapter is installed and working properly

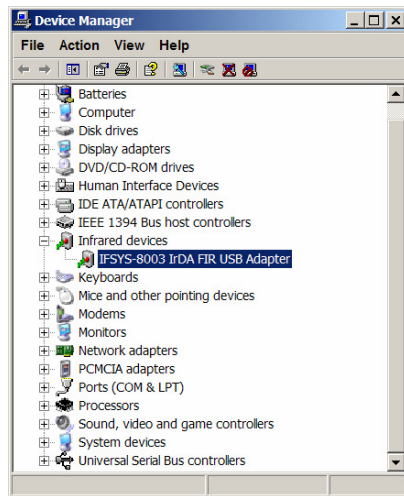
This is how it usually works:

- When Windows detects that the IFSYS-8003 adapter has been plugged into the USB port, Windows loads the driver for the adapter automatically,
- The Cozmo Manager application looks for this driver and attempts to communicate with it.
- If it is unable to establish a connection with the driver, you would see the message you indicated.

We need to find out if the driver has been installed correctly. There are several indicators that would indicate if the adapter driver has been installed:

To find out if the adapter is working:

- plug in the adapter.
- If the LED atop the adapter blinks rapidly several times, with an interval of about 3 seconds in between, this would indicate that the driver has been correctly loaded
- Another way is:
 - Right click on My Computer icon and select Properties
 - When the dialog box opens up, click on the Hardware tab.
 - In the Hardware tab, click on the Device Manager button
 - You should see an entry “Infrared Devices”
 - Click on the + sign to expand the reveal the entries under Infrared Devices
 - You should see something that looks like the window below:



- **Stage 1:** Seeing the LED blink, and the infrared devices above provides the confidence that:
 - the driver has been loaded, and is attempting to discover IrDA devices in the proximity
 - the IFSYS-8003 adapter hardware is working to some extent. (*This does not, however, guarantee that the optical transceiver in the adapter is not defective. For this refer to the next section*).

To find out if the IFSYS-8003 adapter can communicate with another IrDA device:

- place a known compatible IrDA device with its IR window facing the IFSYS-8003 adapter window. If the other device is detected, an icon will show up on the system tray, as indicated below (icon is on the extreme left):

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- Depending on the flavour of Windows you use, it may also optionally display an indication, in tip box, that an IrDA device has been detected.
- **Stage 2:** If you get to this stage, you would have verified that:
 - the driver has been loaded, and is attempting to discover IrDA devices in the proximity
 - the IFSYS-8003 adapter hardware is working, AND that it is able to perform basic communicate with a remote device.
 - At this stage, you should have confidence that the IFSYS-8003 and Windows infrared application is functional.

Now you can try discovering a remote device... the Cosmos Manager