



INSTALLATION NOTE

SigmaTel USB-IR Driver V1.21

Document Revision 1.21

Introduction

This document discusses the installation and settings for SigmaTel's USB-IR Driver V1.21.

The following procedures are discussed in this Installation Note:

- To Open Windows Device Manager
- To Remove Your Old Driver Files
- To Select Transceiver Type
- To Find Out What Version of the Driver is Installed
- Other Notes

Important

SigmaTel's USB-IR Driver Version 1.21 will default to the Infineon settings – if you are using the STIR4012 you will have to manually change the transceiver type settings (see directions below).

When updating your driver to 1.21 from a previous version, you must delete your old drivers from the system (see directions below). Future versions of the driver will automatically delete the old drivers when installing new drivers. If the previous driver is not deleted, the system could have two .INF files for the USB-IR dongle – this will result in unpredictable behavior.

Revision History

Version	Description of Changes	Date
1.00	Original Release – Supports Driver V1.19	4/18/01
1.21	Supports Driver V1.21	5/07/01

To Open Windows Device Manager

Windows 2000

1. Right click on "My Computer"
2. Select "Properties"
3. Click on the "Hardware" tab
4. Click on "Device Manager"

Windows 98 / Windows ME

1. Right click on "My Computer"
2. Select "Properties"
3. Click on the "Device Manager" tab

To Remove Your Old Driver Files

NOTE: Plug the dongle into the USB jack on the system before performing these steps.

Windows 2000

1. Delete C:\WINNT\SYSTEM32\DRIVERS\STIRUSB.SYS
2. Go to C:\WINNT\INF (note this directory is hidden – you must enable "View Hidden files)
3. Find and open (using a text editor) each of the OEM?.INF files until you find the one which has "Stirusb.inf" on the first line inside (where "?" is a number)
4. Delete the OEM?.INF and OEM?.PNF files belonging to SigmaTel
5. Go to DEVICE MANAGER, right click on "SigmaTel USB-IR Dongle" and select "Uninstall"

Windows 98

1. Delete C:\WINDOWS\SYSTEM\STIRUSB.SYS
2. Delete C:\WINDOWS\INF\OTHER\SigmaTel, Inc.STIRUSB.INF
3. Go to DEVICE MANAGER and double click on "Network Adapters"
4. Right click on "SigmaTel USB-IR Dongle" and select "Remove"
5. When prompted to restart, click "Yes"

Windows ME

1. Delete C:\WINDOWS\SYSTEM\STIRUSB.SYS
2. Delete C:\WINDOWS\INF\OTHER\SigmaTel, Inc.STIRUSB.INF
3. Go to DEVICE MANAGER and double click on "Network Adapters"
4. Right click on "SigmaTel USB-IR Dongle" and select "Remove"
5. When prompted to restart, click "Yes"
6. You should be prompted for new drivers when the system restarts.
7. When you've finish installing the new drivers and are prompted to restart, click "Yes"

To Select Transceiver Type

NOTE: Be careful when changing the transceiver type. A USB-IR dongle with a STIR4012 will not function well if the "Infineon" settings are selected, and a USB-IR dongle with an Infineon 6400 transceiver will not function well if the "STIR4012" settings are selected.

Windows 2000

1. Go DEVICE MANAGER (see instructions above)
2. Double click on "Infrared Devices"
1. Right click on "SigmaTel USB-IrDA Dongle" and select "Properties"
3. Click on the "Advanced" tab

4. Select "Infrared Transceiver Type"
5. Select your transceiver type in the pull-down box on the right

Windows 98 / Windows ME

2. Right click on "Network Neighborhood" and select "Properties"
3. Select "SigmaTel USB-IrDA Dongle"
4. Click on "Properties"
5. Click on the "Advanced" tab
6. Select "Infrared Transceiver Type"
7. Select your transceiver type in the pull-down box on the right

To Find Out What Version of the Driver is Installed

Windows 2000

1. Go to DEVICE MANAGER (see instructions above)
2. Double click on "Infrared Devices"
3. Right click on "SigmaTel USB-IrDA Dongle" and select "Properties"
4. Click on the "Driver" tab to find out the Driver Version

Windows 98 / Windows ME

1. Go to DEVICE MANAGER (see instructions above)
2. Double click on "Network Adapters"
3. Right click on "SigmaTel USB-IrDA Dongle" and select "Properties"
4. Click on the "Driver" tab
5. Click on "Driver File Details"
6. Select "C:\WINDOWS\SYSTEM\STIRUSB.SYS" to find out the Driver Version

Other Notes

Windows ME

- Due to a bug in Windows ME, the Virtual COM and LPT ports are not loaded correctly when installing the USB-IR driver. To get the Virtual ports to load properly, do the following:
 1. After installing the driver, you will be asked if you want to restart your system
 2. Select "No"
 3. After the Virtual ports install, go to the "Start" menu and select "Restart"

Windows 98

- Plugging and unplugging the USB dongle under Windows 98 may cause system instability and failures. The best way to remove the dongle from the PC is to disable IR in the Infrared Monitor, remove the dongle, plug the dongle back in and then re-enable Infrared Monitor. This is not an issue with Windows 2000 or Windows ME.