Smart Link Modem Setting and V.92 Feature Setting Utilities
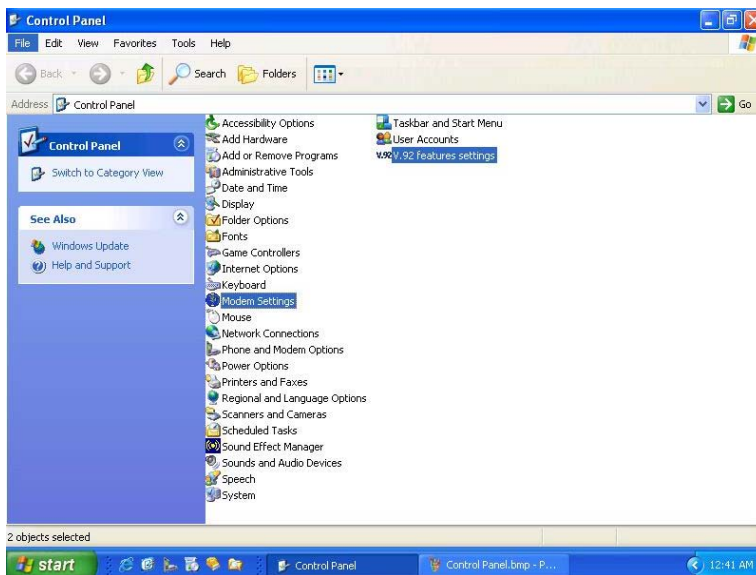July 17, 2003

Introduction

Smart Link modem drivers install two control applets located in the Microsoft Windows control panel as follows:
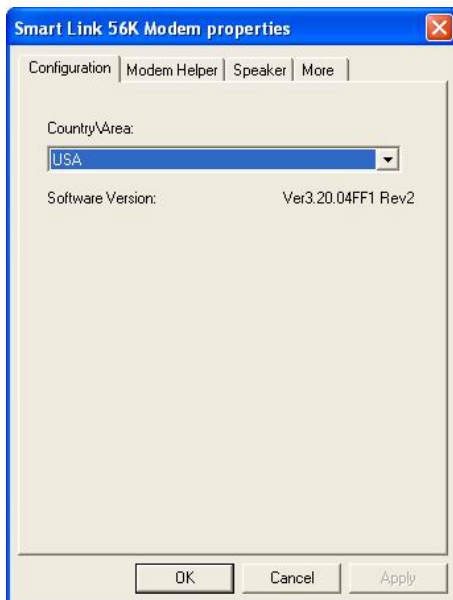
- Modem Settings – provides access to the Modem Helper™, Modem country Setting and other information about the modem
- V.92 Features Setting – provides control over V.92 options and settings such as Quick Connect and Modem on Hold

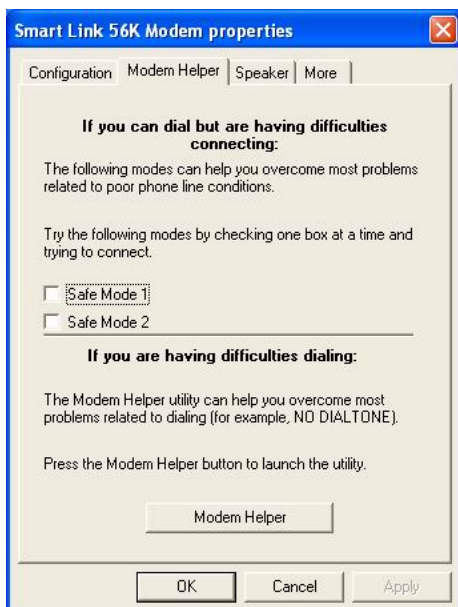These are shown in the screen shot below:

Modem Settings
When you double click on the Modem Settings icon you will see the first tab, *configuration*

Here you can see/change the modem country setting and see the modem software (driver) version. You can also access the other tabs: *Modem Helper, Speaker, More*.

If you click on the Modem Helper tab you will see the Modem Helper Launcher screen as follows:

This screen guides user's in debugging simple modem problems. If these guidelines to not help, then the user can enter the Modem Helper Application from the Modem Helper button above.
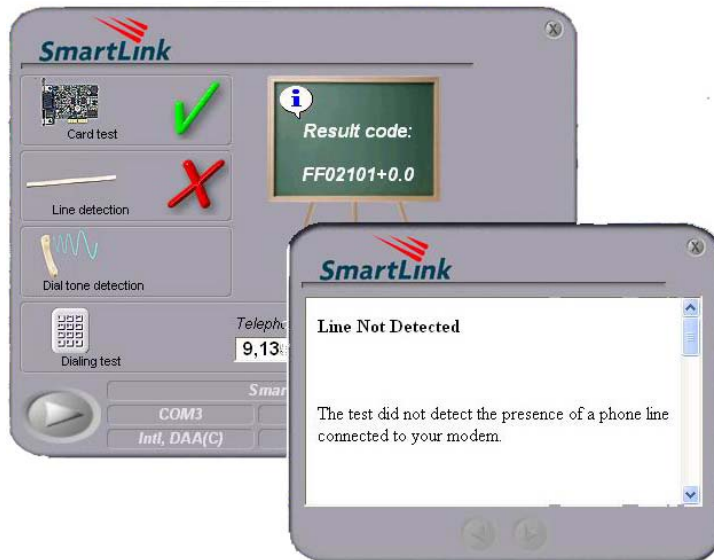
The Modem Helper Application screen is displayed below. From this screen you can enter a telephone number of the ISP and start the Modem Helper self test which will test the hardware, phone line and ISP. You start the test by clicking on the arrow in the lower left hand corner of the screen.
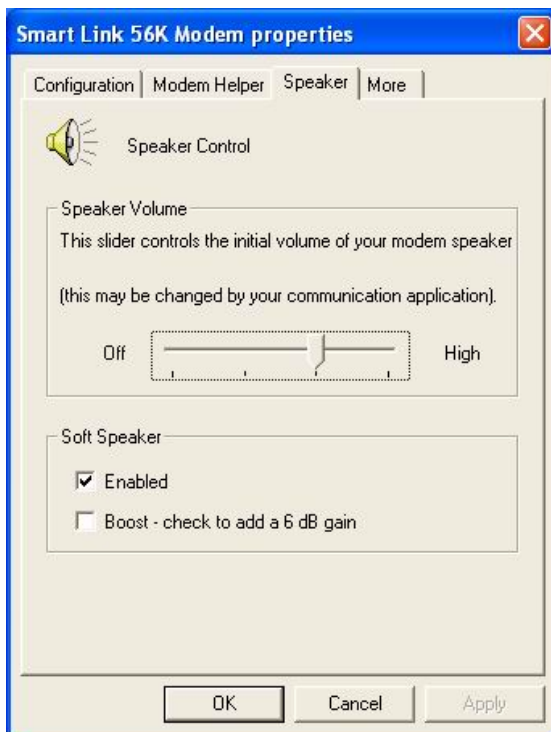

Below, is an example of a successful run of the Modem Helper Application where no problems were found.

Below is an example of the Modem Helper Application determining a problem and suggesting a possible solution.

The Speaker tab shown below provides control over the call progress speaker volume as well the ability to enable/disable soft speaker. If your system supports it, you can also add 6dB of gain (amplification) to the soft speaker in order to make it louder.

The More tab shown below provides more information about your modem hardware.

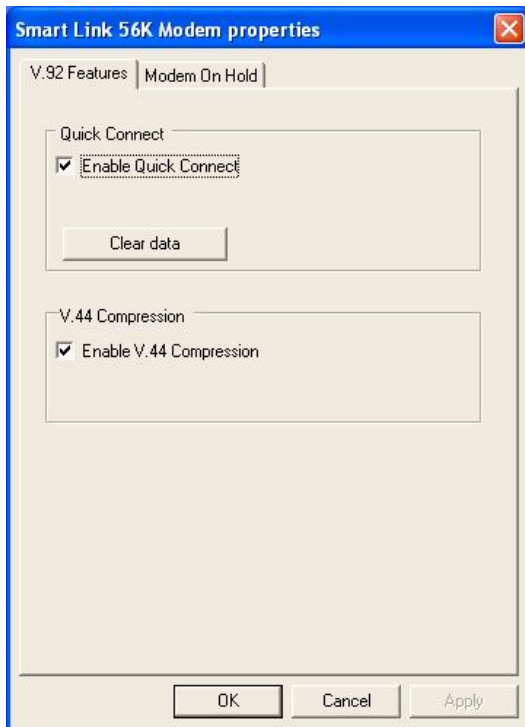Smart Link 56K Modem properties

Configuration | Modem Helper | Speaker | More

Audio/Modem Riser

Chipset	VIA
Audio Codec	ALG-20
Modem Codec	SML-62(Sec)
Details	Intl, DAA(C)

[OK]   [Cancel]   [Apply]

V.92 Features Setting

The V.92 Feature Setting application provides control over various V.92 features. When launched you will see the V.92 Feature tab as shown below.

> *Note: In order for the Quick Connect and V.44 features to work, your ISP must support the V.92 protocol. In order for the Modem on Hold features to work, your ISP must support the V.92 protocol and your phone line must be provisioned with "call waiting". If your phone line is also provisioned with "caller ID on call waiting", then the modem can identify the caller ID information of the incoming call while connected to the V.92 ISP.*
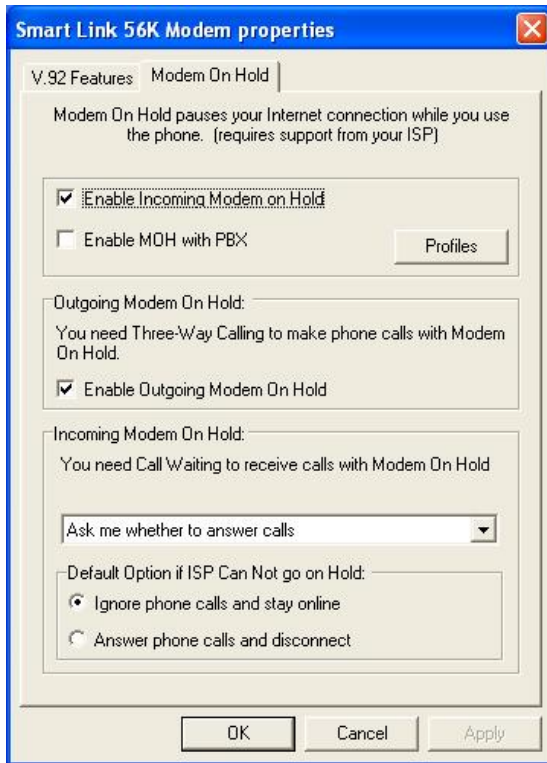
This tab provides the ability to enable/disable Quick Connect as well as to clear the Quick Connect memory. When you click on the Clear Data button the next V.92 connection will be forced a non Quick Connect connection. All V.92 connection attempts after that will be Quick Connect connections.

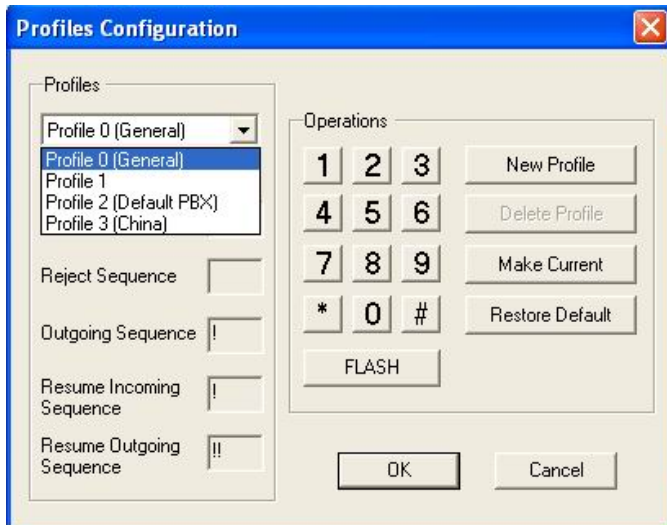This tab also provides the ability to enable/disable V.44 Compression.

The Modem On Hold tab is show below. It provides full control over all of the Modem On Hold options.

In the first section you can enable/disable Modem on Hold. You can also enable Modem on Hold with PBX if you are connecting to a V.92 ISP through a PBX.
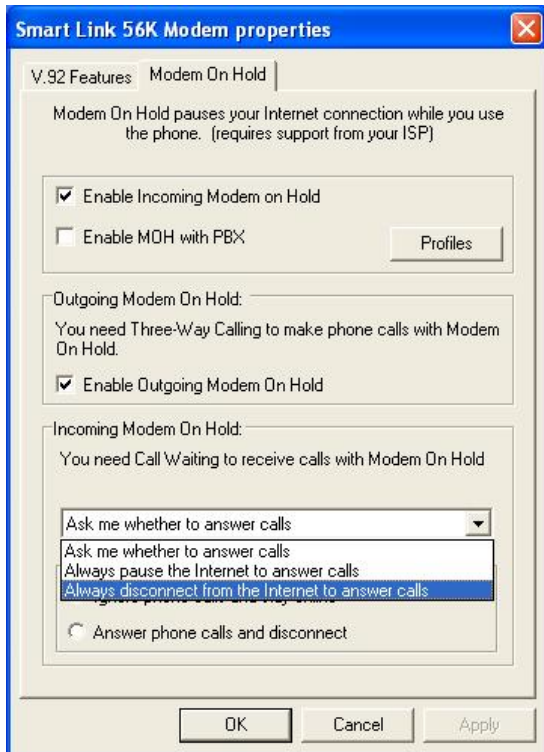
Pressing the Profile button brings up the Modem on Hold Profile Configuration dialogue box shown below. In this dialogue box you can create and edit profiles for the modem to handle call waiting on your phone line during a V.92 session. For example, Profile 0 (General) is configured for the United States call waiting mechanism. In the United States, you press the flash button or the hook flash to switch to the call waiting call. This is denoted with the exclamation mark (!) as shown below. In France you press flash and the '2' digit to switch the call and flash and the '1' digit to switch back (resume). The keypad assists in defining the call waiting mechanism for your particular phone line.

In the next section of the Modem on Hold tab you can enable/disable the Outgoing Modem on Hold feature.

Note: In order to use the Outgoing on Hold feature your ISP must support V.92 and your phone line must support 3 way calling. Outgoing Modem on Hold is accessed through the SLLights utility in the Windows System Tray.

The last section of the Modem on Hold tab show below controls how incoming Modem on Hold will be managed under various circumstances.

The list box provides 3 options of what to do on an incoming Modem on Hold call. The options are described below:

- "Ask me whether to answer calls" – this will present the user with a dialogue box when an incoming call is detected. The user can 'accept' the call or 'reject' the call.
- "Always pause the internet to answer calls" – an incoming call will be answered and the ISP will be paused. The maximum amount of time the Internet can be paused depends on the individual ISP.
- "Always disconnect from the internet to answer calls" – an incoming call will be answered and the ISP session will be terminated.

The other options in this section control what should be done on a incoming call if the V.92 ISP does not support Modem on Hold. There are 2 options:

- "Ignore phone calls and stay on line" – the call will be ignores and the modem will attempt to remain connected to the ISP.
- "Answer phone calls and disconnect" – The internet session will be terminated and the call can be answered.