

56K Modem Card

CompactFlash modem card and software for adding connectivity to the following mobile computers:

- *Pocket PC 2000/2002/2003*
- *Handheld PC, Handheld PC Pro and HPC 2000*
- *Casio BE-300 Cassiopeia Pocket Manager*
- *Windows 950B/98/Me/2000/XP notebook*

User's Guide



socket[™]
The Mobile Connection

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Chapter 1 Introduction

Overview

Thank you for purchasing the Socket 56K Modem Card.

The Socket 56K Modem Card allows you to transform your mobile computer into a portable data communications tool. Now you can check email, fax, and browse the web wherever there is an available analog telephone line.

You can use the 56K Modem Card with these mobile computers:

- Pocket PC 2000/2002/2003
- Handheld PC, Handheld PC Pro and Handheld PC 2000 (based on Windows CE v2.11 or v3.0)
- Casio BE-300 Cassiopeia Pocket Manager
- Windows 95/98/Me/2000/XP notebook with a 3.3V Cardbus slot*



The Socket 56K Modem comes with WhereAreYou? software for Windows CE. This optional software makes it easy to monitor the modem's connection activities and connection time. Plus, you can program the modem card to work in whatever country you choose, so you can stay connected wherever you go.

The Socket 56K Modem Card works with any Windows 95/98/Me/2000/XP notebook computer with a 3.3V CardBus slot. This means you can use the card with virtually any notebook computer built in the last several years. For notebook computers, no software installation is necessary.

This *User's Guide* describes how to set up and use the 56K Modem Card. For advanced users, it also contains tips on setting up a connection to a RAS server.

For information on using the 56K Modem Card with a Sharp Zaurus handheld computer, visit: www.socketcom.com/ZaurusSharp.asp

For software updates, visit: www.socketcom.com/support/support_56k.asp
Register the product online at www.socketcom.com/prodreg

* Windows 95 v4.00.950B; Windows 98; Windows 98 Second Edition

Package Contents

The Socket 56K Modem Card package includes the following items:

- Socket 56K Modem Card
- *Socket 56K Modem Installation CD*
- Software installation guide with warranty and copyright information

Hardware Features



Link Status LED

Indicates that the modem card is either dialing or connected to a network.

Power Status LED

Indicates that the modem card is using power.

Data Status LED

Indicates data transmission via the modem card.

Chapter 2 Setup for Windows CE

This chapter explains how to install and use the 56K Modem Card with a Pocket PC 2000/2002/2003, Handheld PC, Handheld PC Pro or Handheld PC 2000.

Installation Steps Summary

- STEP 1: Register your card.
- STEP 2: Prepare dial-up information.
- STEP 3: If desired, install the software.
- STEP 4: Insert the card.
- STEP 5: Set up the dial-up connection.
- STEP 6: Connect to a telephone line.
- STEP 7: *Dial and connect!*

OPTIONAL: Set up the card for your country.
OPTIONAL: Check connection time.



STEP 1: Register Your Card

Socket highly recommends that all users register their product. Registered users receive priority for technical support. You can register your 56K Modem Card online at: www.socketcom.com/prodreg

STEP 2: Prepare Dial-up Information

Find out the following dial-up information. If needed, contact your network administrator or ISP. You need this information to set up a connection.

Dial-up number: (_____) _____

User name: _____

Password: _____

Note: For most users, only the information above is necessary. If you are an advanced user and want to perform a more detailed setup, then complete the Network Information Form in Appendix B.

STEP 3: Install the Software

Should I install Socket's *WhereAreYou?* software?

You have two options for software installation:

Option 1: Skip software installation.

Windows CE-based mobile computers come with a generic built-in modem driver. For basic operation of the modem card, you can use the built-in driver and skip software installation. If you plan to use your device's built-in drivers, then proceed to Step 4 to insert the modem card into your device.

Option 2: Install Socket's enhanced software.

You can use the modem card with Socket's *WhereAreYou?* software, which is enhanced with the features listed below. If you do not need these features, skip software installation.

- A task tray icon that makes it easy to check if you have a good connection
- An applet that reports your connection time
- An applet that lets you program the modem card to work in any country

Software Installation

If you have not installed the software yet, follow the steps below. Make sure to install the software **BEFORE** inserting the modem card.

1. Make an active connection between the mobile computer and a host PC.



An active connection exists if data can move between the host PC and mobile computer via a serial/USB/Ethernet connection cable or cradle.

2. Insert the *Socket 56K Modem Installation CD* into the host PC.



Note: The host PC can be a desktop or notebook PC.

3. Use **My Computer** or **Windows Explorer** to access your CD-ROM drive. Click on **SETUP.EXE**.

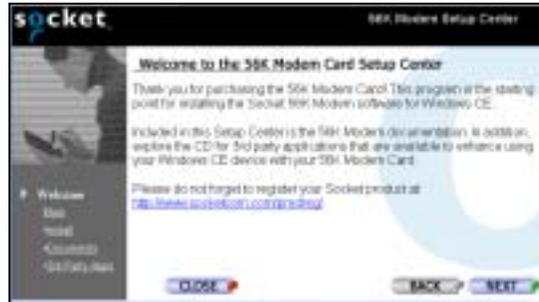


CD Drive

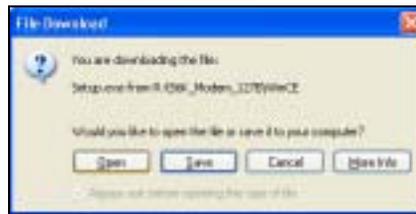


Setup.exe

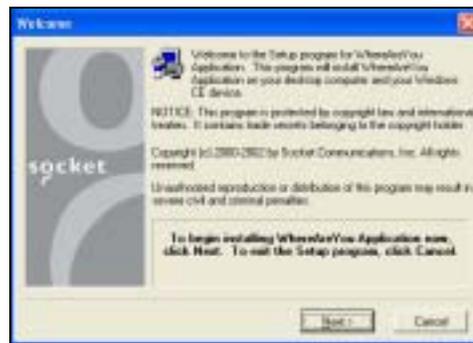
- The Setup Center will appear in your browser. Follow the instructions on your screen to install the software for Windows CE.



- When the File Download screen appears, click Open. Do NOT click Save!



- The Setup program for WhereAreYou? Software will appear. Follow the instructions on your screen until installation is complete.



- When installation is complete, disconnect the mobile computer from the host PC. Soft reset the mobile computer by pressing the reset button.

Important! Make sure you soft reset your mobile computer by pressing the reset button!

Pocket PC 2003 only: Do not soft reset the device when a Socket card is inserted, or application errors may occur. If errors occur, remove the card and soft reset the device. Wait for the device reset to finish before you re-insert the card.

STEP 4: Insert the Card



*Note: If you installed Socket's WhereAreYou? software, you may want to use it now to set up the modem card for your country. You must start this process **BEFORE** inserting the card. For instructions, go to page [32](#).*

Insert the 56K Modem Card into your mobile computer, with the gray label on top. If using a PC Card slot, first plug the card into a CompactFlash-to-PC Card adapter.

Plug the card directly into a CompactFlash I/O slot.



OR



Insert card into an adapter for use in a PC Card slot.

Warning! Do NOT insert the card upside down, or damage may occur!

When you insert the card, the Power and Data Status LEDs will blink then turn off.

STEP 5: Set up the Dial-up Connection

The process for setting up a dial-up connection differs between Pocket PC 2000/2002/2003, and Handheld PC devices. In the following pages, find the instructions for your specific type of Windows CE-based mobile computer.

You will need your dial-up information for this step. For most devices, this step involves two separate parts: making a new connection and entering the dialing settings.

Pocket PC 2000

Make a New Connection

1. Go to Start | Settings | Connections. Tap on Modem.
2. In the next screen, tap New Connection...



3. In the next screen, enter the following settings.
 1. Enter a name...: Enter a name, such as "My 56K Connection."
 2. Select a modem: Socket 56K Modem or Socket-CF+_ 56K_Modem.
 3. Baud Rate: 57600



If you DO NOT need to enter any IP addresses, tap **Next**.

If you DO need to enter IP addresses, tap **Advanced**. Use the **TCP/IP** and **Name Servers** screens to enter the necessary IP addresses. Tap **ok**. In the next screen, tap **Next**.

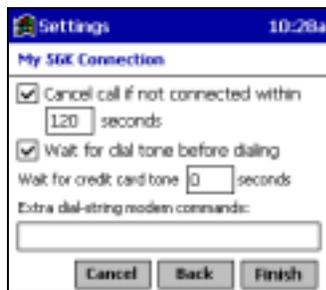


4. Enter the dial-up number and tap **Next**. You can enter the phone number without spaces or dashes.



Important! Be sure to enter the correct Country code, Area code, and Phone number! Do not leave any field blank!

5. Make sure **Wait for dial tone before dialing** is checked. Tap **Finish**.



Enter Dialing Settings

1. After making the new connection, you will return to the **Connections** screen. Your new connection should be listed. Tap on the **Dialing** tab.



2. In the next screen, enter the settings appropriate for your telephone line:

If you DO NOT need to dial a number to use an external line (e.g., 9), do the following:

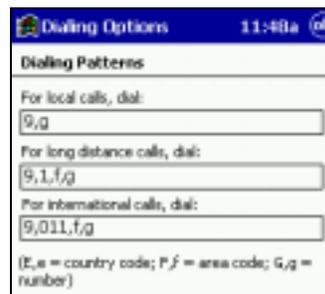
- a) In the **Location:** field, select **Home**. Make sure the **Area code** and **Country code** are correct. Tap **ok**.



Note: In most cases, users should select Home.

If you DO need to dial a number to use an external line (e.g., 9), do the following:

- a) In the **Location:** field, select **Work**. Make sure the **Area code** and **Country code** are correct. Tap on **Dialing Patterns**.
- b) In the **Dialing Patterns** screen, enter the following settings, where:
 - X represents the number for dial-out
 - Y represents the number for dial-out long distance
 - For local calls, dial: X,G
 - For long distance calls, dial: Y,1,FG (“1” for U.S.)
 - For international calls, dial: Y,011,EFG (“011” for U.S.)
- c) Tap **ok**.
- d) In the **Dialing Options** screen, tap **ok**.



Note: The values for X and Y may be the same, as shown..

3. Now you are ready to connect to a telephone line. See STEP 6: Connect to a Telephone Line.

Pocket PC 2002

Make a New Connection

1. Go to Start | Settings | Connections. Tap on Connections.

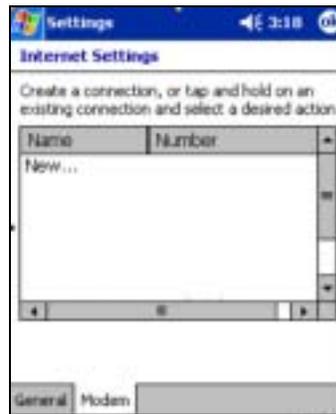


Connections

2. In the next screen, in the top field, select **Internet Settings**. Tap **Modify...**



3. In the next screen, tap **New...**



4. In the next screen, enter the following settings.
 1. Enter a name...: Enter a name, such as “My 56K Connection.”
 2. Select a modem: Select Socket 56K Modem or Socket-CF+_56K_Modem.
 3. Baud Rate: 57600



If you DO NOT need to enter any IP addresses, tap **Next**.

If you DO need to enter IP addresses, tap **Advanced**. Use the **TCP/IP** and **Name Servers** screens to enter the necessary IP addresses. Tap **ok**. In the next screen, tap **Next**.

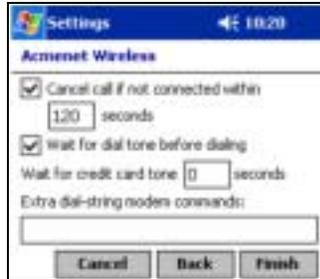


5. Enter the dial-up number and tap **Next**. You can enter the phone number without spaces or dashes.



Important! Be sure to enter the correct Country code, Area code and Phone number! Do not leave any field blank!

6. Make sure **Wait for dial tone before dialing** is checked. Tap **Finish**.



7. In **Internet Settings**, if multiple connections exist, you must select the new connection to be used when dialing. In the list, tap and hold your stylus on the connection. In the pop-up menu, select **Always Dial**. Tap **ok**.

If you have only one connection, then the **Always Dial** feature will not appear. Tap **ok**.



After you select the modem card connection for dialing, it should be identified here.

Enter Dialing Settings

1. After making the new connection, you will return to the **Connections** screen. Tap on the **Dialing Locations** tab.



In the next screen, enter the settings appropriate for your telephone line.

If you DO NOT need to dial a number to use an external line, do the following:

- a) In the **Location:** field, select **Home**. Make sure the **Area code** and **Country code** are correct. Tap **ok**.



Note: In most cases, users should select Home.

If you DO need to dial a number to use an external line (e.g., 9), do the following:

- a) In the **Location:** field, select **Work**. Make sure the **Area code** and **Country code** are correct. Tap on **Dialing Patterns**.
- b) In the **Dialing Patterns** screen, enter the following settings, where:
 - X represents the number for dial-out
 - Y represents the number for dial-out long distance
 - For local calls, dial: X,G
 - For long distance calls, dial: Y,1,FG (“1” for U.S.)
 - For international calls, dial: Y,011,EFG (“011” for U.S.)
- c) Tap **ok**. In the **Dialing Options** screen, tap **ok**.



Note: The values for X and Y may be the same, as shown..

2. Now you are ready to connect to a telephone line. See **STEP 6: Connect to a Telephone Line**.

Pocket PC 2003

Note: These instructions are for setting up a standard dial-up connection to an Internet Service Provider (ISP). If you want to connect to your work network and/or a VPN/proxy server, please refer to your Pocket PC 2003 documentation for instructions.

1. Go to Start | Settings | Connections. Tap on Connections.



Connections

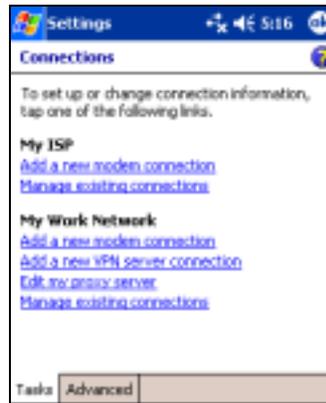
2. Tap on the Advanced tab. Tap on the Select Networks button.



3. In the Network Management screen, make sure My ISP is selected in the top field, and My Work Network is selected in the bottom field. Tap ok.



4. Tap on the **Tasks** tab. In most cases, you should tap **Add a new modem connection** under **My ISP**.



5. In the next screen, enter the following:
 - Enter a name...: Enter a name, such as “My 56K Connection”
 - Select a modem: Socket 56K Modem or Socket-CF+_ 56K_Modem.Tap **Next**.



6. In the next screen, enter the dial-up number exactly how it should be dialed from your current location. You can enter the number without any spaces or dashes.



*Note: If you plan to use the connection in different area codes, tap **use dialing rules** to set up the correct dialing locations. Refer to your *Pocket PC 2003* documentation for instructions.*

6. In the next screen, enter the User name and Password. Tap **Advanced**.



7. In the **General** screen, select the following:

- Baud rate: 57600.
- Wait for dial tone before dialing: Checked.



If you **DO NOT** need to enter any IP addresses, tap **ok**.

If you **DO** need to enter IP addresses, tap on the **TCP/IP** and **Servers** tabs to enter any necessary IP addresses. Tap **ok**.



8. In the last screen, tap **Finish**. Now you are ready to connect to a telephone line. Proceed to **STEP 6**.

Handheld PC Devices

This section explains how to set up the modem connection for a Handheld PC, Handheld PC Pro or Handheld PC 2000.

Make a New Connection

1. Go to **Start | Programs | Communication | Remote Networking | Make New Connection**.



2. In the **Make New Connection** screen, enter a name for the connection, such as “My 56K Connection.” Select **Dial-Up Connection**. Tap **Next>**.



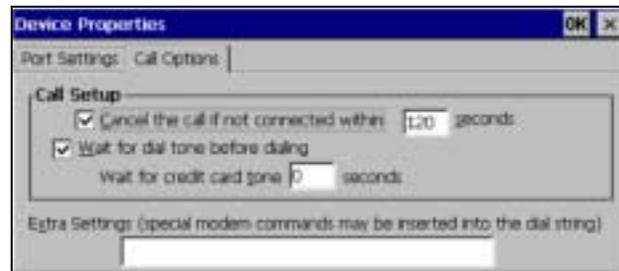
3. The **Make New Dial-Up Connection** screen will appear. In the drop-down menu, select **Socket 56K Modem** or **Socket-CF+_56K_Modem**. Tap on **Configure...**



- In **Port Settings**, in the **Baud Rate** field, select **57600**. Tap on the **Call Options** tab.



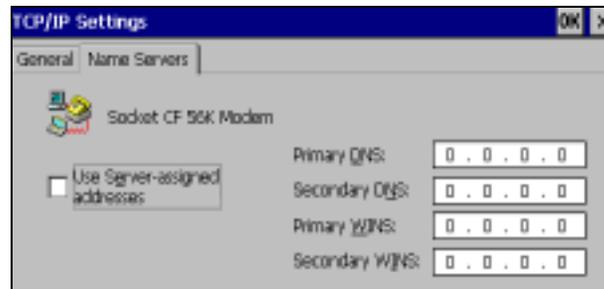
- Make sure **Wait for dial tone before dialing** is checked. Tap **OK**.



- The **Make New Dial-Up Connection** screen will appear.

If you **DO NOT** need to enter any IP addresses, tap **Next>**.

If you **DO** need to enter IP addresses, tap **TCP/IP Settings**. Use the **General** and **Name Servers** screens to enter any necessary IP addresses. Tap **OK**. In the next screen, tap **Next>**.



- In the next screen, enter the phone number of your office network or ISP. Tap **Finish**.

Important! Be sure to enter the Country code, Area code, and Telephone number!

Enter Dialing Properties

1. When you return to the **Remote Networking** screen, tap on the icon for the connection you just made.



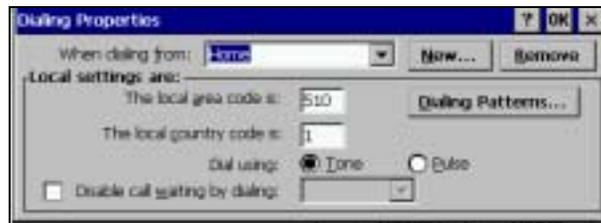
2. In the **Dial-Up Connection** screen, enter your **User Name** and **Password**. Then tap on **Dial Properties**.



3. In the **Dialing Properties** screen, enter the settings appropriate for your telephone line.

If you **DO NOT** need to dial a number to use an external line (e.g., 9), do the following:

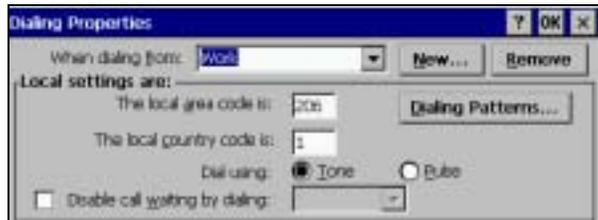
- a) In the **When dialing from:** field, select **Home**. Make sure the area code and country code are correct. Tap **OK**.



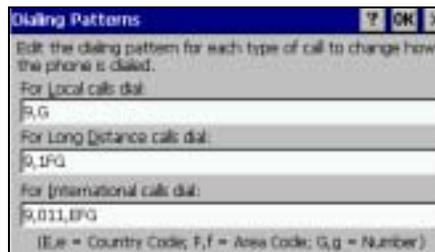
Note: In most cases, users should select Home.

If you DO need to dial a number to use an external line (e.g., 9), do the following:

- a) In the **When dialing from:** field, select **Work**. Make sure the area code and country code are correct. Tap on **Dialing Patterns...**



- b) In the **Dialing Patterns** screen, enter the following settings, where:
X represents the number for dial-out
Y represents the number for dial-out long distance
 9. For local calls, dial: X,G
 10. For long distance calls, dial: Y,1,FG (“1” for U.S.)
 11. For international calls, dial: Y,011,EFG (“011” for U.S.)



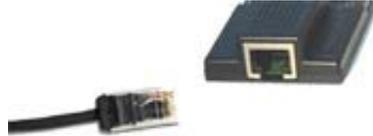
Note: The values for X and Y may be the same, as shown.

- c) Tap **OK**. In the **Dialing Properties** screen, tap **OK**.

4. Now you are ready to connect to a telephone line. See Step 6.

STEP 6: Connect to a Telephone Line

With the card still in your mobile computer, connect to an analog telephone line.



STEP 7: Dial and Connect!

Now you are ready to dial in and connect to your network. The process for this differs between Pocket PC 2000/2002/2003 and Handheld PC devices. In the following pages, find the instructions for your specific type of Windows CE-based mobile computer.

Pocket PC 2000

1. Go to **Start | Programs | Connections**. Tap on the icon for the modem connection you created in Step 5.
2. In the next screen, make sure the correct **User name** and **Password** are entered. In **Dial from**: select the appropriate location:
 - **Home**: Select this if you **DO NOT** need to dial a number to use an external line.
 - **Work**: Select this if you **DO** need to dial a number to use an external line.



You may need to modify the dial properties. For instructions, refer to your Pocket PC's

Make sure the correct **Phone** number is listed. To modify, tap on the number.

3. Tap **Connect**. Call status screens will appear, and the Power and Data Status LEDs will blink.



4. When you have connected, the task tray will show two icons:
 -  **Connection status icon**: indicates an active remote networking connection
 -  **Modem status icon**:
GREEN — connected RED — data transmitting

When your Pocket PC is connected, the Link and Power Status LEDs will stay on, and the Data Status LED will blink during data transmission.

Ending a Data Call

1. Go to **Start | Today**. Tap on the connection icon in the task tray. 
2. In the status screen, tap **Disconnect**. After the Pocket PC disconnects, the task tray icon will disappear. All LEDs may turn off, depending on your device.

Pocket PC 2002

1. After setting up the dial-up connection, you will be in the Connections screen. In the top field, make sure **Internet Settings** is selected. Tap **Connect**.



To access this screen any time, go to:

Start – Settings – Connections – Connections.

2. Make sure the correct **User name** and **Password** are entered.



You may need to modify your dial properties. Refer to your Pocket PC 2002's user manual for instructions.

3. Tap **OK**. Connection status screens will appear, and the Power and Data LEDs will blink. When the status screen reports that you have **Connected**, the screen will show two icons.



Connection icon: (Navigation bar at top of screen)
Indicates an active dial-up or network connection



Modem status icon: (Task tray at bottom of screen)
GREEN — connected RED — data transmitting

When the Pocket PC is connected, the Link and Power Status LEDs will stay on, and the Data Status LED will blink during data transmission.

Ending a Data Call

1. Go to **Start | Today**. Tap on the connection icon in the navigation bar at the top of your screen. 
2. In the status screen, tap **End**. After the Pocket PC disconnects, the connection icon will disappear, and the modem status icon will turn red before disappearing. All LEDs may turn off, depending on your device.

Pocket PC 2003

Socket recommends using either of two methods for dialing in and connecting to your network.

METHOD 1: Tap on the Connection icon

1. Tap on the Connection icon in the navigation bar at the top of the screen. It should have an “X” to show that you are not connected.



2. A bubble should appear with the dial-up connection you just created. Verify the phone number, then tap on the phone number.



Note:

- *Multiple connections may be listed. Tap on the phone number of the connection you want to dial.*
 - *If the connection you want is not listed, tap on Settings. Tap Manage Existing Connections and select the connection you want to use. Tap ok.*
3. If you did not save the dial-up password, the Network Log On screen may appear. Enter the Password and tap OK.



4. The device will begin dialing.



When the Pocket PC tries to connect, the Power and Data LEDs will blink.

Connection icon: (Navigation bar at top of screen)
Indicates an active dial-up or network connection



Modem status icon: (Appears if you installed Socket software)
GREEN — connected RED — data transmitting



When the Pocket PC is connected, the Link and Power Status LEDs will stay on, and the Data Status LED will blink during data transmission. The **Connectivity** bubble will report your connection time.

METHOD 2: Dial automatically from your application

Note: After you have set up a dial-up connection, the Connection Manager will automatically try to connect whenever you insert the card and try to use Pocket Internet Explorer, Pocket Inbox, or any other program that uses a dial-up connection.

1. Start the program that uses a dial-up connection. Enter a request for receiving and/or transmitting information (e.g., in Pocket Internet Explorer, enter a new URL and tap “Go”). The Pocket PC will automatically try to connect.



*Note: If the phone number of dialing location is wrong, tap **Settings**. Tap **Manage Connections** and **Edit** the properties of your connection.*

2. If you did not save the dial-up password, the **Network Log On** screen may appear. Enter the **Password** and tap **OK**.



- When the Pocket PC tries to connect, the Power and Data LEDs will blink. After the device connects, it will receive/transmit the information as requested (e.g., Pocket Internet Explorer will display the requested website).

Connection icon: (Navigation bar at top of screen)

Indicates an active dial-up or network connection



Modem status icon: (Appears if you installed Socket software)

GREEN — connected RED — data transmitting



When the Pocket PC is connected, the Link and Power Status LEDs will stay on, and the Data Status LED will blink during data transmission.

Ending a Data Call

- Tap on the connection icon in the navigation bar at the top of your screen.



- In the status screen, tap **Disconnect**. After the Pocket PC disconnects, the connection icon will disappear, and the modem status icon will turn red before disappearing. All LEDs may turn off, depending on your device.

Handheld PC Devices

1. After setting up the dial-up connection in Step 5, you will already be in the **Dial-Up Connection** screen.

To access this screen at any time, follow these steps:

- Go to **Start | Programs | Communication | Remote Networking**.
- Tap on the icon for the modem connection you created in Step 5.



2. In the next screen, verify the connection information.



3. For some mobile computers, you must modify the dial properties. For instructions, refer to the mobile computer's user manual.
4. Tap **Connect**. Call status screens will appear, and the Power and Data Status LEDs will blink.



5. After the status screen reports that you have **Connected**, two connection icons will appear:



Connection icon: (Task tray at bottom of screen)
Indicates an active dial-up or network connection



Modem status icon: (Task tray at bottom of screen)
GREEN — connected RED — data transmitting

When the HPC is connected, the Link and Power Status LEDs will stay on, and the Data Status LED will blink during data transmission.

Ending a Data Call

1. Tap on the connection icon in the task tray: 
2. In the status screen, tap **Disconnect**. After the mobile computer disconnects, the task tray icon will disappear from your screen. All LEDs may turn off, depending on your device.

OPTIONAL: Set up the Card for Your Country

In order to set up the card for your country, you must first install Socket's *WhereAreYou?* software. Begin these steps to set up the card for your country BEFORE inserting the modem card into your Pocket PC.

Note: Screens from a Pocket PC 2000 are shown.

1. Pocket PC Devices: Go to Start | Settings | System | WhereAreYou?
HPC Devices: Go to Start | Settings | Control Panel | WhereAreYou?
2. The *WhereAreYou?* screen will appear, similar to the one below. As directed, close any applications that may currently be using the modem.



3. Insert the 56K Modem Card into your mobile computer.
4. After a few seconds, names of countries should appear in the drop-down list. Select the appropriate country, then tap Save.



OPTIONAL: Check Connection Time

Pocket PC 2003

The Connection Manager reports the connection time. Tap on the connection icon in the Navigator bar to access the Connectivity bubble.



Pocket PC 2000/2002 and HPC Devices

Socket's software includes a status indicator applet that lets you quickly view the modem connection's time elapsed. This applet appears only if you have an active connection via the 56K Modem Card.

1. *Pocket PC Devices only:* Go to Start | Today.

2. Tap on the modem status icon in the task tray.



3. A screen will appear, reporting the connection time.



Chapter 3 Setup for Casio BE-300

This chapter explains how to install and use the 56K Modem Card with a Casio BE-300 Cassiopeia Pocket Manager.

Installation Steps Summary



- STEP 1: Register your card.
- STEP 2: Prepare dial-up information.
- STEP 3: If desired, install the software.
- STEP 4: Insert the card.
- STEP 5: Set up the dial-up connection.
- STEP 6: Connect to a telephone line.
- STEP 7: *Dial and connect!*

OPTIONAL: Set up the card for your country.

OPTIONAL: Check connection time.

OPTIONAL: Set up advanced networking

STEP 1: Register Your Card

Socket highly recommends that all users register their product. Registered users receive priority for technical support. You can register your 56K Modem Card online at: www.socketcom.com/prodreg

STEP 2: Prepare Dial-up Information

Find out the following dial-up information. If needed, contact your network administrator or ISP. You need this information to set up a connection.

Dial-up number: (_____) _____

User name: _____

Password: _____

Note: For most users, only the information above is necessary. If you are an advanced user and want to perform a more detailed setup, then complete the Network Information Form in Appendix B.

STEP 3: Install the Software

Should I install Socket's *WhereAreYou?* software?

You have two options for software installation:

Option 1: Skip software installation.

The Casio BE-300 comes with a generic built-in modem driver. For basic operation of the modem card, you can use the built-in driver and skip software installation. If you plan to use your device's built-in drivers, then proceed to Step 4 to insert the modem card into your device.

Option 2: Install Socket's enhanced software.

You can use the modem card with Socket's *WhereAreYou?* software, which is enhanced with the features listed below. If you do not need these features, skip software installation.

- A task tray icon that makes it easy to check if you have a good connection
- An applet that reports your connection time and speed
- An applet that lets you program the modem card to work in any country

Software Installation

If you have not installed the software yet, follow the steps below. Make sure to install the software BEFORE inserting the modem card.

1. Use the USB/serial cable to connect the BE-300 to a host PC.



2. Perform a PC Connect. For instructions, refer to the documentation that came with your BE-300.
3. Insert the *Socket 56K Modem Installation CD* into the host PC.



Note: The host PC can be a desktop or notebook PC.

4. Use **My Computer** or **Windows Explorer** to access your CD-ROM drive. Click on **SETUP.EXE**.
5. Follow the instructions on your screen to install the software.

6. When installation is complete, disconnect the mobile computer from the host PC. Soft reset the mobile computer by pressing the reset button.

STEP 4: Insert the Card



*Note: If you installed Socket's WhereAreYou? software, you may want to use it now to set up the modem card for your country. You must start this process **BEFORE** inserting the card. For instructions, go to page [40](#)*

Insert the 56K Modem Card into the CompactFlash I/O slot of your BE-300. Make sure the card is right-side up, with the gray label on top.

Plug the card directly into a CompactFlash I/O slot.



Warning! Do NOT insert the card upside down, or damage may occur!

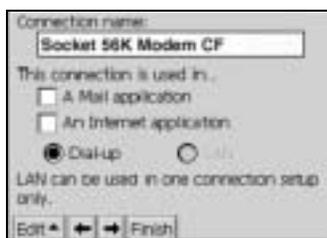
When you insert the card, the Power and Data Status LEDs will blink once then turn off.

STEP 5: Set up the Dial-up Connection

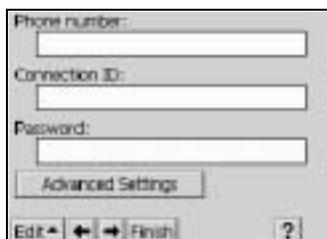
You will need your dial-up information for this step. Unlike for other device types, you do NOT need to enter any dialing settings for the Casio BE-300.

1. Go to **Main | Connections**. Tap on **New Setting...**
2. In the next screen, enter the following settings:
 - **Connection name:** Enter a name, such as “Socket 56K Modem CF.”
 - **A Mail/Internet application:** Unchecked recommended. Otherwise consult your BE-300 documentation.
 - **Dial-up:** Selected

After entering these settings, tap ⇨



3. In the next screen, enter your **Phone number**, **Connection ID** (this is the same as your user name), and **Password**. Then tap ⇨



4. In the next screen, make the following selections, then tap **Finish**.
 - **Modem:** Select the Socket 56K Modem
 - **Speed:** Select 57600 bps
 - **Wait for tone:** Checked

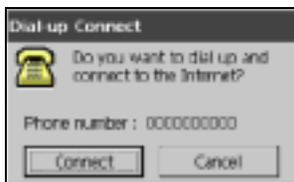
STEP 6: Connect to a Telephone Line

With the card still in your mobile computer, connect to an analog telephone line.



STEP 7: Dial and Connect!

1. After setting up your dial-up connection in Step 5, your new connection should be listed in the **Connections** screen. Select your modem connection, then tap **Connect**.
2. In the **Dial-up Connect** screen, verify the phone number. Tap **Connect**.



3. A series of screens will appear, reporting the status of your call. The Power and Data Status LEDs will blink.
4. When your device has connected, it will report **Connected**. Two icons will also appear at the bottom of your screen.



Connection status icon: indicates active remote networking connection



Modem status icon:

GREEN — connected

RED — data transmitting

When your device has connected, the Link and Power Status LEDs will stay on, and the Data Status LED will flash during data transmission.

Ending a Data Call

1. Tap on the connection icon at the bottom of your screen. 
2. In the connection status screen, tap **Disconnect**.



3. In the next screen, tap **Disconnect Now**. The connection status icon will disappear. The modem status icon will turn red then disappear. All LEDs will turn off.

OPTIONAL: Set up the Card for Your Country

In order to set up the card for your country, you must first install Socket's software. Begin these steps to set up the card for your country BEFORE inserting the modem card into your Casio BE-300.

Pocket PC 2002 screens are shown below. Casio BE-300 screens will be functionally equivalent.

1. Go to **Main | WhereAreYou?**
2. The *WhereAreYou?* screen will appear, similar to the one below.



*As directed,
close any
applications
that may
currently be
using the
modem.*

3. Insert the 56K Modem Card into your Casio BE-300.
4. After a few seconds, names of countries should appear in the drop-down list. Select the appropriate country, then tap **Save**.



OPTIONAL: Check Connection Time

Socket's software includes a control panel applet that lets you quickly view the modem connection's time elapsed. This applet appears only if you have an active connection via the 56K Modem Card.

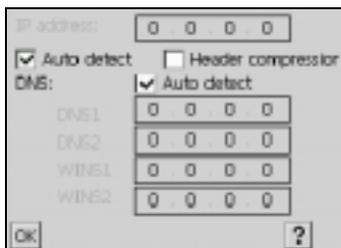
1. Tap on the modem status icon in the task tray. 
2. A screen will appear similar to the one below, reporting the connection time.



OPTIONAL: Set up Advanced Networking

Follow these guidelines to set up a dial-up connection for a RAS server:

1. Complete the Network Information Form on the next page.
2. While making a new connection in Step 5, in the phone number screen, tap on **Advanced Settings**.
3. Disregard the next screen and tap 
4. Use the next screen to enter any necessary IP addresses.
 4. If using DHCP, you can probably keep the default settings.
Tap **Finish**.



-   If NOT using DHCP, uncheck **Auto-detect** to enter any necessary IP addresses, then tap **Finish**.

Chapter 4 Setup for Windows 95/98/Me/2000/XP

This chapter explains how to install and use the 56K Modem Card with a notebook computer running Windows 95/98/Me/2000/XP.*

Please note that the Socket *WhereAreYou?* software does not work with Windows notebooks.

Installation Steps Summary

- STEP 1: Register your card.
- STEP 2: Prepare dial-up information.
- STEP 3: Insert the card.
- STEP 4: Install the drivers.
- STEP 5: Set up your dial-up connection.
- STEP 6: Connect to a telephone line.
- STEP 7: *Dial and connect!*

OPTIONAL: Set up advanced networking.



STEP 1: Register Your Card

Socket highly recommends that all users register their product. Registered users receive priority for technical support. You can register your 56K Modem Card online at: www.socketcom.com/prodreg

STEP 2: Prepare Dial-up Information

Find out the following dial-up information. If needed, contact your network administrator or ISP. You need this information to set up a connection.

Dial-up number: (_____) _____

User name: _____

Password: _____

Note: For most users, only the information above is necessary. If you are an advanced user and want to perform a more detailed setup, then complete the Network Information Form in Appendix B.

* Windows 95 v4.00.950B; Windows 98; Windows 98 Second Edition

STEP 3: Insert the Card

1. Insert the 56K Modem Card into a CompactFlash-to-PC Card adapter, with the gray label on top.
2. With the computer turned ON, insert the card-plus-adapter unit into the PC Card slot of your computer.



3. After a few seconds, a new hardware or device driver wizard will automatically launch. Proceed to Step 4 to complete the wizard to install the drivers.

Warning! Do NOT insert the card upside down, or damage may occur!

When you insert the card, the Power and Data Status LEDs will blink once then turn off.

STEP 4: Install the Drivers

Follow the wizard to install the modem drivers, making the appropriate selections below as prompted. You do not need to download any software or use an installation CD.

- When asked what you want Windows to do, select what is **Recommended**.

Windows 95/98/Me — Search for the best driver for your device.



Windows 2000 — Search for a suitable driver for my device.

Windows XP — Install the software automatically.

- When asked where you want Windows to search for a device, **DO NOT** specify any location. **UNCHECK ALL OPTIONS**, and click **Next>**.



- After Windows has found a suitable driver, click **Next>**.



STEP 5: Set up Your Dial-up Connection

To set up your dial-up connection, use the network connection wizard included with Windows.

1. Windows 95/98 — Go to My Computer | Dial-Up Networking | Make New Connection.

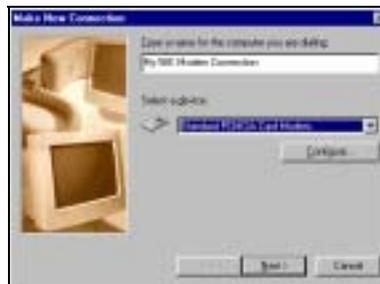


Windows Me — Go to My Computer | Control Panel | Dial-Up Networking | Make New Connection.

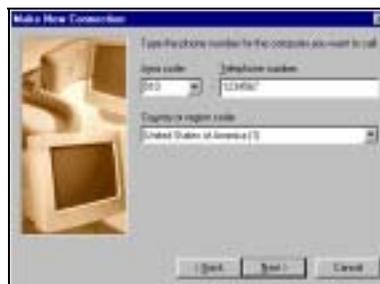
Windows 2000 — Go to Start | Settings | Control Panel | Network and Dial-Up Connections | Make New Connection.

Windows XP — Go to Start | Control Panel | Network Connections | Create a New Connection.

2. Follow the wizard to set up a connection, making the following selections as prompted:
 - Select a device: Select Standard PCMCIA Card Modem.

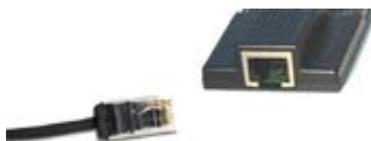


- Telephone number: Enter the dial-up number of your office network/ISP.



STEP 6: Connect to a Telephone Line

With the card still in your computer, connect to an analog telephone line.



STEP 7: Dial and Connect!

1. After setting up your dial-up connection in Step 5, your new connection should be included in screen listing dial-up connections (this is the same screen that you accessed at the beginning of Step 5). Double-click on your new modem connection.



2. In the **Connect To** screen, make sure the correct **User name**, **Password**, and other connection information are entered. If necessary, create a new dialing location to make sure the correct area code and/or other dialing prefixes are used. Click **Connect**.



3. A series of screens will appear, reporting the status of your call. The **Power** and **Data Status LEDs** will blink. When the computer has connected, the status screen will report **Connected**.



When your computer has connected, the **Link** and **Power Status LEDs** will stay on, and the **Data Status LED** will blink during data transmission.

4. To end a data call, in the connection status screen, tap **Disconnect**.

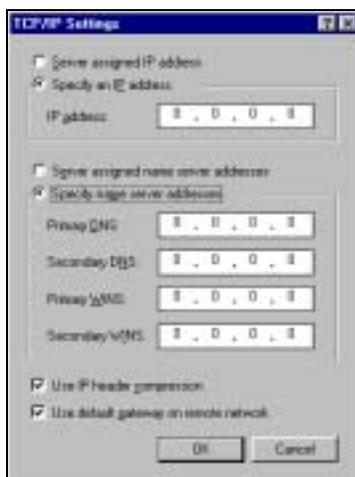
OPTIONAL: Set up Advanced Networking

Follow the steps below to set up a dial-up connection for a RAS server. Advanced setup is necessary only if your network does NOT use DHCP (Dynamic Host Configuration Protocol).

1. Complete the Network Information Form in Appendix B.
2. To enter TCP/IP settings, after completing the wizard to create a new dial-up connection in Step 5, follow these steps to modify the connection:

Windows 95/98 —

- (a) Right-click on the icon for the connection you just created. In the pop-up menu, select **Properties**.
- (b) Click on the **Server Types** tab. Click on the **TCP/IP Settings** button.
- (c) Enter any necessary settings, then click **OK**.



- (d) Click **OK** again in the main properties screen.
- (e) Restart your computer to make sure the changes take effect.

Windows Me —

- (a) Right-click on the icon for the connection you just created. In the pop-up menu, select **Properties**.
- (b) Click on the **Networking** tab. Click on the **TCP/IP Settings** button.
- (c) Enter any necessary settings, then click **OK**.
- (d) Click **OK** again in the main properties screen.
- (e) Restart your computer to make sure the changes take effect.

Windows 2000 —

- (a) Right-click on the icon for the connection you just created. In the pop-up menu, select **Properties**.
- (b) Click on the **Networking** tab. Check **Internet Protocol** and click on **Properties**.
- (c) Enter any necessary settings. If needed, click on the **Advanced** button to enter DNS, WNS or other settings. When done, click **OK**.
- (d) Click **OK** again in the main properties screen.
- (e) Restart your computer to make sure the changes take effect.

Windows XP —

- (a) After completing the wizard in Step 5, the **Connect** screen will appear for your new connection. Click on **Properties**.
- (b) Click on the **Networking** tab. Check **Internet Protocol** and click on **Properties**.



- (c) Enter any necessary settings. If needed, click on the **Advanced** button to enter DNS, WNS or other settings. When done, click **OK**.
- (d) Click **OK** again in the main properties screen.
- (e) Restart your computer to make sure the changes take effect.

Appendix A Specifications

Physical Characteristics: CF I/O Card Size: 88 x 42.8 x 14.8 mm

Power Consumption (DC 3.3V): Active: 119 mA Inctive: 13 mA

Interface Standards:

CompactFlash Interface: CompactFlash I/O, Type I Extended

With CompactFlash-to-PC Card Adapter: PCMCIA, Type II

Serial Communications: TTL

Transmit Speed: Up to 33.6 Kbps

Receive Speed: Up to 56 Kbps

Data Modulation: ITU V.90, 56Kflex

Fax: Send/receive 14.4 Kbps ITU-T V.17, V.24, V.27 + err, V.21 Channel 2

Error Correction: MNP Levels 2-4 ITU V.42

Data Compression: MNP Level 5 ITU V.42

Line Requirement: Public Switched Telephone Network (PSTN)

Receiver Sensitivity: 0-43 dBm

Hardware Compatibility:

Standard Card (without PC Card adapter):

Pocket PC 2000/2002/2003, Handheld PC Pro and Handheld PC 2000
with CompactFlash I/O slot.
Casio BE-300 Cassiopeia Pocket Manager.

With CompactFlash-to-PC Card adapter:

Pocket PC 2000/2002/2003, Handheld PC Pro and Handheld PC 2000
with PC Card slot.
Windows 950B/98/98SE/Me/2000/XP notebook with Cardbus.

For information on Sharp Zaurus compatibility, please visit:

www.socketcom.com/ZaurusSharp.asp

Software Included: Socket 56K Modem Installation CD

Warranty: CompactFlash Card: Three years

Certification:

FCC: Part 15, Class B

CE: ET91B-06-030

JATE ID: A02-00HJP

Telecom Approval: FCC: Part 68, CTR 21

Appendix B Network Information

Network Information Form

For Advanced Users Only

Contact your office network administrator or Internet Service Provider (ISP) for the information below.

For a text-only form that you can email to your network administrator or ISP, visit: www.socketcom.com/pdf/56kform.txt

1. Please provide the following dial-up information:

Dial-up number: (____) _____

User name: _____

Password: _____

Domain: _____

2. Does the network support DHCP (Dynamic Host Configuration Protocol)?

YES. If *Yes*, then STOP. You do NOT need to answer Question 3.

NO. If *No*, then continue to Question 3. You may need only some of the IP addresses listed below.

3. Please specify any applicable IP addresses:

(a) Mobile Computer IP address: ____ . ____ . ____ . ____

(b) Subnet Mask: ____ . ____ . ____ . ____

(c) Default Gateway: ____ . ____ . ____ . ____

(d) Primary DNS: ____ . ____ . ____ . ____

(e) Secondary DNS: ____ . ____ . ____ . ____

(f) Primary WINS: ____ . ____ . ____ . ____

(g) Secondary WINS: ____ . ____ . ____ . ____

Appendix C Support Resources

Technical Support

If you have trouble installing or using the 56K Modem Card, Socket has two technical support resources you can use:

Socket On-Demand Support (SOS)

Socket On-Demand Support provides the quickest turnaround time and is the best place to start for technical support. Because it's interactive, this virtual technical support assistant focuses in on your specific problem to provide the specific answers you need.



To access Socket On-Demand Support, please visit: www.socketcom.com/support/default.asp and click on the SOS icon.

If SOS cannot answer your inquiry, you will have the opportunity to submit your question(s) to a technical support engineer after the session. Your interactive session will be saved for reference.

Please note: To help expedite live tech support, you will be asked to register your product and provide some system configuration/environment information.

Live Technical Support

IMPORTANT! To obtain technical support for your product, you must first register your product online at www.socketcom.com/prodreg.

Once you have registered your product, you can contact Socket's technical support department by doing either of the following:

- Submit an email inquiry through the online support system. After you register your product, you will be presented with an option to 'submit a problem'. Click on this option to follow the online process to submit an email request for technical support.

This is the fastest way to obtain technical support and has the quickest turnaround time. Registered customers who submit a question online will receive priority service. If we are unable to resolve your support

inquiry via email, we can arrange for a technical support representative to call you at a specific time.

- Call our technical support line at 510-744-2720 to leave a message for a technical support representative to return your call at a specific time and number. When you call, please leave your email address that you registered under, a phone number and time that you can be reached at, and a detailed description of your problem.

After you register your product, you can use the product registration webpage to submit an email inquiry directly to a technical support specialist for priority service, view product information, register additional products, view a complete database of FAQs and view a history of technical support activity for previous support issues.

Users' Forum

If you would like to discuss the Socket 56K Modem Card with other users, visit Socket's users' forum at: www.socketforum.com

Important! Socket does NOT provide technical support via the Users' forum!

Note: Socket may, but is not obligated to, monitor or review any areas on the Site where users transmit or post Communications or communicate solely with each other, including but not limited to the user forum, and the content of any such Communications. Socket, however, will have no liability related to the content of any such Communications, whether or not arising under the laws of copyright, libel, privacy, obscenity, or otherwise. Socket retains the right to remove messages that include any material Socket deems abusive, defamatory, obscene or otherwise unacceptable.

Please refrain from disassembling the CompactFlash card. Disassembly of this device will void the product warranty

Limited Warranty

Socket Communications Incorporated (Socket) warrants this product against defects in material and workmanship, under normal use and service, for the following periods from the date of purchase:

Plug-in card: Three years

Incompatibility is not a defect covered by Socket's warranty. During the warranty period, Socket will, at its option, repair or replace the defective product at no charge when furnished with proof of retail purchase, provided that you deliver the product to Socket or to an authorized Socket Service Center.

The returned product must be accompanied by a return material authorization (RMA) number issued by Socket or by Socket's Authorized Service Center. If you ship the product, you must use the original container or equivalent and you must pay the shipping charges to Socket. Socket will pay shipping charges back to any location in the contiguous United States. This warranty applies only to the original retail purchaser and is not transferable.

Socket may, at its option, replace or repair the product with new or reconditioned parts and the returned product becomes Socket's property. Socket warrants the repaired or replaced products to be free from defects in material or workmanship for ninety (90) days after the return shipping date, or for the duration of the original warranty period, whichever is greater.

This warranty does not cover the replacement of products damaged by abuse, accident, misuse or misapplication, nor as a result of service or modification other than by Socket.

SOCKET IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM BREACH OF ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING DAMAGE TO PROPERTY AND, TO THE EXTENT PERMITTED BY LAW, DAMAGES FOR PERSONAL INJURY. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Some states do not allow limitation of implied warranties, or the exclusion or limitation of incidental or consequential damages, so that the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

This product may contain fully tested, recycled parts, warranted as if new.

For warranty information, phone (510) 744-2700.

Limited Software Warranty

LIMITED WARRANTY. SOCKET warrants that the original disk or CD ROM is free from defects for 90 days from the date of delivery of the SOFTWARE.

CUSTOMER REMEDIES. SOCKET'S entire liability and your exclusive remedy shall be, at SOCKET'S option, either (a) return of the price paid or (b) replacement of the SOFTWARE which does not meet SOCKET'S Limited Warranty and which is returned to SOCKET with a copy of your receipt. Any replacement SOFTWARE will be warranted for the remainder of the original warranty period or 30 days, whichever is longer. THESE REMEDIES ARE NOT AVAILABLE OUTSIDE OF THE UNITED STATES OF AMERICA.

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June 2003

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Feel free to contact SOCKET COMMUNICATIONS at:

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37400 Central Court
Newark, CA 94560

Phone: (510) 744-2700
Fax: (510) 744-2727.

Other than the above, Socket Communications can assume no responsibility for anything resulting from the application of information contained in this manual.

Socket Communications requests that you refrain from any applications of the 56K Modem Card that are not described in this manual. Socket Communications also requests that you refrain from disassembling the 56K Modem Card. Disassembly of this device will void the product warranty.

You can track new product releases, software updates and technical bulletins by visiting Socket's web page at: www.socketcom.com.

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