

# Chapter 5 • Configuring InterPPP

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## 5.1 Modem Configuration

To configure the modem settings for an open connection document:

The [Modem Configuration](#) dialog does not have a [Cancel](#) button to undo undesired changes. If you make changes to the settings in the [Modem Configuration](#) dialog that you want to undo, close the dialog and then close the [Connection Document](#) window without saving the changes. When the connection document is reopened, the settings in this dialog are unchanged.

1. Select [Modem...](#) from the [Configure](#) menu while the desired [Connection Document](#) window is open.
- ✓ The [Modem Configuration](#) dialog is displayed ([Figure 5.1](#)).

figure 5.1 The Modem Configuration Dialog

2. From the [Port](#) pop-up menu, select the name of the port that your modem is attached to.
3. From the [Modem](#) pop-up menu, identify the CCL script for your modem by selecting the type of modem you are using.

The CCL script for your modem should automatically appear as the default in the [Modem](#) field. All CCL scripts located in your [Extensions](#) folder are displayed in the pop-up menu.

4. From the [After connect](#) pop-up menu, select the action you want InterPPP to take after establishing a connection.

- Click [Start PPP](#) to have InterPPP begin the PPP session after it connects. Proceed to [Step 9](#).

OR

- Click [Show terminal window](#) to have InterPPP display a terminal window after it connects. When displayed, the terminal window prompts you for a user name and password. Proceed to [Step 9](#).

OR

- Click [Attempt UNIX login](#) to have InterPPP display prompts for a

user name and password for a UNIX™ login after it connects. The [Modem Configuration](#) dialog changes to include a [User name](#) and [Password](#) field. These fields are automatically entered to log in after the connection is made. Proceed to [Step 7](#).

OR

•  
Click [Attempt Comm Server login](#) to automate a connection to your terminal server. The [Modem Configuration](#) dialog changes to include [User name](#), [Password](#), [Prompt](#), and [Command](#) fields. Proceed to [Step 5](#).

5. In the [Prompt](#) field, enter the prompt that is to be delivered by your server once you are connected.
6. In the [Command](#) field, enter the command necessary to successfully log in.

Contact your System Administrator to find out what you need to enter in the [Prompt](#) and [Command](#) fields for your particular server.

7. In the [User name](#) field, enter your user name on the server you are connecting to.
8. In the [Password](#) field, enter your password on the server you are connecting to.
9. Check [Modem Speaker](#) if you want to turn on your modem's speaker during a connection attempt.
10. Specify a connection type by selecting either [Manual](#), [Automatic](#), [Constant](#), or [Direct](#).

•  
Click [Manual](#) if you plan to start and stop the remote network connection manually. The [Modem Configuration](#) dialog includes the [Drop idle connection](#) field. Proceed to [Step 11](#).

OR

•  
Click [Automatic](#) to connect to the remote network automatically whenever there is information to be sent. The [Modem Configuration](#) dialog includes the [Drop idle connection](#) field. Proceed to [Step 11](#).

Automatic connection is recommended for use with the [Dial on Demand](#) feature of InterPPP. See [Section 4.1, Creating a New Connection Document](#), for information on the [Dial on Demand](#) feature.

OR

•  
Click [Constant](#) to maintain a constant connection to the remote network. The link immediately redials if a connection is dropped for any reason. The [Drop idle connection](#) field is hidden. Proceed to [Step 12](#).

OR

•  
Click [Direct](#) if there is no modem involved and the two machines are directly connected via a serial line. The PPP driver restarts the PPP session immediately if it is ever terminated. The [Drop idle connection](#) field is hidden. Proceed to [Step 12](#).

11. Specify the number of seconds InterPPP waits before dropping an idle connection in the [Drop idle connection](#) field.

12. Click the close box in the upper left hand corner of the dialog to close the [Modem Configuration](#) dialog.

✓ The [Connection Document](#) window is displayed.

13. Select [Save](#) from the [File](#) menu to save the modem settings for this

connection document. (Or click the close box to close the document without saving any changes.)

## 5.2 PPP Configuration

To configure the PPP settings for an open connection document:

The **PPP Configuration** dialog does not have a **Cancel** button to undo undesired changes. If you make changes to the settings in the **PPP Configuration** dialog that you want to undo, close the dialog and then close the **Connection Document** window without saving the changes. When the connection document is reopened, the settings in this dialog are unchanged.

1. Select **PPP...** from the **Configure** menu while the desired **Connection Document** window is open.
- ✓ The **PPP Configuration** dialog is displayed (**Figure 5.2**).

**figure 5.2** The PPP Configuration Dialog

2. Uncheck **Protocol Compression** if the server you are connecting to

does not support compression of the PPP protocol.

3. Uncheck [Address Compression](#) if the server you are connecting to does not support compression of IP addresses.

The protocol and address compression options of InterPPP are governed by the standards set in RFC1331.

4. Select an authentication protocol by clicking either [PAP Authentication](#) or [CHAP Authentication](#) if they are enabled.

The authentication radio buttons are enabled when the [Authenticated User](#) option is selected in the [Connection Document](#) window. See [Section 4.1, Creating a New Connection Document](#), for information on the [Authenticated User](#) option.

• Click [PAP Authentication](#) if the server you are connecting to supports this type of user authentication.

OR

• Click [CHAP Authentication](#) if the server you are connecting to supports this type of user authentication.

5. Use the keys in the [Character Map](#) to select which control characters the remote network needs to escape when it sends information back to your Macintosh. The default setting maps out ^Q and ^S.

Some modems do not transmit control characters (ASCII characters 0 through 31) through their serial links. The [Character Map](#) option allows you to substitute characters that you know cannot be transmitted through your modem with characters that the remote network recognizes and replaces with the correct characters once the information has passed over the link successfully.

The PPP protocol maps two characters for each control character, which can slow transmission. Contact your System Administrator

or your modem manufacturer to find out if there are any characters you need to map out for your modem.

6. Enter the largest number of bytes to be transmitted by your modem in the [Maximum Frame Size](#) text field (1500 by default).
7. If you want to reset all parameters in this dialog to InterPPP's default settings, click [Default Settings \(Figure 5.3\)](#).

[figure 5.3](#) The PPP Configuration Dialog with Default Settings

8. Click the close box in the upper left corner of the dialog to close the [PPP Configuration](#) dialog.
- ✓ The [Connection Document](#) window is displayed.
9. Select [Save](#) from the [File](#) menu to save the PPP settings for this connection document. (Or click the close box to close the document without saving any changes.)

## 5.3 TCP/IP Configuration

If you plan to use InterPPP to establish a TCP/IP connection, you need to configure your TCP/IP settings for your connection document.

To configure the TCP/IP settings for an open connection document:

The [TCP/IP Configuration](#) dialog does not have a [Cancel](#) button to undo undesired changes. If you make changes to the settings in the [TCP/IP Configuration](#) dialog that you want to undo, close the dialog and then close the [Connection Document](#) window without saving the changes. When the connection document is reopened, the settings in this dialog are unchanged.

1. Select [TCP/IP...](#) from the [Configure](#) menu while the desired [Connection Document](#) window is open.
- ✓ The [TCP/IP Configuration](#) dialog ([Figure 5.4](#)) is displayed.

[Figure 5.4](#) The TCP/IP Configuration Dialog

2. Enter the IP address of your Macintosh in the [Local IP Address](#) field.

3. Enter the IP address of the remote machine you are connecting to in the [Remote IP Address](#) field.

The [Local IP Address](#) and [Remote IP Address](#) fields may be left as 0.0.0.0 if the [Server](#) option of the [Obtain Address](#) box is selected in the [MacTCP Administrator](#) dialog. See [Section 3.1, TCP/IP Connections](#) , for more information on the [Server](#) option.

4. Uncheck [TCP/IP Header Compression](#) if the server you are connecting to does not support the compression of headers.
5. Check [Use SLIP Protocol](#) to disable PPP and enable the SLIP protocol to be used over the modem connection for TCP/IP connections only.

AppleTalk cannot be used over a SLIP connection.

6. If you want to reset all parameters in this dialog to InterPPP's default settings, click [Default Settings \(Figure 5.5\)](#).

[figure 5.5](#) The TCP/IP Configuration Dialog with Default Settings

7. Click the close box in the upper left hand corner of the dialog to close the [TCP/IP Configuration](#) dialog.
- ✓ The [Connection Document](#) window is displayed.
8. Select [Save](#) from the [File](#) menu to save the TCP/IP settings for this connection document. (Or click the close box to close the document without saving any changes.)