MacWise™ CommToolBox Info

MacWise™ supports the CommToolBox connection tools and file transfer tools of the Macintosh Communications Toolbox. The CommToolBox opens up a whole new world of communications. Any CommToolBox tool that is installed in your System Extensions folder will be supported by MacWise™ (except for terminal tools. MacWise™ uses its own terminal emulation). You can tell if a Connection or File Transfer Tool will work with MacWise™ by using the Finder to "View by Icon". The tools should look like puzzle pieces.

❖ **Note:** You do not have to read this section if you are just going to connect your Mac to a host through the serial port and do not need any of the special CommToolBox functions (MacWise™ can be used without the CommToolBox). However, if you need to connect your Mac to a host through a network, keep reading.

What You Need

MacWise™ has a basic set of tools included with it. They are located in a folder called CommToolBox Tools. Move these tools into your System Extensions folder.

Macintosh System 7 or later automatically works with the CommToolBox. System 6.05 through 6.08 can use the CommToolBox but it must be installed separately and is not included with MacWise™. Contact your local dealer if you need the Macintosh Communications Toolbox for System 6 (it is also sold by APDA at 800-282-2732).

❖ CommToolBox is a trademark of Apple Computer, Inc.

Four connection tools are included with MacWise™:
Serial Tool, Apple Modem Tool, Xmodem Tool and Text Tool. Other tools are available from Carnation Software, third party vendors, Compuserve, America On-Line, the Internet and other sources. Telnet tools known to work with MacWise are:
TGE TCP, VersaTerm Telnet and TCPack.

Serial Tool

The Serial connection tool allows you to transmit data in serial format. It can be used to establish a direct connection between your Macintosh and a host computer using the Modem Port in your Mac (or any other additional ports available).

Modem Tool

The Apple Modem Tool allows you to communicate with a remote computer via a modem attached to your Macintosh. It provides a connection through the serial port or internal modem in the Mac and automatically sets up an attached Apple, Hayes, or Hayes-compatible modem. It can be used to establish a connection using the Modem Port in your Mac (or any other additional ports available).

File Transfer Tools

Two file transfer tools are included with MacWise™: XMODEM Tool and Text Tool. Other tools are available from Carnation Software, third party vendors, Compuserve, America On-Line, the Internet and other sources. Other known file transfer tools at the time of this writing are: YMODEM, YMODEM, Kermit and FTP.

XMODEM Tool

The XMODEM tool is one of the most widely used file transfer tools used to transfer files between the Macintosh and bulletin board services and other computers. It provides error checking and can transfer files in Binary, MacBinary , MacTerminal, Straight XMODEM or XMODEM TEXT. The normal mode is MacBinary.

TEXT Tool

The TEXT tool will transfer ASCII text files. It does not use error checking. The proper delay times must be entered to make the data transfer speed match your host computer.

Use CommToolBox

When this item is enabled, you will have access to the CommToolBox Menu. The Dialer and Settings Menus will be disabled. (The CommToolBox uses its own dialer and settings.)

New Connection...

Allows you to select a new connection tool and settings. The Serial Tool, Modem Tool and AppleTalk ADSP Tool are included with MacWise™. Other connection tools are available from third party sources, bulletin boards, the Internet and other online services.

The example below shows the Connection Settings window that appears when you select "New Connection..." from the CommToolBox Menu. When you click and hold the pop-down menu next to the word "Method:", you can select from all of the available connection tools. The serial tool is shown. As you can see, this is where you select the Baud Rate, Parity, Data Bits, Stop Bits and Handshake. You also select the port you want to use (usually the Modem Port). Extra ports are supported if available, such as a Quadralink board with four additional ports.

❖ **Note:** Creating a new connection does not actually make the connection. You need to select Open Connection to begin communications.

Call Carnation Software if you need to connect to a TCP/IP network (You will need extra tools for that.)

Open Connection

Opens a connection that you have already selected with the New Connection... menu item.

Close Connection

Closes the current connection.

Open Settings...

Opens a settings file and changes the connection tool, file transfer tool and associated settings based on the parameters in the settings file.

Save Settings

Saves the current connection tool settings, file transfer tool settings and all other settings including function keys to the currently opened settings file. If no settings file is open, then MacWise™ will ask you for a file name.

Save Settings As...

Saves the current connection tool settings, file transfer tool settings and all other settings including function keys to a file name that you specify.

File Transfer Prefs...

Allows you to select a new file transfer tool and settings. The XMODEM tool and the Text Tool are included with MacWise™. Other file transfer tools are available from third party sources, bulletin boards, the Internet and other online services.

The example below shows the file transfer window that appears when you select "File Transfer Prefs..." from the CommToolBox Menu. When you click and hold the pop-down menu next to the word "Protocol:", you can select from all of the available file transfer tools. The XMODEM tool is shown. You can change the timing options, transfer options and received file options to suit your needs.

❖ **Note:** Many PICK host computers do not support Xmodem or any file transfer protocol for that matter. However, you can still use the Host-To-Mac and Mac-To-Host transfer methods under the File Menu.

Call Carnation Software if you need FTP file transfer for a TCP/IP network (You will need extra tools for that.)

Send File...

Sends a file that you select from a scrolling list of files on your Mac. The file will be sent with the file transfer protocol you have selected in the File Transfer Prefs menu item.

Receive File

Receives a file from the host computer. The file will be received with the file transfer protocol you have selected in the File Transfer Prefs menu item. Make sure that the host computer is ready to send the file to you before you select Receive File.

Dial

Dials the number you have entered in the Modem Connection tool with "New Connection". You must be using the Apple Modem Tool for this to work (The Serial Tool will not dial.)

Hang Up

Hangs up the phone if you are connected with the Apple Modem tool. You must be using the Apple Modem Tool for this to work.

Listen for Call

This option puts the modem in an auto answer mode and waits for the phone to ring. It will answer the phone and establish a connection. This option may also be used for other connection tools.

Strip 8th Bit

This should be enabled for systems in the United States. It is usually disabled in European countries.

Local Echo

Only used if you are communicating with another PC in terminal emulation mode. If you are getting two characters for every one you type then disable this option. Normally this option is not enabled.

ASCII Display

For the technically minded person who wants to see the ASCII decimal values for each character that appears on the screen.

Open Connection Upon Startup

When enabled, automatically opens the connection when you start up MacWise™. It is a good idea to have this option disabled when first setting up a new connection until you are sure it is correct. This is especially true with TCP/IP connections because the IP addresses need to be set correctly.