

Release Notes For WS92 Version 4.3

Welcome to the latest release of MiniSoft 92 for Windows (version 4.3). Version 4.3 now ships with four (4) diskettes. Diskette 1 includes the 16- and 32-bit Windows emulators and the DOS version. Also on diskette 1 is the new "Link" host program WS92LINK which provides support for modem, serial, and network file transfers. Diskettes 2-4 include the Network File Transfer programs featuring both the NFT and FTP file transfer protocols. Diskettes 5 and 6 include the WinSock compliant TCP/IP stack (shipped by request) for use with Windows 3.1.

Before installing MiniSoft 92 for Windows and DOS there are a few issues to consider.

Existing MiniSoft 92 User

Existing MiniSoft 92 users who want to upgrade to the latest version but are not changing operating systems or network connections can just run SETUP.EXE and select all of the defaults. The MiniSoft 92 setup program will upgrade you with the appropriate files. NOTE: After the MiniSoft setup program has been run, Windows 95 and Windows NT users will want to reboot their PC's.

Existing MiniSoft 92 for Windows users (version 3.5 and earlier) that operate with ODI92.SYS, NDIS92.SYS, or PACK92.SYS device drivers will need to install a WinSock TCP/IP stack before using the 4.3 release of MiniSoft 92 for Windows. If you do not have a WinSock-compliant TCP/IP stack, MiniSoft has one that can be downloaded from either our BBS or FTP sites (see below for more information on downloading). The "pkzipped" files are named TGV1.ZIP and TGV2.ZIP and may be freely used with any licensed copy of MiniSoft 92 for Windows (see below for more information). MiniSoft 92 for DOS still supports the MiniSoft device drivers so there should be no change in the installation of the new DOS version.

All existing MiniSoft host link programs (ms92lnk, ms92lnk2, ms92lnk4, ms92lnk6) used for file transfer are not compatible with 4.3. The new host link program WS92LINK must be installed before performing any file transfers with the HP3000. Logon as MANAGER.SYS and then select CONFIG FILE TRANSFER. Click on the button labeled UPLOAD HOST PROGRAM. The new link program, WS92LINK, will be installed on the host computer. Refer to the MiniSoft 92 users manual for further information on installing the host programs. NOTE: DOS92 users will still want to use either ms92lnk, ms92lnk2, or ms92lnk4 host link programs.

New MiniSoft 92 User

If you already use a WinSock compliant TCP/IP stack such as the transports bundled with Windows 95, Windows NT, or Netware 4.0, then install either the 16-bit or 32-bit versions of MiniSoft 92 for Windows. Install the 16-bit when operating with Windows 3.1, Windows for Workgroups 3.11, or Windows 95. Windows NT users must install the 32-bit version. The 32-bit version can also be run with Windows 95.

Installing the MiniSoft 92 TCP/IP stack

Licensed customers of version 4.3 of MiniSoft 92 for Windows can obtain a 32-bit VxD WinSock compliant TCP/IP stack free of charge by calling MiniSoft at 800/682-0200 and requesting it, or by dialing into the MiniSoft BBS (360) 568-2817 or connecting to our FTP Internet site (FTP. MINISOFT.COM) and downloading the files TGV1.ZIP and TGV2.ZIP.

MiniSoft 92 users who do not have a TCP/IP stack already installed on their computer systems can install the MultiNet TCP/IP transport (MultiNet is the name of the TCP/IP stack from TGV, Inc.) through Windows SETUP. Available by request from MiniSoft, Disks #5 and #6 labeled "TCPIP" include this software.

NOTE: It is very important that no other TCP/IP transport is in use when the MultiNet stack is being installed. The Multinet TCP/IP should only be used with Windows 3.1.

Installing and Using WS92.EXE in a Serial or Modem Environment

MiniSoft 92 for Windows is a WinSock-compliant communications program and requires the existence of a WINSOCK.DLL before it will operate over a network or serially. If you do not plan to make network connections you can still use WS92 through serial connections by creating a WINSOCK.DLL (note: this WINSOCK.DLL cannot be used in network connections). Follow the procedure below to create the WINSOCK.DLL:

From the directory WIN92 type ---> COPY CFG92.DLL WINSOCK.DLL [RETURN]

Installing MiniSoft 92 for DOS (Version 8.7)

If you are not running a Windows capable PC you will want to install the DOS version of MiniSoft 92. The DOS version is provided on Disk #1 and installs as a part of the Windows setup (92DOS.EXE). Users without Windows can also download from our BBS or FTP Internet site DOS92 as a self-extracting file. Licensed customers of version 4.3 of MiniSoft 92 for Windows can also obtain a copy of DOS92 by calling MiniSoft at 800/682-0200.

Installing Version 4.3

To install the terminal emulators from within Windows, select RUN and then SETUP.

New Features and Enhancements for Version 4.3 (12/16/96 release date):

File Transfer Enhancements

- The install host program has been moved to the file transfer config screen.
- Consolidation of file transfer link programs into a single program, WS92LINK.
- Progress bar has been added to graphically illustrate a file transfer status (available in the 32-bit version only).
- The ability to list host files in logon current group.

Local and Network Printing

Version 4.3 has been enhanced to handle the varied requirements of Windows printing. Three print options have been supported to handle Windows 3.1, Windows 95, and Windows NT.

- Windows default printing uses the normal Windows print driver.
- Pass-through printing uses the normal Windows print driver except that all data is sent via pass-through mode. This option is used when the host expects to control the print font and the printer is shared on a Microsoft network. This is the recommended method for printing to slaved (connected directly to the PC) or networked printers when using Windows 95 or Windows NT.
- Direct To Device is an option that bypasses all Windows printing. You can directly select the output device, usually LPT1. This option uses BIOS level calls and should be used on Windows 3.1 and Windows for Workgroups 3.11.

Some additional options for printing found in the Printer Configuration menu include:

Printer Init - A string to be prefixed on the data being sent to the printer.

Printer Reset - A string to be sent to the printer prior to closing the port.

Timeout - The length of time to wait while not receiving data until the spool file is automatically closed.

Command Language

Script recorder (under File menu) has been added to record (memorize) manually entered commands and keystrokes. The script recorder is useful for automating repetitive tasks such as modem dialing. What is entered manually is saved to a disk file that can be loaded from within the terminal emulator. The recorded file can also be executed from a script.

New Commands

KBSPEC (Keyboard Special Function)

This command is used to send an HP or VT special key function. See HP and VT Key Constants tables below for lists of these functions.

KBNORM (Keyboard Normal Character)

This command is used to emulate a single character pressed on the keyboard. Use the ASCII value of the key. See XMITC.

KBSTRING (Continue Execution)

This command is used to emulate a string typed on the keyboard. See XMITS.

MDCMD (Machine Dependent Commands)

Used to control internal emulator functions. See MDCMD table.

MICMD (Machine Independent Commands)

Used to control internal emulator functions. See MICMD table.

WINTITLE

Script command WINTITLE changes main window title text.

CONTINUE [<blank> | ON | OFF]

If set to ON, the script will continue without debug messages on errors.

DIR

This command is used to check for the existence of a file or files. It is used in a host-initiated command and returns S if the file is found or F if it is not found.

R

This script command acts the same as the RECEIVE command.

SET

Emulator Configuration Options (see below).

SET DISABLE-COMP-CODES [YES | NO]

Used to set whether or not the S and F result codes are sent to the host in response to a host-initiated command (^&oC...).

SET RIGHT-MARGIN #

Used to set the margin at which the text will begin wrapping to the next line.

Machine Dependent Commands

MDCMD_COPYALL

Copy all of display memory to the Windows Clipboard.

MDCMD_PASTE

Paste text from the Windows Clipboard to the input buffer, as if it were typed by the user.

MDCMD_NEXTFKSET or MDCMD_PREVFKSET

Cycle through HP function keys (USER, SYSTEM, MODES).

MDCMD_NEXTWINSIZE

Attempt to switch to the next larger Window size.

MDCMD_PREVWINSIZE

Attempt to switch to the next smaller Window size.

MDCMD_REFRESH

Call the Windows routine for redrawing the WS92 Window.

Machine Independent Commands

MICMD_FKTOG
Function Key toggle.

MICMD_UKREST
Restore user keys.

MICMD_REDRAW
Redraw text area of screen.

MICMD_QUIT
Quit the emulator.

MICMD_HOMELEFT
Move cursor position to the first column.

MICMD_HOMERIGHT
Move cursor to the last character of the current line.

MICMD_TYPEAHEAD
Toggle type-ahead feature.

MICMD_PRINTPAGE

MICMD_BREAK

MICMD_DISC

MICMD_STOP

MICMD_PRTFF

MICMD_PRTCLOSE
Spool the file, like time out. Not the same as PRINT CLOSE.

MICMD_80
Set the number of screen columns to 80.

MICMD_132
Set the number of screen columns to 132.

MICMD_200
Set the number of screen columns to 200.

MICMD_LOGBTOG
Log Bottom toggle.

HP Key Constants

HP_PRINTKEY
HP_ENTERKEY
HP_RETRNKEY
HP_TABKEY
HP_BTABKEY
HP_HOMEUKEY
HP_HOMEDKEY
HP_CURSUKEY
HP_ROLLUKEY
HP_CURSDKEY
HP_ROLLDKEY
HP_CURSRKEY
HP_CURSLKEY
HP_NEXTKEY
HP_PREVKEY
HP_CLRLKEY
HP_CLRDKEY
HP_INSLKEY
HP_INSCKEY
HP_DELLKEY
HP_DELCKEY
HP_STOPKEY
HP_BREAKKEY
HP_HRSETKEY
HP_SRSETKEY
HP_USERKEY
HP_MENUKEY
HP_UMENUKEY
HP_BSKEY
HP_DELKEY
HP_F1KEY
HP_F2KEY
HP_F3KEY
HP_F4KEY
HP_F5KEY
HP_F6KEY
HP_F7KEY
HP_F8KEY
HP_COMMAKEY
HP_INSWRAPKEY

VT KEY CONSTANTS

VT_BSKEY
VT_TABKEY
VT_RETRNKEY
VT_FINDKEY
VT_INSERTKEY
VT_REMOVEKEY
VT_SELECTKEY
VT_PREVKEY
VT_NEXTKEY
VT_CURSUKEY
VT_CURSDKEY
VT_CURSRKEY
VT_CURSLKEY
VT_NUM_0_KEY
VT_NUM_1_KEY
VT_NUM_2_KEY
VT_NUM_3_KEY
VT_NUM_4_KEY
VT_NUM_5_KEY
VT_NUM_6_KEY
VT_NUM_7_KEY
VT_NUM_8_KEY
VT_NUM_9_KEY
VT_MINUS_KEY
VT_COMMA_KEY
VT_PERIOD_KEY
VT_ENTERKEY
VT_PF1KEY
VT_PF2KEY
VT_PF3KEY
VT_PF4KEY
VT_F1KEY
VT_F2KEY
VT_F3KEY
VT_F4KEY
VT_F5KEY
VT_F6KEY
VT_F7KEY
VT_F8KEY
VT_F9KEY
VT_F10KEY
VT_F11KEY
VT_F12KEY
VT_F13KEY
VT_F14KEY
VT_F15KEY
VT_F16KEY
VT_F17KEY
VT_F18KEY
VT_F19KEY
VT_F20KEY
VT_SHIFTF6KEY

VT_SHIFTF7KEY
VT_SHIFTF8KEY
VT_SHIFTF9KEY
VT_SHIFTF10KEY
VT_SHIFTF11KEY
VT_SHIFTF12KEY
VT_SHIFTF13KEY
VT_SHIFTF14KEY
VT_SHIFTF15KEY
VT_SHIFTF16KEY
VT_SHIFTF17KEY
VT_SHIFTF18KEY
VT_SHIFTF19KEY
VT_SHIFTF20KEY
VT_BTABKEY
VT_DELKEY

User Interface

Improvements to the 13x7 font for users operating in 132-column display mode on an SVGA video display (600 X 800). The font has been lengthened by 2 pixels and made slightly thinner.

On-line help has been expanded to cover every major MiniSoft 92 menu screen and function. New HELP buttons have been added to most major screens.

Install host program has been relocated to the File Transfer Configuration screen. All the Printer setup and font selections have been relocated under the Config pull-down menu. Emulation option moved to Config menu. Font option moved to Config menu. DDE now in special config screen.

Progress bar has been added to graphically illustrate a file transfer status (available in the 32-bit version only).

200-column horizontal scrolling has been incorporated. A horizontal scroll bar displays at the bottom of the display screen when this option is selected. This feature can be selected from the Screen Configuration Menu.

40-line vertical display has been added to allow users to display more than the Hewlett Packard terminals' 24 lines (available in the 32-bit version only). This feature can be selected from the Screen Configuration Menu.

Host Config has option to show host files. If selected, host files are shown automatically on entering file transfer screen.