PASSPORT
Technical Reference

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Introduction

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Overview and System Requirements

PASSPORT PC TO HOST is an IP-based, multi-host terminal emulation suite that provides access to IBM mainframe, AS/400 and UNIX host applications using TN3270E, TN5250E,VT100, VT220, SCO ANSI, WYSE-60 and FTP clients. Designed for Microsoft Windows, including Windows XP and 2000, the product is used to displace Attachmate EXTRA!, IBM Personal Communications, NetManage Rumba and WRQ Reflections for host connectivity.

Besides advanced terminal emulation, the feature-rich program also includes robust APIs and scripting capabilities for integration with the 3270, 5250, VT, SCO ANSI or WYSE-60 session. Two Zephyr toolkits, the PASSPORT HLLAPI Toolkit and the PASSPORT Object Toolkit, can be used to automate routine application tasks, including data entry, the extraction of host information and more.

Despite the long list of services provided by the application, PASSPORT PC TO HOST includes a small 8 MB footprint, making it easy to deploy electronically. The application can also be deployed from Citrix Metaframe and/or Microsoft Terminal Server.

System Requirements

- Windows XP, 2000, NT 4.0, 98 or 95
- Minimum of 16 MB memory
- 8.0 MB disk space
- TCP/IP connection to IBM Host, AS/400, VT, SCO ANSI or WYSE-60 Host
- Windows Sockets version 1.1 or higher

Terminal and Host Printer Emulation

- IBM 3278/79 Model 2 (24 x 80 full screen display)
- IBM 3278/79 Model 3 (32 x 80 full screen display)
- IBM 3278/79 Model 4 (43 x 80 full screen display)
- IBM 3278/79 Model 5 (27 x 132 full screen display)
- IBM 3472G, 3192G, 3179G Model 2 (24 x 80 with vector graphics)
- IBM 3472G, 3192G, 3179G Model 3 (32 x 80 with vector graphics)
- IBM 3279 S3G Model 3 (32 x 80 with programmed symbols)
- IBM 3287 LU 1 and 3 host printers for IBM Mainframes
- IBM 3179-2 Model 2 and 3477-FC Model 5 for AS/400
- IBM 3812 AS/400 printer emulation
- DEC VT52
- DEC VT100
- DEC VT220
- SCO ANSI

- WYSE-60

Major Features

- TN3270 and TN3270E emulation
- TN5250 and TN5250E emulation
- VT52, VT100 and VT220 emulation
- SCO ANSI emulation
- WYSE-60 emulation
- File Transfer FTP Client
- Up to 26 sessions per PC, depending upon system resources
- Ability to access multiple hosts
- Small 8.0 MB footprint
- Host printing through TN3270E or TN5250E client
- APA Graphics including vector support and programmed symbols (A-F)
- Fast IND$FILE file transfer
- SLP (Service Location Protocol) load balancing
- Hot back up for connection to alternate IP host names
- HLLAPI interface available for 3rd party applications (16-bit and 32-bit)
- Object Oriented API compatible with Attachmate EXTRA! ® Objects API
- Macro run, record, and edit to automate routine functions (Visual Basic Script interface)
- Secure Socket Layer (SSL) security (optional)
- European Currency symbol support
- Ability to use SMS, MSI, Citrix, Microsoft Terminal Server and other deployment methods

General Features

- Ability to open, save, and create new session profiles
- Ability to save layouts of multiple sessions
- Ability to lock and secure session profiles with password
- Use of full screen for host display
- Extended attributes provide 7 color display, underline, reverse video
- APL character set for display
- Visual Basic Script language compatibility for macros
- Toolbar for easy access to common emulator functions

- Font size automatically adjusts to Window size
- Fast bit-mapped terminal fonts and Windows True Type fonts
- Colors can be modified for base and extended colors, OIA line, and screen background
- Cut, copy, copy append, paste and paste continue text
- Block, stream and field modes for paste text
- Hotspots and Hotspot customization
- Mouse button customization
- Toolbar customization
- Underline and Block cursor
- Cursor blink (block or underline)
- Cursor ruler (cross hair guide)
- Cursor toggle during Insert mode
- Host connection time-out parameter
- Dynamic screen size configuration
- Diagnostic trace facility
- Numeric field checking
- VT scroll back buffer
- VT text color support

Supported TN3270 and TN3270E Connections

- IBM OS/390
- IBM MVS TCP/IP
- IBM VM TCP/IP
- Connectivity Systems TCP/IP for IBM VSE
- Barnard Systems TCP/IP for IBM VSE
- Cisco TN3270 Server for CIP
- Novell NetWare for SAA and intraNetWare for SAA
- Microsoft SNA Server
- IBM Communications Server
- Others (compliant with IETF RFC 1576 and 2355)

TN3270E Support

- Full compliance with IETF RFC 1576 TN3270 specifications

- Full compliance with IETF RFC 2355 TN3270E specifications
- Support for connection to generic, dedicated, pooled, and associated LUs
- Full support for NVT, SSCP-LU, and LU-LU sessions
- Auto-Reconnect feature
- TN3270E Responses enable/disable feature

Supported TN5250 Connections

- IBM OS/400
- Others compliant with IETF RFC 1205

Supported VT52, VT100, VT220 Connections

- All compliant with DEC VT protocol over TCP/IP

Supported SCO ANSI Connections

- All compliant with SCO ANSI protocol over TCP/IP

Supported WYSE-60 Connections

- All compliant with WYSE-60 protocol over TCP/IP

Supported Keyboards and Layout

- IBM Enhanced 101/102 keyboard
- Key Tronic KB3270 Plus 122 key keyboard
- IBM PC/3270 keyboard layout
- PASSPORT keyboard layout
- DCA IRMA E78 keyboard layout
- Attachmate EXTRA! keyboard layout
- Custom keyboard layout
- Wall Data Rumba keyboard layout
- Multi-national keyboard support

Miscellaneous Keyboard Features

- Interactive keyboard customization
- Assignment of macros to specific key combinations
- Fast access to view of keyboard layout
- Type ahead
- Select areas of text using keyboard shifted arrow keys
- Automatic reset of X Inhibit condition using arrow keys

- Jump directly to a session using keyboard keys

Keypads

- Pop-up keypad accesses common host keys and macros with a single mouse click
- Interactive keypad customization

File Transfer

- IND$FILE file transfer
- Presentation Space and Structured Field IND$FILE transfer methods
- Text, binary, and custom file transfer types
- FTP file transfer

APA Graphics Support (TN3270 and TN3270E only)

- Program Symbol Sets A through F are fully supported
- Terminal Resolution and High Resolution support
- Graphics input cursor
- 4 different graphics input cursor types
- Ability to copy graphics to clipboard

HLLAPI

- 16-bit and 32-bit WinHLLAPI DLL interface
- Compliant with Windows HLLAPI version 1.1
- HLLAPI short name can be automatically selected or manually specified
- HLLAPI Trace facility
- Attachmate EXTRA!® Object API support

Screen Printing

- Host screens can be printed to local or LAN attached printers
- Host screens can be printed to a disk file

Macro Scripting Language

- Macro scripting language uses Visual Basic Scripting syntax
- Recorded macros can be used as Visual Basic programs with minor modification
- Start-up macro can be configured to automatically run upon connection to host
- Macros can be used to start other Windows applications

- Macros can be assigned to a key on the keyboard, keypad, toolbar or mouse button
- Attachmate EXTRA!® Macros can be converted to work with PASSPORT

FTP Client

- Full compliance with IETF RFC 959 file transfer protocol specifications
- Asynchronous interface to Windows sockets TCP/IP driver results in fastest file transfer data rate possible with minimum amount of system resources
- Multiple host profiles can be created and selected easily as needed
- Send and receive file transfer can be initiated in multiple ways, including drag and drop and cut/copy/paste commands
- Look and feel of Windows Explorer with menu bar, toolbar, status bar, three window panes (PC directory structure and file list, host directory structure and file list, connection log and error messages) that can be interactively resized and displayed as icons, details or list
- Files and icons can be sorted by size, date, type, permission, owner and group and can be automatically arranged

Getting Started

Installation

Standard PC Installation

The standard PC installation method installs PASSPORT to the hard disk of a computer and is intended for use by an individual at a single PC workstation. It is strongly recommended that you exit all Windows programs before running the Setup program! PASSPORT requires less than 8 MB of disk space for a standard installation.

To begin the installation, run one of the following installation programs from **Start→Run**:

- **Setup.exe** from the E:\DISK1 directory, if installing from CD-ROM in the E: drive.
- **Pass32.exe** from your download directory, if downloaded from the Internet.

Welcome Screen
The Setup program displays a welcome screen describing general information about the PASSPORT installation procedure. Click **Next** to continue to the next screen or click **Cancel** to exit the installation.

Software License Agreement
This displays the software license agreement. You need to read and agree to all terms before proceeding with the rest of the installation. Click **Yes** to continue to the next screen or click **No** to exit the installation.

User Information
This box allows you to put in the **Name** and **Company** you work for and the **License** code given to you by Zephyr at downloading time or on the sleeve of your CD. You must have a valid license code in order to proceed with the installation.

Note: If a license code was emailed to you from Zephyr, it is recommended that you copy and paste this license code into the **License** field to avoid typing errors.

Select Installation Type
Select the **Standard Installation** option displayed in the list box. This will install the entire program to your computer.

Choose Destination Location
This screen allows you to choose the directory where you would like to install PASSPORT. If you wish to change the installation directory, click the **Browse** button, which will allow you to select another directory.

Note: If the Setup program detects a previously installed version of PASSPORT, it will prompt you to overwrite your existing installation.

Select Program Folder
This screen allows you to choose the program group on the Windows Start Menu where PASSPORT will be launched. The default location is **PASSPORT Client**.

Setup Complete
Make sure that your communications device driver software is installed and working properly. At

this point you can choose one or both of the following options:

- **View the README file now**
- **Launch PASSPORT now**

MSI Installation

The MSI installation method installs PASSPORT to the hard disk of a computer and is intended for use by an individual at a single PC workstation. It is strongly recommended that you exit all Windows programs before running the Windows Installer Package! PASSPORT requires less than 8 MB of disk space for an MSI installation.

To begin the installation, run the Passport.msi installer package from **Start→Run**.

Welcome Screen
The Setup program displays a welcome screen describing general information about the PASSPORT installation procedure. Click **Next** to continue to the next screen or click **Cancel** to exit the installation.

License Agreement
This displays the software license agreement. You need to read and agree to all terms before proceeding with the rest of the installation. Choose the "I accept the license agreement" radio button and click **Next** to continue, **Back** to return to the previous screen or **Cancel** to exit.

User Information
This box allows you to put in the **Full Name**, **Organization** and **License Code** given to you by Zephyr at downloading time or on the sleeve of your CD. You must have a valid license code in order to proceed with the installation.

Note: If a license code was emailed to you from Zephyr, it is recommended that you copy and paste it into the **License Code** field to avoid typing errors.

By default PASSPORT will be installed for use by all users, however you may select the "Only for me" radio button to install only for the current user. Click **Next** to continue, **Back** to return to the previous screen or **Cancel** to exit.

Destination Folder
This screen allows you to choose the directory where you would like to install PASSPORT. If you wish to change the installation directory, click the **Browse** button, which will allow you to select another directory.

Note: If the Setup program detects a previously installed version of PASSPORT, it will prompt you to overwrite your existing installation. If the same version is detected, you will be prompted to remove or repair the application.

After selecting a destination folder, click **Next** to continue, **Back** to return to the previous screen or **Cancel** to exit.

Click **Next** to continue, **Back** to return to the previous screen or **Cancel** to exit. Clicking Next here will cause the setup program to start copying files.

Setup Complete
Make sure that your communications device driver software is installed and working properly. At this point you can choose one or both of the following options:

- **View the README file now**
- **Launch PASSPORT now**

Click the **Finish** button to complete the installation and close the setup program.

Network File Server Installation

PASSPORT can be installed on a network file server. Once installed, all network clients accessing the server can share PASSPORT. This method of installation is easy to administer, maintain, and update. PASSPORT requires approximately 9 MB of disk space on the network file server. All .exe and .dll files are stored on the network file server. Only user configuration files are stored on the client, which is a minimal amount of disk space. Each session profile or configuration file is approximately 1K in size.

Note: the network file server installation is not available when using the Passport.msi Windows Installer Package to install PASSPORT.

There are two parts to a network file server installation:

1. You must first install PASSPORT on the file server using the Setup program.
2. Once loaded, you must install PASSPORT to each network client by logging on to the network file server and running the Netsetup program from the PASSPORT directory.

To begin the installation, run one of the following installation programs from **Start→Run**:

- **Setup.exe** from the E:\DISK1 directory, if installing from CD-ROM in E: drive.
- **Pass32.exe** from your download directory, if downloaded from the Internet.

Welcome Screen
The Setup program displays a welcome screen describing general information about the PASSPORT installation procedure. Click **Next** to continue to the next screen or click **Cancel** to exit the installation.

Software License Agreement
This displays the software license agreement. You need to read and agree to all terms before proceeding with the rest of the installation. Click **Yes** to continue to the next screen or click **No** to exit the installation.

User Information
This box allows you to put in the **Name** and **Company** you work for and the **License Code** given to you by Zephyr at downloading time or on the sleeve of your CD. You must have a valid license code in order to proceed with the installation.

Note: If a license code was emailed to you from Zephyr, it is recommended that you copy and paste this license code into the **License** box to avoid typing errors.

Select Type of Installation
Select the **Network File Server Installation** option in the list box. This will copy all PASSPORT files to the network file server.

Choose Destination Location
This screen allows you to choose the directory where you would like to install PASSPORT. If you wish to change the installation directory, click **Browse**, which will allow you to select another directory.

If the Setup program detects a previously installed network file server version of PASSPORT, it will prompt you to overwrite your existing installation.

If the Setup program detects that a PASSPORT network file server was installed from a different workstation, it will warn you to select a different folder. If the original folder must be used, the Uninstall program must be run from the original workstation.

Setup Complete
To install PASSPORT to a client, you must now run **Netsetup.exe** from the directory in which the network file server version of PASSPORT was installed.

Network Client Installation

To install PASSPORT to a network client from a network, you must first log on to your network file server. You must then run the **Netsetup.exe** program from the directory where the network file server version of PASSPORT has been installed.

Welcome Screen
The Setup program displays a welcome screen describing general information about the PASSPORT installation procedure. Click **Next** to continue to the next screen or click **Cancel** to exit the installation.

Software License Agreement
This displays the software license agreement. You need to read and agree to all terms before proceeding with the rest of the installation. Click **Yes** to continue to the next screen or click **No** to exit the installation.

Choose Destination Location
This screen allows you to choose the directory where you would like to install PASSPORT. If you wish to change the installation directory, click **Browse**, which will allow you to select another directory.

If the Setup program detects a previously installed standard installation of PASSPORT, it will warn you to uninstall first.

If the Setup program detects a previously installed network installation of PASSPORT, it will prompt you to overwrite your existing installation.

Setup Complete
Make sure that your communications device driver software is installed and working properly. At this point you can choose one or both of the following options:

- **View the README file now**
- **Launch PASSPORT now**

Advanced Installation Issues

Note: none of the installation options described below are available when using the Passport.msi Windows Installer Package to install PASSPORT.

Automated Installation

- **Standard Installation**
  PASSPORT can be installed with standard options using the auto-install feature. You can execute a "silent installation" of PASSPORT by running the command below from the Windows START/RUN dialog box using the following parameters:

  "…\PASSPORT\Setup.exe" –wXXXX-XXXX-XXXX-XXXX -s

  The **XXXX-XXXX-XXXX-XXXX** is the license code provided to you by Zephyr. PASSPORT uses default settings and performs a standard installation without prompting for user options.

  Notes:

- Pay extra attention to all spaces within the command. The installation will not run if spacing is not correct. If performing an automated install, make sure the following system DLL's do not have the read-only attribute applied, since the setup program must update these:

  mfc42.dll
  msvcrt.dll

  - When setup is complete, the PASSPORT application will automatically start. If the program does not start, then a problem was encountered during setup. In this case, check the PassErr.log file located in the root directory of the drive where Windows is installed.

  - In some cases Windows system DLL's must be updated the PASSPORT setup program, which requires a reboot after setup has completed. If the setup program requires the workstation to reboot after a silent install, you may prevent an automatic reboot by adding a **-n** switch before the **-s** switch. For example:

    "…\PASSPORT\Setup.exe" -wXXXX-XXXX-XXXX-XXXX -n -s

- **Network Client Installation**
  Once you have installed PASSPORT on the network file server, you can auto-install network clients by running the command line below from the Windows START/RUN dialogue box:

  "…\PASSPORT\Netsetup.exe" -s

  The PASSPORT client is installed using default settings and without prompting for user options.

  Notes:

- Pay extra attention to all spaces within the command. The installation will not run if spacing is not correct.

- When setup is complete, the PASSPORT application will automatically start.

By running the auto-installation (either standard or network), you are agreeing to the terms and conditions of the license agreement.

Modifying Communication Configuration Settings

PASSPORT stores session configuration information in binary files with .zws extensions. For each of these standard configuration files, PASSPORT also creates an editable text file with a .zcc extension. This file contains the communication settings used to connect to the host. The settings correspond to the fields in the **Connection** tab of the Communication Setup dialog box. By editing this file with any text editor, administrators can change the connection settings for a session without actually running PASSPORT. This can be useful in cases when an administrator needs to change or distribute a communication configuration for a group of users.

Whenever a session is saved in PASSPORT, its corresponding *.zcc file is saved as well. If a *.zcc file is edited and saved using a text editor, the *.zcc file will update the settings in the *.zws file with the current connection settings when a PASSPORT session is started using the corresponding *.zws file.

Note: The value entered for each initialization setting must be valid for its corresponding field in the **Connection** tab. If an incorrect value is used while editing a *.zcc file, the incorrect value is ignored and the value for that setting is provided by the corresponding *.zws file.

Sample .ZCC File

The following is an example of a .zcc file:

[Connection]

IPHostName=206.105.25.3

TCPPort=23

EmulType=TN3270

TimeOut=10

TN3270ESupport=Yes

ConnectMethod=Specific

ResourceName=PUBLIC

SessionType=Display

3270ScreenSize=2

ExtendedAttributes=No

AutoReconnect=No

TN3270EResponseSupport=Yes

Security=None

DeviceTypeOverride=

VTBufferSize=24

ContentionResolution=No

NonSNACmdChaining=No

SLPLoadBalancing=No

SLPScope=

SLPMulticast=10

SLPDiscovery=0

SLPAS400=

HotBackUp=No

HotBackUpListSize=0

HLLAPIType=Auto

HLLAPIShortName=

HLLAPILongName=Session

SSLAcceptSelfSigned=No

SSLAcceptExpired=No

SSLAcceptNotYetValid=No

SSLAcceptInvalid=No

ShowSSLWarning=Prompt

GraphResolution=High

ProgramSymbolSet=PSAB

EnableGrafBuf=Yes

GrafBufSize=512

DSTrace=Yes

LLTrace=Yes

HLLAPITrace=No

HostCodePage=037

KeepAlive=No

KeepAliveTimer=15

KeepAliveSequence=NOP

EnableStartupMacro=No

StartupMacroName=C:\Program Files\PASSPORT\MyStartupMacro.zmc

StartupMacroRunOnce=Yes

SuppressErrMsg=No

IBMMSGQNAME=QSYSOPR

IBMMSGQLIB=*LIBL

IBMFONT=Courier 10

IBMFORMFEED=Autocut

IBMTRANSFORM=No

IBMMFRTYPMDL=*NONE

IBMPPRSRC1=*MFRTYPMODEL

IBMPPRSRC2=*NONE

IBMENVELOPE=*NONE

IBMASCII899=No

IBMWSCSTNAME=

IBMWSCSTLIB=

Description of parameter values for the .ZCC file:

[Connection]

IPHostName=<text string representing the IP address or Host Name>

TCPPORT=<numeric value between 1 and 65535>

EmulType=TN3270, **TN5250**, **VT52**, **VT100, VT220-7, VT220-8, ANSI or WYSE**

TimeOut=<number indicating connection time out value in seconds>

TN3270Esupport=Yes or **No**

ConnectMethod=Generic or **Specific** or **Associated**

ResourceName=<text string 0 to 8 characters in length>

SessionType=Display or **Printer**

3270ScreenSize=2 or **3** or **4** or **5** or **Dynamic**

ExtendedAttributes=Yes or **No**

AutoReconnect=Yes or **No**

TN3270EresponseSupport=Yes or **No**

Security=None or **SSL**

DeviceTypeOverride=<text string>

VTBufferSize=<numeric value between 24 and 2000>

ContentionResolution=Yes or **No**

NonSNACmdChaining=Yes or **No**

SLPLoadBalancing=Yes or **No**

SLPScope=<text string representing name of scope as defined on host>

SLPMulticast=<numeric value between 0 and 60000>

SLPDiscovery=<numeric value between 0 and 60000>

SLPAS400=<text string representing name of AS/400 host>

HotBackUp=Yes or **No**

HotBackUpListSize=<numeric value representing number of entries in Hot Backup list>

HLLAPIType=Auto or **Manual**

HLLAPIShortName=<text character representing HLLAPI Short Name>

HLLAPILongName=<text string representing HLLAPI Long Name>

SSLAcceptSelfSigned=Yes or **No**

SSLAcceptExpired=Yes or **No**

SSLAcceptNotYetValid=Yes or **No**

SSLAcceptInvalid=Yes or **No**

ShowSSLWarning=Ignore or **Prompt** or **Stop**

GraphResolution=Terminal or **High**

ProgramSymbolSet=None or **PSAB** or **PSAF**

EnableGrafBuf=Yes or **No**

GrafBufSize=<numeric value between 128 and 1024>

DSTrace=Yes or **No**

LLTrace=Yes or **No**

HLLAPITrace=Yes or **No**

HostCodePage=<numeric value representing the Host Code Page>

KeepAlive=Yes or **No**

KeepAliveTimer=<numeric value between 1 and 1440>

KeepAliveSequence=NOP or **TM**

EnableStartupMacro=Yes or **No**

StartupMacroName=<text string representing path and file name of PASSPORT macro>

StartupMacroRunOnce=Yes or **No**

SuppressErrMsg=Yes or **No**

IBMMSGQNAME=<text string representing name of 5250 message que>

IBMMSGQLIB=<text string representing name of 5250 message library>

IBMFONT=<text string representing name of host font>

IBMFORMFEED=Autocut or **Continuous** or **Cut**

IBMTRANSFORM=Yes or **No**

IBMMFRTYPMDL=<text string representing printer model>

IBMPPRSRC1=<text string representing the paper size for printer source #1>

IBMPPRSRC2=<text string representing the paper size for printer source #2>

IBMENVELOPE=<text string representing the paper size for envelopes>

IBMASCII899=Yes or **No**

IBMWSCSTNAME=<text string representing the name of the AS/400 customizing object>

IBMWSCSTLIB=<text string representing the name of the AS/400 customizing object library>

Automatic Installation using Zipped Program Executable File

PASSPORT can be unpacked and installed using default settings. No user interaction is required for this installation process. To perform an automatic or silent installation from Pass32.exe (downloaded self executable program), execute the command from the Windows START/RUN dialogue box using the following parameters:

"...\PASSPORT\Pass32.exe" -s -a -wXXXX-XXXX-XXXX-XXXX -s

The **XXXX-XXXX-XXXX-XXXX** is the license code provided to you by Zephyr. PASSPORT uses default settings and performs a standard installation without prompting for user options.

Notes:

- Pay extra attention to all spaces within the command. The installation will not run if spacing is not correct. If performing an automated install, make sure the following system DLL's do not have the read-only attribute applied, since the setup program must update these:

  mfc42.dll
  msvcrt.dll

- In some cases Windows system DLL's must be updated by the PASSPORT setup program, which requires a reboot after setup has completed. If the setup program requires the workstation to reboot after a silent install, you may prevent an automatic reboot by adding a **-n** switch before the last **-s** switch. For example:

  "...\PASSPORT\Pass32.exe" -s -a -wXXXX-XXXX-XXXX-XXXX -n -s

CONFIG Directory Options for Network Installations of PASSPORT

PASSPORT File Server and Network Client Installations

1. Install PASSPORT on the server, using the Network File Server Installation.
2. Assuming the installed directory is L:\PASSPORT, create a CONFIG directory under the directory L:\PASSPORT.
3. Copy desired PASSPORT configuration files into the CONFIG directory.

   L:\PASSPORT\CONFIG*.zws

   *.zmc

   *.zhs

   .

.

.

4. Perform Network Client install using L:\PASSPORT\NetSetup.exe.
5. Configuration files in the CONFIG directory will be copied to the PC during the installation process.

PASSPORT Full Installation from a Local Shared Drive

1. Copy an image of the PASSPORT CD to a network local shared drive. For example, L:\PASSPORT.
2. Create a CONFIG directory under the directory L:\PASSPORT.
3. Copy desired PASSPORT configuration files into CONFIG directory.

L:\PASSPORT\DISK1

\DISK2

\DISK3

\CONFIG*.zws

*.zmc

*.zhs

.

.

.

4. Install PASSPORT on local PC from network local shared drive by running L:\PASSPORT\DISK1\SETUP.EXE.
5. Configuration files in the CONFIG directory will be copied to the PC during the installation process.

Notes:

- Even when automatic installation method is used, configuration files will still be copied during setup if a CONFIG directory exists.
- Configuration files must be created and saved using an active session of PASSPORT. Once configuration files are created, they may be copied to the CONFIG directory.

PASSPORT Configuration Files

File Extension	Function	Type	Edit File?
*.ZWS	User Settings	Binary	No
*.ZCC	Comm Settings	Text	Yes
*.ZMC	Macro	Text	Yes
*.ZTB	Tool Bar	Binary	No
*.BAT	Session Layout	Text	Yes
*.ZFT	FTP Settings	Binary	No
*.ZKB	Keyboard	Binary	No
*.ZHS	Hot Spots	Text	Yes
*.ZKP	Key Pad	Text	Yes
*.ZCS	Color Scheme	Text	Yes
*.IMG	Toolbar Image	Binary	No

Uninstalling PASSPORT

The PASSPORT Uninstall program can be used to uninstall both the standard PC installation and the network client PC installation. The network file server version of PASSPORT cannot be uninstalled using this method.

To uninstall PASSPORT using the PASSPORT Uninstall program

1. Point to **Programs** on the **Start** menu, and then point to the **PASSPORT** folder.
2. Click **Uninstall PASSPORT**.
3. Follow the menu prompts to remove PASSPORT from your system.

You can also use the Add/Remove Programs icon in the Control Panel to uninstall PASSPORT. This method can be used to uninstall both the standard PC installation and the network client PC installation.

Note: The network file server version of PASSPORT must be uninstalled using this method. Also, the network file server version of PASSPORT must be uninstalled from the same PC on which it was installed.

To uninstall PASSPORT using the Add/Remove Programs icon in the Control Panel

1. Point to **Settings** on the **Start** menu, and then click **Control Panel**.
2. Double-click the Add/Remove Programs icon.
3. Select PASSPORT from the programs listed in the list box.
4. Click the **Add/Remove** button.
5. Follow the menu prompts to remove PASSPORT from your system.

Getting a Host Connection

Starting PASSPORT

Several standard methods can be used to start PASSPORT. All of these methods are consistent with the new standards of launching programs in Windows.

To start PASSPORT using the Start menu

1. Click the **Start** button, and then point to **Programs**.
2. Point to the PASSPORT Client program folder, and then click the PASSPORT PC TO HOST icon.

To start PASSPORT using Windows Explorer

1. Start Explorer.
2. Navigate to the default PASSPORT folder (this is where PASSPORT was installed).
3. Double-click the PASSPORT.exe file.

To start PASSPORT with a specific session profile

Once you have saved various session profiles as Zephyr Work Station (.zws) files, you can just double-click these session profiles. The PASSPORT.exe file automatically runs with the session profile as the filename parameter.

1. Start Explorer.
2. Navigate to the default PASSPORT folder or to the folder designated to store session profiles (.zws files).
3. Double-click the .zws file of your choice, such as PASSPORT.zws.

Note: When you initially install PASSPORT, no session profiles (.zws files) are available. You must create and save these files yourself.

To start multiple PASSPORT sessions from the Windows Desktop

Once you have located the session layout icon on your desktop, simply double click on the icon. This will start multiple PASSPORT sessions.

Note: In order to start multiple PASSPORT sessions this way, you must have previously used the **File→Save Layout** menu command.

Getting a TN3270 Session

When you start PASSPORT for the first time, the **Communication Setup** dialog box will automatically be displayed. You must configure each of the items in the **Connection** tab in order to establish a TN3270 session.

To configure a TN3270 session

1. Select **TN3270** for the **Emulation Type**.
2. Enter the **IP Host Name** or address assigned to the TN3270 server that you are connecting to. If you do not know what to enter here, you can obtain this information from your system administrator.
3. Select the appropriate screen size in the **Screen Size** area. This is very important to configure correctly. If you select a size not supported by the host, you will not be able to make a connection.
4. Select **Extended Attributes** and **Auto Reconnect** to enable these options.

   The other configuration parameters should be set to their default values, unless you are otherwise instructed to configure something differently by your system administrator.
5. Click **Connect**. The host screen should appear with a **Tn** symbol in the OIA status line, indicating that the TN3270 session is connected.

Getting a TN3270E Session

In addition to basic TN3270 emulation, PASSPORT supports extended TN3270 emulation. TN3270E sessions provide several advanced emulation features over basic 3270 sessions:

- TN3270E Attention and System Request key support
- Support for use of specific LUs, associated LUs, and LU pools
- IBM 3287 LU1 and LU3 host printing support
- SSCP-LU session support
- SNA BIND and UNBIND support
- SNA-like response support

When you start PASSPORT for the first time, the **Communication Setup** dialog box will automatically be displayed. You must configure each of the items in the **Connection** tab in order to establish either a TN3270E display or printer session.

To configure a TN3270E display session

1. Select **TN3270** for the **Emulation Type**.
2. Enter the **IP Host Name** or address assigned to the TN3270E server that you are connecting to. If you do not know what to enter here, you can obtain this information from your system administrator.
3. Select **Display** in the **Session Type** area. The default session type is **Display**.
4. Select the **TN3270E Support** check box to enable TN3270E support.
5. If you have been assigned a device or pool name by your system administrator, select the **Specific** option in the **TN3270E Support** area, and then fill in the **Resource Name** field. Otherwise, use the default **Generic** method. Ask your system administrator if you are not sure.
6. Select the appropriate screen size in the **Screen Size** area. This is very important to configure correctly. If you select a size not supported by the host, you will not be able to make a connection.
7. If you are using the IBM Communication Server for your TN3270E server, select the **Enable TN3270E Response Support** check box.
8. Select **Extended Attributes** and **Auto Reconnect** to enable these options.
9. Click **Connect**. The host screen should appear with a **Te** symbol in the OIA status line, indicating that the TN3270E display session is connected.

To configure a TN3270E printer session

1. Select **TN3270** for the **Emulation Type**.
2. Enter the **IP Host Name** or address assigned to the TN3270E server that you are connecting to. If you do not know what to enter here, you can obtain this information from your system administrator.
3. Select **Printer** in the **Session Type** area. Options not applicable for printer sessions will become unavailable.

4. Select the **Specific** or **Associated** option in the **Connection Method** area, and then fill in the **Resource Name** field. Ask your system administrator if you are not sure.

   Note: Although you can use a **Generic** LU connection to establish a TN3270E printer session, it is not recommended.

5. Select **Auto Reconnect** to enable this option.

6. Click **Connect**. A list of Windows printers should appear, indicating the connection status and host address on the status bar.

Getting a TN5250 Session

When you start PASSPORT for the first time, the **Communication Setup** dialog box will automatically be displayed. You must configure each of the items in the **Connection** tab in order to establish a TN5250 session.

To configure a TN5250 session

1. Select **TN5250** for the **Emulation Type**.
2. Enter the **IP Host Name** or address assigned to the TN5250 server that you are connecting to. If you do not know what to enter here, you can obtain this information from your system administrator.
3. Select the appropriate screen size in the **Screen Size** area. This is very important to configure correctly. If you select a size not supported by the host, you will not be able to make a connection.
4. Select **Auto Reconnect** to enable this option. This will allow an automatic connection to the host when the session is started. If this option is left disabled, you will be required to manually connect after starting the session.

   The other configuration parameters should be set to their default values, unless you are otherwise instructed to configure something differently by your system administrator.
5. Click **Connect**. The host screen should appear with a **Tn** symbol in the OIA status line, indicating that the TN5250 session is connected.

Getting a TN5250E Session

In addition to basic TN5250 emulation, PASSPORT supports extended TN5250 emulation. TN5250E sessions provide support for connections to a specific LU or LU pool. TN5250E LU names are only supported for display sessions.

When you start PASSPORT for the first time, the **Communication Setup** dialog box will automatically be displayed. You must configure each of the items in the **Connection** tab in order to establish either a TN5250E display or printer session.

To configure a TN5250E display session

1. Select **TN5250** for the **Emulation Type**.
2. Enter the **IP Host Name** or address assigned to the TN5250E server that you are connecting to. If you do not know what to enter here, you can obtain this information from your system administrator.
3. Select **Display** in the **Session Type** area. The default session type is **Display**.
4. Select the **TN5250E Support** check box to enable TN5250E support.
5. If you have been assigned a device or pool name by your system administrator, fill in the **Resource Name** field. Otherwise, leave blank to connect to a generic pool. Ask your system administrator if you are not sure.
6. Select the appropriate screen size in the **Screen Size** area. This is very important to configure correctly. If you select a size not supported by the host, you will not be able to make a connection.
7. Click **Connect**. The host screen should appear with a **Tn** symbol in the OIA status line, indicating that the TN5250E display session is connected.

To configure a TN5250E printer session

1. Select **TN5250** for the **Emulation Type**.
2. Enter the **IP Host Name** or address assigned to the TN5250E server that you are connecting to. If you do not know what to enter here, you can obtain this information from your system administrator.
3. Select **Printer** in the **Session Type** area. Options not applicable for printer sessions will become unavailable.
4. Select the **Specific** or **Associated** option in the **Connection Method** area, and then fill in the **Resource Name** field. Ask your system administrator if you are not sure.
5. Select **Auto Reconnect** to enable this option.
6. Click **Connect**. A list of Windows printers should appear, indicating the connection status and host address on the status bar.

Getting a VT Session

When you start PASSPORT for the first time, the **Communication Setup** dialog box will automatically be displayed. You must configure each of the items in the **Connection** tab in order to establish a VT52, VT100 or VT220 session.

To configure a VT session

1. Select desired VT emulation for the **Emulation Type**. Either VT52, VT100, VT220 7-bit or VT220 8-bit.
2. Enter the **IP Host Name** or address assigned to the VT host that you are connecting to. If you do not know what to enter here, you can obtain this information from your system administrator.
3. Select the appropriate screen size in the **Screen Size** area. This is very important to configure correctly. If you select a size not supported by the host, you will not be able to make a connection.
4. Select **Auto Reconnect** to enable this option. This will allow an automatic connection to the host when the session is started. If this option is left disabled, you will be required to manually connect after starting the session.

   The other configuration parameters should be set to their default values, unless you are otherwise instructed to configure something differently by your system administrator.
5. Click **Connect**. The host screen should appear with a the text **VT** in the lower left of OIA status line, indicating that the corresponding VT session is connected.

Getting a SCO ANSI Session

When you start PASSPORT for the first time, the **Communication Setup** dialog box will automatically be displayed. You must configure each of the items in the **Connection** tab in order to establish SCO ANSI session.

To configure a SCO ANSI session

1. Select desired SCO ANSI emulation for the **Emulation Type**. Either SCO ANSI 7-bit or SCO ANSI 8-bit.
2. Enter the **IP Host Name** or address assigned to the SCO ANSI host that you are connecting to. If you do not know what to enter here, you can obtain this information from your system administrator.
3. Select the appropriate screen size in the **Screen Size** area. This is very important to configure correctly. If you select a size not supported by the host, you will not be able to make a connection.
4. Select **Auto Reconnect** to enable this option. This will allow an automatic connection to the host when the session is started. If this option is left disabled, you will be required to manually connect after starting the session.

   The other configuration parameters should be set to their default values, unless you are otherwise instructed to configure something differently by your system administrator.
5. Click **Connect**. The host screen should appear with a the text **SCO** in the lower left of OIA status line, indicating that the corresponding SCO ANSI session is connected.

Getting a WYSE-60 Session

When you start PASSPORT for the first time, the **Communication Setup** dialog box will automatically be displayed. You must configure each of the items in the **Connection** tab in order to establish WYSE-60 session.

To configure a WYSE-60 session

1. Select WYSE-60 emulation for the **Emulation Type**.
2. Enter the **IP Host Name** or address assigned to the WYSE-60 host that you are connecting to. If you do not know what to enter here, you can obtain this information from your system administrator.
3. Select the appropriate screen size in the **Screen Size** area. This is very important to configure correctly. If you select a size not supported by the host, you will not be able to make a connection.
4. Select **Auto Reconnect** to enable this option. This will allow an automatic connection to the host when the session is started. If this option is left disabled, you will be required to manually connect after starting the session.

   The other configuration parameters should be set to their default values, unless you are otherwise instructed to configure something differently by your system administrator.
5. Click **Connect**. The host screen should appear with a the text **WY** in the lower left of OIA status line, indicating that the corresponding WYSE-60 session is connected.

If you do not make a connection, you should get an error message generated by PASSPORT. Sometimes the TN3270 server, TN5250 server, VT, SCO ANSI or WYSE-60 host may not handle error processing correctly or may not handle it at all. In these instances, troubleshooting connection problems may be more difficult.

If you get an error message generated by PASSPORT when you are waiting for your connection, see **Error Messages** in the **Troubleshooting** section of the **Technical Reference** for more detailed information on what to do next.

If you do not get an error message, click the **Communication→Connection Log** menu command to view the connection log. The connection log displays the Telnet negotiation commands sent between PASSPORT and the TN3270 server, TN5250 server, VT, SCO ANSI or WYSE-60 host. This can be used to determine why the connection failed.

If you still cannot get a connection, the last alternative is to run a **Low Level Trace** and email it to Zephyr Technical Support for analysis. See **Running a Trace** in the **Troubleshooting** section of the **Technical Reference** for instructions on how to do this.

Using PASSPORT

Terminal Emulation Sessions

Using Session Profiles

PASSPORT saves configuration information and preference settings for individual sessions as session profiles. Session profiles are stored in binary files with a .zws (Zephyr Work Station) extension. You can save changes to these profiles at any time from within the session, although you cannot edit the files directly. (Another file, the .zcc file, contains communication configuration settings and may be edited by your administrator. See **Modifying Communication Configuration Settings** for more information.) A session profile stores information such as the following:

- Session type (TN3270, TN5250, VT52, VT100, VT220 7-bit, VT220 8-bit, SCO ANSI 7-bit, SCO ANSI 8-bit, WYSE-60)
- IP host address, and other setup parameters and session options
- Screen size, fonts, cursor type
- Window size and position, colors, hotspot settings
- Visibility of toolbars, keypads, status bar, title bar
- Custom toolbars, keypads, keyboards, and mouse configurations
- Printer setup for PASSPORT printer session

Note: Your system administrator can set up an individual or group profile (by company, department, etc.) for you to connect to a host mainframe.

There are five types of emulation: TN3270, TN5250, VT, SCO ANSI and WYSE-60. There are two types of sessions: display and printer sessions. Display sessions are TN3270 or TN3270E connections to a generic or specific LU (logical unit) on a host mainframe, allowing you to navigate, view files, and run applications on the host, depending upon the LU. Printer sessions are TN3270E and TN5250E connections that are established along with display sessions to allow you to print host files on your local printer. A printer session is a connection to a generic, specific, or associated LU dedicated to receive client requests for printing services on the host. For more information on host printing, see **Host Printing**. Printer sessions are not supported for VT, SCO ANSI or WYSE-60 emulation, however **Pass-Through Printing** is available for VT and SCO ANSI sessions.

When you start PASSPORT, one of several session options will be used: (1) the default Passport.zws session will be loaded, (2) you will be prompted to create a new session, or (3) you will be prompted to open an existing session. The **File→Options** dialog box determines these options. Also, PASSPORT may automatically connect to the host session, depending upon whether the **Start Session Profile Automatically** setting is selected. (Passport.zws is the only session that connects on startup by default—unless you have created a Windows Shortcut to start another session.)

Note: The options in the **File→Options** dialog box apply to all PASSPORT sessions. These options are written into the Windows registry, whereas session settings (like displaying a custom keypad or designating a specific background color or startup macro) apply only to individual sessions.

PASSPORT allows you to run 26 sessions concurrently, depending upon available system resources. With many sessions running, it can be difficult to distinguish them quickly. When you save a session profile, you should give it a meaningful name to help you easily identify it later. In addition to the saved profile name, each session is assigned a HLLAPI short name (a letter of the alphabet) for the duration of the current connection. Because the HLLAPI short name is reassigned each time a session is established, you should rely on the session profile name instead to identify sessions on the taskbar. See **Title Bar** for more information on identifying sessions.

To switch to another session window quickly

- Click on any part of the window or click the taskbar button for the session.

  Note: If you use a batch file to open **multiple sessions**, consider defining **jump key** shortcuts on the keyboard to facilitate switching among the sessions. Although jump keys can be used at any time, HLLAPI short names are reassigned every time a session is established, so specific sessions may not have the same short name assigned to them unless you open the sessions in the same order every time you run PASSPORT (as a batch file does) or you **manually specify the HLLAPI short name**. For information on assigning jump keys, see **Changing the Current Keyboard Layout**.

Configuring a Session

You can configure a session for use in PASSPORT using the **Connection** tab on the **Communication→Setup** dialog box. PASSPORT supports both basic and extended TN3270 connections to a host mainframe. For extended TN3270 connections (TN3270E), you can choose to establish a display or printer session.

To configure a basic TN3270 session

1. Select **TN3270** for the **Emulation Type**.
2. Enter the **IP Host Name** or address assigned to the TN3270 server that you are connecting to. If you do not know what to enter here, you can obtain this information from your system administrator.
3. Select the appropriate screen size in the **Screen Size** area. This is very important to configure correctly. If you select a size not supported by the host, you will not be able to make a connection.
4. Select **Extended Attributes** and **Auto Reconnect** to enable these options.

   The other configuration parameters should be set to their default values, unless you are instructed to configure something differently by your system administrator.
5. Click **Connect**. The host screen should appear with a **Tn** symbol in the OIA status line, indicating that the TN3270 session is connected.

Extended TN3270 connections provide several advanced emulation features over basic TN3270 connections:

- TN3270E Attention and System Request key support
- Support for connection to specific LUs, associated LUs, and LU pools
- Host printing support
- SSCP-LU session support
- SNA BIND and UNBIND support
- SNA-like response support

To configure a TN3270E display session

1. Select **TN3270** for the **Emulation Type**.
2. Enter the **IP Host Name** or address assigned to the TN3270E server that you are connecting to. If you do not know what to enter here, you can obtain this information from your system administrator.
3. Select **Display** in the **Session Type** area. The default session type is **Display**.
4. Select the **TN3270E Support** check box to enable TN3270E support.
5. If your system administrator has assigned you a device or pool name, select the **Specific** option in the **Connection Method** area, and then fill in the **Resource Name** field. Otherwise, use the default **Generic** method. Ask your system administrator if you are not sure.

6. Select the appropriate screen size in the **Screen Size** area. This is very important to configure correctly. If you select a size not supported by the host, you will not be able to make a connection.
7. If you are using the IBM Communication Server for your TN3270E server, select the **Enable TN3270E Response Support** check box.
8. Select **Extended Attributes** and **Auto Reconnect** to enable these options.

   The other configuration parameters should be set to their default values, unless you are instructed to configure something differently by your system administrator.
9. Click **Connect**. The host screen should appear with a **Te** symbol in the OIA status line, indicating that the TN3270E display session is connected.

To configure a TN3270E printer session

1. Select **TN3270** for the **Emulation Type**.
2. Enter the **IP Host Name** or address assigned to the TN3270E server that you are connecting to. If you do not know what to enter here, you can obtain this information from your system administrator.
3. Select **Printer** in the **Session Type** area. Any options not applicable for printer sessions will become unavailable.
4. Select the **Specific** or **Associated** option in the **Connection Method** area, and then fill in the **Resource Name** field. Ask your system administrator if you are not sure.

   Note: Although you can use a Generic LU connection to establish a TN3270E printer session, it is not recommended.
5. Select **Auto Reconnect** to enable this option.
6. Click **Connect**. The host screen should appear, indicating the connection status and host address on the status bar.

To configure a basic TN5250 display session

1. Select TN5250 for the **Emulation Type**.
2. Enter the **IP Host Name** or address assigned to the TN5250 server that you are connecting to. If you do not know what to enter here, you can obtain this information from your system administrator.
3. Select the appropriate screen size in the **Screen Size** area. This is very important to configure correctly. If you select a size not supported by the host, you will not be able to make a connection.
4. Select **Auto Reconnect** to enable this option.

   The other configuration parameters should be set to their default values, unless you are otherwise instructed to configure something differently by your system administrator.
5. Click **Connect**. The host screen should appear with a **Tn** symbol in the OIA status line, indicating that the TN5250 session is connected.

To configure a TN5250E display session

1. Select **TN5250** for the **Emulation Type**.
2. Enter the **IP Host Name** or address assigned to the TN5250E server that you are connecting to. If you do not know what to enter here, you can obtain this information from your system administrator.
3. Select **Display** in the **Session Type** area. The default session type is **Display**.
4. Select the **TN5250E Support** check box to enable TN5250E support.
5. If you have been assigned a device or pool name by your system administrator, fill in the **Resource Name** field. Otherwise, leave blank to connect to a generic pool. Ask your system administrator if you are not sure.
6. Select the appropriate screen size in the **Screen Size** area. This is very important to configure correctly. If you select a size not supported by the host, you will not be able to make a connection.
7. Click **Connect**. The host screen should appear with a **Tn** symbol in the OIA status line, indicating that the TN5250E display session is connected.

To configure a TN5250E printer session

1. Select **TN5250** for the **Emulation Type**.
2. Enter the **IP Host Name** or address assigned to the TN5250E server that you are connecting to. If you do not know what to enter here, you can obtain this information from your system administrator.
3. Select **Printer** in the **Session Type** area. Options not applicable for printer sessions will become unavailable.
4. Select the **Specific** or **Associated** option in the **Connection Method** area, and then fill in the **Resource Name** field. Ask your system administrator if you are not sure.
5. Select **Auto Reconnect** to enable this option.
6. Click **Connect**. A list of Windows printers should appear, indicating the connection status and host address on the status bar.

To configure a VT52, VT100 or VT220 session

1. Select the desired VT emulation for the **Emulation Type** (either VT52, VT100, VT220 7-bit or VT220 8-bit).
2. Enter the **IP Host Name** or address assigned to the VT host that you are connecting to. If you do not know what to enter here, you can obtain this information from your system administrator.
3. Select the appropriate screen size in the **Screen Size** area. This is very important to configure correctly. If you select a size not supported by the host, you will not be able to make a connection.
4. Select **Auto Reconnect** to enable this option.

   The other configuration parameters should be set to their default values, unless you are otherwise instructed to configure something differently by your system administrator.

5. Click **Connect**. The host screen should appear with the text **VT** in the OIA status line, indicating that the corresponding VT session is connected.

To configure a SCO ANSI session

1. Select the desired SCO ANSI emulation for the **Emulation Type** (either SCO ANSI 7-bit or SCO ANSI 8-bit).
2. Enter the **IP Host Name** or address assigned to the SCO ANSI host that you are connecting to. If you do not know what to enter here, you can obtain this information from your system administrator.
3. Select the appropriate screen size in the **Screen Size** area. This is very important to configure correctly. If you select a size not supported by the host, you will not be able to make a connection.
4. Select **Auto Reconnect** to enable this option.

   The other configuration parameters should be set to their default values, unless you are otherwise instructed to configure something differently by your system administrator.
5. Click **Connect**. The host screen should appear with the text **SCO** in the OIA status line, indicating that the corresponding SCO ANSI session is connected.

To configure a WYSE-60 session

1. Select WYSE-60 emulation for the **Emulation Type**.
2. Enter the **IP Host Name** or address assigned to the WYSE-60 host that you are connecting to. If you do not know what to enter here, you can obtain this information from your system administrator.
3. Select the appropriate screen size in the **Screen Size** area. This is very important to configure correctly. If you select a size not supported by the host, you will not be able to make a connection.
4. Select **Auto Reconnect** to enable this option. This will allow an automatic connection to the host when the session is started. If this option is left disabled, you will be required to manually connect after starting the session.

   The other configuration parameters should be set to their default values, unless you are otherwise instructed to configure something differently by your system administrator.
5. Click **Connect**. The host screen should appear with a the text **WY** in the lower left of OIA status line, indicating that the corresponding WYSE-60 session is connected.

Related Topics

Starting a Session

Once you have configured a PASSPORT session, you can open it in PASSPORT, establishing a connection with the host. You can also start PASSPORT with a particular session by double-clicking the .zws file for that session in Windows Explorer. You can even create a shortcut to a specific session to make it available from the desktop.

To open a session

1. Choose the **File→Open** menu command or click the **Open** button on the toolbar. The **Open** dialog box will appear, listing available session profiles (.zws files).
2. Double-click the session profile you want to open. If you store session profiles in a location other than the default, you will have to navigate to that location first.

   Note: If the **Start Session Profile Automatically** setting in the **File→Options** dialog box is not selected, the session will open but not connect. In this case, you must choose the **Communication→Connect** menu command to actually connect to the TN3270, TN5250, VT, SCO ANSI or WYSE-60 host.

To create a shortcut to a session

- In Windows Explorer, right-click on the session file, point to **Send To**, and then click **Desktop as Shortcut**. A shortcut to the session will be created on the desktop. You can start PASSPORT with the specified session using the new shortcut.

Starting Multiple Sessions

You can start multiple PASSPORT sessions at one time by creating a session layout. To start the multiple sessions, simply double click on the session layout icon on your Windows desktop.

Note: If you use a session layout file to open multiple sessions, consider defining **jump key** shortcuts on the keyboard to facilitate switching among the sessions. For information on assigning jump keys, see **Changing the Current Keyboard Layout**.

To create a session layout file and use it

1. Start each of your PASSPORT sessions.
2. Set the size and location of each PASSPORT session window.
3. Use the **File→Save Layout** menu command to save your session layout.
4. Double-click the session layout icon to start the multiple PASSPORT sessions.

Saving a Session

You can save changes made to existing sessions in PASSPORT or save new sessions. All session profiles must have a .zws extension (Zephyr Work Station).

Note: If the **Save Session Profile before File→Exit** setting in the **File→Options** dialog box is selected, a session will automatically be saved upon exiting. If the setting is not selected, PASSPORT will prompt you to save any new changes made to a session before exiting.

To save a session

1. Choose the **File→Save** menu command or click the **Save** toolbar button from the session you want to save.
2. If you are saving an existing session profile, your changes will be saved. If you are saving a new session, the **Save As** dialog box will appear, allowing you to enter the name of the new session profile.
3. Enter a file name for the new session profile. The file should have a meaningful name to help you recognize it later (it will appear in the title bar of the session window). Also, if you want to save your profile to a location other than the default, you must navigate to that location.
4. Click the **Save** button. Your changes will be saved.

Ending a Session

You can exit a session using the **File→Exit** or **File→Exit All** menu command. You can also disconnect a session using the **Communication→Disconnect** menu command.

Several settings in the **File Options** dialog box determine what happens upon exiting a session. These settings are written to the registry and apply to all sessions in PASSPORT.

- If the **Save Session Profile before File-Exit** setting is selected, a session will automatically be saved upon exiting. If the setting is not selected, PASSPORT will prompt you to save any new changes made to a session before exiting.
- If the **Prompt before Communication-Disconnect or File-Exit** setting is selected, PASSPORT will ask you to confirm that you want to disconnect or exit the session.

The PASSPORT User Interface

Using the Mouse

You can use the mouse to perform standard Windows operations, such as positioning the cursor, selecting text, choosing commands, resizing windows, and so on. In addition to these standard operations, PASSPORT allows you to customize the mouse to execute **TN3270, TN5250, VT,SCO ANSI or WYSE-60 keys**, perform PASSPORT functions, or run macros by simply clicking the mouse. Mouse settings are saved in the session profile.

The PASSPORT defaults for mouse button actions are as follows:

- **Left button, single-click**
  By default, a single click (left button) repositions the cursor.
- **Left button, double-click**
  By default, double-clicking the mouse (left button) on a hotspot activates the hotspot function assignment; otherwise, double-clicking the mouse repositions the cursor and sends the Enter key command.
- **Right button, single-click**
  By default, right-clicking the mouse accesses the shortcut menu, which allows you to choose from several commands. (If a command is not currently available, it will appear dimmed on the shortcut menu.) The following commands appear on the shortcut menu:

  Cut

  Copy

  Copy Append

  Copy Graph

  Paste

  Paste Continue

  Colors

  Fonts

  Keyboard

  Keyboard Layout

  Keypad

- **Right button, double-click**
  There is no default function assignment for the right button, double-click action.

To customize the mouse

1. Choose the **Options→Mouse** menu command (or click the Alt + O, O key sequence). The **Mouse** tab of the **Options** dialog box will appear.
2. Select the specific mouse click you want to customize from the **Select Mouse Button**

Action pick-list. If a function is currently performed by that mouse click, it will be highlighted in the **Select Function to Perform** area.

Note: Be careful when assigning anything to your primary single-click button (usually left), as it may interfere with normal Windows operation and maneuvering. To restore mouse defaults, click the **Defaults** button.

3. Select **Macro**, **Function**, or **Host Key** from the **Select Function to Perform** area. A list of available assignments will display in the list box.
4. Choose an assignment for the designated mouse button action from the list. (If you choose a macro, decide whether or not you want the mouse click to reposition the cursor before running the macro, then select or clear the **Move Cursor before Running Macro** check box accordingly.)
5. Click **OK**.

Viewing the Current Keyboard Layout

PASSPORT maps **TN3270 host keys**, **TN5250 host keys**, **VT host keys**, **SCO ANSI host keys** or **WYSE-60 host keys** to corresponding keys and key sequences on the PC keyboard. (For the default layout, see **3270 Host Key Descriptions, TN5250 Host Key Descriptions**, **VT Host Key Descriptions**, **SCO ANSI Host Key Descriptions and WYSE Host Key Descriptions** in the Technical Reference.) Host keys are divided into AID keys and local keys. AID (Attention Identifier) keys are keys that request attention from the host system. A list of these keys includes the following:

- Attention
- Clear
- Enter
- Program Attention 1-3
- Program Function 1-24
- System Request

Local keys do not request attention from the host system, and perform functions local to the PC terminal emulator. Examples of these keys include the Reset key, arrow keys, and Tab key.

While some key combinations activate a host key, others function as **shortcut keys**, familiar to users of Windows. Standard shortcut key mappings are provided for common operations such as cut, copy, paste, print, open, etc. Note that, for shortcut keys to be re-mapped, the **Disable Menu Accelerator Keys** option should be enabled on the **Options→Miscellaneous** dialog box.

To view the current keyboard layout (do one of the following)

- Choose **View→Keyboard Layout** from the menu (or press the Alt + V, K key sequence).
- Choose **Help→Keyboard Layout** from the menu (or press the Alt + H, K key sequence).
- Right-click emulation screen and choose **Keyboard Layout** from the shortcut menu.

A **Keyboard Layout** dialog box will display the current keyboard layout. The **OK** button closes the dialog box. The **Help** button displays additional information about the keyboard layout.

Changing the Current Keyboard Layout

When you are in a PASSPORT session, your keyboard uses certain keys and key combinations to represent standard **TN3270, TN5250, VT, SCO ANSI or WYSE-60 keys**. The specific mapping of keys, or the keyboard layout, can be changed to one of several preset **default layouts** or can be customized to suit your preferences. Custom keyboard layouts are saved in keyboard map files with .zkb extensions. Keyboard settings are saved with the session profile, although custom keyboards are available to any session.

To change the keyboard layout

1. Choose the **Options→Keyboard** menu command (or press the Alt + O, K key sequence). The **Options** dialog box will appear, displaying the **Keyboard** tab.
2. In the **Select Keyboard Map** area, choose the layout option you would like to use. You can choose a predefined keyboard map or a custom map (see next step) created earlier.
3. To choose a custom keyboard map, click the **Browse** button in the **Custom Keyboard Map** area, and then double-click a keyboard file (.zkb extension) to use. If you keep custom files in a location other than the default PASSPORT folder, you will have to navigate to that location first.

   Note: For information on other **Keyboard** options, see **Options→Keyboard**.
4. Click the **OK** button. (If you choose a custom layout, make sure that the correct .zkb file appears in the **Custom Keyboard Map** area before clicking **OK**.)

To create a custom keyboard layout

1. Choose the **Options→Keyboard** menu command (or press the Alt + O, K key sequence). The **Options** dialog box will appear, displaying the **Keyboard** tab.
2. Select the keyboard map you would like to use as a starting point for customization (refer to the above instructions on changing the keyboard layout if necessary). The keyboard map currently in effect is used as the baseline for modifications.
3. Click the **Customize** button. The **Customize Keyboard Editor** will appear.
4. Click on a key to change from the keyboard on the screen. Notice the assignment for that key in the **Define Function or Assignment** area; Normal displays the assignment for the key when you press it by itself; Shift displays the assignment when the key is pressed in conjunction with the Shift key, and so on.
5. Click the **Edit** button or double-click the key to display the **Key Properties** dialog box.
6. Choose the appropriate **action category** to display a list of actions for that category.
7. Choose an action to assign to the selected key, then click **OK** to save.
8. Repeat the previous four steps as often as necessary to customize the keyboard.

   Note: To restore the keyboard to one of the default standard keyboards, click the **Defaults** button, then choose the appropriate keyboard from the **Reset Keyboard Map** dialog box and click **OK** to finish.
8. Click the **OK** button. The **Save As** dialog box will appear, prompting you to enter a file name for the custom keyboard map.

9. Enter a file name (with a .zkb extension), then click the **Save** button. You can specify a location other than the default if you store custom files elsewhere.

   Note: if the .zkb extension is not added as part of the filename, it will be automatically added when the keyboard map file is saved.

10. Click the **OK** button.

For more information on keyboard customization, see **Customize Keyboard Editor**.

Using Word Wrap

Word Wrap may be used to automatically place words that would normally overrun the right margin to the left margin of the next line. **Word Wrap** is used in conjunction with **Entry Assist** and **Change Format**. There are three host keys associated with this function:

- Entry Assist Mode On/Off (Ctrl + E)
- Word Wrap Mode On/Off (Ctrl + W)
- Change Format On/Off (Ctrl + F)

The **Entry Assist** key toggles between **Entry Assist** mode (also referred to as document mode) and normal mode. The symbol "DOC" appears on the OIA (Operator Information Area) status line to indicate that entry assist mode is active. When active, the Tab, BackTab and NewLine keys operate differently. The Tab and BackTab keys navigate to the next field or tab stop. The NewLine key goes to the left margin on the next line or to the first field.

The **Word Wrap** key, that can only be used when entry assist mode is active, toggles between **Word Wrap** mode and normal mode. The symbol "WW" appears on the OIA status line to indicate that **Word Wrap** mode is active. When active, any word being typed that would overrun the right margin is placed at the left margin of the next line, if possible.

The **Change Format** key, that can only be used when entry assist mode is active, provides the ability to set the left and right margin, reset the margins, set the bell margin position, and set and clear tab positions. While in **Change Format** mode, the following keys will allow you to set tab and margin controls:

- < Sets the left margin at current cursor position.
- > Sets the right margin at current cursor position.
- B Sets the bell margin at current cursor position.
- R Resets all margins to defaults.
- <- (Left Arrow) moves cursor to the left.
- -> (Right Arrow) moves cursor to the right.
- T Toggles tab on/off at current cursor position.
- C Clears all tab positions.

Using the Toolbar

You can invoke PASSPORT commands by clicking buttons on the toolbar. Toolbars can be shown or hidden, and can be customized. Custom toolbars are stored as files with .ztb extensions. Toolbar settings are stored in the session profile, although toolbar files are available for use in any session.

To show or hide the toolbar

- Choose the **View→Tool Bar** menu command, or press Alt + V, T. This will toggle the toolbar on or off. (When the toolbar is shown, a check mark will appear next to the **Tool Bar** command on the **View** menu and the toolbar will appear on the host screen. A hidden toolbar will not display a check mark next to its menu command.)

To create a custom toolbar

1. Choose the **Options→Toolbar** menu command (or press Alt + O, T). The **Toolbar** tab on the **Options** dialog box appears.
2. Select the toolbar (default or custom) you would like to use as a starting point for customization. The toolbar currently selected is used as the baseline for modifications.
3. Click the **Customize** button. The **Customize Toolbar** dialog box will appear.
4. Perform any of the following (repeating as necessary):

- To add a button to the toolbar, click **Add**.
- To add a separator between buttons, click **Separator**.
- To remove a button from the toolbar, select the button you want to remove from the **Toolbar buttons** box, and then click **Remove**.
- To reposition a button on the toolbar, select the button you want to move from the **Toolbar buttons** box, and then click **Move Up** or **Move Down** as many times as necessary.

5. Click **Save**. The **Save PASSPORT Toolbar File As** dialog box will appear.
6. Enter a name for the toolbar file (.ztb extension), and then click **Save**. Your custom toolbar will be available for use in any PASSPORT session.

   Note: if the .ztb extension is not added as part of the filename, it will be automatically added when the toolbar file is saved.
7. Click **OK**.

To change the toolbar

1. Choose the **Options→Toolbar** menu command (or press Alt + O, T). The **Toolbar** tab on the **Options** dialog box appears.
2. In the **Custom Toolbar Filename** area, click the **Browse** option to select a custom toolbar. (To switch back from a custom toolbar, click **Default** in the **Select Toolbar Type** area.)
3. Choose a toolbar file (.ztb extension) from the list of available toolbar files (you may need to navigate to the location where they are stored), and then click the **OK** button. The toolbar file name should appear in the **Custom Toolbar Filename** area.

4. Set the size to **Small** or **Large**.
5. Enable or disable the **Show Button Text** and **Show Tool Tips** options.
6. Click **OK**.

Using the Keypad

The keypad provides access to **actions** such as host keys, macros, text strings, etc. with a single mouse click. You can create a custom keypad and save your changes to a .zkp file. Multiple keypad files can be created, customized, and saved. Keypad settings are saved with the session profile, although keypad files are available for use in any session.

To display the keypad (do one of the following)

- Choose the **View→Keypad** menu command
- Press the Alt + V, P key sequence
- Right-click the mouse, and then choose **Keypad**

To create a custom keypad

1. Choose the **Options→Keypad** menu command from the menu (or press the Alt + O, P key sequence). The **Keypad** tab of the **Options** dialog box will appear.
2. Click the **Customize** button. The **Customize Keypad** dialog box will appear, displaying various customization options.

   Note: The keypad currently selected is the one that will be customized. If you want to modify an existing custom keypad, select that keypad before you click **Customize** (your changes will be written to the .zkp file for that keypad.) If you want to create a new custom keypad (a new .zkp file), select the default keypad before you click **Customize**.
3. Select the number of rows and columns you want to apply to the custom keypad by choosing from the **Rows** and **Columns** fields. (There can be up to 14 rows and 8 columns in a keypad.)
4. Click on the button that you would like to assign an **action** to. This will display the **Button Properties** dialog box.
5. Type a name to appear on the button face.
6. Select the **Action** tab, then choose a category and **action** to assign to the button.
7. Click OK to save the properties for this button. Repeat steps 4 - 6 as necessary for other buttons.
8. Click the **Save** button. (If you are modifying a custom keypad, your changes are saved to the .zkp file for that keypad. If you are creating a new keypad, a dialog box prompts you for a file name to assign the keypad.) After the changes have been saved, you are returned to the **Keypad** tab.
9. Make sure that the **View Keypad** check box is checked, then click the **Apply** button. Your new keypad should be visible.
10. Click the **OK** button.

To view a custom keypad

1. Choose the **Options→Keypad** menu command (or press the Alt + O, P key sequence). The **Keypad** tab of the **Options** dialog box appears.
2. In the **Custom Keypad Filename** area, click the **Browse** option to select a custom keypad. (To switch back from a custom keypad, click **Default** in the **Select Keypad Type** area.)
3. Choose a keypad file (.zkp extension) from the list of available keypad files (you may need to navigate to the location where they are stored), and then click the **OK** button. The keypad file name should appear in the **Custom Keypad Filename** area.
4. Make sure the **View Keypad** check box is checked, and then click the **Apply** button. The selected keypad should be visible.
5. Click the **OK** button.

Using Hotspots

Hotspots are designated text strings on the host screen that perform specified functions when they are clicked with the mouse. Hotspots can make your work in a host session much easier and more efficient. PASSPORT allows you to configure hotspot settings as a hotspot profile, which is saved as a .zhs file. Hotspot settings are saved in the session profile, although a saved hotspot profile is available for use in any session.

To make hotspots visible

- Choose the **View→Hotspots** menu command. (This command toggles the visibility of hotspots on the screen, and will hide hotspots if they are already shown.)

To configure a hotspots profile

1. Choose the **Options→Hotspots** menu command (or press Alt + O, H). The **Hotspots** tab on the **Options** dialog box will appear.
2. Select the hotspot profile (default or custom) you would like to use as a starting point for configuration. The profile currently in effect is used as the baseline for modifications.
3. Click the **Customize** button. The **Customize Hotspots** dialog box will appear.
4. Perform any of the following (repeating as necessary):
   - To add a hotspot, click **Add** and set the properties for the hotspot in the **Add Hotspot** dialog box. Click **OK**.
   - To remove a hotspot, select the hotspot you want to remove from the **Custom Hotspots** box, and then click **Remove**.
   - To edit a hotspot, select the hotspot in the **Custom Hotspots** box, then click **Edit** and modify the properties for the hotspot in the **Edit Hotspot** dialog box. Click **OK**.
5. Select or clear any check boxes in **PF Key Hotspots**, and then click **Save**. The **Save As** dialog box will appear.
6. Enter a name for the hotspots file (.zhs extension), and then click **Save**. Your custom hotspots profile will be available for use in any PASSPORT session.

   Note: if the .zhs extension is not added as part of the filename, it will be automatically added when the hotspots file is saved.
7. Click **OK**.

To change hotspots settings

1. Choose the **Options→Hotspots** menu command (or press Alt + O, H). The **Hotspots** tab on the **Options** dialog box will appear.
2. In the **Select Hotspots** area, choose **Disable**, **Default**, or **Custom**. If you choose **Custom**, the path and name of a hotspot configuration file will appear in the **Custom Hotspots Filename** area.
3. If you choose **Custom** (or if the **Custom** option is unavailable), and the custom hotspot file you want to use does not appear in **Custom Hotspots Filename**, use the **Browse** button to locate and select it.

4. Select the **View Hotspots** check box if you want hotspots to be visible on the host screen.
5. Click **OK**.

The PASSPORT Session Window

Title Bar

The title bar of a PASSPORT session window can be used to quickly differentiate among open sessions. Each session will have a single alphabetic character assigned to it as its HLLAPI session short name. HLLAPI session names are selected automatically every time you open a session, allowing for up to 26 open sessions at a time. For example, the second of two open sessions may have the following title:

(B) Session.zws - PASSPORT

PASSPORT allows you to manually specify a HLLAPI short name if necessary. For information on this and HLLAPI session names in general, see **Communication Setup - HLLAPI**.

In addition to the HLLAPI session name, if the session has been previously saved, the name of the .zws session file will appear in the title bar. This is a more useful identifier than the HLLAPI session name because it does not change every time you load the session. When you save a session and assign it a meaningful name, it will be easier to find on the Windows taskbar with multiple sessions open.

(C) Accounts Payable.zws - PASSPORT

Status Bar

The PASSPORT status bar provides information about the host connection status, the LU state, menu commands, macros, standard toggle keys, and cursor position. The PASSPORT status bar will display different information depending upon whether the session is a display or printer session.

Display Session Status Bar

When you pause the pointer over a PASSPORT menu command, a brief description of the function of that command appears on the left side of the status bar. Also, this area displays information about the status of the connection to a host address. For instance, if **Hot Back Up** is enabled, the status bar will display the status of each connection as the back up connections are attempted.

On the right side of the status bar are five small boxes that provide information about the following items:

Macro Information	Caps Lock	Num Lock Indicator	SSL Indicator	Cursor Position	LU Name
"RUN" "RECORD" "PAUSE"	"CAP" when turned on	"NUM" when turned on	Data Encryption in effect	Row number then column number	TN3270E or TN5250E connection

Printer Session Status Bar

As with the display session status bar, the printer session status bar provides a brief functional description when the pointer is paused over a menu command. It also displays the connection status and the host address for the current session. However, it only has two information boxes that display the following items:

SSL Indicator	Printer Status	LU Name
Data Encryption in effect	"IDLE" "READY" "RECEIVE" "PRINTING" or "DISCONNECTED"	Displays the name of the specific or associated LU for TN3270E or TN5250E

SSL Security Indicator

When SSL security is enabled, a small yellow security lock symbol appears on the PASSPORT status bar. If you double click on this symbol, PASSPORT displays the certificate information of the server you are currently connected to.

PASSPORT PC TO HOST Toolbar

Display Session (Default)

Click …		To do this…
	New	Create a new session
	Open	Open a session
	Save	Save the active session
	Print	Print the active session
	Cut	Cut the selection and put it on the Clipboard
	Copy	Copy the selection and put it on the Clipboard
	Paste	Insert Clipboard contents
	Connect/Disconnect	Connect to the host or disconnect from the host
	Communication Setup	Set up communication parameters for this session
	Colors	Change the emulator colors
	Fonts	Select the emulator fonts
	Keyboard	Select and/or edit the keyboard
	Send File	Send a file to the host
	Receive File	Receive a file from the host
	FTP File Transfer	Launches the Passport FTP client for file transfer
	Start/End Macro Record	Toggle recording of a macro script on/off
	Run/Stop Macro	Run a macro script or stop a running macro
	Run USER1.MAC	Run macro script USER1.MAC
	Run USER2.MAC	Run macro script USER2.MAC
	Run USER3.MAC	Run macro script USER3.MAC

Printer Session (Default)

Click …		To do this…
	New	Create a new session
	Open	Open a session
	Save	Save the active session
	Print Setup	Change the printer, printer font and printer layout options
	Connect/Disconnect	Connect to the host or disconnect from the host
	Communication Setup	Set communication parameters for this session

Additional Toolbar Icons for Customization

Click …		To do this…
	File Save As	Save the active session with a new name
	View Keypad	Show or hide the keypad

	View Keyboard Layout	Display the current keyboard map and layout
	Options Cursor	Change the cursor type, blinking, ruler and toggling
	Options Hotspots	Select and/or edit the hotspots
	Options Keypad	Select and/or edit the keypad
	Options Mouse	Mouse configuration
	Options Miscellaneous	Miscellaneous configuration
	Options Transfer	File transfer options
	Macro Edit	Edit a macro file
	Help Topics	List Help topics
	Help About	Display program information, version number and copyright
	Security	Display the security settings dialog box
	Insert Wait	Inserts a wait command during the recording of a macro
	Run USER4.MAC	Run macro script USER4.MAC
	Run USER5.MAC	Run macro script USER5.MAC
	Run USER6.MAC	Run macro script USER6.MAC

The PASSPORT Screen

Terminals Emulated

PASSPORT emulates the following terminal screen sizes:

- IBM 3278/79 Model 2 (24 rows x 80 columns)
- IBM 3278/79 Model 3 (32 rows x 80 columns)
- IBM 3278/79 Model 4 (43 rows x 80 columns)
- IBM 3278/79 Model 5 (27 rows x 132 columns)
- IBM 3179-2 Model 2 for AS/400 (24 rows x 80 columns)
- IBM 3477-FC Model 5 for AS/400 (27 rows x 132 columns)
- VT 24x80 mode (24 rows x 80 columns)
- VT 24x132 mode (24 rows x 132 columns)
- VT 32x80 mode (32 rows x 80 columns)
- VT 32x132 mode (32 rows x 132 columns)
- SCO ANSI 80 column mode (25 rows x 80 columns)
- SCO ANSI 132 column mode (25 rows x 80 columns)
- WYSE-60 24x80 mode (24 rows x 80 columns)
- WYSE-60 24x132 mode (24 rows x 132 columns)
- WYSE-60 25x80 mode (25 rows x 80 columns)
- WYSE-60 25x132 mode (25 rows x 132 columns)
- WYSE-60 42x80 mode (42 rows x 80 columns)
- WYSE-60 42x132 mode (42 rows x 132 columns)
- WYSE-60 43x80 mode (43 rows x 80 columns)

- WYSE-60 43x132 mode (43 rows x 132 columns)

Note: PASSPORT also supports a dynamic setting that chooses the screen size based on information provided by the server. See **Communication Setup - Connection** for more information.

Text Fields
The PASSPORT screen contains different types of fields that determine the kinds of operations you can perform on text in those fields. Text fields may be unprotected or protected. You can tab through, edit, cut, and delete text in unprotected fields. You cannot change the text in a protected field, although you can copy it to the clipboard or print it.

Additionally, protected and unprotected fields are subdivided into normal intensity and high intensity fields, each of which is assigned a different color. All field types have colors assigned to them by PASSPORT that enable you to easily differentiate them. You can change the default color that PASSPORT assigns to a field using the steps in **Changing Colors**. Note that any changes made, however, will only affect the screen for that session.

Note: VT, SCO ANSI and WYSE-60 emulation sessions do not have fields.

Screen Size
You can resize a session window, provided that you are using either the default PASSPORT terminal font or another True Type Font, and have not specified a particular font size. You can resize the window by moving the pointer to the window border until it changes to a sizing handle, then clicking and dragging the window border to the desired size.

Note: If you are using a Windows raster font or if you have selected the **Fixed Window Size** check box when changing the default screen font, you will not be able to resize the window by dragging the sizing handles.

The PASSPORT OIA Status Line

The OIA (Operator Information Area) status line provides information about the current state of the session connection. You cannot select, place the cursor, or enter text in the OIA status line. The area is located at the bottom of the screen, just below the bottom row.

Connection Mode

The leftmost columns of the OIA status line provide information about the type of connection made for the current session. One of the following symbols will appear:

Symbol	Connection Mode
Tn	Basic Tn3270 mode or Tn5250 mode
Te	Enhanced Tn3270 mode
NVT	Network Virtual Terminal (telnet mode)
VT	VT52, VT100 or VT220 session connected
SCO	SCO ANSI session connected
WY	WYSE-60 session connected

Session State

If you have connected with either a TN3270 or TN3270E connection, another symbol will appear (in column 3, next to **Tn** or **Te**), indicating the session state:

Symbol	Session State
	LU-LU state (full session)
	SSCP-LU state (half session)
	Neither LU-LU or SSCP-LU (unowned session)

SSL or SSH Security

If your session is connected with either SSL or SSH security enabled, one of the following will appear in columns 5-7:

Symbol	Security Mode
SSL	SSL encryption is enabled
SSH	SSH encryption is enabled (VT, SCO ANSI and WYSE-60 only)

System State

The current state of the system is indicated by several symbols that appear to the right of the session state (column 8), providing information about host status. User input is prohibited in each of the following states:

Symbol	System State
X	Host processing request AID key sending information to host
X SYSTEM	Host transmitting data to terminal
X	Input attempted in protected field (use Reset to release)
X	Function not allowed (text cannot be sent in this mode)
X -f	Inhibited condition (use Reset and retry operation)
X ?+	Graphics input cursor active
+Cr	

Caps Lock and Insert Indicators

The OIA status line displays a Caps Lock symbol (⇑) in column 32 when the Shift key is pressed or when Caps Lock mode is on and an Insert symbol (∧) in column 47 when the Insert mode is on. A Caps Lock indicator also appears on the PASSPORT **Status Bar**.

Cursor Position
If the **Show Cursor Position on OIA line** option is enabled on the **Options→Cursor** dialog box, the current cursor position will be displayed between columns 58 and 66. The number following the **R** indicates the row position and the number following the **C** indicates the column position.

Entry Assist
When entry assist mode is active, "DOC" appears on the OIA line. For more information on entry assist refer to the **Using Word Wrap** section of the documentation.

Word Wrap
When word wrap mode is active, "WW" appears on the OIA line. For more information on word wrap refer to the **Using Word Wrap** section of the documentation.

Note: You can also set the cursor to indicate the Insert mode using the **Options→Cursor** command.

Changing Colors

You can set the default colors in the PASSPORT screen.

To change the color of text or background

1. Choose the **Options→Colors** menu command (you can also press the Alt + O, C key sequence or the appropriate toolbar button instead). The **Colors** tab of the **Options** dialog box will appear.
2. Select a category (each category has a default color). A sample of the chosen category will appear in the **Sample** area.
3. Select a color from the **Colors** area or select the **Color Palette** button . to choose a custom color. The sample will change to the chosen color.
4. Click the **Apply** button. PASSPORT will change the color of the selected text or background.

   Note: To reset all the colors to their default setting, select default from the Color Scheme drop-down list, and then click the **Apply** button.
5. Click the **OK** button.

Note: You can also save a grouping of colors into a color scheme file. Then select this group of colors at one time by selecting that color scheme file.

For more information on changing colors or custom settings in PASSPORT, see **Options→Colors**.

Changing Fonts

You can set the default font displayed on the PASSPORT screen. PASSPORT supports three different font types. The default font is the PASSPORT terminal font. However, both Windows raster and True Type fonts may be used with PASSPORT, as long as they are fixed pitch fonts.

Note: The PASSPORT terminal font supports a subset of the APL character set. Generally, Windows fonts do not support special APL characters, such as line-drawing characters, mathematical symbols, and underscore characters.

To change the font type

1. Choose the **Options→Fonts** menu command (you can also press the Alt + O, F key sequence or the appropriate toolbar button instead). The **Fonts** tab on the **Options** dialog box will appear.
2. Select a font category from the **Font Type** area. A sample of the chosen font will appear in the **Sample** area.
3. If you have chosen a Windows raster or True Type font, select a specific font from the **Font** area. The fonts available will depend on which fonts are loaded on your computer.
4. If you have chosen a Windows raster or True Type font, select a style from the **Font Style** area.
5. If you have chosen a Windows raster or True Type font, select a font size from the **Font Size** area. If you choose a specific font size, the screen size will be determined by the size of the font. (Note that Windows raster fonts do not allow you to resize the screen.)
6. Click the **Apply** button. PASSPORT will change the font.
7. Click the **OK** button.

For more information on changing font settings in PASSPORT, see **Options→Fonts**.

Changing the Cursor

The default cursor type can be set to either an underline cursor or a block cursor. You can also set the cursor to blink on the screen, and can enable a cursor ruler that highlights the exact position of the cursor at any time.

A graphics input cursor is also available and will appear when in the edit mode of a graphics application. It may be set to one of four cursor types.

To quickly toggle between the underscore and block cursor

Press the **Alt Cursor** key. The "Cursor" key will depend on the particular **keyboard layout** you are using (it is Alt + F11 in the default PASSPORT layout). Also, if the **Toggle Cursor Type during Insert Mode** check box is selected in the **Cursor** tab of the **Options** dialog box, the Insert key will toggle the default cursor type whenever the Insert mode is enabled.

To change the cursor

1. Choose the **Options→Cursor** menu command (or press Alt + O, U). The **Cursor** tab on the **Options** dialog box will appear.
2. Choose either the **Underline** or **Block** option in the **Cursor Type** section.
3. In the **Cursor Blink** section, choose **On** if you want to enable a blinking cursor.
4. In the **Cursor Ruler** section, choose **Cross** if you want to enable the cursor ruler with both vertical and horizontal lines, **Vertical** for vertical only or **Horizontal** for horizontal only.
5. If you want the cursor type to switch when the Insert mode is enabled, select the **Toggle Cursor Type during Insert Mode** check box.
6. If you want to display the current position of the cursor on the Operator Information Area (OIA), enable the **Show Cursor Position on OIA** line option.
7. Click the **Apply** button.
8. Click the **OK** button. The cursor type will reflect your change.

To change the graphics input cursor

1. Choose the **Options→Graphics** menu command (or press Alt + O, G). The **Graphics** tab on the **Options** dialog box will appear.
2. Choose one of the four different types in the **Graphics Input Cursor Type** area.
3. Click the **Apply** button.
4. Click the **OK** button.

Using the Windows Clipboard

Copying Text to the Clipboard

The **Copy** command performs the standard Windows copy operation. Selected text is copied into the Windows clipboard. Copied text may later be pasted into another area of the same PASSPORT session, a different PASSPORT session, or into another Windows application.

To copy text to the clipboard

1. Move the mouse pointer to the upper left corner of the text area to be selected.
2. Click and drag (still holding down the left mouse button) the mouse pointer to the lower right corner of the text area to be selected.
3. Release the left mouse button. A dotted bounding box will indicate the selected area of text. You can extend the selection using the Select Up, Select Down, Select Left, and Select Right keys (Shift + arrow keys on the PASSPORT keyboard). You can select all available text by choosing the **Edit→Select All** menu command.
4. Do one of the following:
   - Choose the **Edit→Copy** menu command
   - Click the **Copy** button on the toolbar
   - Press the Alt + E, C key sequence
   - Press Ctrl + C
   - Right-click the mouse, and then choose **Copy** from the shortcut menu

The selected text will be copied from the screen and pasted to the clipboard. You can also configure PASSPORT to automatically copy the selected text area in the **Edit→Options** dialog box.

Copying Graphics to the Clipboard

The **Copy Graph** command copies the selected area of the screen to the clipboard in graphics format. Once copied, the graphic may be pasted into other Windows applications where it may be edited, printed, saved, as any normal bitmap.

To copy graphics to the clipboard

1. Move the mouse pointer to the upper left corner of the graphics area to be selected.
2. Click and drag (still holding down the left mouse button) the mouse pointer to the lower right corner of the graphics area to be selected.
3. Release the left mouse button. A dotted bounding box will indicate the selected area of text. You can extend the selection using the Select Up, Select Down, Select Left, and Select Right keys (Shift + arrow keys on the PASSPORT keyboard).
4. Do one of the following:
   - Choose the **Edit→Copy Graph** menu command
   - Press the Alt + E, G key sequence
   - Press Ctrl + G

The selected graphics area will be copied from the screen and pasted to the clipboard.

Cutting Text to the Clipboard

The **Cut** command performs the standard Windows cut operation. Any selected text that is in a non-protected field is deleted from the PASSPORT screen and copied onto the Windows clipboard. (All text is copied onto the clipboard; only text in non-protected fields is cut.) Text cut from the PASSPORT screen may be pasted into another area of the same PASSPORT session, a different PASSPORT session, or into another Windows application.

To cut text to the clipboard

1. Move the mouse pointer to the upper left corner of the text area to be selected.
2. Click and drag (still holding down the left mouse button) the mouse pointer to the lower right corner of the text area to be selected.
3. Release the left mouse button. A dotted bounding box will indicate the selected area of text. You can extend the selection using the Select Up, Select Down, Select Left, and Select Right keys (Shift + arrow keys on the PASSPORT keyboard). You can select all available text by choosing the **Edit→Select All** menu command.
4. Do one of the following:
   - Choose the **Edit→Cut** menu command
   - Click the **Cut** button on the toolbar
   - Press the Alt + E, T key sequence
   - Press Ctrl + X
   - Right-click the mouse, and then choose **Cut**
   - Press the Delete key

The selected text will be cut from the screen and pasted to the clipboard.

Deleting Text from the PASSPORT Screen

You can delete text from the PASSPORT screen using either the Delete key or the Backspace key. The Delete key also can be used to delete a selected area of text.

Note: You can only delete text in non-protected fields.

To delete text from the screen

- To delete a selection of text, first select the text by clicking and dragging the cursor to form a bounding box around the text, then press the Delete key. The text will be deleted from the screen.
- To use the Delete key to forward delete text one character at a time, position the cursor just before the text you want deleted and press the Delete key repeatedly until all the appropriate characters are deleted.
- To use the Backspace key to backward delete text one character at a time, position the cursor just after the text you want deleted and press the Backspace key repeatedly until all the appropriate characters are deleted.

Pasting Text from the Clipboard

The **Paste** command performs the standard Windows paste operation. To paste text into a PASSPORT screen, you must first position the cursor in an unprotected area of the screen: note that text cannot be pasted into protected fields. If the text in the clipboard is too large, the text will be truncated, and as much text as possible will be pasted into the PASSPORT screen.

To paste text from the clipboard

1. Position the alpha cursor where you want to paste the text or you may select another area of the PASSPORT screen as the paste target area.
2. Do one of the following:
   - Choose the **Edit→Paste** menu command
   - Click the **Paste** button on the toolbar
   - Press the Alt + E, P key sequence
   - Press Ctrl + V
   - Right-click the mouse, and then choose **Paste** from the shortcut menu

The latest copied or cut text will be pasted from the clipboard to the PASSPORT screen. You may optionally configure PASSPORT to automatically move the cursor to the end of the pasted text in the **Edit→Options** dialog box.

Note: quick drag-and-drop may also be used to copy an area of text from one part of the PASSPORT screen to another part of the same screen. To utilize this feature, simply highlight the text, drag to the appropriate location and drop.

Note: The **Edit→Options Paste Mode** settings affect the way text is pasted into the PASSPORT screen.

Printing

Printing the Screen

You can print the entire contents of the PASSPORT screen to a printer. If you want to change your default print settings, choose the **File→Print Setup** menu command to display the Windows **Print Setup** dialog box. If you do not want the Print Setup dialog box to appear each time you print the screen, you can change the **Prompt for Printer Settings** option in the **File→Options** dialog box.

To print the screen

- Choose the **File→Print** menu command. The Windows **Print** dialog box will appear, allowing you to specify the printer and number of copies before printing.

Printing the Screen 2 per Page

Sometimes you may want to print two or more PASSPORT screens on one sheet of paper. You may want to do this to save paper when printing individual screens of PASSPORT.

To print multiple screens on one page

1. Choose the **File→Print Setup** menu command.
2. Enable the "Print Page After Following Number of Print Screens" option.
3. Enter the number of screens to be printed per page in the "Number of Print Screens" input field.
4. Click the **OK** button.
5. Perform the **File→Print** menu command multiple times to print multiple screens.

Printing the Screen to a File

You can print the entire contents of the PASSPORT screen to a file using a macro provided with PASSPORT, after which the file may be viewed or printed with any text editor.

To print the screen to a file

1. Choose the **Macro→Run** menu command (or press the **Run** button on the toolbar). The **Open** dialog box will appear, allowing you to choose from a list of macros to run.
2. Select the **"prt2file.zmc"** file, then click the **Open** button. A PASSPORT dialog box will prompt you to enter the name of the destination file.
3. Enter the name of the file you want to print to, including the full path (for example, you could enter, "a:\My Documents\myfile"). If you do not enter a path, the file will be created in the default PASSPORT folder.
4. Click the **OK** button.

Appending the Screen to a File

You can print the entire contents of the PASSPORT screen and append it to a file using a macro provided with PASSPORT, after which the file may be viewed or printed with any text editor.

To print the screen to a file

1. Choose the **Macro→Run** menu command (or press the **Run** button on the toolbar). The **Open** dialog box will appear, allowing you to choose from a list of macros to run.
2. Select the **"app2file.zmc"** file, then click the **Open** button. A PASSPORT dialog box will prompt you to enter the name of the destination file.
3. Enter the name of the file you want to print to, including the full path (for example, you could enter, "a:\My Documents\myfile"). If you do not enter a path, the file will be created in the default PASSPORT folder.
4. Click the **OK** button.

Host Printing

Note: Host printing is not available in VT, SCO ANSI or WYSE-60 sessions, however **VT Pass-Through Printing** may be used for VT and SCO ANSI sessions.

PASSPORT allows you to print host files on your local printer using TN3270E support or TN5250E support for printer sessions. To print host files, you must first establish a printer session with a specific or associated LU, and must also concurrently have a display session open with which to access the file. Once the display and printer sessions are established, and the print setup is configured, you can print host files to your local printer.

To configure the print setup options for a printer session

1. From within the printer session, choose the **File→Print Setup** menu command (or press Alt + O, P). The **Printer Setup** dialog box will appear.
2. Set the appropriate host printing setup options for the print job. (If you need to configure your local printer, click the **Printer...** button to display the Windows Print Setup dialog box.)
3. Click **OK**.

For information on how to configure a printer session refer to **Configuring a Session**.

File Transfer

Sending a File

You can use PASSPORT to send a file to the host computer.

To send a file to the host computer

1. Choose the **Options→Transfer** menu command to configure the file transfer options.
2. Choose the **Transfer→Send** menu command. (You can also press the Alt + T, S key sequence or click the **Send File** toolbar button.) The **File Transfer** dialog box appears.
3. Enter the full path and name of the file you want to send in the **PC File Name** field. You can also use the **Browse** button to locate the file on your system or network.
4. Enter the name you want the file to be assigned on the destination computer in the **Host File Name** field. In many cases, the name may be the same or similar.
5. Select the correct Transfer Scheme
6. Optionally choose the Customize Scheme button to make any changes to the current transfer scheme.
7. Click the Transfer button.

Receiving a File

You can use PASSPORT to transfer a file from the host computer to your computer.

To transfer a file from the host computer

1. Choose the **Options→Transfer** menu command to configure the file transfer options.
2. Choose the **Transfer→Receive** menu command. (You can also press the Alt + T, R key sequence or click the **Receive File** toolbar button.) The **File Transfer** dialog box appears.
3. Enter the full path and name you want the file to be assigned on your computer in the **PC File Name** field. You can also use the **Browse** button to find a location on your system or network for the transferred file.
4. Enter the name of the file you want to transfer in the **Host File Name** field.
5. Select the correct Transfer Scheme.
6. Optionally choose the Customize Scheme button to make any changes to the current transfer scheme.
7. Click the Transfer button.

Using FTP File Transfer

The PASSPORT FTP Client provides fast file transfer between a host system and a client. Because it features the look and feel of the Windows Explorer, it is faster and easier to use than the **Transfer→Send** or the **Transfer→Receive** menu commands.

To launch the FTP Client, use the **Transfer→FTP** menu command. (You can also press the Alt + T, F key sequence.) When the **PASSPORT FTP Client** window displays, help topics are available to assist you in creating host profiles, starting an FTP session, and sending and receiving files.

Note: FTP file transfer can be used for TN3270, TN5250, VT, SCO ANSI and WYSE-60 sessions. The PASSPORT FTP Client can also be launched independently of the PASSPORT emulator using the **Windows Start→Programs** command.

Using Macros to Automate Tasks

Running a Macro

You can run macro scripts in PASSPORT to automate task sequences. PASSPORT allows you to assign a macro to a toolbar button, user-defined key combinations, keypad buttons, hotspots and mouse clicks, all of which provide quick access to often-used macros.

To run a macro

1. Choose the **Macro→Run** menu command (you can also press the Alt + M, R key sequence or click the **Run** toolbar button). The **Open** dialog box will appear with the PASSP0RT folder as the default location for macros. If you store macros in another folder, you will need to go to that folder.
2. Double-click the macro file you want to run.

To assign a macro to a toolbar button

- PASSPORT provides three toolbar buttons that run different macros. Name the macros "User1.zmc," "User2.zmc," or "User3.zmc" and place them in the PASSPORT working folder (these are not case-sensitive). If they are incorrectly named or reside in another folder, the toolbar buttons will not work. Thereafter, you simply have to click the **Run USER1.ZMC**, **Run USER2.ZMC**, or **Run USER3.ZMC** button to run the corresponding macro file.

  Note: you can assign up to three more macro buttons for a total of six, but you must first add the extra buttons to a custom toolbar. See **Customize Toolbar** for more information.

- Custom toolbar buttons may also be used to run any PASSPORT macro. Refer to **Customize Toolbar** for more information.

To assign a macro to a key combination, keypad button, hotspot or mouse click

- Refer to **Customize Keyboard Editor**, **Customize Keypad**, **Customize Hotspots** and **Using the Mouse** for information.

Stopping a Macro

Under some circumstances, it may become necessary to stop a running macro before its completion.

To stop a macro during execution

- toolbar button
- Choose the **Macro→Stop** menu command.

Recording a Macro

Macros may be recorded, written directly, or recorded and then edited. Because the script language is based on Microsoft VBScript, PASSPORT macros may be used as a starting point for more complex Visual Basic programs. Before you record a macro, you should carefully plan the steps involved, especially any outside steps that might require a pause in the script, or steps requiring the insertion of a wait condition or prompt.

To record a macro

1. Choose the **Macro→Record** command (you can also click the **Record Macro** button or press the Alt + M, C key sequence). The text "RECORD" will appear in the status bar, indicating that PASSPORT is recording a macro.
2. Carry out the steps in the order that you want them executed in the macro.
3. Choose the **Macro→End Record** command or press the **End Record Macro** button. The **Save As** dialog box will appear.
4. Enter a descriptive file name for the macro script, making sure that it ends with a .zmc extension (if you do not specify the extension, it will automatically be created for you), and then click **Save**. If you store macros in another folder, navigate to that folder first.

   Note: If you name the macro "User1.mac", "User2.mac", etc., you will be able to access it quickly from the toolbar using the appropriate macro button (**Run USER1.ZMC**, **Run USER2.ZMC**, and so on). The macro file names are not case sensitive.

Pausing the Recording of the Macro

PASSPORT allows you to pause the recording of a macro at any time. This may be useful to avoid the recording of certain keystrokes.

To pause the recording of a macro

1. Choose the **Macro→Pause** command (or press the Alt + M, P key sequence). The status bar will read "PAUSE" to indicate that the recording has been suspended.
2. Perform any operations that you do not want recorded while in PAUSE mode.
3. When you are ready to resume recording the macro, choose the **Macro→Pause** menu command again.

Inserting a Prompt into the Macro

Inserting a prompt allows you to notify or receive input from the user before the execution of the macro proceeds to the next statement. For confidential input such as passwords, you can specify that user-entered text be hidden from display.

To insert a prompt into a macro

1. Choose the **Macro→Insert Prompt** command or press the Alt + M, I key sequence (the macro must be recording). The **Insert Prompt** dialog box will appear.
2. Select the type of prompt you want to insert from the list of options.
3. Enter the text you want to display on the message/dialog box.
4. Click **OK**, and then proceed with the remainder of the macro.

Inserting a Wait Condition into the Macro

Inserting a wait condition allows you to specify certain conditions to check before the execution of the macro proceeds to the next statement.

To insert a wait condition into a macro

1. Choose the **Macro→Insert Wait** command or press the Alt + M, W key sequence (the macro must be recording). The **Insert Wait** dialog box will appear.
2. Select a wait condition from the list of available **options**, entering any appropriate parameters.
3. Enter a time-out value if one is not already specified.
4. Click **OK**, and then proceed with the remainder of the macro.

Editing a Macro

You can edit a macro script in PASSPORT to add or edit macro instructions.

To edit a macro

1. Choose the **Macro→Edit** menu command or press the Alt + M, E key sequence. The **Open** dialog box will appear with the PASSP0RT folder as the default location for macros. (If you store macros in another folder, you will need to go to that folder.)
2. Select the .zmc file you want to edit, then click **Open**. The file you choose to open will be opened with the Windows Notepad program.
3. Edit your macro script, then choose the **File→Save** command in Notepad to save your changes.

   Note: When editing macros, remember each macro should contain a **Sub ZMain()** line, indicating the start of the PASSPORT macro code and an **End Sub** line, indicating the end of the PASSPORT macro code.

Menu Commands

File

File→New

The **File→New** command creates a PASSPORT session with default session profile parameters. When the new PASSPORT session window appears, the **Communication Setup** tab will appear for you to enter configuration data for the new session. After entering the appropriate configuration data, click the **Connect** button and your new session will be established.

The default file name for new session profiles is Session.zws; when you save the new profile you will have an opportunity to assign the file another name.

Note: A maximum of 26 PASSPORT sessions can be active concurrently.

The **File→New** menu command can also be accessed by:

- toolbar button
- Ctrl + N shortcut key
- Alt + F, N key sequence

File→Open

The **File→Open** command starts a PASSPORT session that has been previously configured and saved as a session profile. The **Open** dialog box will appear, allowing you to select a session profile to open. PASSPORT session profiles have a .zws extension (Zephyr Work Station file). Click **OK** after selecting a session profile and the PASSPORT session window will appear with the profile name on the title bar.

You may choose whether or not you want the session profile to automatically connect to the host or not. See the **Start Session Profile Automatically** option in the **File→Options** dialog box section for more information.

Note: A maximum of 26 PASSPORT sessions can be active concurrently.

The **File→Open** menu command can also be accessed by:

- toolbar button
- Ctrl + O shortcut key
- Alt + F, O key sequence

File→Save

The **File→Save** command saves any modifications that you have made to the session profile to a PASSPORT .zws file. The name of the file that is used appears in the PASSPORT title bar.

The following includes the type of information saved to the .zws file:

- Custom toolbar, keyboard, keypad, and mouse settings
- Communication setup configuration
- Options for colors, fonts, cursor, keyboard, keypad, hotspots, mouse, etc.
- File transfer send, receive, and options
- Position and size of the PASSPORT session window
- Printer setup for PASSPORT printer session

You may configure whether or not you want the session profile to automatically be saved when you perform the **File→Exit** command. See the **Save Session Profile before File Exit** option in the **File Options** dialog box section for more information.

The **File→Save** menu command can also be accessed by:

- toolbar button
- Alt + F, S key sequence

File→Save As

The **File→Save As** command saves the current session profile, along with any modifications that you may have made, to a PASSPORT .zws file. You will be prompted with a standard Windows **File→Save As** dialog box to enter the name of a file. You can enter any file name you like, but the filename must have the .zws extension. After the session profile has been saved to the file you specified, the name of this file appears in the PASSPORT title bar.

The following includes the type of information saved to the .zws file:

- Custom toolbar, keyboard, keypad, and mouse settings
- Communication setup configuration
- Options for colors, fonts, cursor, keyboard, keypad, hotspots, mouse, etc.
- File transfer send, receive, and options
- Position and size of the PASSPORT session window
- Printer setup for PASSPORT printer session

You may later access this session profile using the **File→Open** menu command.

The **File→Save As** menu command can also be accessed by:

- Alt + F, A key sequence

Note: You can also add this command as a toolbar button. See **Customize Toolbar**.

File→Options

The **File→Options** menu command displays the **File Options** dialog box, enabling you to set several PASSPORT preferences that will apply across all sessions. The configuration options are stored in the Windows Registry instead of within session files, meaning that specified options affect all PASSPORT sessions running on your machine.

Session Profile Selection at Startup
When PASSPORT is first started, this setting determines which session profile, if any, is used when PASSPORT starts. There are three possible settings:

- **Use Default Session Profile**
  When this setting is selected, the Passport.zws session file will load when PASSPORT is started. To enable PASSPORT to immediately connect the session to the specified host upon starting, you must also enable the **Start Session Profile Automatically** option. If the Passport.zws file does not exist, you will be prompted to configure a new session, as though the **Prompt to Configure a New Session Profile** option had been chosen.

  Note: to start PASSPORT with a session other than the default, see **Starting a Session**.

- **Prompt to Configure a New Session Profile**
  When this setting is selected, the **Communication→Setup** dialog box will display when PASSPORT is started. This is the same as the **File→New** menu command. You must then specify all new configuration information to make a host connection.

- **Prompt to Open an existing Session Profile**
  When this setting is selected, the **Open** dialog box is displayed, after PASSPORT is started. You must then select a session profile to open.

Start Session Profile Automatically
This setting, when checked, causes a host session to connect automatically when loaded, as though the **Communication→Connect** menu command had been invoked.

Save Session Profile before File-Exit
This setting, when enabled, causes the current session profile to be automatically saved whenever PASSPORT is closed. If this setting is not enabled and you have made modifications to your current session profile, PASSPORT will prompt "Would you like to save any changes made to this session?" before exiting.

Save Window Size and Position
This option controls whether the window size and position settings are saved when exiting out of PASSPORT. If enabled, PASSPORT will save the window size and position for a session as normal. If disabled, PASSPORT will retain the previously saved window size and position when the session is opened again. This can be useful in situations where the host application changes the screen size from that of the logon screen.

Note: To ensure that window size and position settings are retained, save the desired window size and position with the **Save Window Size and Position** check box selected, and then clear the check box.

Prompt before Communication-Disconnect or File-Exit
This setting, when enabled, causes PASSPORT to display the prompt "Are you sure you want to exit this session?" before allowing PASSPORT to be closed or the prompt "Are you sure you want to disconnect from this session?" before allowing the PASSPORT session to be disconnected. If this setting is disabled, you will not be prompted.

Prompt for Printer Settings
This setting, when enabled, causes a printer setup dialog box to display every time a **File→Print** menu command is performed. If this setting is disabled, the **File→Print** operation is performed immediately without display of the dialog box.

OK
The **OK** button causes all information in the dialog box to be saved in the Windows Registry.

Cancel
The **Cancel** button causes all changes made in this dialog box to be discarded.

Help
The **Help** button displays this help page.

The **File→Options** menu command can also be accessed by:

- Alt + F, T key sequence

File→Security

The **File→Security** menu command provides the ability to enable and disable selected menu commands for both the display session and printer session. Each menu item can be individually enabled or disabled. The menu items that are disabled are removed from the PASSPORT menu. Also, any corresponding accelerator keys are disabled and the corresponding tool bar buttons and/or keypad buttons are grayed out as well, indicating that they are not available.

Enable or disable the following items:

- **Display session**
  When selected, allows you to enable or disable menu commands for the display session. The top most menu commands for the display session appear in the category list box. The drop down menu commands appear in the commands list box.

- **Printer session**
  When selected, allows you to enable or disable menu commands for the printer session. The top most menu commands for the printer session appear in the category list box. The drop down menu commands appear in the commands list box.

- **Miscellaneous**
  When selected, allows you to enable or disable the reading of the .zcc file and the display of the menu bar. The Read .zcc file lock prevents PASSPORT from reading the text based Zephyr communication configuration file that overrides the binary .zws file. This prevents the user from editing and tampering with the PASSPORT communication options. For more information on the Zephyr .zcc file, refer to the **Advanced Installation Issues** section in Getting Started - Installation.

  The Show Menu Bar lock can be used to hide the entire menu bar from the user. The Windows system menu on the PASSPORT title bar (or Ctrl+B) can be used to show the menu bar. When this is done and the menu bar is locked, the user will be prompted for the password.

Category
This list box contains a list of the top most menu commands for either the display or printer session, depending on which is selected. For example: File, Edit, View, etc.

Commands
This list box contains the actual drop down menu commands that can be individually enabled or disabled. For example: Cut, Copy, Paste, etc. would appear when the category is Edit.

Note: multiple commands may be selected by pressing the Shift or Ctrl key while selecting with the mouse.

Change Password
To lock the configuration, a password must be entered and confirmed. This password must be at least four characters long, but no longer than sixteen characters. After the password is set, every time the **File→Security** menu command is selected, the user will be prompted for the password. This prevents unauthorized access to menu commands that have been disabled.

OK
The **OK** button causes all security to be implemented immediately.

Cancel
The **Cancel** button causes all changes made in this dialog box to be discarded.

Help
The **Help** button displays this help page.

The **File→Security** menu command can also be accessed by:

- Alt + F, C key sequence

File→ Save Layout

The **File→Save Layout** menu command provides the ability to save the window size and position of each currently opened session. When this option is selected, you will be prompted to supply a name for the layout. Using the layout name provided, a shortcut will be created on your desktop. Clicking on this desktop shortcut will launch each PASSPORT session with the saved window size and position.

Note: A **.bat** file with will be created at the PASSPORT installed location (c:\Program Files\PASSPORT\ ); however, you can change this path to point to a different location.

File→Print

The **File→Print** command prints the entire PASSPORT screen or a selected area of the screen to a printer. This command brings up the standard Windows **Print** dialog box before performing the print operation. This provides the ability to change the printer or printer settings before printing. If you do not wish the standard print dialog box to appear before performing the print operation, the **File→Options** dialog box has an option to disable the print dialog box from appearing.

The **File→Print** menu command can also be accessed by:

- toolbar button
- Ctrl + P shortcut key
- Alt + F, P key sequence

File→Print Setup (Display Session)

Printer
This field displays the name of the current printer. The default printer is selected for all new display sessions. To change the printer, click the **Printer...** button. This field cannot be edited.

Printer...
The **Printer...** button displays the standard **Print Setup** dialog box, allowing you to choose the default printer, paper size, and print orientation from a list of available printers and printing options.

Use Windows Default Printer
Enable this option to force the session to use the default printer selected by the operating system. With this option enabled, the Printer... button is deactivated indicating that the printer cannot be changed.

Font
Choose from the list of fixed pitch Windows True Type fonts. Proportional fonts and bitmap fonts will not be listed because print output depends on fixed pitch fonts when printing tabular data in rows and columns.

Margins (inches)
This is used to set the margins of the print area. The values used are inches. The following margins can be set:

- Top
- Bottom
- Left
- Right

Print PASSPORT Header Line
When enabled, a line of header information is printed at the top of the page. The header line consists of the session short name, session name, title, date and time.

Title Heading Text (Optional)
When the Print PASSPORT Header Line is enabled, the text specified here is printed at the top of each print screen. This is useful when you are printing to a network printer and you need to know which print out belongs to you. If this field is blank or null, the text PASSPORT is used. The maximum number of characters that may be entered in this field is 32.

Print Page after following number of print screens
When enabled, this feature provides the ability to print up to five print screens on one page. When disabled, one page is used for each print screen.

Number of Print Screens
This is where you enter the number of screens to be printed on one page. The values may range from 1 to 5.

OK
The **OK** button saves all configuration changes and returns to the session.

Cancel
The **Cancel** button discards any configuration changes and returns to the session.

Help
The **Help** button displays this help screen.

File→Print Setup (Printer Session)

When you select the **File→Print Setup** command in a printer session, a dialog box appears with the following options:

Printer
This field displays the name of the current printer. The default printer is selected for all new printer sessions. To change the printer, click the **Printer...** button. This field cannot be edited.

Printer...
The **Printer...** button displays the standard **Print Setup** dialog box, allowing you to choose the default printer, paper size, and print orientation from a list of available printers and printing options.

Use Windows Default Printer
Enable this option to force the session to use the default printer selected by the operating system. With this option enabled, the Printer... button is deactivated indicating that the printer cannot be changed.

Font
Choose from the list of fixed pitch Windows True Type fonts. Proportional fonts and bitmap fonts will not be listed because 3287 print output depends on fixed pitch fonts when printing tabular data in rows and columns.

LPP/CPL – Lines per page/Characters per line

- **Maximum Lines Per Page**
  This has a default value of 66. The values in **Maximum Lines Per Page** and **Maximum Characters Per Line** determine the font size on the printed page.
- **Maximum Character Per Line**
  This sets the maximum number of columns per page. The default value is 132. You may need to set this value slightly higher than the required number to allow for any printer control characters that may be sent by the mainframe. The maximum value is 255.

Margins (inches)
This is used to set the margins of the print area. The values used are inches. The following margins can be set:

- Top
- Bottom
- Left
- Right

Display Status during Host Print Job
If this check box is selected, a status box appears during each print job sent to this printer session. The status box displays the number of lines currently printed. This option is useful for monitoring the progress of a long print job.

If the check box is cleared, a status box does not appear during a host print job, which may be preferable if you do not want to be interrupted with a message box while working in a display session or some other Windows program.

Wrap text at maximum print position
When this check box is selected, any text that extends past the maximum characters per page will wrap around to the next print line. If cleared, any text extending past the maximum characters per page will be truncated and will not be printed.

Print NULL lines
When this check box is selected, any print lines that contain only a carriage return and line feed will be printed as a blank line. If cleared, lines that do not contain text will not be printed.

Suppress NL at maximum print position
If this option is selected, a new line (NL) at maximum print position (MPP) + 1 occurs without an automatic newline. This option is disabled by default.

> **For example**, if the character **'A'** is at MPP of line x and is followed by an NL code (MPP + 1) and the character **'B'** (MPP + 2), the **'A'** will be printed at the last position of line x and **'B'** will be printed at the first position of line x + 1. The example below demonstrates no blank line between the last printed character **'A'** and the first printed character '**B'** of the next line.
>
> **A**
>
> **B**

If this option is not selected, NL at MPP + 1 will occur after an automatic newline which resulting in a blank line.

> **For example**, if the character **'A'** is at MPP of line x and is followed by an NL code (MPP + 1) and the character **'B'** (MPP + 2), the **'A'** will be printed at the last position of line x and **'B'** will be printed at the first position of line x + 2.
>
> **A**
>
> **------> blank line**
>
> **B**

Ignore First Form Feed
Your mainframe application may include a Form Feed command to feed a blank page at the start of each print job. You can prevent this from coming out on the printer by selecting this check box.

Form Feed before print job
Selecting this check box will command the printer to feed a clean page before printing each host print job.

Form Feed after print job
Selecting this check box will command the printer to feed a clean page after printing each host print job.

Enable Printer Transparency
There are two ways to send data to a printer using a Windows device driver: (1) using Windows GDI function calls, which is the default, or (2) using pass-through mode, which is used for transparent printing. When the **Enable Printer Transparency** check box is selected, print data is sent to the printer using pass-through mode. This mode must be used if special control codes or character codes less than hex 20 are to be sent to the printer.

Note: When this option is selected, all other options except **Printer**, **Printer Initialization String**, and **Printer Closing String** are disabled.

There are two methods by which PASSPORT allows transparent data to be sent to the printer:

- LU-Type 1 hex 35 transparency control code
- Transparency using Translate Table

If transparent data is being sent to the printer, the **Enable Printer Transparency** check box must be selected, otherwise the Windows printer driver will convert the control codes to blanks, suppress them, or convert them to some other character.

Note: Not all Windows printer drivers support printer transparency. The generic Windows printer driver does not support printer transparency.

IRMA Transparency Toggle Character (hex)
Determines what character is used to turn IRMA transparent printing on or off. Default value is "a1".

Printer Initialization String
This string is specified in hexadecimal digits ranging in values from 00 to FF, each value separated by a space. The maximum initialization string is 126 bytes. The **Enable Printer Transparency** check box must be selected before this feature can be used. This string is output to the printer at the beginning of the print job.

Printer Closing String
This string is specified in hexadecimal digits ranging in values from 00 to FF, each value separated by a space. The maximum closing string is 126 bytes. The **Enable Printer Transparency** check box must be selected before this feature can be used. This string is output to the printer at the end of the print job.

End print job on
Select one or more of the following options to cause PASSPORT to end printing:

- **Unbind**
  Enabling this option causes PASSPORT to send the contents of the buffer to print after an unbind command is received from the host.
- **TN3270E EOJ**
  Enabling this option causes PASSPORT to send the contents of the buffer to print after an End Of Job (EOJ) indicator is received from the host.
- **Telnet Abort Output**
  Enabling this option causes PASSPORT to send the contents of the buffer to print after a Telnet abort output command is received.
- **Detect End of Print Job Using Time-out Value (sec.)**
  Enabling this option causes PASSPORT to send the contents of the buffer to print after a specified time has passed without an End of Print Job received from the host since the last data stream. The range for the value is 10 to 300 seconds, with the default value set to 30 seconds.

  Note: The time-out value should be determined by the speed of the mainframe and the length of the print job.

OK
The **OK** button saves all configuration changes and returns to the session.

Cancel
The **Cancel** button discards any configuration changes and returns to the session.

Default
The **Default** button resets all configuration options for this dialog box to their default settings.

Help
The **Help** button displays this help screen.

The **File→Print Setup** command can also be accessed by:

- toolbar button
- Alt + F, P key sequence
- File→Print Setup command in Printer session
- Right mouse click, Print Setup command

File→Exit

The **File→Exit** command closes and exits the PASSPORT session. Depending on the settings in the **File→Options** dialog box, you may be prompted with one or both of the following questions:

"Are you sure you want to exit this session?"

- If you click **Yes**, PASSPORT closes the session and exits.
- If you click **No**, PASSPORT simply returns to the session.

"Would you like to save any changes to this session?"

- If you click **Yes**, PASSPORT saves your current session profile to disk.
- If you click **No**, PASSPORT discards any modifications to your session profile. For information on what is saved to the session profile, see the **File→Save** command.

The **File→Exit** menu command can also be accessed by:

- Alt + F, X key sequence
- Clicking the close button on the PASSPORT title bar

File→Exit All

The **File→Exit All** command performs a **File→Exit** for each PASSPORT session that is running. See the **File→Exit** command for more information.

The **File→Exit All** menu command can also be accessed by:

- Alt + F, E key sequence

Edit

Edit→Cut

The **Edit→Cut** command performs the standard Windows cut operation. Any text that is selected and is in a non-protected field is deleted from the PASSPORT screen and copied into the Windows clipboard. Text cut from PASSPORT and copied to the clipboard may later be pasted into another area of the same PASSPORT session, a different PASSPORT session, or into another Windows application.

The **Edit→Cut** menu command can also be accessed by:

- toolbar button
- Ctrl + X shortcut key
- Alt + E, T key sequence
- Right-click, then click **Cut**
- This function may be mapped to any key.

Edit→Copy

The **Edit→Copy** command performs the standard Windows copy operation. Any text that is selected is copied to the clipboard. Text copied to the Windows clipboard may later be pasted into another area of the same PASSPORT session, a different PASSPORT session, or into another Windows application.

The **Edit→Copy** menu command can also be accessed by:

- toolbar button
- Ctrl + C shortcut key
- Alt + E, C key sequence
- Right-click, then click **Copy**
- This function may be mapped to any key.

Edit→Copy Append

The **Edit→Copy Append** command is used to append text to the Windows clipboard. This command can be used when it is necessary to copy screen after screen to the clipboard. The data can then be pasted all at one time into another Windows application.

The **Edit→Copy Append** menu command can also be accessed by:

- Alt + E, E key sequence
- Right-click, then choose **Copy Append**
- This function may be mapped to any key.

Edit→Copy Graph

The **Edit→Copy Graph** command copies the selected area of the screen to the clipboard in graphics format. By default, when the graphic is copied, black and white are reversed. To retain the original colors of the host screen, you must disable the **Reverse black and white on Copy Graph** option on the **Edit→Options** dialog box. Once the graphic is in the clipboard, it may then be pasted to other Windows applications such as PAINT where it can be printed, edited, or saved to disk in a bitmap format.

The **Edit→Copy Graph** menu command can also be accessed by:

- Ctrl + G shortcut key
- Alt + E, G key sequence
- Right-click, then choose **Copy Graph**
- This function may be mapped to any key.

Edit→Paste

The **Edit→Paste** command performs the standard Windows paste operation. However, note that text cannot be pasted into protected fields. To paste text onto a PASSPORT screen, first position the cursor at the desired location, and then use the **Paste** command. If all the text in the clipboard cannot fit onto the screen, it will be truncated and as much text as possible will be pasted onto the screen.

As an alternative to positioning the cursor, you can use the mouse or keyboard to define another selected area, and then paste the text from the clipboard into the selected area. If the text will not all fit into the selected area, it will be truncated and as much text as possible will be pasted onto the screen.

If you want the cursor to be automatically moved to the end of the pasted text, this is an option that must be configured in the **Edit→Options** dialog box.

Text can be pasted into the PASSPORT screen by using one of three methods:

- Block mode
- Stream mode
- Field mode

For more information on the paste modes, refer to the **Edit→Options** menu command.

Note: quick drag-and-drop may also be used to copy an area of text from one part of the PASSPORT screen to another part of the same screen. To utilize this feature, simply highlight the text, drag to the appropriate location and drop. When drag-and-drop is used, the text is not placed in the clipboard.

The **Edit→Paste** menu command can also be accessed by:

- toolbar button
- Ctrl + V shortcut key
- Alt + E, P key sequence
- Right-click, then choose **Paste**
- This function may be mapped to any key.

Edit→Paste Continue

The **Edit→Paste Continue** command is enabled if more data is left in the Windows clipboard after an **Edit→Paste**. This function allows you to continue to paste the rest of the data until there is no more data in the clipboard to paste. This command is virtually identical to the **Edit→Paste** command with the exception as to what data is retrieved from the clipboard.

The **Edit→Paste Continue** menu command can also be accessed by:

- Alt + E, T key sequence
- Right-click, then choose **Paste Continue**
- This function may be mapped to any key.

Edit→Clear

The **Edit→Clear** command cancels a selected area of text.

The **Edit→Clear** menu command can also be accessed by:

- Alt + E, L key sequence
- Click the left mouse button
- This function may be mapped to any key.

Edit→Select All

The **Edit→Select All** command selects the entire PASSPORT screen. The number of rows and columns of text selected depends on the size of the screen. For more information regarding supported screen sizes, review the information in **The PASSPORT Screen**.

Note: The OIA (Operator Information Area) status line at the bottom of the PASSPORT screen cannot be included in a selected area of text.

The **Edit→Select All** menu command can also be accessed by:

- Alt + E, A key sequence
- This function may be mapped to any key.

Edit→Options

The **Edit→Options** command provides the ability to set various options that are used with all the Edit commands during cut and paste operations.

Copy Mode
These options affect the way text is copied to the Windows clipboard:

- **Data with no formatting**
  Provides no formatting for the copied text. This is useful for text that will be pasted into the emulation screen as command line data.
- **Lines with terminators (Default)**
  Copies each individual line of text and includes a carriage return and line feed at the end of each line.
- **Paragraph format for word processing**
  Copies the selected area of text and retains paragraph formatting attributes. Selecting this option will insert a space at the end of each line to prevent words from running together. A carriage return and line feed will be added before blank lines.
- **Tabular format for spreadsheets**
  Copies the selected area of text and separates into rows and columns. Two or more consecutive blank spaces between words are converted to a single tab. Tabs are typically interpreted by spreadsheets and word processor tables as cell separators. Single spaces between words remain when a copy is performed, unless immediately followed by a numeric character (0-9, +, - or .)

Paste Mode
These options affect the way text is pasted into the PASSPORT terminal emulation screen. It affects the operation of the **Edit→Paste** and **Edit→Paste Continue** commands.

Note: For VT, SCO ANSI and WYSE-60 sessions this option is disabled. For these sessions, all pasted text is done by sending the appropriate characters to the emulation session.

- **Block Paste Mode (Default)**
  Block paste mode treats the data in the Windows clipboard as a block of tabular data. The data block is then overlaid on top of the PASSPORT screen starting at the current cursor position. Data that would be pasted into a protected field is not copied to the PASSPORT screen. Data that goes beyond the right hand side of the PASSPORT screen or bottom of the PASSPORT screen is not copied. With Block Paste Mode enabled, tabs are converted into spaces.
- **Stream Paste Mode**
  Stream paste mode provides a convenient way of copying data from other Windows applications such as spreadsheets. Stream mode treats the clipboard data as a stream and copies text to unprotected fields only field by field, skipping over protected fields. When a field is filled up or when tabs or new lines are encountered in the data stream, it jumps to the next unprotected field and continues the pasting.
- **Field Paste Mode**
  Field paste mode provides an advanced method of pasting text from the clipboard into TN3270 or TN5250 fields. Before data is pasted into a host field, the field may be cleared to either all spaces, nulls or underscores. The first line of data from the clipboard is pasted into the field where the cursor is positioned, starting at the cursor position. The cursor must be located in an unprotected field. The next line of data from the clipboard is

then pasted into the next unprotected field starting at the first location of the field. This operation is repeated until the clipboard is empty or else there are no more unprotected fields on the screen.

- **Spreadsheet Mode**
  This mode is similar to Field Mode, except fields are delimited by tabs or non-printable characters rather than spaces. Use this mode when pasting text from a spreadsheet to the host screen.

- **Spreadsheet Mode 2**
  This mode is similar to Spreadsheet Mode, with one exception. With this mode enabled, the starting cursor position serves as the left margin for pasted text and each row of text will be pasted starting at this same column position.

Fill field with
This option is only used with field paste mode. If this option is enabled, before any text is pasted into the field, the field is filled with either:

- Nulls (Default)
- Spaces
- Underscores

Word Wrap Considerations (3270 and 5250 only)
Block Paste Mode is the same in both Word Wrap and non-Word Wrap modes. In other words, Block Paste Mode is not supported with Word Wrap - all wrapping margins are ignored. Stream Paste Mode and Field Paste Mode operate exactly the same in Word Wrap mode. Text is copied from the clipboard and entered into the emulator screen as if it was being typed from the keyboard and Word Wrap will occur. Tabs and newlines are always converted to spaces.

Note: Word Wrap margins must be set inside the un-protected field to prevent an input inhibited condition and causing the paste operation to fail.

Move cursor to end of pasted text
This option provides the ability to move the cursor to end of the text that has been pasted into the PASSPORT terminal emulation screen. This is useful when you would like to continue entering text at the end of some text you just pasted.

Note: For VT, SCO ANSI and WYSE-60 sessions this option is disabled. The cursor is always positioned at the end of the text that is pasted for these sessions.

Automatic copy selected area
This option provides the ability to automatically copy the selected text into the Windows clipboard. You do not have to choose the **Edit→Copy** command after you select the text. The automatic copying of text only works when text is selected with the mouse, and not the keyboard.

Reverse black and white on Copy Graph
This option will reverse the black and white background color of a session when performing a copy graph action under the Edit menu. To retain the actual color of the host screen, this option must be disabled.

Note: This option is not available for VT, SCO ANSI and WYSE-60 sessions.

Paste to protected fields
This option is used to allow a block of pasted text to be pasted into a protected area of the

screen. With this option disabled, protected fields are skipped when pasting to the host screen.

Note: this option is available only for **Block Paste Mode**.

Text Selection as
Select one of the following to determine how a text selection is displayed on the screen:

- **Dotted Rectangle (Default)**
- **Reverse Video**

Replace Cut Text with
Select which character to use for replacing cut characters (unprotected fields only):

- **Nulls (Default)**
  Select **Nulls** to completely replace the selected text when the **Edit→Cut** command is used. Data to the right of the cut text is shifted to the left.

- **Spaces**
  Select **Spaces** to replace the selected text with spaces when the **Edit→Cut** command is used. Data to the right of the cut text remains in its current position.

OK
The **OK** button causes all information in the dialog to take affect.

Cancel
The **Cancel** button causes all changes made in this dialog box to be discarded.

Help
The **Help** button displays this help page.

The **Edit→Options** menu command can also be accessed by:

- Alt + E, O key sequence

View

View→Tool Bar

The **View→Tool Bar** command makes the toolbar either visible or not visible. A check mark next to the **Tool Bar** menu item indicates that the toolbar is visible. This setting is saved in the session profile.

The **View→Tool Bar** menu command can also be accessed by:

- Alt + V, T key sequence

View→Status Bar

The **View→Status Bar** command makes the status bar either visible or not visible. A check mark next to the **Status Bar** menu item indicates that the status bar is visible. This setting is saved in the session profile.

The **View→Status Bar** menu command can also be accessed by:

- Alt + V, S key sequence

View→Keypad

The **View→Keypad** command makes the keypad either visible or not visible. A check mark next to the **Keypad** menu item indicates that the keypad is visible. This setting is saved in the session profile, along with the keypad position if the keypad is visible.

You can remove a visible keypad by clicking the close button on the keypad title bar.

The **View→Keypad** menu command can also be accessed by:

- toolbar button
- Alt + V, P key sequence
- Right-click, then click **Keypad**

Note: You can also add this command as a toolbar button. See **Customize Toolbar**.

View→Keyboard Layout

The **View→Keyboard Layout** command displays a dialog box with the current keyboard layout. The **OK** button closes the dialog box. The **Help** button displays additional information about the keyboard layout.

This command can also be accessed by:

- toolbar button
- Alt + V, K key sequence
- Alt + H, K key sequence
- Right-click, then click **Keyboard Layout**
- **Help** menu, **Keyboard Layout** command

Note: You can also add this command as a toolbar button. See **Customize Toolbar**.

View→Hotspots

The **View→Hotspots** menu command causes hotspots on the host to be highlighted on the host screen, provided that hotspots are enabled in PASSPORT. A check mark next to the **Hotspots** menu item indicates that hotspots are visible. This setting is saved in the session profile.

For more information about hotspots, see **Options→Hotspots** and **Using the Mouse**.

View→Refresh (Printer Session Only)

Note: This command is only available for printer sessions.

The **View→Refresh** command is used to refresh the list of printers and list of print jobs displayed.

The **View→Refresh** menu command can also be accessed by:

- Alt + V, R key sequence
- Right Mouse click, then select Refresh

Communication

Communication→Setup

The **Communication→Setup** menu command displays the **Communication Setup** dialog box, enabling you to configure the connection for a session profile. If the command is unavailable (dimmed), you must first disconnect the current session using the **Communication→Disconnect** menu command.

The **Communication Setup** dialog box contains several tabs containing configuration information that must be configured while PASSPORT is in the disconnected state. For more detailed information on each of the tabs, see the following:

- **Connection** tab
- **5250 Print** tab (available in TN5250 emulation only)
- **Advanced** tab
- **HLLAPI** tab
- **SSL** tab
- **SSH** tab (available in VT, SCO ANSI and WYSE-60 emulation only)
- **Graphics** tab
- **Diagnostics** tab
- **Miscellaneous** tab

Connect
This button applies all communication setup changes and connects the PASSPORT session to the host. This is the same as the **Communication→Connect** menu command.

Cancel
The **Cancel** button discards all communication setup modifications.

Help
The **Help** button displays help information on the current tab.

The **Communication→Setup** menu command can also be accessed by:

- toolbar button
- Alt + C, S key sequence

Communication→Connect

The **Communication→Connect** command establishes a PASSPORT session with the host computer. This command is unavailable when a session is already connected.

The **Communication→Connect** command can also be accessed by:

- toolbar button
- Alt + C, C key sequence

Communication→Disconnect

The **Communication→Disconnect** command causes PASSPORT to disconnect and terminate the current session with the host computer. This command is only available when a session is connected.

Depending on the settings in the **File→Options** dialog box, you may be prompted with the following question:

"Are you sure you want to disconnect from this session?"

- If you click **Yes**, PASSPORT disconnects and terminates the session.
- If you click **No**, PASSPORT does nothing and returns to the session.

The **Communication→Disconnect** command can also be accessed by:

- toolbar button
- Alt + C, D key sequence

Communication→Connection Log

The **Communication→Connection Log** menu command displays the PASSPORT connection log using the Windows Notepad program. This log displays all of the commands transmitted between PASSPORT and the TN3270 server, TN5250 server, VT, SCO ANSI or WYSE-60 host. The log file can be used for diagnostic purposes, such as determining why a mainframe session does not connect.

Note: This command is only available when a session is connected.

The **Communication→Connection Log** command can also be accessed by:

- Alt + C, C key sequence.

Options

Options→Colors

The **Options→Colors** command displays the **Colors** tab on the **Options** dialog box. Choose this command to customize and change the colors that PASSPORT uses to display text on the screen. Custom color assignments are saved with the session.

Category (for TN3270 and TN5250 sessions only)
There are sixteen different text categories that may be assigned a color. Only one of these may be selected at a time for customization.

Extended Attribute Colors There are seven extended attribute colors that the host mainframe can use for various text fields. These colors are only available if extended attributes are supported by the host mainframe and configured in PASSPORT.

- Host Blue (default is Blue)
- Host Green (default is Green)
- Host Turquoise (default is Turquoise)
- Host Red (default is Red)
- Host Pink (default is Pink)
- Host Yellow (default is Yellow)
- Host White (default is White)

Base Colors There are four base colors available for IBM terminals with or without extended attributes being used. Each color is used for each of the four basic text fields.

- **Unprotected Normal** (default is Green)

  These text fields are those that you are able to type data into, usually to relay that information back to the host computer.

- **Unprotected High** (default is bright Red)

  These fields are the same as unprotected normal except these fields are brighter than the normal intensity.

- **Protected Normal** (default is Cyan)

  The host protects these fields; text cannot be entered into these fields. These fields are used primarily for the host to communicate information to the user.

- **Protected High** (default is White)

  The host protects these fields; text cannot be entered into these fields. The high intensity feature makes the display of these fields stand out over the normal intensity fields.

Miscellaneous Colors

- **OIA Foreground** (default is White)

  This is the color of the text and special symbols that are displayed on the OIA (Operator Information Area) status line at the bottom of the PASSPORT screen.

- **OIA Background** (default is Black)

  This is the background color of the OIA (Operator Information Area) status line at the bottom of the PASSPORT screen.

- **Screen Background** (default is Black)

  This is the PASSPORT screen background color. The default background color is black.

- **Cursor**

  This is the PASSPORT screen background color. The default background color is black.

- **Cursor Ruler**

  This is the PASSPORT cursor ruler color. The default cursor ruler color is green.

Category (for VT and SCO ANSI sessions only)
There are twenty-four different text categories that may be assigned a color. Only one of these may be selected at a time for customization.

- Normal (default is Green)
- Blink (default is Yellow)
- Bold (default is Red)
- OIA Foreground (default is White)
- OIA Background (default is Black)
- Screen Background (default is Black)
- Black Normal
- Red Normal
- Green Normal
- Yellow Normal
- Blue Normal
- Magenta Normal
- Cyan Normal
- White Normal
- Black Bold
- Red Bold
- Green Bold

- Yellow Bold
- Blue Bold
- Magenta Bold
- Cyan Bold
- White Bold
- Cursor
- Cursor Ruler

Category (Wyse)
There are eight categories that may be assigned a color. Only one at a time may be selected for customization:

- Normal
- Blink
- Dim
- OIA Foreground
- OIA Background
- Screen Background
- Cursor
- Cursor Ruler

Colors
There are sixteen colors common to all Windows display drivers. PASSPORT allows you to assign any of these colors to any of the text categories. You may also select a color from the Windows color palette by clicking on the color palette icon.

Color Scheme
This feature allows you to preset your color scheme (using the different category options) to use with any PASSPORT session.

> **For example**: After making color changes to your items under the category selection, you can click on the **Save As** button to save this color scheme file (**.zcs**) to your PASSPORT installed folder so that you can use it with the current session or a different session.
>
> **Note**: This **.zcs** (Zephyr color scheme) file will be saved in the PASSPORT installed directory (C:\Program Files\PASSPORT\ by default). However, you can change this path to point to a different location.

To reset all text categories to their default colors, you'll need to select the **<default**> option under Color Scheme. When you select **<none>** for the color scheme all color modifications are stored in the .zws session profile.

Sample
In this area, the text is shown in the currently selected foreground and background colors, enabling you to see how the text color will appear.

Customize
The color selection for text or background on the screen can include any color available from the

Windows color palette. Any RGB (Red Green Blue) or HSL (Hue Saturation Luminance) values can be selected from the standard Windows color palette. In a client emulation session, press the "Customize..." button in the **Options→Colors** dialog box to select a custom color from the color palette.

Colors Affect APA Graphics (Available in TN3270 emulation only)
When this option is enabled, the color map for the Extended Attribute Colors is also used for the APA graphics that are displayed.

OK
The **OK** button applies and saves all modifications to the session profile and returns to the session.

Cancel
The **Cancel** button discards all modifications and returns to the session.

Apply
The **Apply** button applies all modifications.

Help
The **Help** button displays this help screen.

The **Options→Colors** command can also be accessed by:

- toolbar button
- Adding as an **action** to a custom keyboard, toolbar, keypad or hotspots.
- Alt + O, C key sequence
- Right-click, then click **Colors**

Options→Cursor

The **Options→Cursor** command displays the **Cursor** tab of the **Options** dialog box, allowing you to set the following cursor options.

Cursor Type
The default cursor type for the current session can be set to either **Underline** or **Block**.

Cursor Blink
The cursor can be set to blink when this option is enabled. Select the **On** option to enable this feature.

Cursor Ruler
The cursor ruler provides horizontal and/or vertical "cross-hairs" that intersect to pinpoint the position of the cursor in the session window. Select one of the following to enable the Cursor Ruler:

- **Cross**
  Displays both vertical and horizontal lines.
- **Vertical**
  Displays only a vertical line.
- **Horizontal**
  Displays only a horizontal line.

Note: this feature can also be enabled or disabled by using the Cursor Ruler key (Ctrl + Home on default PASSPORT keyboard).

Toggle Cursor Type during Insert Mode
When **Toggle Cursor Type during Insert Mode** is selected, enabling the Insert mode will switch the default cursor type, indicating that the mode is active. For example, if **Cursor Type** is set to **Block**, the cursor will change to **Underline** when the Insert mode is enabled, and vice versa.

Show Cursor Position on OIA line
When this option is selected, the cursor position (rows and columns) will be shown on the OIA (Operator Information Line) line during a connected session. The default is checked.

The **Options→Cursor** command can also be accessed by:

- Adding as an **action** to a custom keyboard, toolbar, keypad or hotspots.
- Alt + O, U key sequence

Note: You can also add this command as a toolbar button. See **Customize Toolbar**.

Options→Fonts

The **Options→Fonts** command displays the **Fonts** tab on the **Options** dialog box. Choose this command to change font options PASSPORT uses to display text on the screen. Font assignments are saved with the session.

Font Type
PASSPORT supports five different font types. The default font is the PASSPORT terminal font. However, both Windows raster and True Type fonts may also be used.

- **PASSPORT Terminal Font**
  This font is a bit-mapped raster font, closely resembling the font of a terminal. It has many available font sizes. When this option is chosen, all other configuration items in the **Fonts** tab become unavailable, with the exception of **Auto Size Window to Font Size**. This font is the default.

- **PASSPORT Thin Font**
  This font is basically the same as the PASSPORT terminal font, except thinner. This font is recommended for low resolution screen display, like 800 x 600 or 640 x 480.

- **PASSPORT True Type Font**
  This font contains all the characters in the PASSPORT Terminal font, but is more scalable. This font is recommended for very high resolution displays, like 1200 x 800 or 1600 x 1200. This font is also recommend for any resolution when you need a more scalable font and need more control over the size of the terminal emulation window.

- **Windows Raster Font**
  These fonts are similar to the PASSPORT Terminal font, but do not have as many font sizes to choose from (some may have only one font size). When this option is chosen, all of the available Windows fixed pitch raster fonts are displayed in the font list box, along with the font type and size.

- **Windows True Type Font**
  True Type fonts are scalable, and therefore have more sizes available than raster fonts, including the PASSPORT Terminal font. When this option is chosen, all of the available Windows fixed pitch True Type fonts are displayed in the font list box, along with the font type and size.

Sample
A sample of the currently selected font is displayed in this area. The sample gives you an idea of how the text will appear in the host session window.

Fixed Font Size
When this option is enabled, the font size is determined by the **Size** setting. When the window is resized, the font size remains. If data is pushed off the screen due to the font size, vertical and/or horizontal scroll bars may be displayed, which the user can use to view host data which is currently off the screen.

Auto Size Window to Font Size
With this option enabled, the PASSPORT window can be resized, but the resulting size is a multiple of the screen size and the font size.

Font
The **Font** list box contains a list of the available Windows fonts that you can choose from. Some of these fonts may include Courier, FixedSys, Courier New, etc.

Font Style
The **Font Style** list box provides a list of the available styles for the selected font. The two most common font styles are Regular and Bold. PASSPORT does not support the Italic style.

Size
The **Size** box lists all the point sizes available for the selected font.

OK
The **OK** button applies and saves all modifications to the session profile and returns to the session.

Cancel
The **Cancel** button discards all modifications and returns to the session.

Apply
The **Apply** button applies all modifications.

Help
The **Help** button displays this help screen.

The **Options→Fonts** command can also be accessed by:

- toolbar button
- Adding as an **action** to a custom keyboard, toolbar, keypad or hotspots.
- Alt + O, F key sequence
- Right-click, then click **Fonts**

Options→Graphics

A graphics input cursor will appear when in the edit mode of a graphics application.

Note: This tab is only available when a TN3270 session is active. TN5250, VT, SCO ANSI and WYSE-60 sessions do not support graphics.

Graphics Input Cursor Type
This option enables you to set the default graphics cursor type. The available choices are:

- Small White
- Large White
- Small Green
- Large Green

OK
The **OK** button applies and saves all modifications to the session profile and returns to the session.

Cancel
The **Cancel** button discards all modifications and returns to the session.

Apply
The **Apply** button applies all modifications.

Help
The **Help** button displays this help screen.

The **Options→Graphics** command can also be accessed by:

- Adding as an **action** to a custom keyboard, toolbar, keypad or hotspots.
- Alt + O, G key sequence

Options→Hotspots

The **Options→Hotspots** command enables you to change hotspot settings.

Select Hotspots
You can choose the **Disable**, **Default,** or **Custom** option to specify whether you want to disable hotspots, or use the default or a custom .zhs file to determine hotspots on the host screen. If you want to customize a hotspot file, choose **Default** and click **Customize**.

Custom Hotspots Filename
The **Custom Hotspots Filename** area displays the path and file name of the custom hotspot file (.zhs extension) that will take effect if you press **Apply**. This field cannot be edited. To change to another hotspot file, click the **Browse** button. This field is not available when the **Disable** or **Default** option is selected.

View Hotspots
When the **View Hotspots** check box is selected, hotspots will appear highlighted on the host screen.

Customize
The **Customize** button displays the **Customize Hotspots** dialog box, which provides the ability to specify custom and PF key hotspots on the host. The hotspot file currently selected is the one that will be customized.

Browse
The **Browse** button displays the **Select Hotspots File** dialog box and allows you to choose a hotspot file (.zhs extension) for use in the session. The hotspot path and file name will appear in the **Custom Hotspots Filename** area.

OK
The **OK** button applies all hotspot settings and returns to the session.

Cancel
The **Cancel** button discards all changes to hotspot settings and returns to the session.

Apply
The **Apply** button applies hotspot settings to the current session.

Help
The **Help** button displays this help screen.

The **Options→Hotspots** command can also be accessed by:

- toolbar button
- Adding as an **action** to a custom keyboard, toolbar, keypad or hotspots.
- Alt + O, H key sequence

Note: You can add this command as a toolbar button. See **Customize Hotspots**.

Options→Keyboard

The **Options→Keyboard** command allows a predefined keyboard map to be selected. It also allows you to customize a keyboard map.

Keyboard Type
PASSPORT supports two different keyboard types. The keyboard that comes with most PC systems is the IBM Enhanced 101/102 keyboard. The 101 keyboard is used in the United States, and the 102 keyboard is mostly used in Europe. The Key Tronic KB3270 Plus 122 key keyboard is almost identical to the keyboard used with actual IBM mainframe terminals and supports 24 program function keys.

For information on configuring the Key Tronic keyboard refer to the **Key Tronic KB3270 Plus Keyboard** article in this help file. For the Key Tronic keyboard, only the PASSPORT and custom keyboard maps can be selected.

Select Keyboard Map
PASSPORT provides its own TN3270, TN5250, VT, SCO ANSI and WYSE-60 keyboard maps, as well as keyboard maps for other popular terminal emulation packages. The following keyboard maps are supported:

- PASSPORT
- Attachmate EXTRA!
- Wall Data RUMBA
- IBM PC/3270
- IRMA
- Custom

If you want to customize a keyboard, choose a keyboard map to use as a baseline because the keyboard map currently in effect when you click **Customize** is the one that will be changed. Use the **Browse** button to select a custom keyboard map for use in the session. The keyboard map file (.zkb extension) appears in the **Custom Keyboard Map** area.

Customize
The **Customize** button displays the **Customize Keyboard Editor** dialog box, which allows almost any key on the keyboard to be mapped to an **action**. The keyboard map currently in effect is the one used as a baseline for customization.

Custom Keyboard Map
The **Custom Keyboard Map** area displays the path and file name of the custom keyboard map that will take effect if you click **Apply**. This field cannot be edited. To select a custom keyboard map file, click the **Browse** button. This field is not available when a predefined keyboard map option is selected.

Note: Zephyr provides a custom keyboard map file for use with a DEC LK201 style keyboard (VT sessions only). To use this keyboard map, select the **Browse** button and choose DEC-LK201.zkb from the **Select Keyboard Map File** dialog box.

Browse
The **Browse** button displays the **Select Keyboard Map File** dialog box and allows you to choose a keyboard map file (.zkb extension) for use in the session. The keyboard map path and file name appears in the **Custom Keyboard Map** area.

APL Character & Keyboard Support (3270 display sessions only)
PASSPORT provides support for displaying APL Characters on the screen. Individual APL characters may be mapped to keys on a custom keyboard map, or to utilize all available APL characters, select the APL keyboard map from the Options tab for the session profile. Below is a list of the default key mappings for the APL characters in the APL keyboard map:

Character	Name	Mapped To
	A Underbar	Alt + a
	B Underbar	Alt + b
	C Underbar	Alt + c
	D Underbar	Alt + d
	E Underbar	Alt + e
	F Underbar	Alt + f
	G Underbar	Alt + g
	H Underbar	Alt + h
	I Underbar	Alt + i
	J Underbar	Alt + j
	K Underbar	Alt + k
	L Underbar	Alt + l
	M Underbar	Alt + m
	N Underbar	Alt + n
	O Underbar	Alt + o
	P Underbar	Alt + p
	Q Underbar	Alt + q
	R Underbar	Alt + r
	S Underbar	Alt + s
	T Underbar	Alt + t
	U Underbar	Alt + u
	V Underbar	Alt + v
	W Underbar	Alt + w
	X Underbar	Alt + x
	Y Underbar	Alt + y
	Z Underbar	Alt + z
	Down Tack Jot	Alt + '
	Up Tack Jot	Alt + ;
	Up Shoe Jot	Alt + ,
	Slope Bar	Alt + .
	Slash Bar	Alt + /
	Quad Quote	Alt + [
	Dieresis Dot	Alt + \
	Delta Underbar	Alt +]
	Quad Slope	Alt + `
	Down Tack Up Tack	Alt + 1
	Del Tilde	Alt + 2
	Del Stile	Alt + 3
	Delta Stile	Alt + 4
	Circle Stile	Alt + 5
	Circle Slope	Alt + 6
	Circle Bar	Alt + 7
	Circle Star	Alt + 8
	Down Caret Tilde	Alt + 9

	Up Caret Tilde	Alt + 0
	Quote Dot	Alt + -
	Quad Divide	Alt + =
	Left Shoe	Shift + z
	Right Shoe	Shift + x
	Up Shoe	Shift + c
	Down Shoe	Shift + v
	Down Tack	Shift + b
	Up Tack	Shift + n
	Stile	Shift + m
	Slope	Shift + /
	Alpha	Shift + a
	Up Stile	Shift + s
	Down Stile	Shift + d
	Del	Shift + g
	Delta	Shift + h
	Jot	Shift + j
	Quad	Shift + l
	Omega	Shift + w
	Epsilon	Shift + e
	Rho	Shift + r
	Up Arrow	Shift + y
	Down Arrow	Shift + u
	Iota	Shift + i
	Circle	Shift + o
	Tilde	Shift + t
	Equal Underbar	\
	Epsilon Underbar	Shift + \
	Iota Underbar	Shift +]
	Right Arrow	Shift + [
	Overbar	Shift + 2
	Not Greater	Shift + 4
	Not Less	Shift + 6
	Not Equal	Shift + 8
	Down Caret	Shift + 9
	Up Caret	Shift + 0
	Divide	Shift + =
	Left Arrow	[
	Dieresis	Shift + 1
	Left Right Bracket	]
	Times	=
	Right Bracket	'
	Left Bracket	;
	Quad Jot	Shift + `

Note: in order to utilize the entire APL character set, you must use the PASSPORT True Type Font with your session. This is configured from the **Options→Fonts** menu command. Using any other font will result in a subset of the APL character set.

Language

The following international languages are support for keyboard layout, screen display, and character translation:

- **Belgian**
- **Canadian French**
- **Danish**
- **Dutch**
- **English (UK)**
- **English (US)**
- **French**
- **German/Austrian**
- **Italian**
- **Latin American**
- **Norwegian**
- **Portuguese/Brazilian**
- **Spanish**
- **Swedish/Finnish**
- **Swiss French**
- **Swiss German**

Type Ahead
If this option is enabled, PASSPORT buffers all keystrokes that are typed while the emulator is in the **X Clock** or **X System** wait condition. Once the wait condition goes away, PASSPORT then processes the keys that were buffered. The type ahead buffer is large enough to hold 256 keys.

If this option is disabled, PASSPORT discards keystrokes that are typed while the emulator is in the wait condition. The **X –f** or **X ?+** symbols may be displayed in the **OIA status line** indicating that typing of text is not permitted at this time.

Auto-Repeat for AID keys
When enabled, this option allows the user to hold AID keys in order to repeat them. If this option is disabled, the user must press the AID key, release, then press again to repeat.

Note: this option is not available for VT, SCO ANSI or WYSE-60 sessions. Auto-repeat is always enabled for these sessions.

OK
The **OK** button applies and saves all modifications to the session profile and returns to the session.

Cancel
The **Cancel** button discards all modifications and returns to the session.

Apply
The **Apply** button applies all modifications.

Help
The **Help** button displays this help screen.

The **Options→Keyboard** command can also be accessed by:

- toolbar button
- Adding as an **action** to a custom keyboard, toolbar, keypad or hotspots.
- Alt + O, K key sequence
- Right-click, then click **Keyboard**

Options→Keypad

The **Options→Keypad** command allows the default or custom keypad to be selected or customized. A keypad is a floating box with an array of buttons that perform an **action**. The keypad can be repositioned anywhere on the screen, or can be docked to any side of the emulation window.

Select Keypad
PASSPORT provides a 4 × 4 default keypad as well as custom keypads. Custom keypads may have up to 14 rows by 8 columns.

Customize
The **Customize** button displays the **Customize Keypad** dialog box that provides the ability to map keypad buttons to any **action**. The keypad currently in effect is the one that will be customized.

Custom Keypad Filename
This field displays the file name of the custom keypad that is being used. This field cannot be edited. Use the **Browse** button to select a different custom keypad file. All keypad files must have the .zkp file extension.

Browse
The **Browse** button displays the **Select Keypad File** dialog box and allows you to choose a keypad file to use as your custom keypad.

View Keypad
If this option is enabled, the keypad is displayed. Disable this option to hide the keypad.

Enable Docking
Enable this option to allow the keypad to be docked to any side of the PASSPORT window. To dock the keypad, simply click the title bar then drag-and-drop it onto the appropriate side of the PASSPORT window. When this option is disabled the keypad will always be floating.

OK
The **OK** button applies and saves all modifications to the session profile and returns to the session.

Cancel
The **Cancel** button discards all modifications and returns to the session.

Apply
The **Apply** button applies all modifications.

Help
The **Help** button displays this help screen.

The **Options→Keypad** command can also be accessed by:

- Adding as an **action** to a custom keyboard, toolbar, keypad or hotspots.
- Alt + O, P key sequence

Options→Macro

Editor to use for macro files
Type the name of the program to use for editing PASSPORT macros, or click Browse to search for the executable. By default, Notepad is used for editing these text files.

Macro record WaitForHostUpdate timeout
Enable this option to automatically place wait conditions between commands during macro recording. Enter a number between 1 and 100 to specify the number of seconds to wait before indicating a time out condition. The default value is 10 seconds.

OK
The **OK** button saves all configuration changes and returns to the session.

Cancel
The **Cancel** button discards any configuration changes and returns to the session.

Apply
The **Apply** button applies any modifications.

Help
The **Help** button displays this help screen.

Options→Mouse

The **Options→Mouse** command displays the **Mouse** tab of the **Options** dialog box, which controls PASSPORT mouse settings, enabling you to execute specified host keys, functions, and macros by simply clicking the mouse. The following setting options are available.

Select Mouse Button Action
This area designates a type of mouse-click for customization.

- **Left Button – Single Click**
- **Left Button – Double Click**
- **Right Button – Single Click**
- **Right Button – Double Click**

Note: Caution should be used when assigning a function or macro to your primary single-click button (left, usually), as it may interfere with normal Windows operation and maneuvering.

Default
The **Default** button restores all mouse settings to the PASSPORT default.

Select Function to Perform
This area assigns a macro, function, or host key to the designated mouse button action.

- **Macro**
  The **Macro** option presents a list of macros that can be assigned to the designated mouse click. If your macro does not appear in the list, use **Macro Dir** to navigate to the correct folder.
- **Function**
  The **Function** option assigns a function to the designated mouse click. The available functions are as follows:
    - **NULL**
      This option indicates that no function is assigned to the designated mouse click.
    - **Display Floating Menu**
      This option activates the shortcut menu.
    - **Hotspot Detect**
      This option activates hotspots on the host screen.
    - **Hotspot/Move Cursor and Enter**
      This option activates hotspots on the host screen when they are clicked; otherwise, this option positions the cursor at the location of the mouse click, and then carries out the Enter command.
    - **Hotspot Show/Remove**
      This option makes hotspots on the host screen visible or not visible.
    - **Keypad Show/Remove**
      This option makes the keypad visible or not visible.
    - **Light Pen Emulation**
      This option emulates light pen operation.

- **Move Cursor**
  This option positions the cursor at the location of the mouse click.

- **Move Cursor and Enter**
  This option positions the cursor at the location of the mouse click and then carries out the Enter command.

- **Host Key**
  The Host Key option lists all of the available **TN3270 host keys**, **TN5250 host keys**, **VT host keys, SCO ANSI host keys** and **WYSE-60 host keys** that can be assigned to the designated mouse click. In addition to sending a host key command, you can define a mouse click to do other things, such as toggle the cursor ruler on and off, or even activate a macro.

Move Cursor Before Running Macro
When **Move Cursor Before Running Macro** is selected, a mouse click that activates a macro will position the cursor (as a standard mouse click) before running the macro. When the check box is cleared, the macro will start immediately. This option may affect the execution of certain macros. For example, a login macro may require that the cursor be in a specific field before executing.

Macro Dir
The **Macro Dir** button allows you to specify a folder with macro files. Use the **Macro Dir** button if you store macro files somewhere other than the default PASSP0RT folder. All .zmc files in the specified folder are displayed when you click the **Macro** option.

OK
The **OK** button applies all mouse settings and returns to the session.

Cancel
The **Cancel** button discards all changes to the mouse settings and returns to the session.

Apply
The **Apply** button applies the mouse settings to the current session.

Help
The **Help** button displays this help screen.

The **Options→Mouse** command can also be accessed by:

- Adding as an **action** to a custom keyboard, toolbar, keypad or hotspots.
- Alt + O, O key sequence

Options→Toolbar

The **Options→Toolbar** command enables you to change various toolbar settings, or switch to a custom toolbar. You can also create new custom toolbars.

Select Toolbar Type
You can choose either the **Default** or **Custom** option to specify which toolbar you want to apply or customize. If you want to customize a toolbar, choose a toolbar to use as a baseline, since the toolbar currently in effect when you click **Customize** is the one that will be changed. Use the **Browse** button to select a custom toolbar for use in the session. The toolbar file (.ztb extension) will appear in the **Custom Toolbar Filename** field.

Customize
The **Customize** button displays the **Customize Toolbar** dialog box, which provides the ability to add, remove, or reposition buttons on the toolbar. The toolbar currently in effect is the one that will be customized.

Custom Toolbar Filename
The **Custom Toolbar Filename** area displays the path and file name of the custom toolbar that will take effect when you click **Apply**. This field cannot be edited. To select another toolbar file, click the **Browse** button. The field is not available when the **Default** toolbar type is selected.

Browse
The **Browse** button displays the **Select Toolbar File** dialog box and allows you to choose a toolbar file (.ztb extension) to use as your custom toolbar.

Size
The **Size** group allows you to specify the size of the toolbar buttons. You may select the **Small** or **Large** button options. Small buttons are the default.

Show Button Text
With this option enabled, toolbar button descriptions will be displayed below the icon.

Show Tool Tips
When the **Show Tool Tips** check box is enabled, placing the mouse pointer over a toolbar button displays the name of the button in a tool tip. If tool tip text is not entered for a button, the button text will be displayed.

OK
The **OK** button applies all toolbar settings and returns to the session.

Cancel
The **Cancel** button discards all changes to the toolbar settings and returns to the session.

Apply
The **Apply** button applies the toolbar settings to the current session.

Help
The **Help** button displays this help screen.

The **Options→Toolbar** command can also be accessed by:

- Adding as an **action** to a custom keyboard, toolbar, keypad or hotspots.
- Alt + O, T key sequence

Options→Transfer

The **Options→Transfer** command displays the **Transfer** tab in the **Options** property sheet.

File Transfer Method
There are two types of file transfer methods that can be used with PASSPORT:

- **IND$FILE (TN3270 emulation only)**
  Uses the native IBM host file transfer program to send and receive files to and from the mainframe host.
- **FTP**
  Uses the File Transfer Protocol to transfer files to and from any FTP Server.

  FTP Server Settings
  When the FTP File Transfer Method is selected, click this button to display the **FTP Server Settings** dialog box.

File Transfer Schemes
Choose the appropriate transfer scheme to use from the drop-down list. The list will vary depending on the **File Transfer Method** selected. Click one of the following buttons to manage file transfer schemes:

- **Customize**
  Click this button to display either the **IND$FILE File Transfer Scheme** or the **FTP File Transfer Scheme** dialog box, depending on the **File Transfer Method** that is selected.
- **Browse**
  Click this button to search for and open an existing file transfer scheme file. IND$FILE transfer schemes have a .zti extension, while FTP transfer schemes have a .ztf extension.

Number of Recent File Transfer List
Enter a numeric value between 0 and 16, which will determine the number of recent file transfers to save for future use on the Transfer menu. If 0 is entered, items will not be saved to the list.

Clear List
Click this button to remove the current entries in the recent file transfer list. A dialog box will display indicating that the list has been cleared. Click **OK** to return to the **Transfer** tab.

OK
The **OK** button saves your modifications and returns to the session.

Cancel
The **Cancel** button discards any modifications and returns to the session.

Apply
The **Apply** button saves your modifications and remains on the **Options→Transfer** dialog box.

Help
The **Help** button displays this screen.

The **Options→Transfer** command can also be accessed by:

- Adding as an **action** to a custom keyboard, toolbar, keypad or hotspots.
- Alt + O, A key sequence

Note: You can also add this command as a toolbar button. See **Customize Toolbar**.

Options→Window Title

The **Options→Window Title** command displays the **Window Title** tab in the **Options** property sheet.

The following options determine the text that will display on the window title bar of the session:

Session Short Name (HLLAPI)
Displays the **HLLAPI Short Name** for the session. This is determined by the **HLLAPI Session Name** setting on the **HLLAPI** tab of the **Communication→Setup** property sheet.

Enclose Session Short Name in Parentheses
Enable this option to display the **Session Short Name** in parentheses, or disable to display the **Session Short Name** alone. This option is only available when the **Session Short Name (HLLAPI)** option is enabled.

Session Long Name (HLLAPI)
Displays the **HLLAPI Long Name** for the session. This is determined by the **HLLAPI Session Name** setting on the **HLLAPI** tab of the **Communication→Setup** property sheet.

Session Profile Name
Enable this option to display the name of the PASSPORT configuration file for the session (.ZWS). With this option enabled, you must also select one of the following formats:

- **Short**
  Displays only the profile name, for example:

  Passport.zws

- **Long**
  Displays the profile name along with the full path, for example:

  c:\Program Files\PASSPORT\Passport.zws

Session Name
Enable this option to enter a customized window title, which may include any Windows system variable. For example, **%USERNAME%** displays the currently logged in user or **%COMPUTERNAME%** displays the workstation name.

Note: from a Windows command prompt, type SET to display a list of the current variables available on a workstation. Custom variables may be added from the Advanced tab of Windows System Properties.

Session Dimensions
Enabling this option displays the screen dimensions for the session. These are determined by the **Screen Size** setting on the **Connection** tab of the **Communication→Setup** property sheet.

Separator
Enable this option to enter a single character to use for separating each of the above options.

Options→VT

Note: This is available only for VT and SCO ANSI sessions.

These VT specific options are described below:

Return Key
The Return Key may be set to CR (Carriage Return) or CRLF (a combination of Carriage Return and Line Feed.)

Answer Back Message
This option is used to establish a question and answer sequence between the host and the client. This message is limited to 20 characters. The answerback message is typically used to identify the terminal to the host by sending a message to the host, automatically, without operator action. Hexadecimal is represented by the tilde and hex number. (An hexadecimal example is ~0D for hex 13, which represents the 13th ASCII character sequence.)

Local Echo
This option echoes back each character typed; for instance, when p3 is typed, pp33 is displayed back.

Wrap Around
The Wrap around option permits typing beyond the 80-character limitation (on an 80 character-wide screen) by wrapping the continued line on to the next line.

Line Transmit Mode
This option sends an entire line. Compare this to the normal character transmit mode, where each character is sent on a character-by-character basis.

Reverse Screen Image
This option reverses the background and foreground colors. For instance, the customary black background with green letters becomes a green background with black letters.

Scroll Speed (Lines Per Second)
Determines the speed at which lines will scroll on the emulation screen (from 1 to 100; default is 5). When this option is disabled, lines of data will scroll as fast as they are received from the host.

Pass-Through Printing

- **Bypass Windows Printer Driver**
  Enable this option to send print jobs directly to the printer without interpretation by the Windows printer driver. This removes the form feed sent by the driver at the end of print jobs.

- **Disable Printer Translation**
  Enable the **Disable Printer Translation** option to prevent any character translation and to print characters exactly as they come from the host. No character set translation is made from the host code page to the PC code page. You should use this option if the host already generates characters in the correct character set for your printer.

  Note: the **Bypass Windows Printer Driver** option must be enabled to use this feature.

OK
The **OK** button saves all configuration changes and returns to the session.

Cancel
The **Cancel** button discards any configuration changes and returns to the session.

Apply
The **Apply** button applies any modifications.

Help
The **Help** button displays this help screen.

Options→Wyse

Note: This is available only for Wyse-60 sessions.

These Wyse specific options are described below:

Screen Display

Size
Choose one of the following screen sizes for the session:

- 24 row x 80 column
- 24 row x 132 column
- 25 row x 80 column
- 25 row x 132 column
- 42 row x 80 column
- 42 row x 132 column
- 43 row x 80 column
- 43 row x 132 column

Status Line
Specifies the type of status line displayed at the top of the emulation workspace. Both the Standard and Extended status lines display messages about the state of the emulation or application. The Extended status line displays additional editing status messages. The default for this option is Standard.

Attribute Extent
This option determines whether display attributes only apply to characters written to the screen (Char), are active to the end of the line (Line) or the end of the page (Page).

Reverse Screen Image
This option reverses the background and foreground colors. For instance, the customary black background with green letters becomes a green background with black letters.

Cursor Modes

Map CR to CR/LF
Determines how incoming carriage return (CR) characters are to be displayed on the screen. With this option disabled, a CR is displayed as itself and when enabled, a CR is displayed as a carriage return and a line feed (LF).

End-of-line Wrap
Determines what happens to the cursor and data sent to the display when the end of the current line is reached. When selected, the cursor will automatically move to the beginning of the next line. When unselected, the cursor will remain at the end of the current line and each new character sent to the display will overwrite the character already occupying the

cursor position.

Auto Scroll
Determines what happens when the cursor is moved beyond the last line of the current page. When selected, the displayed data scrolls up and the cursor remains on the last line. When unselected, the cursor moves to the top of the same page. This option is enabled by default.

Scroll Speed (Lines Per Second)
Determines the speed at which lines will scroll on the emulation screen (from 1 to 100; default is 5). When this option is disabled, lines of data will scroll as fast as they are received from the host.

Answerback

Send Answerback
This option is used to establish a question and answer sequence between the host and the client. This message is limited to 20 characters. The answerback message is typically used to identify the terminal to the host by sending a message to the host, automatically, without operator action. Hexadecimal is represented by the tilde and hex number. (A hexadecimal example is ~0D for hex 13, which represents the 13th ASCII character sequence.)

Send Ack
Specifies whether an ASCII ACK character is sent to the host after certain commands have been executed.

OK
The **OK** button saves all configuration changes and returns to the session.

Cancel
The **Cancel** button discards any configuration changes and returns to the session.

Apply
The **Apply** button applies any modifications.

Help
The **Help** button displays this help screen.

Options→Miscellaneous

TN3270 Attention Key Sequence (Only available in TN3270 emulation sessions)
This parameter determines the sequence of characters sent to the host whenever the TN3270 Attention key is pressed. Unfortunately, there is no industry standard method of sending the TN3270 Attention key using TN3270. As a result, PASSPORT supports the TN3270 Attention key differently depending upon the TN3270 Server. Select **Telnet** if you use a non-IBM TCP/IP host package. Select **IBM** if you use an IBM TN3270 Server or IBM mainframe TCP/IP host program.

Note: When TN3270E is used, this configuration parameter is ignored, as TN3270E offers a standard method to send the TN3270 Attention key to the host. When TN3270E is configured in **Communication→Setup - Connection**, this option is unavailable.

Column Separator (Only available in TN5250 emulation sessions)
This option determines whether the column separator is a dot, a line or is disabled.

Bell
The bell is an alarm that is signaled by the host application. If you do not wish to hear alarms sent by a host application, select the **Off** option.

Custom Bell Sound
This option allows you associate a custom **.wav** file to your **Bell** feature.

Automatically Unlock Keyboard and Reset X SYSTEM
If you press the ENTER key or some other host key and the X SYSTEM stays on the OIA line and does not go away, then select this check box. This can occur when the IBM Host application does not send the **Keyboard Unlock** command to PASSPORT. This rarely happens, but when it does, it is usually with very old mainframe programs, and with CICS.

Numeric Field Checking
When enabled, this function allows only the numbers "0" through "9", the "+", the "-", the "." and the "," characters to be entered into TN3270 fields that are marked as numeric entry fields. "NUM" is displayed in the Operator Information Area (OIA) whenever the cursor is positioned on a numeric field.

Disable Menu Accelerator Keys
If you check this option, all menu accelerator keys are disabled and may be mapped using PASSPORT's **Options→Keyboard** feature. For example, Ctrl-C is a menu accelerator key for the **Edit→Copy** pull-down menu option. If you want to map the Ctrl-C to a host key, such as the CLEAR key, you must first check **Disable Menu Accelerator Keys** to disable all menu accelerator keys.

Display Blinking Fields as Reverse Video
PASSPORT does not support the blinking extended attribute. If you check this option, all text with the blinking extended attribute is displayed in reverse video. Use this option when it is necessary to distinguish blinking text from non-blinking text.

Send Reset key before Arrow Keys
If you check this option and you use any of the up, down, left or right arrow keys, the reset key is sent first to release any keyboard inhibit condition. A keyboard inhibit condition is indicated by the X in the OIA status line. Then the up, down, left or right arrow key is sent to move the cursor accordingly.

Display 3270 Program Check Error (TN3270 only)
If you check this option, any invalid 3270 data stream program check error messages are displayed in the Operator Information Area (OIA) in the form of **X PROG xxx**. The user must

issue a RESET command to clear the error and continue. Un-check this option to ignore the invalid data stream and prevent the program check errors from displaying. For a list of possible messages, please refer to the **Troubleshooting** section of the **Technical Reference**.

Show Unprotected Fields (TN3270 only)
Enable this option to display all unprotected fields on the screen using one of the following methods:

- Dot
- Underline
- Reverse Video

OK
The **OK** button saves all configuration changes and returns to the session.

Cancel
The **Cancel** button discards any configuration changes and returns to the session.

Apply
The **Apply** button applies any modifications.

Help
The **Help** button displays this help screen.

The **Options→Miscellaneous** command can also be accessed by:

- Adding as an **action** to a custom keyboard, toolbar, keypad or hotspots.
- Alt + O, M key sequence

Options→Form Feed (Printer Session Only)

The **Form Feed** command sends a manual page feed instruction to the Windows printer. The host system is not notified of this action.

The **Options→Form Feed** command can also be accessed by:

- Alt + O, F key sequence

Transfer

Transfer→Send/Receive

Displays either the **IND$FILE File Transfer** or **FTP File Transfer** dialog box, depending on the **File Transfer Method** selected from the **Options→Transfer** screen.

Transfer List Name
Choose an existing transfer list from the drop-down list. Choose <none> to clear the list or <recent transfer list> to add the most recently transferred file(s) to the current list.

Use the following buttons to manage the currently selected list:

Click …		To do this…
	Open List (Alt+O)	Open an existing transfer list
	Save List As (Alt+A)	Save the current transfer list
	New Item (Alt+N)	Add a new item to the transfer list
	Delete Item (Alt+X)	Delete the currently selected item from the transfer list
	Move Item Up (Alt+Up Arrow)	Move the currently selected item up in the list
	Move Item Down (Alt+Down Arrow)	Move the currently selected item down in the list

PC File Name
Type the PC File Name for the selected item, or select the Browse button to search for the file. This field will be automatically populated if the Host File Name is entered first.

Receive from Host
Choose Receive from Host to download the Host File Name from the host to the local PC for the selected item.

Send to Host
Choose Send to Host to upload the PC File Name from the local PC to the host for the selected item.

Host File Name
Type the Host File Name for the selected item. This field will be automatically populated if the PC File Name is entered first.

Transfer Scheme
Choose the Transfer Scheme to use for the selected item from the drop-down list.

Scheme Details
Displays information about the currently selected scheme.

Customize Scheme
Select the Customize Scheme button to display the **IND$FILE File Transfer Scheme** or **FTP File Transfer Scheme** property page, which allows you to configure the currently selected scheme.

Transfer
Select the Transfer button to initiate the file transfer(s) based on the information provided.

Cancel
Ignores all changes made to unsaved transfer lists and returns to the session window.

Help
The **Help** button displays this help screen.

The **Transfer→Send** command can also be accessed by:

- toolbar button
- Alt + T, S key sequence

The **Transfer→Receive** command can also be accessed by:

- toolbar button
- Alt + T, R key sequence

Transfer→FTP

The **Transfer→FTP** command launches PASSPORT FTP Client to provide fast file transfer between the host system and your PC. For more information about FTP Client, see **Using FTP File Transfer**.

The **Transfer→FTP** menu command can also be accessed by:

- toolbar button
- Alt + T, F key sequence

Transfer→Recent File Transfer List

Each time a file transfer operation is performed, whether a single file or a group of files saved in a transfer list, an entry is added to the Recent File Transfer List on the Transfer menu. The number of file transfers listed may be configured using the **Options→Transfer** menu command and can range from 0 to 16. If 0 is entered, items will not be saved to the list.

Macro

Macro→Run

The **Macro→Run** command displays the **Open** dialog box, allowing you to choose from a list of macros to run. Choose the macro file you wish to run and click **OK**.

When a macro is running, the following occurs:

- The text "RUN" appears on the status bar at the bottom of the window.
- The **Macro→Run** menu command becomes the **Macro→Stop** menu command.

The **Macro→Run** command can also be accessed by:

- toolbar button
- Alt + M, R key sequence

Macro→Stop

Use the **Macro→Stop** command to stop the execution of a running macro.

The **Macro→Stop** command can also be accessed by:

- toolbar button
- Alt + M, S key sequence

Macro→Record

The **Macro→Record** command starts recording a macro. Before you record a macro, be sure that you know all the actions you want to perform. This requires careful planning, because you must take into account the response time of the host system—the macro will occasionally need to wait for certain events to occur before proceeding with the rest of the actions. If this is not done, the macro may execute incorrectly, or may not execute to completion. During the recording of a macro, PASSPORT records all keystrokes, including characters and TN3270, TN5250, VT, SCO ANSI or WYSE-60 functions.

When a macro is being recorded, the following occurs:

- The text "RECORD" appears on the status bar at the bottom of the window.
- The **Macro→Record** menu command becomes **Macro→End Record**.
- The **Macro→Run** menu command is unavailable.
- The **Pause** command is added to the **Macro** menu.
- The **Insert Wait** command is added to the **Macro** menu.
- The **Insert Prompt** command is added to the **Macro** menu.

The **Macro→Record** command can also be accessed by:

- toolbar button
- Alt + M, R key sequence

Macro→End Record

Use the **Macro→End Record** command to stop the recording of a macro and display the **Save As** dialog box, allowing you to specify the name and saved location of a macro file.

Note: All macro files must have a .zmc extension.

The **Macro→End Record** command can also be accessed by:

- toolbar button
- Alt + M, E key sequence

Macro→Pause

The **Macro→Pause** command allows you to temporarily suspend the recording of a macro while other Windows operations are carried out. The text "PAUSE" will appear on the status bar when a recording macro is paused. Also, a check mark will be placed next to the **Macro→Pause** menu command, indicating that recording is currently paused. When you are ready to resume recording, choose the **Macro→Pause** command again to toggle recording back on.

The **Macro→Pause** command can also be accessed by:

- Alt + M, P key sequence

Macro→Insert Wait

The **Macro→Insert Wait** command—invoked during the recording of a macro—displays the **Insert Wait** dialog box, which allows you to specify conditions to check before proceeding to the next macro statement. The following wait condition options are available:

Wait for n Seconds
When this option is selected, the number specified by **n** determines the number of seconds the function waits before proceeding. This option corresponds to the **Wait** function.

Wait for X-inhibited condition to go away
When this option is selected, the macro will wait until the **X System** or other **X** indicator has been removed from the **OIA status line** before proceeding with the execution of the macro. This option corresponds to the **WaitForNoX** function.

Wait for text string
When this option is selected, the macro will wait until the specified text is entered (it is not case sensitive) at the specified row and column before proceeding with the execution of the macro. This option corresponds to the **WaitForString** function.

Wait for the cursor to be positioned
When this option is selected, the macro will wait until the cursor is positioned at the specified row and column before proceeding with the execution of the macro. This option corresponds to the **WaitForCursorPos** function.

Time out for n Seconds
This time-out value specifies the number of seconds the macro will wait for the condition to be fulfilled before it proceeds accordingly.

OK
The **OK** button inserts the wait condition into the macro and proceeds with the recording.

Cancel
The **Cancel** button returns to the recording of the macro without inserting a wait condition.

Help
The **Help** button displays this help screen.

The **Macro→Insert Wait** command can also be accessed by:

- Alt + M, W key sequence

Macro→Insert Prompt

The **Macro→Insert Prompt** command—invoked during the recording of a macro—displays the **Insert Prompt** dialog box, allowing you to specify a user prompt in the execution of your macro script. A message box will prompt the user before the macro proceeds to the next command.

Type of Prompt
This area provides three options for prompts that can be inserted into a macro:

- **Input data, display**
  When this option is selected, a message box with the text specified by **Enter text for prompt** and a field for user-entered text is displayed. This option corresponds to the **MsgBoxGetInput** function.
- **Input data, no display**
  When this option is selected, a message box with the text specified by **Enter text for prompt** and a field for user-entered confidential text is displayed. Confidential user-entered text (such as passwords) is not displayed in the field. This option corresponds to the **MsgBoxGetPassword** function.
- **Message only, no display**
  When this option is selected, a message box displays only the text specified by **Enter text for prompt**. This type of message box can be helpful in debugging macros or displaying useful information to users. This option corresponds to the **MsgBox** function.

Enter text for prompt
This field specifies the text string that will appear on the message box displayed during the execution of the macro.

OK
The **OK** button inserts the prompt statement into the macro and proceeds with the recording.

Cancel
The **Cancel** button returns to the recording of the macro without inserting a prompt statement.

Help
The **Help** button displays this help screen.

The **Macro→Insert Prompt** command can also be accessed by:

- Alt + M, I key sequence

Macro→Edit

The **Macro→Edit** command displays the **Open** dialog box, allowing you to choose a macro file for editing in Notepad. When you are finished editing, choose **File→Save** in Notepad to save the changes.

Note: When you save your macro, you must enclose the macro file name (with a .zmc extension) in double quotes, or your file will be saved with Notepad's default .txt extension. For example, you should specify **"logon.zmc"** instead of just **logon.zmc** to avoid the Notepad program saving the file incorrectly as **logon.zmc.txt**.

Note: When editing macros, remember each macro should contain a **Sub ZMain()** line, indicating the start of the PASSPORT macro code and an **End Sub** line, indicating the end of the PASSPORT macro code.

The **Macro→Edit** command can also be accessed by:

- toolbar button
- Alt + M, E key sequence

Note: You can also add this command as a toolbar button. See **Customize Toolbar**.

Help

Help→Help Topics

The **Help→Help Topics** command displays this PASSPORT help system. The **Contents**, **Index** and **Search** tabs operate the same as with any standard Windows help system.

The **Help→Help Topics** command can also be accessed by:

- Alt + H, H key sequence

Note: You can also add this command as a toolbar button. See **Customize Toolbar**.

Help→Technical Reference

The **Help→Technical Reference** command displays the PASSPORT Technical Reference. This help file contains advanced technical information for PASSPORT. The **Contents**, **Index** and **Search** tabs operate the same as with any standard Windows help system.

The **Help→Technical Reference** command can also be accessed by:

- Alt + H, T key sequence

Note: You can also add this command as a toolbar button. See **Customize Toolbar**.

Help→Keyboard Layout

The **Help→Keyboard Layout** command displays a dialog box with the current keyboard layout. The **OK** button closes the dialog box. The **Help** button displays additional information about the keyboard layout.

This command can also be accessed by:

- Alt + H, K key sequence
- Alt + V, K key sequence
- Right-click, then click **Keyboard Layout**
- **View** menu, **Keyboard Layout** command

Note: You can also add this command as a toolbar button. See **Customize Toolbar**.

Help→About

The **Help→About** command displays the **About PASSPORT** dialog box. This provides version and copyright information, along with information regarding **how to contact Zephyr**.

The **Help→About** menu command can also be accessed by:

- Alt + H, A key sequence

Note: You can also add this command as a toolbar button. See **Customize Toolbar**.

Customizing a Keyboard Map

You can create a custom keyboard map for use in PASSPORT sessions. You must be connected to a host session to customize a map. Once created as a .zkb file, the custom map is available for use in any session, and can be saved as a session preference.

To customize a keyboard map:

1. Select the **Options→Keyboard** menu command. The **Keyboard** tab of the **Options** dialog box will appear.
2. Select the keyboard map that you want to customize.
3. Click the **Customize** button.
4. Make the desired modifications in the **Customize Keyboard Editor** dialog box.
5. Click the **OK** button.
6. Enter a name for the new custom keyboard file (.zkb), and then click **Save**.
7. Click **OK** to apply the new keyboard map to the PASSPORT session.

Note: Certain keys or key combinations cannot be customized. These keys are either reserved by Windows or used as shortcut keys.

Key Tronic KB3270 Plus Keyboard

PASSPORT supports the Key Tronic KB3270 Plus 122 key keyboard. The following items must be considered before using the Key Tronic 122 keyboard with PASSPORT. For detailed information regarding the Key Tronic 122 key keyboard, refer to the Key Tronic web site at **www.keytronic.com**.

- The Key Tronic Windows 95/98 keyboard drivers must be installed.
- The PASSPORT keyboard scan code file must be loaded.
- Windows NT is not supported.
- All PC hardware may not be supported.

To install and configure, perform the following steps:

1. Download the Key Tronic keyboard drivers from the Support-Drivers section of the **www.keytronic.com** web site. The SE1_7.EXE file for the KB3270 Plus Scanedit Version 1.7 self-extracting archive or equivalent file must be downloaded.
2. Extract the files from the self-extracting archive by executing SE1_7.EXE or equivalent.
3. Copy the file PASSK122.SCS from the "C:\Program Files\PASSPORT" folder to the folder where the extracted Key Tronic files are located.
4. Add the following command to your AUTOEXEC.BAT file.

   C:\...\SL C:\...\PASSK122.SCS

   The C:\...\ above must contain valid path information to locate the SL.EXE program and the PASSK122.SCS file. You must re-boot your PC for the changes to take affect. Any older Key Tronic drivers must be removed from the system.
5. Start PASSPORT. Version 7.0-4323 of PASSPORT or higher must be used.
6. Select the Options->Keyboard menu command. For keyboard type select Key Tronic 122 Keyboard. For keyboard map select PASSPORT. Press the OK button to save.
7. The Key Tronic keyboard map may be customized, if desired.

Selecting a Keyboard Map

You can save any one of the supported keyboard maps to a PASSPORT session. Map settings are saved to the active host session only.

PASSPORT supports the following standard keyboard maps:

- PASSPORT
- Attachmate EXTRA!
- Wall Data Rumba
- IBM PC/3270
- IRMA
- Custom

To select a keyboard map

1. Select the **Options→Keyboard** menu command. The **Keyboard** tab of the **Options** dialog box will appear.

2. Select a keyboard map option, then click **OK**.

Note: When the Key Tronic 122 key keyboard is selected, you can only choose the PASSPORT keyboard map or the Custom keyboard map.

Shortcut Keys

The following keys are menu shortcut keys:

Ctrl + B
Toggles the command menu bar at the top of the window on and off.

Ctrl + C
Copies a selected text area to the clipboard.
This shortcut key performs the **Edit→Copy** menu command.

Ctrl + G
Copies a selected graphic area to the clipboard.
This shortcut key performs the **Edit→Copy Graph** menu command.

Ctrl + N
Creates a new session.
This shortcut key performs the **File→New** menu command.

Ctrl + O
Opens a saved session profile and starts another session.
This shortcut key performs the **File→Open** menu command.

Ctrl + P
Prints the screen.
This shortcut key performs the **File→Print** menu command.

Ctrl + V
Pastes text from the clipboard into a PASSPORT session.
This shortcut key performs the **Edit→Paste** menu command.

Ctrl + X
Cuts the selected text area.
This shortcut key performs the **Edit→Cut** menu command.

Note: The shortcut keys can be disabled by setting the **Disable Menu Accelerator Keys** option in the **Options→Miscellaneous** dialog box. If you want to map an **action** to one of these key combinations, you must disable the menu accelerator keys first.

Actions

The following action categories are used during customization of hotspots, keyboards and keypads. After selecting a category, choose a specific item within that category to assign.

- **Nothing**
  Sets the current action to nothing, clearing any previously selected action.
- **Host Key**
  Displays a list of available host keys. This list will vary depending on the **Emulation Type** selected on the **Connection** tab of the **Communication Setup** screen.
- **Dead Key**
  Displays a list of available dead keys. Dead keys allow special characters such as ö or û.
- **Text Character**
  Displays a list of available text characters.
- **Text String**
  Displays a free-form text input box, which allows you to enter a string of text. This text string may also include host keys, which are listed below and may be inserted by highlighting and choosing the **Add to Text String** button. Host keys must be enclosed within brackets (for example <ENTER>).
- **Macro**
  Displays a list of macro files (.zmc) in the current macro directory (C:/Program Files/PASSPORT/ by default). The macro directory may be changed by selecting the **Macro Dir...** button.
- **Menu Command**
  Displays a list of the PASSPORT menu commands.
- **Miscellaneous**
  Displays the following miscellaneous functions:

  Run Application
  Runs the executable (.exe) specified in the **Application file name** field. Choose the **Browse** button to search for an application file to specify.

  Apply Setting-Keyboard
  Applies the custom keyboard file (.zkb) specified in the **Keyboard file name** field. Choose the **Browse** button to search for a keyboard file to specify.

  Apply Setting-Hotspots
  Applies the custom hotspots file (.zhs) specified in the **Hotspots file name** field. Choose the **Browse** button to search for a hotspots file to specify.

  Apply Setting-Keypad
  Applies the custom keypad file (.zkp) specified in the **Keypad file name** field. Choose the **Browse** button to search for a keypad file to specify.

  Apply Setting-Colors
  Applies the custom color scheme file (.zcs) specified in the **Colors file name** field. Choose the **Browse** button to search for a color scheme file to specify.

  Apply Setting-Toolbar
  Applies the custom toolbar file (.ztb) specified in the **Toolbar file name** field.

Choose the **Browse** button to search for a toolbar file to specify.

Windows-Tile
Performs a Windows tile function on the specified session windows. Enter the HLLAPI short name for each session to include in the **Session short names** field. For example, ABC.

Windows-Cascade All
Performs a Windows cascade function on all session windows.

Windows-Minimize All
Minimizes all session windows.

Communication Setup→Advanced

Enable SLP Load Balancing
This feature gives PASSPORT the ability to query participating TN3270E servers and connect to the least loaded TN3270E server using Service Location Protocol (SLP). The **Scope** field can be blank or have a specific Scope name. Scope is essentially a grouping method to organize servers into named groups. Please consult your network administrator for Scope information.

Note: When the **Enable SLP Load Balancing** option is selected, the **IP Host Name** and **TCP Port** fields on the **Connection** tab are disabled. This is because PASSPORT obtains the information from the SLP servers.

- **Scope**
  The **Scope** field specifies an SLP scope value - a parameter that controls access to servers in a network in order to reduce overall traffic - for client requests for services. Scope values are defined by the network administrator and may represent departments, regions, organizations, etc.
- **SA Multicast Timeout (msec)**
  The **SA Multicast Timeout** value determines how long the SLP will wait to discover services, attributes or service types in a network without at least one DA that supports the scope of the request. In this situation, these requests are multicast and the SLP waits the timeout value (expressed in milliseconds) to gather the multiple responses returned.
- **DA-Discovery Timeout (msec)**
  The **DA-Discovery Timeout** value determines how long the SLP will wait to discover Directory Agents (DA's) in the network. The discovery request is a multicast and the amount of time required to gather all DA responses might vary depending on many factors. If there are no DA's in the network, this value can be set to zero to indicate that no DA discovery is to be done. Timeout values are expressed in milliseconds.

Enable "Hot Back Up" IP Host Names
When **Enable "Hot Back Up" IP Host Names** is selected, you can specify alternate IP host addresses and TCP ports to connect to if the primary connection attempt fails for some reason. Use the **Add**, **Edit**, and **Remove** buttons to add, modify, or remove an address and/or port number from the list. Use the **Up** and **Down** buttons to move a selected address up or down in the list.

Note: If you move or modify the primary address in this list, the values in the **IP Host Name** and **TCP Port** fields (on the **Connection** tab) will reflect the change.

Connect
This button applies all communication setup changes and connects the PASSPORT session to the host. This is the same as the **Communication→Connect** menu command.

Cancel
The **Cancel** button discards all communication setup modifications.

Help
The **Help** button displays this help screen.

Communication Setup→ Connection

Note: The fields and values in this tab correspond to initialization entries stored in the .zcc file.

IP Host Name
This is the name or IP address number of the host computer you wish to connect to. If you enter a text string for the name of the host computer, the TCP/IP protocol will translate it into an IP address number and use this number to connect to the IBM host. You can also enter the IP address number directly. However, it must be supplied in the standard 4 number dot delimited format, **nnn.nnn.nnn.nnn**, where each number **nnn** ranges in value from 0 to 255. Your system administrator can supply you with this information.

TCP Port
The default value for this parameter is 23. If your system administrator has defined port numbers for Telnet host, the number must be entered here. Normally, this number is not changed.

Timeout (sec)
The **Timeout** value designates the number of seconds PASSPORT will attempt to connect to the host address before switching to an alternate address, as specified by the back-up IP host name(s) in the **Advanced** tab.

TN3270E Support

Note: This option can only be enabled if emulation type is TN3270.

If this option is selected, the TN3270E enhanced terminal emulation is enabled. TN3270E emulation provides the following advanced emulation features:

- TN3270 Attention and System Request key support
- Support for connection to specific LUs, associated LUs, and LU pools
- IBM 3287 LU1 and LU3 host printing support
- SSCP-LU session support
- SNA BIND and UNBIND support
- SNA-like response support

Display and printer sessions can make different kinds of LU connections. Display sessions connecting to a TN3270E server can use **Generic** or **Specific** LUs. Printer sessions can connect to **Generic**, **Specific**, or **Associated** LUs.

TN5250E Support

Note: This option can only be enabled if emulation type is TN5250.

If this option is selected, the TN5250E enhanced terminal emulation is enabled providing support for connection to a specific LU or LU pool. TN5250E LU names are only supported for display sessions. Also, only specific LU names are supported.

Generic
A **Generic** connection is the basic TN3270 connection method. The session established with the TN3270 server comes from an unnamed pool of LU's. The unnamed pool is identified by the 3270 screen size and extended attribute settings. For example, if you configure a 3270 model 2 screen size without extended attributes, the session will be established with an unnamed pool of LU's having the device type IBM-3278-2.

Note: Although you can use a **Generic** LU connection to establish a TN3270E printer session, it is not recommended. Establish printer sessions with **Specific** or **Associated** LU connections.

Specific
A **Specific** connection allows connections to a specific name LU pool, or to a specific dedicated LU. A dedicated LU is basically an LU pool with a single LU in the pool. If you select the **Specific** option, you must also enter the **Resource Name** that corresponds to the name of the dedicated LU or LU pool.

Associated
An **Associated** connection allows connections to a dedicated LU that can act as either a display or printer LU. If you select the **Associated** option, you must also enter the **Resource Name** that corresponds to the name of the dedicated LU.

Resource Name
The **Resource Name** is the device or pool name used by PASSPORT and the TN3270E server to identify and establish a connection to a specific LU or LU pool. Your system administrator must give you the correct information to enter here.

Telnet Device Type Override
This text entry provides the ability to override the Device Type String that is automatically generated by the Screen Size and Extended Attribute settings.

For example: If screen size Model 5 and extended attributes are enabled, the device type "IBM-3278-5-E" is generated in accordance with the IETF RFC 2355 specifications. However, some older TN3270 servers may interpret this incorrectly as no extended attributes and may need the device type "IBM-3279-5-E" typed into the Telnet Device Type Override field.

Auto-Reconnect
If this option is selected, PASSPORT will try to reestablish a session with the host if that session times out or is unexpectedly disconnected by the gateway or host (or if the host is down when trying to connect). PASSPORT will attempt to reconnect after first waiting for 1 second, then 5, 10, 15, 20, 25 seconds, and then 30 seconds thereafter between each attempt until a connection is established. This helps reduce network traffic. Once PASSPORT successfully connects to the host, the reconnection value will be reset to 1 second again.

If you log off a mainframe session using a command such as VMEXIT, LOGOFF, or CSSF LOGOFF, the host session will be disconnected and another session with the host will automatically be initiated, returning you to the host logon prompt.

If this option is not selected, you will get a blank screen if disconnected from your mainframe session. You will then have to perform a **Communication→Disconnect** command followed by a **Communication→Connect** command to reestablish the session.

Emulation Type
You may choose one of the following emulation types:

- TN3270
- TN5250
- VT52
- VT100
- VT220 7-bit
- VT220 8-bit

- SCO ANSI 7-bit
- SCO ANSI 8-bit
- WYSE-60

TN5250 emulation provides access to IBM AS/400 midrange computers using the TCP/IP communication protocol. The TN5250 emulation fully supports the IETF RFC 1205 5250 Telnet Interface specification.

Screen Size
PASSPORT supports models 2, 3, 4, 5, and Dynamic screen sizes. The model number refers to the number of rows and columns the terminal can display. If you do not configure the correct screen size, you may not be able to make a connection to the host. For TN5250 sessions, only model 2 and model 5 can be configured. For VT and SCO ANSI sessions, both 80 and 132 column modes are supported.

- Model 2 (24 rows x 80 columns)
- Model 3 (32 rows x 80 columns)
- Model 4 (43 rows x 80 columns)
- Model 5 (27 rows x 132 columns)
- Dynamic
- 24 row x 80 column (VT and WYSE-60 emulation mode)
- 24 row x 132 column (VT and WYSE-60 emulation mode)
- 32 row x 80 column (VT emulation mode)
- 32 row x 132 column (VT emulation mode)
- 25 row x 80 column (SCO ANSI and WYSE-60 emulation mode)
- 25 row x 132 column (SCO ANSI and WYSE-60 emulation mode)
- 42 row x 80 column (WYSE-60 emulation mode)
- 42 row x 132 column (WYSE-60 emulation mode)
- 43 row x 80 column (WYSE-60 emulation mode)
- 43 row x 132 column (WYSE-60 emulation mode)

Session Type
You can choose to connect as a **Display** session or a **Printer** session. If you choose **Printer**, certain display-related options are not unavailable (Screen Size, Extended Attributes, and so on). Also, the start-up macro option on the **Miscellaneous** tab is not available since printer sessions do not support macros. Printer sessions are only supported for TN3270E and TN5250E sessions.

Scroll Back Buffer (n) Lines
This option allows you to activate the history log which stores data (in lines) that are no longer displayed on the screen. You can then use the scroll bar on the right side of the PASSPORT window to scroll back and view previous host screens. The default number of lines in the history log is 24. However, you can increase this log to a maximum of 2000 lines.

Enable SSH Secure Connection (VT, SCO ANSI and WYSE-60 only)
Select this option to enable a secure connection with the host using the SSH (Secure Shell) protocol. This will enable SSH tab for the session profile allowing you to configure SSH Protocol Options. Configure PASSPORT to use SSH if you need secure, encrypted communications between a trusted host and your PC over an insecure network. When you configure PASSPORT to use SSH, all connections between your PC and the remote host are encrypted, protecting the data sent between them. Passwords are never sent over the network in a clear text format.

Extended Attributes
This configuration option determines whether or not extended attributes will be displayed. Extended attributes includes seven-color display, underline and reverse video. Select the **Extended Attributes** check box to enable these features.

Based on the **Screen Size** and **Extended Attributes** settings, PASSPORT generates the following TN3270 device types when negotiating a TN3270 session with the TN3270 server. These device types must be configured on the TN3270 session in order to make a connection.

- IBM-3278-2 model 2, no extended attributes
- IBM-3278-3 model 3, no extended attributes
- IBM-3278-4 model 4, no extended attributes
- IBM-3278-5 model 5, no extended attributes
- IBM-3278-2-E model 2, extended attributes
- IBM-3278-3-E model 3, extended attributes
- IBM-3278-4-E model 4, extended attributes
- IBM-3278-5-E model 5, extended attributes

For TN5250 sessions, PASSPORT generates the following TN5250 device types based on the screen size configured:

- IBM-3179-2 model 2 screen size
- IBM-3477-FC model 5 screen size

For VT, SCO ANSI and WYSE-60 sessions, PASSPORT generates the following device types:

- VT52 for VT52 emulation
- VT100 for VT100 emulation
- VT220 for VT220 emulation (7-bit and 8-bit)
- ANSI for SCO ANSI (7-bit and 8-bit)
- WYSE-60

Note: If your TN3270E, TN5250E, VT, SCO ANSI or WYSE-60 host does not accept any of these standard Telnet device types, you must find out the correct device type string to use from your

system administrator and type it into the **Telnet Device Type Override** field in this dialog box. For example, some older non-compliant TN3270E servers may require IBM-3279-5-E instead of the standard IBM-3278-5-E device type string. Or, some VT hosts may require DEC-VT100 instead of the standard VT100 device type. You can use the **Communication→Connection Log** menu command and view the connection log to tell if your device type is being rejected by your host system.

TN3270E Response Support

Note: This option is disabled for TN5250, VT, SCO ANSI and WYSE-60 sessions.

This option determines whether or not TN3270E Responses are supported during TN3270E terminal emulation. For the IBM Communications Server, this option must be selected. For most other TN3270E servers, this option should be cleared.

TN3270E Contention Resolution

Note: This option is disabled for TN5250, VT, SCO ANSI and WYSE-60 sessions.

This option is reserved for future consideration.

TN3270 Non-SNA Command Chaining [3270 only]
Enable this option if connecting thru a Visara controller. The Visara controller requires the TN3270 client to do the 3270 command chaining required by Non-SNA Master Console operation. If not connecting thru a Visara controller, this option should be disabled.

Connect
This button applies all communication setup changes and connects the PASSPORT session to the host. This is the same as the **Communication→Connect** menu command.

Cancel
The **Cancel** button discards all communication setup modifications.

Help
The **Help** button displays this help screen.

Communication Setup→ Diagnostics

Data Stream Trace
If this option is selected, PASSPORT creates a file called TRACE_<session short name>.log in the directory where PASSPORT was installed. For example, if you are running a data stream trace for session A, the trace file will be called TRACE_41.log (session short name is converted to hexidecimal value).

This trace captures the host data stream that is transmitted between the host and PASSPORT. This type of trace is very helpful in resolving problems involving the SNA BIND attributes, file transfer, HLLAPI, and other problems involving the data stream. For additional information, refer to **Running a Trace**.

Low Level Trace
If this option is selected, PASSPORT creates a file called TRACELL_<session short name>.log in the directory where PASSPORT was installed. For example, if you are running a Low Level Trace for session A, the trace file will be TRACELL_41.log (session short name is converted to hexidecimal value).

This trace captures the lowest level of communication between the PASSPORT communications driver and the underlying communications subsystem. This type of trace is very helpful in resolving problems involving the establishment of a connection. For additional information, refer to **Running a Trace**.

HLLAPI Trace
If this option is selected, PASSPORT creates a file called Ehtrace.log in your PASSPORT working directory.

This trace captures the HLLAPI function calls made from a HLLAPI application program to PASSPORT. All inputs and outputs to each HLLAPI function call are written to this file. This type of trace is very helpful in resolving problems with HLLAPI applications. Refer to **Running a Trace**, **Communication Setup – HLLAPI** and **HLLAPI** for more information.

Connect
This button applies all communication setup changes and connects the PASSPORT session to the host. This is the same as the **Communication→Connect** menu command.

Cancel
The **Cancel** button discards all communication setup modifications.

Help
The **Help** button displays this help screen.

Communication Setup→ Graphics

Note: APA Graphics is only available for TN3270 sessions, and not available for TN5250, VT, SCO ANSI or WYSE-60 sessions.

Resolution
This option specifies at what resolution the mainframe graphics application should send the graphics data to the PC.

- **Terminal**
  If **Terminal** is chosen, the host sends graphics data at 720 x 384 resolution, the same resolution as an IBM 3192G terminal. Certain host application require **Terminal** as the setting to position text properly and operate the graphics input cursor accurately.

- **High**
  When **High** is chosen, the graphics display at 2560 x 1400 resolution, enabling the capture of high resolution graphics, which can be printed or plotted at a high resolution.

Program Symbol Sets
This option is used to allocate memory for mainframe graphics applications requiring the use of programmed symbols (for example, CA-TELLAGRAF, CA-DISSPLA, IBM's RTPMS, and UNIRAS). Most other packages do not require the extra memory, so the default is set to **None** to keep PASSPORT memory requirements as low as possible. The option may be set to **None**, **PS A and B**, or **PS A through F**.

Enable Vector Graphic Redraw Buffer
This option allows you to change the vector graphics redraw buffer size from the default of 512KB to a value within the range of 128KB (minimum) to 1024KB (maximum).

Note: To use PASSPORT with SAS/GRAPH, the **Terminal** resolution and **PS A and B** must be configured. To use PASSPORT with RTPMS, ACS, and other GDDM graphics programs that require program symbol sets or that were written primarily for the IBM 3279 S3G graphics terminal, **PS A through F** must be configured. If your host graphics application uses transparent/opaque text, you must configure either PS **None** or **PS A and B**. Transparent text is not supported when **PS A through F** is configured.

Communication Setup→ HLLAPI

HLLAPI Session Name
HLLAPI is the High Level Language Application Interface that allows external programs to communicate with host computers using a TN3270, TN5250, VT, SCO ANSI or WYSE-60 terminal emulation program as the communication medium. The HLLAPI standard was defined initially by IBM. More recently, HLLAPI has been revised and updated by IBM, Microsoft, and a consortium of IBM terminal emulation vendors.

The HLLAPI session short name and session long name allow HLLAPI applications to identify individual TN3270, TN5250, VT, SCO ANSI or WYSE-60 terminal emulation sessions. The HLLAPI session short name appears in parentheses in the upper left corner of the PASSPORT **title bar** for session identification. PASSPORT does not allow two sessions to have the same HLLAPI session short name.

Automatically Select
If this option is selected, PASSPORT will automatically select the next available session short name and session long name. Session short names begin with A, then B, then C, and progress through the alphabet to letter Z. Session long names begin with SessionA, then SessionB, then SessionC, and progress through the alphabet to SessionZ.

Manually Specify
If this option is selected, you must manually enter the session short name and session long name. This may be necessary if your HLLAPI application is hard-coded to a particular session short name and cannot be changed.

Short Name
You may enter a single alphabetic character (A to Z) to identify the session short name. HLLAPI applications use the HLLAPI short name to identify which session it is communicating with.

Long Name
You may enter a string of up to eight characters to identify the session long name. This name may be used by HLLAPI applications for session identification.

Connect
This button applies all communication setup changes and connects the PASSPORT session to the host. This is the same as the **Communication→Connect** menu command.

Cancel
The **Cancel** button discards all communication setup modifications.

Help
The **Help** button displays this help screen.

Communication Setup→ Miscellaneous

Host Code Page
Choose the appropriate host code page for your country (or country in which the host mainframe is located). This determines which translation tables are used to convert between the host's EBCDIC character set and the PC's ANSI/ASCII character set.

3270/5250:

- 037 USA/Canada
- 273 Austria/Germany
- 277 Denmark/Norway
- 278 Finland/Sweden
- 280 Italy
- 284 Spain/Latin America
- 285 United Kingdom
- 297 France
- 500 International
- 1140 USA/Canada Euro
- 1141 Austria/Germany Euro
- 1142 Denmark/Norway Euro
- 1143 Finland/Sweden Euro
- 1144 Italy Euro
- 1145 Spain/Latin America Euro
- 1146 United Kingdom Euro
- 1147 France Euro
- 1148 International Euro
- 8859 ISO Latin-1

VT/SCO ANSI:

- United States
- United Kingdom
- Portuguese

WYSE-60:

- United States
- United Kingdom

The Euro host code pages (1140 through 1148) are identical to the non-Euro host code pages with the exception that the European currency symbol replaces the international monetary symbol. Not all Windows fonts support the European currency symbol. Some fonts for Windows 98 and Windows NT 4.0 (SP4) support the European currency symbol. If you are using Windows 95 or Windows NT 4.0 (SP3) you must obtain a software upgrade from Microsoft Corporation. For printing, if you are using a PostScript printer or PostScript fonts, you may need to upgrade your fonts to a newer version that supports the Euro symbol. The default PASSPORT keyboard uses the Alt + 4 key to produce the Euro symbol for the US English language. The AltGr + 4 key is used to produce the Euro symbol for non-US English languages.

Enable Keep Alive
When this option is enabled, PASSPORT will send a periodic timing signal to the gateway or mainframe to ensure that the connection is not idle long enough to be terminated. This feature can also be used to keep an internet connection "alive."

- **Timer Value (min)**
  This value specifies the regular interval at which PASSPORT will send a timing signal. The value may be between 1 minute and 1440 minutes (1 day). The default value is 15 minutes.

- **Keep Alive Sequence**
  The **Keep Alive Sequence** area allows you to choose between two timing signal options, **NOP** and **Timing Mark**. The default setting is **NOP.**

Note: When using a dial-in connection with an internet service provider (ISP), you may be disconnected after a period of idle time, even though the **Enable Keep Alive** feature is selected. To minimize the chances of this occurring, you can change the gateway port number to something other than 23 (the default telnet port) in the PASSPORT configuration.

Start Up Macro (Display sessions only)
A start-up macro may be configured to automatically run immediately after a session is established with your host computer. For example, you may want to record a macro that will log on to your host session every time you start PASSPORT. You can use the **Browse** button to designate a .zmc file for use as a start-up macro. The macro file name will appear in a non-editable field with the path above it.

Browse
The **Browse** button allows you to specify a .zmc file for use as a start-up macro.

Suppress Error Message Dialogs
Enable this option to prevent PASSPORT from displaying error message dialog boxes, which require user intervention to continue. This is necessary for some HLLAPI applications.

Connect
This button applies all communication setup changes and connects the PASSPORT session to the host. This is the same as the **Communication→Connect** menu command.

Cancel
The **Cancel** button discards all communication setup modifications.

Help
The **Help** button displays this help screen.

Communication Setup→ SSH

Protocol Options

- **P**referred Protocol Version
  Specifies which version of the SSH protocol PASSPORT uses when it establishes a connection to the host. Two versions are available: SSH-1 and SSH-2. SSH-2 is a newer, more secure implementation and is the default setting. With this setting PASSPORT will first attempt to connect using SSH-2 and will try SSH-1 if the server does not support SSH-2. Selecting SSH-2 Only or SSH-1 Only will force the connection to this version of the protocol.

- **Enable Compression**
  This enables data compression for the SSH connection. With this option enabled, data sent by the server is compressed before sending, and decompressed at the client end. Likewise, data sent by PASSPORT to the server is compressed first and the server decompresses it at the other end. This can help with low-bandwidth connections.

Authentication

- **Username**
  Enter the Username to be sent to the SSH server. If left blank the user is required to type this parameter each time. For security reasons, passwords cannot be saved and must always be typed by the user.

- **Private Key File for Authentication**
  Enter the path to the private key file, or locate it using the **Browse** button.

When SSH security is enabled, the text "SSH" appears in positions 5-7 of the OIA line.

Communication Setup→ SSL

Enable SSL Secure Connection
When SSL (Secure Sockets Layer) encryption is enabled, the Telnet terminal emulation sessions are protected from eavesdropping, tampering, or message forgery over TCP/IP. Secure Telnet sessions using SSL typically use TCP Port 992 instead of 23, but may be re-configured to any available TCP Port desired.

Accept Self-Signed Certificates
Enable to accept a self-signed server certificate.

Accept Expired Certificates
Enable to accept a server certificate that has expired.

Accept Not Yet Valid Certificates
Enable to accept a server certificate that has a starting date in the future.

Accept Invalid Certificates
Enable to accept if the server certificate is invalid for any reason other than the date or signature. With this option enabled, the server certificate check will be ignored.

Select Action to Take if Certificate Not Accepted
This option determines how PASSPORT will respond to any items above that are unchecked. The items above that are checked will ignore this option and allow the certificate.

Choose one of the following:

- Ignore Warning and Connect
- Prompt for User Action
- Do Not Connect

When SSL security is enabled, the text "SSL" appears in positions 5-7 of the OIA line and a padlock will display on the status bar. Double-clicking the padlock will display the certificate information on the server you are currently connected to. PASSPORT supports SSL with the following:

- IBM OS/390 Version 2 Release 6 or higher
- IBM Communication Server 6.01 for NT or higher
- Novell intraNetWare for SAA 4.0 or higher
- Cisco CIP router with TN3270E server and SSL (newer releases)
- AS/400 OS/400
- Any SSL Proxy Server

Communication Setup→ 5250 Print

The 5250 Print tab manages the configuration settings for all TN5250 print jobs. The following settings are available:

Message Queue
This defines the name of the queue to which operational messages for a printer device will be sent. A message queue exists for each display device and is assigned the same name as the display device itself. If you specify the name of a display session here, messages relating to this printer device will be sent to that display session instead of to the default queue. The default message-queue name is QSYSOPR.

Message Library
This option defines the name of the message library in which the message queue is located. The default is *LIBL.

Host Font
This will specified which font identifier will be use for the AS/400 print file. The default is Courier 10.

Forms Mode
This option allows you to select the form mode that will be use for the AS/400 print file.

Host Print Transform
This option transforms print data to ASCII format in the AS/400 according to the make and model of the printer that you want to use.

Printer Model
This option allows you to choose the PC printer that you want to connect to.

Paper Source 1
This allows you to choose the size of paper that are loaded in the paper source. The default is *MFRTYPMDL.

Paper Source 2
This allows you to choose the size of paper that are loaded in the paper source.

Envelope Source
This allows you to choose the size of paper that are loaded in the envelope source.

Customizing Object
This option allows you to type the **Name** and **Library** of the AS/400 customizing object that contains the information to be used for your printer during a printer session.

ASCII Code Page 899
This option allows you to choose whether or not your personal printer supports ASCII code page 899 symbols.

Default
Click the Default button to reset all the 5250 Print settings to their default values.

Connect
This button applies all communication setup changes and connects the PASSPORT session to the host. This is the same as the **Communication→Connect** menu command.

Cancel
The **Cancel** button discards all communication setup modifications.

Help
The **Help** button displays this help screen.

Extended Attributes

You can enable extended attributes when configuring your TN3270 session connection in the **Communication Setup** dialog box. Select the **Extended Attributes** check box in the **Connection** tab. Extended attributes include such session-window features as seven-color display, underline, and reverse video.

Note: The host mainframe must support extended attribute features for them to be available within a PASSPORT session.

FTP File Transfer Scheme

File Type
There are three file types used by FTP file transfer:

- **Text**
  Files are transferred in ASCII format.
- **Binary**
  Files are transferred in Binary format.
- **Auto**
  With Auto selected all files are transferred in Binary format unless the file extension is listed in the Text File Extensions field. In this case ASCII format will be used.

  Text File Extensions
  Type each file extension separated by semi-colons to specify as text files.

Verify Before Replacing or Overwriting a File
If this option is enabled, a warning will display to notify the user that the attempted file transfer will overwrite a file with the same name. You will be given the following options:

- **Yes**
  Overwrites only the specified file.
- **Yes to All**
  Overwrites all duplicate files for the file transfer operation.
- **No**
  Keeps the original file and aborts only this file transfer.
- **No to All**
  Keeps all original files and aborts all file transfers where duplicate files exist.
- **Cancel**
  Aborts the entire file transfer operation.

Display Negative Reply from Host in a Dialog Box
When this option is enabled, a dialog box is displayed with information whenever a file transfer failure occurs. These type of errors generally occur when files are being transferred to a host.

Save
The **Save** button prompts you for a name for the file transfer scheme.

Cancel
The **Cancel** button discards any modifications and returns to the **Options→Transfer** dialog box.

Help
The **Help** button displays this screen.

FTP Server Settings

Host Settings Tab

- **Host Name**
  Enter the name of the host computer. You may use the URL format or the actual IP address.
- **Host Type**
  Choose from the list of available host types or select Auto Detect to allow the FTP Client to determine what type of host it is connecting to.
- **FTP Port**
  The standard port setting of 21 is entered as a default. However, you may enter a different port.
- **Timeout (sec)**
  Enter the number of seconds during which FTP will try to make connection to the host computer before quitting. The default value is 60 seconds.
- **Retry**
  Enter the number of times FTP is to try to connect to the host computer after timing out because a connection was not made. The default value is 10 times.
- **Username**
  Enter your user name on the host computer. If you do not have one, click the **Anonymous** check box.
- **Anonymous**
  Click this check box if you do not have a user name and password on the host and the host allows you to enter anonymously. The system automatically enters “anonymous” as the Username and your e-mail address as the Password.
- **Password**
  Enter your password on the host computer.
- **Save Password**
  Enable to save the password for future connections. Disable to be prompted for password each time a connection is made.
- **Account**
  Enter the account name on the host computer if one is required.
- **Initial Path**
  Enter the name of a host directory that you want as the default directory when connecting to the host. This field is optional.
- **Use PASV Transfer Mode**
  Click this option to indicate that you want to use the passive data transfer mode to initiate the transfer instead of the default. This is recommended if data is to be transferred through a firewall. The passive mode, which may be a user-data transfer point (DTP) or a server-DTP, "listens" on the data port before sending a transfer request command. When the request is received, a connection is initiated and the data transfer begins.

Firewall Tab

- **Use Firewall**

Select this check box to enable the following fields for entering information about the firewall.

- **Host Name**
  Enter the name of the firewall.
- **Port**
  Enter the port number for the firewall.
- **Host Type**
  Select from the drop-down list the type of firewall. "SITE hostname" is the default.
- **Username**
  Enter your user name to gain access through the firewall.
- **Password**
  Enter your password on the firewall.

OK
Clicking this button saves the host information you have entered and closes the **FTP Server Settings** dialog box.

Cancel
The **Cancel** button discards any entries you have made on any of the three tabs and closes the **FTP Server Settings** dialog box.

Apply
Clicking this button saves the host information you have entered without closing the **FTP Server Settings** dialog box.

Help
The **Help** button displays this help screen.

Add or Edit Hotspots

Clicking the **Add** or **Edit** button on the **Customize Hotspots** dialog box displays the **Hotspots Properties** dialog box, which allows you to define the properties of hotspots.

Text
This field allows you to assign the actual "hotspot" text. This text will activate the action specified in the **Action** area.

Case Sensitive
When **Case Sensitive** is selected, text on the host screen must match the case of the hotspot text exactly to activate that text as a hotspot (so, for example, "mainframe" would not be sufficient to activate the hotspot, "Mainframe"). When this option is cleared, the text does not need to match the case.

Terminated with Spaces
When **Terminated with Spaces** is selected, the hotspot text string must have a space directly before and after it for it to be activated as a hotspot. This option enables you to specify that a hotspot be a whole word; otherwise, for example, the hotspot "top" would be activated by both "top" and "stop." Clearing the **Terminated with Spaces** check box enables partial-word hotspots.

Action
The **Action** tab specifies the action that will occur when you click on a designated hotspot. **Click here** for a list of available actions that may be assigned.

OK
The **OK** button adds the hotspot definition (or modifications) to the hotspot profile, and then returns you to the **Customize Hotspots** dialog box.

Cancel
The **Cancel** button cancels the addition or editing of the hotspot.

Help
The **Help** button displays this help screen.

IND$FILE File Transfer Scheme

File Transfer Method
There are two types of file transfer methods that can be used with PASSPORT using the IBM host IND$FILE program.

- **Presentation Space**
  The presentation space file transfer is an older method of file transfer. This method of file transfer must be used for session that are not configured for extended data stream and with mainframes that may not support extended attributes, such as CICS.

- **Structured Field**
  The structured field file transfer is usually a faster method of file transfer. However, this method required that the display session on the host is configured for extended data stream, and that PASSPORT is configured for extended attributes. For information on configuring PASSPORT for extended attributes, see **Communication→Setup - Communication**.

Block Size
This option can only be configured when the **Structured Field** file transfer method is selected. The structured field block size can be configured for 2 KB, 4 KB or 8 KB.

File Type
There are three file transfer types used by IND$FILE:

- **Text**
- **Binary**
- **Custom**

Host OS
You must select the correct host operating system for file transfer. Three IBM host operating systems are supported with the IBM IND$FILE file transfer:

- **CMS**
- **TSO**
- **CICS**

Host Program Name
This is the name of the IBM host file transfer program. In the US, this is usually IND$FILE. In other countries the "$" symbol is replaced by the local currency symbol. Contact the host system administrator if your file transfer does not work or if you are unsure as to what should be used for the host program name. Refer to **File Transfer Mainframe System Requirements** for additional information.

Time Out Value (Seconds)
This is the amount of time allowed for the host system to respond after PASSPORT has initiated a file transfer request. If no response is received before the specified number of seconds, an error message is issued and the transfer process aborted.

Custom File Type Parameters
This is a free form text field you can use to enter any valid file transfer parameters. Any parameters entered are dependent on the host operating system. For a list of valid file type parameters refer to **File Transfer Parameters** in the PASSPORT Technical Reference.

PC Code Page
This is the PC code page used for translating text files. Select the PC code page that is appropriate for your country. Code pages are used to determine which numeric values are used to represent which text characters. The **PC Code Page** option is used in conjunction with the **Host Code Page** option configured in the **Miscellaneous** tab of the **Communication→Setup** dialog box. The following PC code pages are supported but may not be supported with all Host Code Pages.

- **437 US English**
- **850 Multilingual**
- **860 Portuguese**
- **863 Canadian French**
- **865 Nordic**
- **1252 Windows ANSI**

Remove End of File indicator on Receive
This option should be enabled to remove unwanted end of file indicators (Ctrl-Z) during a **File→Receive** operation. If disabled, end of file indicators will be retained.

Verify Before Replacing or Overwriting a File (Receive Only)
If this option is enabled, a warning will display to notify the user that the attempted file transfer will overwrite a file with the same name. You will be given the following options:

- **Yes**
  Overwrites only the specified file.
- **Yes to All**
  Overwrites all duplicate files for the file transfer operation.
- **No**
  Keeps the original file and aborts only this file transfer.
- **No to All**
  Keeps all original files and aborts all file transfers where duplicate files exist.
- **Cancel**
  Aborts the entire file transfer operation.

Display Status during File Transfer
If this option is enabled, a status box will appear during the file transfer, indicating the name of the PC and Host file being used during the transfer, along with the number of bytes currently transferred. If the option is disabled, a status box will not appear during a file transfer.

Save
The **Save** button prompts you for a name for the file transfer scheme.

Cancel
The **Cancel** button discards any modifications and returns to the **Options→Transfer** dialog box.

Help
The **Help** button displays this screen.

Customize Hotspots

Clicking the **Customize** button on the **Hotspots** tab displays the **Customize Hotspots** dialog box, which allows you to specify custom and PF key hotspots on the host.

To customize the hotspots profile:

1. Perform any of the following (repeating as necessary):

- To add a custom hotspot, click **Add**.
- To remove a hotspot, select the hotspot you want to remove from the **Custom Hotspots** box, and then click **Delete**.
- To edit a custom hotspot, select the hotspot you want to edit from the **Custom Hotspots** box, and then click **Edit**.

2. Select or clear any of the **PF Key Hotspots** options to enable or disable them.
3. Click **Save**. The **Save As** dialog box will appear.
4. Enter a name for the hotspot file (it must have a .zhs extension), and then click **Save**.

Custom Hotspots
The **Custom Hotspots** area lists the hotspots in the current profile, including the actual trigger text of each hotspot, its assigned action or function, whether it is case sensitive and whether it is delimited by spaces. This information can be changed using the **Edit** button:

- **Add**
  The **Add** button allows you to add a hotspot to the current profile using the **Hotspots Properties** dialog box.
- **Remove**
  The **Remove** button removes the selected hotspot from the current hotspot profile.
- **Edit**
  The **Edit** button allows you to edit the properties of a hotspot using the **Hotspots Properties** dialog box.

PF Key Hotspots
The **PF Key Hotspots** area allows you to activate PF keys as hotspots. Select the format (where **nn** is a number) used by your host to enable function key hotspots. The following formats are available:

- **PFnn**
- **FPnn**
- **Fnn**
- **nn**
- **nn=**

URL Hotspots
Enable the Match URL option to allow screen text beginning with http://, https:// or ftp:// to be converted to a hotspot. When double-clicked a browser window will be started and will navigate to the specified web page.

Save
The **Save** button saves all modifications made to a hotspot profile. A dialog box will prompt you to provide a file name for the saved profile. All hotspot files must have the .zhs file extension.

Cancel
The **Cancel** button cancels hotspot modifications made while in the **Customize Hotspots** dialog box.

Help
The **Help** button displays this help screen.

Customize Keyboard Editor

Clicking the **Customize** button on the **Keyboard** tab displays the **Customize Keyboard Editor** dialog box, which allows you to assign an **action** to a keyboard key.

To assign an action to a keyboard key:

1. Highlight the keyboard button you want to customize.
2. Choose the Normal, Shift, Ctrl, Alt, Alt-Gr, Alt-Shift, Alt-Ctrl, or Shift-Ctrl radio button.
3. Select the **Edit** button.
4. Choose the appropriate **action category**, then select an item within the category.
5. Click **OK** to return to the **Customize Keyboard Editor** screen.
6. Repeat steps 1-5 as necessary.
7. Click **OK** to save and exit.

101/102 Enhanced Keyboard – Select a key

122 Enhanced Keyboard (Key Tronic) – Select a key
This button group represents an IBM enhanced keyboard. Clicking a key button selects it (a blue outline around the key indicates the selection). Keys that are grayed out cannot be remapped.

Note: If the **Language** selected in the **Keyboard** tab is English (U.S.), the 101 key enhanced keyboard will be displayed. If the **Language** is not English (U.S.), the 102 key enhanced keyboard will be displayed.

Define Function or Assignment
This area contains eight buttons. They represent the eight different control key combinations that may be used with each key. Any **action** may be mapped to each of these eight control key combinations.

- Normal – the key value without any control keys being held down.
- Shift – the key value with the Shift key held down.
- Ctrl – the key value with the Ctrl key held down.
- Alt – the key value with the Alt key held down.
- Alt-Gr – the key value with the Alt-Gr key held down (non-U.S. only)
- Alt-Shift – the key value with Alt and Shift keys held down.
- Alt-Ctrl – the key value with Alt and Ctrl keys held down.
- Shift-Ctrl – the key value with Shift and Ctrl keys held down.

Note: For English (U.S.) the Alt-Gr is not available as a separate control key, and performs the same function as the Alt key.

OK
The **OK** button saves all modifications made to a keypad file. A dialog box will prompt you to provide a file name for the saved modifications. All keyboard files must have the .zkb file extension.

Cancel
The **Cancel** button discards any modifications made to the keyboard map.

Defaults
This button resets the entire keyboard map to a specific keyboard map and keyboard language.

Help
The **Help** button displays this help screen.

Customize Keypad

Clicking the **Customize** button on the **Keypad** tab displays the **Customize Keypad** dialog box, which allows you to assign an **action** to a keypad button.

To assign an action to a keypad button:

1. Click on the button you want to assign an action to. This will display the **Button Properties** dialog box.
2. On the **Properties** tab, type a name in the **Text** field. This is the text that will display on the face of the button.

   Note: A single ampersand (&) character used in the button text will cause the character following it to be underlined. To display this character on a button, you must type two ampersand characters (for example, "123 && 4").
3. On the **Action** tab, choose a category and item within the category.
4. Click **OK** to return to the **Custom Keypad** screen.
5. Click **Save** to save and exit.

Rows
This list box defines the number of rows for the keypad. Keypads may have up to 14 rows.

Columns
This list box defines the number of columns for the keypad. Keypads may have up to 8 columns.

Save
The **Save** button saves all modifications made to the keypad file. A dialog box will prompt you to provide a file name for the saved modifications. All keypad files must have the .zkp file extension.

Cancel
This button discards any modifications made to the keypad.

Help
The **Help** button displays this help screen.

Customize Toolbar

Clicking the **Customize** button on the **Toolbar** tab displays the **Customize Toolbar** dialog box, which allows you to add, remove, or reposition buttons on the current toolbar.

To customize the toolbar:

1. Perform any of the following (repeating as necessary):
   - To add a button to the toolbar, choose the **Add** button to display the **Button Properties** dialog box.
   - To remove a button from the toolbar, select the button you want to remove from the **Toolbar buttons** box, and then click **Remove**.
   - To reposition a button on the toolbar, select the button you want to move from the **Toolbar buttons** box, and then click **Up** or **Down** as many times as is appropriate.
2. Click **Save**. The **Save As** dialog box will appear.
3. Enter a name for the toolbar file (it must have a .ztb extension), and then click **Save**. Your custom toolbar will be available for use in any PASSPORT session.

Add/Edit
Choosing the **Add** or **Edit** buttons will display the **Button Properties** dialog box, allowing you to set the properties and **action** of the toolbar button.

Separator
Inserts a separator below the currently selected item.

Remove
When a button (or Separator) is selected in the **Toolbar Buttons** box, clicking **Remove** will delete the selected item from the list.

Up
The **Up** button enables you to move a selected button (or Separator) in the **Toolbar buttons** box up in the list of buttons. Every time you click **Up**, the button is moved up one position in the list. This button, with **Down**, allows you to reposition buttons on the PASSPORT toolbar.

Down
Similar to **Up**, the **Down** button enables you to move a selected button in the **Toolbar buttons** box down in the list of buttons. Every time you click **Down**, the button is moved down one position in the list. This button, along with **Up**, allows you to reposition buttons on the PASSPORT toolbar.

Save
The **Save** button saves all modifications made to a toolbar file. A dialog box will prompt you to provide a file name for the saved modifications. All toolbar files must have the .ztb file extension.

Cancel
The **Cancel** button cancels toolbar modifications made while in the **Customize Toolbar** dialog box.

Help
The **Help** button displays this help screen.

Toolbar Button Properties

Clicking the **Add** or **Edit** buttons on the **Customize Toolbar** screen displays the **Button Properties** dialog box, which allows you to configure the toolbar button properties and set the **Action** to perform when the toolbar button is pressed.

Properties Tab:

Icon
Displays the currently selected icon for the toolbar button.

Available Icons
Displays the icons available for assigning to toolbar buttons.

Browse
Click the **Browse** button to select a custom bitmap file for use as the toolbar button icon.

Text
Text string to display when the **Show Button Text** option is enabled.

Tool Tip
Text string to display when the **Show Tool Tips** option is enabled.

Action Tab:

Category
Displays a list of **action categories**. Choose an item within the category to assign to the toolbar button.

Jump A-Z Keys

Jump keys switch to the corresponding session indicated by the HLLAPI short name letter. For example, the **Jump C** key switches to the session assigned the short name letter C.