

**FlashPoint Development
ZIP Tools for Windows™**

**Quick Start Guide
for
FlashPoint™
ZIP/ZIPX™ and WIZiper™**

Preliminary Draft of Evaluation Guide for
WIZiper/ZIP/ZIPX , Versions 3.10.01.10
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CONTENTS

ACKNOWLEDGMENTS

CONTENTS

PREFACE

WELCOME
USING THIS GUIDE

PART 1. FUNDAMENTAL CONCEPTS

SHAREWARE DISTRIBUTION
FILE COMPRESSION AND ARCHIVES
 File Compression
 Compacted and Compressed Files
 Library and Archive Files
ARCHIVE AND COMPRESSION FORMATS -- A HISTORY

PART 2. GETTING STARTED

FLASHPOINT ZIP/ZIPX ("FPZIP" and "FPZIPX")
FLASHPOINT WIZIPER ("WIZ")
PACKING LIST
 ZIPW (ZIPW##.EXE)
 WIZ (WIZ###.EXE)
INSTALLING FLASHPOINT ZIP TOOLS
 Quick Installation
 Windows 3.0 Installation
 Advanced Configuration
 Application Setup Dialogs
 Windows System Configuration
 Drag and Drop Support for WIZiper

PART 3. USING FLASHPOINT DEVELOPMENT'S WIZIPER (WIZ.EXE)

WHAT IS WIZIPER?
WINDOWS, DIALOG PANELS AND CONTROLS
 Main Window
 Archive File Group
 The Archive File Name Edit Control
 The File Browser Push Button
 The List Dialog Push Button
 The Members Drop Down List Box
 Command Group
 The Command Drop Down List Box
 The Set Options Dialog Push Button
 File Selection Group
 Execution Group
 Other User Controls
 The Minimize Box
 The System Menu
 The About Box
 The Help System
 The Registration Dialog
 Order Info Panels
USING WINDOWS DRAG AND DROP FUNCTIONS

Dropping ZIP Files
Dropping Non-ZIP Files

PART 4. USING FLASHPOINT ZIP (FPZIP.EXE)

COMMAND LINE FORMAT

COMMAND LINE PARAMETERS AND SWITCHES

Syntax

Command Switches and Parameters

Action Switch Descriptions

- Add Files Command (a)
- Delete files command (d)
- Freshen files command (f)
- Display help (h)
- Display about -- license information (l)
- Update files command (u)

Option Switch Descriptions

- Display Module and Command Line (^)
- Display Technical Information (*)

Display Warning and Other Trivia Information -- Verbose Mode (!)

- Optimize Compression Speed and Size (0 - 9)
- Alternate Path for Temporary Build Files (b [path])
- Add File Member Comments (c)
- Specify Extra Compression Options (e[j,n,s,x,#])
- Junk Path Name -- Do Not Store (j)
- Move Files (m)
- Do Not Compress Files with Special Extensions (n)
- Set ZIP File Date to Latest Member Entry (o)
- Store Paths with Member Names (p)
- Quiet Mode (q)
- Recurse Subdirectories (r)
- Compress Files After Date (t mmddyy)
- Automatically Close Window on Completion (w)
- Exclude listed files (x filespecs)
- Add ZIP File Comment (z)

Parameters

- zipfile[.zip]
- [pathspecs]

THE SETUP DIALOG PANEL

PART 5. USING FLASHPOINT ZIPX (FPZIPX.EXE)

COMMAND LINE FORMAT

COMMAND LINE PARAMETERS AND SWITCHES

Syntax

Command Switches and Parameters

Action Switch Description

- Expand Member Files (e)
- Display help (h)
- Display license (l)
- Test integrity (t)
- View member file listing (v)
- Expand Member Files (x)

Option Switch Descriptions
Display Module and Command Line (^)
Display Technical Information (*)
Display warning and other trivia information -- verbose (!)
Restore directory structure (d)
Junk stored paths -- do not extract (j)
Overwrite Existing File (o)
Close window on completion (w)

Parameters
zipfile[.zip]
[d:\target]

THE SETUP DIALOG PANEL

PART 6. GETTING MORE HELP

PART 7. REGISTERED USER -- SUPPORT AND FEEDBACK

APPENDIX 1. HOW TO REGISTER AND LICENSE THE APPLICATIONS

ZIP TOOL SETS

FEES AND CHARGES

License Fees

Single User/Copy License -- Fees

Single User/Copy License -- Quantity Discounts

Site License Fees

Media Charges

Additional Fees and Charges

Required Deposits -- Quantity and Purchase Orders

Fees and Charges are Subject to Change

ORDER INFORMATION

Prepaid (Non-Credit Card) Orders

Site License Orders

Credit Card, Telephone, FAX and Modem Orders

Purchase Orders and Billing

International Orders

SUMMARY OF REGISTRATION AND LICENSE FEES

APPENDIX 2. LICENSE AND AGREEMENTS

APPENDIX 3. ORDER FORMS

APPENDIX 4. SITE LICENSE AGREEMENT

PREFACE

This is the first full release of FlashPoint ZIP Tools for Windows, although the FlashPoint ZIP/ZIPX command modules have been distributed as shareware since late 1991.

The FlashPoint ZIP/ZIPX modules have undergone significant revisions and enhancements since their first release. Previous users should note several changes in their command line switches and parameters, additional features, improvements in speed, and modifications to their user interface.

A major change addition to the tool sets, as a result to user feedback and requests, is the WIZiper (pronounced "wiz-per") user interface. This graphical interface supports each and every feature of ZIP/ZIPX and adds several other features to boot. It also provides Windows 3.1, compatible drag and drop support (even under Windows 3.0), which will allow simultaneous expansion of multiple ZIP archives, a ZIP file member listing tool, file and directory browsers, setup features for itself and the ZIP/ZIPX modules, customized user defined file masks which are saved between sessions, and capability to virtually eliminate all keyboard input.

Other major enhancements to all modules, and the addition of other tools are under development. As each new feature is completed, it will be added to those copies provided to registered users; however, due to the time and expense involved, we will not be releasing new shareware evaluation copies each time a new function is added, absent a major update or bug fix.

References herein to FlashPoint WinNAV or Windows Navigator, and certain of its features such as Windows 3.1 drag and drop compatibility, refer to an upcoming release of WinNAV, which is presently under development, and is planned for release in the third quarter of 1992. This will be the first official release of the Windows 3.1 version of WinNAV, and will be distributed as shareware through various on-line services in the file NAV310.EXE. The current release, distributed as shareware through various on-line services, in the file NAV062.EXE, is compatible with Windows 3.1, but does not support its drag and drop features.

As always, we hope your use of FlashPoint Development's applications and utilities make your day to day use of Windows a little more productive and, of course, a lot more fun.

Richard Patterson
FlashPoint Development
June, 1992

WELCOME

Welcome to FlashPoint Development's ZIP Tools for Windows -- the first, if not only, full, one-hundred percent (100%) Windows implementation of ZIP archive, file compression, management and expansion utilities to be distributed as shareware.

These software tools are essential to every Windows user who

uses a modem for communications,

accesses bulletin board systems ("BBS") or mainframe services, such as CompuServe or GEnie, or

believes disk free space is and will continue to be a valuable resource.

A ZIP compressed file will often be 50% to 70% smaller than the aggregate size of its original member files. Thus, the major benefit is that ZIP file compression can save significant disk space; however, there are also several not so obvious benefits.

ZIP archives can also reduce the number of individual files stored on a disk drive, by combining groups of related files in a single library or archive file; this can result in faster system response by DOS and Windows based applications who would otherwise experience noticeable slowdowns when forced to access directories containing large numbers of individual files. Fewer and faster disk accesses will also prolong the life of a system's drives, which in turn may result in lower repair and replacement costs.

Those who transfer files to and from remote systems will see immediate savings in long distance tolls and on-line service charges, which should be proportionately related to time saved by transferring a single, smaller, compressed ZIP file, rather than several uncompressed individual files.

No matter whether you are new to ZIP file compression or have been using the old reliable DOS ZIP utilities since their introduction by Phil Katz and PKWare, Inc., if you use Windows, you will certainly find additional benefits to be derived in upgrading to FlashPoint's ZIP Tools for Windows.

USING THIS GUIDE

How much a user knows about Windows, DOS, files and file compression, and general computer software and hardware will determine how to best use this documentation.

This Guide has been organized into parts, which hopefully will allow FlashPoint ZIP Tools users to locate those sections which they need to review, and to avoid having to read or reread topics with which they are already familiar.

For example, persons who are already familiar with shareware, file compression and what ZIP files are, probably do not need to read Part 1, of this guide, "Fundamental Concepts," and may prefer to skip to Part 2; users who will only be using FlashPoint ZIP/ZIPX applications, would not need to review the "Using FlashPoint WIZiper (WIZ.EXE)" sections; and those who will be using WIZiper as an interface to FPZIP and FPZIPX, may not be interested in the command line syntax or other technical details of FPZIP and FPZIPX and could ignore those chapters.

PART 1. FUNDAMENTAL CONCEPTS

SHAREWARE DISTRIBUTION

Please note that these files and application programs are distributed through shareware channels, for evaluation or demonstration purposes only. They are not free.

The term "shareware" simply refers to a method of software distribution or marketing, which is designed to let users try an application before they buy it. The software, however, still must be purchased or licensed by the user, just like other software that is sold in retail stores.

Continued use of copies of any shareware application, beyond the evaluation period, requires the user to purchase and register their copies with the software developer or copyright holder. Failure to do so, simply put, is theft.

For example, anyone who elects to use WIZiper, FPZIP or FPZIPX, beyond their thirty (30) day evaluation period, is required to purchase a license, for each copy of the application in use, from FlashPoint Development. Information on purchasing licensed copies of FlashPoint Development's applications is covered in detail in other parts of this documentation; also, refer to the FlashPoint License Agreements, order forms and the applications' "About ..." boxes for more information.

Upon registration of FlashPoint Development's Zip Tools for Windows, licensed users will be provided with the current registered users disk, which contains the latest release of the applicable FlashPoint ZIP Tools and a complete, illustrated Users Guide, in Microsoft Windows Write and Microsoft Word for Windows formats (FPZIP.WRI and FPZIP.DOC). In addition, the registered user disk may contain additional files and utilities.

FILE COMPRESSION AND ARCHIVES

Often terms such as "compression," "archives," "libraries" and "compacting" are used interchangeably when referring to file and media utilities, however, the terms are far from identical.

File Compression

Generally the term file "compression" refers to any method of reducing a single file's physical size, by varying degrees, and allowing it to be uncompressed at a later time without losing any of its essential characteristics.

The most obvious benefit is that a compressed file will occupy less space on a hard drive, disk, tape or other storage media. Another benefit is that compressed files can be transmitted over wire, telephone or satellite in a shorter period of time than uncompressed files.

Many utilities and applications employ compression. For example, many software development companies now employ proprietary methods of compressing distribution files to reduce the costs of distribution disks and their setup programs uncompress the files upon installation, and most popular graphics file formats are actually compressed

data files.

The bottom line benefit is that using compressed files can directly or indirectly result in substantial savings of time and money.

Compacted and Compressed Files

While the concept of "compacting files" might include "compression," it also might include methods of permanently converting or modifying a file's essential characteristics. That is to say, compacting would also include techniques for reducing a file's size, without providing any means for the compacted file later to be restored to a mirror image of the original file.

This technique is more common to graphics files which do not require restoration to their original resolution. For instance, there is little need to store files in a 600 dots per inch (dpi) format when they will only be reproduced, displayed or printed at 300 dpi. Thus by converting the original files to a more compact lower resolution file, significant savings in storage space can result.

For purposes of this documentation we are not concerned with permanently "converting" files, we are concerned with temporarily "storing" files in a compressed form for later retrieval. Therefore, any references herein to compacting refers to the later and not the former.

Library and Archive Files

The term "libraries," as well as "archives," refers to file formats which combine groups of files in a single file; that is to say, groups of files are contained within a single library or archive file.

"Library" files, at least when the term first became popular in personal computing with the advent of *.LBR files, referred to groups of uncompressed files; however, it was common for files to be compressed or rather "squeezed" by a standalone utility prior to being stored in a *.LBR file with a separate standalone library utility.

On the other hand, the term "archive" files, tended to refer to groups of compressed files after the advent of the once popular *.ARC file format. Thus, a single program was used to both compress and store multiple files in a single archive.

FlashPoint's ZIP tools (as most third-party ZIP tools) create "zipped" files which are another form of "archive" files. Thus, these applications can be considered "archive" programs, in that a single utility program first determines the optimum method, if any, for compressing a file, then compresses it, and finally stores or appends it to the archive or *.ZIP file.

ZIP file compression can save significant disk space on most systems and allow faster data transfer to other systems, e.g., via modem; a compressed file will often be 50% to 70% smaller than its original size.

When this documentation refers to a "ZIP" file or "zipfile," it refers to the main "archive" file. References to "member" files are to the group of files stored within a ZIP archive. Hopefully, this will avoid confusion in trying to distinguish files that are "zipped" within an

"archive" file having the ZIP file extension.

ARCHIVE AND COMPRESSION FORMATS -- A HISTORY

Over the years, numerous archive and compression formats have been employed in IBM compatible personal computing, and for non-DOS operating systems.

In the early days of CP/M, one popular compression method was "squeezing" files to create a file with the SQZ format; these files were then stored in a "library" file with the "LBR" extension. Later developers came up with other, more efficient, compression and storage formats, some of which are still occasionally used today.

Users, with a modem who access a computer bulletin board system (BBS) or an on-line service such as CompuServe or GENie, or who purchase shareware disks from various software vendors, may still occasionally come across archive files with extensions such as LBR, LZH, LSH, LSZ, ARC and ARJ. However, they are more likely to find files having the ZIP file extension.

The most significant format prior to the ZIP format standard, created by Phil Katz of PKWare, Inc., was ARC developed by System Enhancement Associates, Inc. ("SEA"). However, the ARC format was abandoned by the BBS and on-line community almost overnight.

In an attempt to zealously protect its ARC utilities market and to keep the ARC file format, the file extension "ARC" and even the term "archive" itself proprietary, SEA made a fatal mistake and sued Phil Katz and PKWare, Inc., who had become SEA's biggest competitor after developing a set of more efficient ARC utilities.

Phil Katz and PKWare, Inc., having apparently decided that they could not afford to defend against the SEA lawsuit, were forced into a settlement agreement which required them to abandon their ARC utilities and code to SEA. But what appeared to be a major victory for SEA, soon proved to be SEA's worst nightmare -- Phil Katz and company didn't go away.

The BBS and on-line user community, justly or unjustly, became outraged at SEA, viewing it as the villain and Phil Katz as the underdog, and began to revolt. When Phil Katz chose to develop a new, improved, better-than-ARC, set of DOS file compression and archive utilities, i.e., PKZIP, the ZIP standard was born. Within a few months, after some of the most heated on-line debates in the history of BBS and on-line computing, system operators ("sysops") across the country began converting all ARC files on their systems to the ZIP format, and the ARC file format began to fade into history.

So much for history and legends. The ZIP, version 1.1, compression format is the most popular file compression format in use today; without question, it is the industry standard.

PART 2. GETTING STARTED

FlashPoint Development's ZIP Tools for Windows are a set of integrated file compression and extraction applications, which provide full file compression, testing, listing and expansion support for ZIP compressed file formats.

FLASHPOINT ZIP/ZIPX ("FPZIP" and "FPZIPX")

FPZIP and FPZIPX are compatible with PKWare's PKZIP, version 1.1, file formats, and support both implosion and shrinking compression methods.

Files created under DOS by PKZIP can be tested, modified, listed or expanded by FPZIP and FPZIPX, and files created by FlashPoint ZIP Tools for Windows may be manipulated under DOS, OS/2, Unix, Amiga and other operating systems, by PKWare's ZIP utilities and those of various third parties.

Like the DOS PKZIP and PKUNZIP utilities, FPZIP and FPZIPX for Windows are strictly command line applications, and have an optional parameter and switch syntax similar to their DOS counterparts. This allows third-party developers to incorporate support for FPZIP and FPZIPX into their own Windows applications.

FPZIP for Windows is the compression utility, that is used to create and modify existing ZIP files. It will compress one or more files, file directories and directory branches into a single ZIP archive. Within a ZIP archive, a copy of each original file, referred to as a "member" file, is compressed or stored with its name, an optional relative path, size, date and time last modified, an optional file comment and other important information.

FPZIPX for Windows is the extraction or expansion utility. It will list or extract member files contained in a ZIP archive file, and test the compressed files integrity. It will even recreate or build directories which are stored within a ZIP file, and expand member files to the appropriate directory.

FLASHPOINT WIZIPER ("WIZ")

As indicated, FPZIP and FPZIPX are command line applications like their DOS counterparts. This means that, unlike most Window applications, users cannot run the programs and then enter the file name; rather the FPZIP or FPZIPX program must be started with all file names, switches and parameters specified in the DOS command line form. Obviously, this doesn't impress most Windows users, who have invested a lot of time and money in Windows just to avoid command lines.

WIZiper (pronounced "wiz-per") provides the ZIP capabilities most Windows users will want. It's a full Windows point and click, drag and drop, popup and pull-down, user interface for both FPZIP and FPZIPX. No more command line, and almost no keyboard input required.

PACKING LIST

FlashPoint Development's ZIP Tools are originally distributed in two sets of self extracting archive files:

WIZ###.EXE
ZIPW##.EXE

The WIZ### package is designed for the average Windows user who wants are requires a predesigned user interface; whereas, the ZIPW## (which is smaller in size) is geared to the Windows developer who would prefer to develop his or her own user interface for the FPZIP and FPZIPX command modules.

All files contained in the ZIPW## distribution package are also contained in the WIZ### distribution package. Therefore, if you have obtained a copy of WIZ###, you will not need ZIPW##.

Note also that the number or pound symbols ("#"), contained in each file name, represent and are replaced with the product release or version number, e.g., ZIPW31.EXE and WIZ310.EXE contain version 3.10.01.10. This allows users who download the applications from bulletin boards and on-line services to locate the most current release of the product, i.e., the one with the higher number.

ZIPW (ZIPW##.EXE)

The basic ZIPW##.EXE distribution package, contains only the essential FlashPoint ZIP compression, management and extraction command modules, i.e., FPZIP.EXE and FPZIPX.EXE. The ZIPW package is designed more for Windows power and tech users, and third-party software developers who may wish to consider incorporating support for the FlashPoint command modules into their own applications.

As the ZIPW distribution package does not include the WIZiper user interface, most end users will want to obtain the more complete FlashPoint ZIP Tools for Windows distribution package, which is contained in the WIZ###.EXE self-extracting archive file.

The following listing identifies the minimum files that should be included in the ZIPW##.EXE self-extracting archive file; additional files may also be included.

FPZIP .EXE	ZIP	compression/modification
program		
FPZIPX .EXE	ZIP	extraction, test and list
program		
README .WRI	REAL IMPORTANT	information on this
release!		
FLASHDOC.WRI	FlashPoint ZIP Tools	Evaluation Users
Guide (this file)		
LICENSE .WRI		What you agree to be legally bound
to		
ORDERFRM.WRI	Order forms	to purchase/license software

WIZ (WIZ###.EXE)

The complete FlashPoint ZIP Tools for Windows distribution package is contained in the WIZ###.EXE self-extracting archive file. The WIZ package is designed more for Windows end users, rather than power and tech users who prefer not to use the WIZiper user interface for FPZIP and FPZIPX.

Most end users and developers, at least initially, will want to obtain the more complete FlashPoint ZIP Tools for Windows distribution package, i.e., WIZ###.EXE.

The following listing identifies the minimum files that should be included in the WIZ###.EXE self-extracting archive file; additional files may also be included.

WIZ.EXE	WIZiper User Interface for FPZIP and FPZIPX
WIN30DLL.EXE	Windows DLL's required for Windows 3.0 users
FPZIP.EXE	ZIP compression/modification program
FPZIPX .EXE	ZIP extraction, test and list program
README .WRI	REAL IMPORTANT information on this release!
FLASHDOC.WRI	FlashPoint ZIP Tools Evaluation Users Guide (this file)
LICENSE .WRI	What you agree to be legally bound to
ORDERFRM.WRI	Order forms to purchase/license software

INSTALLING FLASHPOINT ZIP TOOLS

Quick Installation

Basic installation simply requires extracting the application files from the self-extracting archive, e.g., ZIPW###.EXE or WIZ###.EXE, and then copying them to the Windows directory (where the WIN.INI file is located).

Alternatively, the application files (those ending with the file extension "EXE") may be copied to any directory that is accessible through the DOS PATH setting.

While the resource files (those ending with the file extension "DLL") and any help files (those ending with the file extension "HLP") should be copied to the Windows or Windows System directory, they may also be copied to any directory that is designated in the DOS PATH setting. Note, however, that some systems and Windows configurations may produce various error messages with respect to not being able to locate a file or dyna link, if these files are not placed in the Windows and Windows System directories.

Windows 3.0 users will also need to install the Windows 3.1 DLL's, contained in the self extracting archive WIN30DLL.EXE, if they intend to run the WIZ.EXE application. See, "Windows 3.0 Installation."

Windows 3.0 Installation

In addition to the "Quick Installation" instructions, users, who have not upgraded from

Windows version 3.0, will also need to insure that the following dynamic link libraries (DLL's) have been installed on their system, before attempting to run WIZ.EXE.

COMMDLG.DLL
SHELL.DLL

These files are required to run WIZ.EXE, due to the fact that WIZiper is designed to take advantage of several new Windows 3.1 features, such as drag-drop and common dialogs. They are contained in the self-extracting archive file WIN30DLL.EXE, which is included in the WIZ distribution package.

These files are required to be installed in the Windows System directory (where the Windows GDI.EXE file and other DLL's are located).

These files are "installed" by simply copying them to the designated System directory. However, before copying them to the Windows System Directory, verify that they were not previously installed by another Windows program. If the COMMDLG.DLL and SHELL.DLL have already been installed, there is no need to reinstall them unless the files distributed with WIZ have a more recent file date and time.

Advanced Configuration

Application Setup Dialogs

Further installation and user customization can be performed from each application's "Setup" and "Options" dialog panels.

Once you are running an application, its "Setup" or "Options" dialog panel may be invoked through its System Menu or, in the case of WIZ, by selecting the main window's "Options" push button control.

The "Setup" and "Options" dialog panels allow you to install default configuration settings, thereby avoiding having to enter command switches and parameters each time the applications are run.

Windows System Configuration

Either WIZ.EXE or FPZIPX.EXE may be "associated" with all files having the *.ZIP extension. Most users will find it more productive to associate ZIP files with WIZ.EXE, rather than to FPZIPX.EXE.

When ZIP files are associated with either WIZ or FPZIPX, a simple double-click with the mouse or pressing the **[ENTER]** key while on a ZIP filename, in FlashPoint's WinNAV or Windows File Manager shell, will execute the associated program and load the selected ZIP file for processing.

Refer to the applicable shell or file manager application's user manual or the "Microsoft Windows User Guide", for information on how to "associate" files.

Drag and Drop Support for WIZiper

The user can set the default "Do on Drop" ZIP file action by editing or adding the

"DoOnDrop=" keyword, together with the applicable "Keyword Setting" number, to the "FPZIP.INI" file's "[WIZ]" section. The FPZIP.INI file should be located in the Windows directory.

For example, the user may open the FPZIP.INI file for editing with Windows Notepad, and add or edit the following section keyword:

```
[WIZ]
DoOnDrop=5
```

In the above example, the keyword "DoOnDrop" is set to "5." This sets the default drop action to "Extract;" when the user drops a ZIP file or group of ZIP files on WIZiper, each file will be automatically extracted to the current or "Set Options" "Destination" directory.

WIZiper supports the following "Do On Drop" actions and "Keyword Settings:"

Do On Drop Action	Supports Multiple Files		Keyword Setting	
Add/Replace		NO		1
Update	NO		2	
Freshen		NO		3
Extract	YES		5	
Test	YES		6	
View	NO		7	

Table 1. Drag and Drop Functions

PART 3. USING FLASHPOINT DEVELOPMENT'S WIZIPER (WIZ.EXE)

WHAT IS WIZIPER?

WIZiper (pronounced "wiz-per" and often referred to as "WIZ") provides the ZIP capabilities most users want and need in a Windows application.

It is the user interface for both FPZIP and FPZIPX, and its window and dialog controls provide access to every function and command each utility is capable of performing.

WINDOWS, DIALOG PANELS AND CONTROLS

The easiest and quickest way to master FlashPoint's ZIP Tools is through WIZiper, and the easiest way to master WIZiper is by becoming familiar with its windows, dialog panels and controls.

Main Window

As can be seen below, WIZiper's main dialog panel or control window presents the user with a much less intimidating user interface than PKWare's DOS PKZIP and PKUnZIP utilities (which rely solely on the DOS command line) and most of their Windows shells.

Figure 1. WIZiper Main Window

The main window controls are logically ordered, and consist of four control groups:

- Archive File group,
- Command group,
- File Selection group
- Execution group.

Archive File Group

The Archive File group contains four user controls:

- Archive File Name edit box
- File Browser push button
- List Dialog push button
- Members drop down list box

[Graphic Omitted from Evaluation Users' Guide]

Figure 2. The Archive File Group

The Archive File Name Edit Control

The "Archive" file edit control, which will contain the name of an archive to be created or modified. The archive name may be entered by the user by

- manually typing the name in the edit box,

- using a mouse to drop a selected archive file from another file utility [note that the external application must support the Windows 3.1 drag-drop protocol, e.g., Windows 3.1's File Manager or the upcoming release of FlashPoint's WinNAV],

- selecting an archive with the File Browser dialog, or

- selecting an active file into the List dialog panel.

The File Browser Push Button

The "Browse" button to the right of the "Archive" edit box activates the File Browser.

Figure 3. File Browser Dialog

The "File Browser" allows the user to scroll through all files, on any drive or directory on his or her system, in order to locate the desired file name to be entered into "Archive" edit box. Once the appropriate ZIP file appears in the "File Name" edit box, all that the user needs to do is click on the "OK" push button and the selected filename (with applicable drive and path appended) is entered into the "Archive" edit control. To quit or close the "File Browser" without changing the original edit control, the user can either click on the "Cancel" push button or press [Escape] key.

The List Dialog Push Button

The "List" button activates the List dialog panel, which can be used for selecting an archive file name, in addition to viewing a listing of an archive's member files and various technical information for each member and the archive itself.

Figure 4. List Dialog

The selected "Archive" file name may be changed by the user without exiting the "List" dialog panel. This is done by the user manually typing a new ZIP file name into the "Archive" edit control, or by using the "Browse" button to the right of the edit control. The "Browse" button is used to display the "File Browser" dialog panel.

The "File Browser" allows the user to scroll through all files, on any drive or directory on his or her system, in order to locate the desired file name to be entered into "Archive" edit box. Once the appropriate ZIP file appears in the "File Name" edit box, all that the user needs to do is click on the "OK" push button and the selected filename (with applicable drive and path appended) is entered into the "Archive" edit control. To quit or close the "File Browser" without changing the original edit control, the user can either click on the "Cancel" push button or press [Escape] key.

If the user selects the "OK" button to close the "List" dialog panel, the main window's "Archive" edit box will be updated to reflect the last file name selected in the "List" dialog. If the user selects the "Cancel" push button or presses the escape [Esc] key to close the "List" dialog, the main window "Archive" edit box will remain unchanged.

The Members Drop Down List Box

When a valid archive name is entered for an existing file, a listing of its member files will be loaded into the "Members" drop down list box. This listing may be scrolled up or down, to display all member files, together with their uncompressed size and the date and time of creation or last modification.

Command Group

The Command group contains only two user controls:

- Command drop down list box
- Set Options dialog push button

[Graphic Omitted from Evaluation Users' Guide]

Figure 5. The Command Group

The Command Drop Down List Box

The "Command" drop down list box is used to select the file operation to be performed on the specified ZIP file. The available commands include:

- Add/Replace
- Delete
- Extract
- Freshen
- Help - FPZip
- Help - FPZipX
- License - FPZip
- License - FPZipX
- Test
- Update
- View List

The "Add/Replace" command is used to add member files to either a new or existing ZIP file. All files which match the specified file mask will be added to the ZIP file. Added files will overwrite existing member entries in the ZIP file, if the new file's name is identical to an existing member file's name.

The "Delete" command is used to delete specified member files from the ZIP archive.

The "Extract" command is used to extract all or specified member files from a ZIP archive, i.e., a copy of the member file is recreated or expanded to its original size and date. The compressed member file within the ZIP remains intact, until such time as the user removes it with the "Delete" command.

The "Freshen" command is used to replace existing ZIP file members with newer files having identical file names. This option will not add files that are not already in the specified ZIP file.

The "Help - FPZip" command is used to start FlashPoint ZIP (FPZIP.EXE), and display its Help dialog panel. No other functions are performed.

The "Help - FPZipX" command is used to start FlashPoint ZIPX (FPZIPX.EXE), and display its Help dialog panel. No other functions are performed.

The "License - FPZip" command is used to start FlashPoint ZIP (FPZIP.EXE), and display information about the application, including version, release date, copyright and trademark notices, FlashPoint Development's address and telephone number, and software registration, license and ordering information.

The "License - FPZipX" command is used to start FlashPoint ZIPX (FPZIPX.EXE), and display information about the application, including version, release date, copyright and trademark notices, FlashPoint Development's address and telephone number, and software registration, license and ordering information.

The "Test" command is used to test the integrity of the specified ZIP file and its members.

The "Update" command is used to add only new member files to a ZIP file. This option will only overwrite an existing member entry, if a matching specified member file has a more recent date than an existing ZIP file member.

The "View List" command is used to display a listing of the ZIP file members, including descriptive and technical information.

The Set Options Dialog Push Button

The Command group's "Options" push button displays the "Set Options" dialog panel.

Figure 6. Set Options Dialog

The "Set Options" dialog panel is used to further refine the "Command" function selected by the user.

The combined dialog controls allow the user to preset all options that can be performed by FPZIP or FPZIPX in conjunction with a selected "Command." These functions could also be invoked by executing either FPZIP or FPZIPX from a command line prompt, with various switches and parameters manually appended to the command line by the user.

The first group of dialog controls allow the user to predefine the "Destination" and "Work Directory" drive and path.

The "Destination" directory identifies the default drive and path that a ZIP file member will be expanded to when the "Extract" command is executed. If the "Destination" is not specified by the user the member files will be extracted to the system's current directory.

The "Work Directory" identifies the default drive and path that FlashPoint ZIP (FPZIP.EXE) will use for its temporary build files needed to create or modify a ZIP archive file. Temporary build files are created when the "Add/Replace," "Delete," "Freshen" or "Update" command is executed. If the "Work Directory" is not specified by the user FPZIP will use the system's current directory for its temporary build files.

If FlashPoint ZIP does not have sufficient free work space to create temporary build files, the executed "Command" will fail.

To select the default "Destination" or "Work Directory," the user has the option of typing the drive and path spec directly into the appropriate edit box, or using the "Browse" push buttons directly to the right of the edit window. If the user elects to use the "Browse" buttons, the "Directory Browser" dialog panel is displayed.

Figure 7. Directory Browser Dialog

The "Directory Browser" allows the user to scroll through all drives and directories on his or her system, in order to locate the desired path to be entered into either the "Destination" or "Work Directory" edit box. Once the appropriate drive and path is selected, all that the user needs to do is click on the "OK" push button and the "Selected" path is entered into the "Set Options" edit windows. To quit or close the "Directory Browser" without changing the original edit control, the user can either click on the "Cancel" push button or press [Escape] key.

The "Exclude" edit box control allows the user to designate a list of files or file types to be excluded from the ZIP archive. If activated, the excluded files will not be added as members of the ZIP file.

The "Activate" check box control to the right of the "Exclude" edit window, if checked, activates the "Exclude" files switch, and excludes those files specified in the "Exclude" edit box.

The "No Comp Ext" edit box control is used in conjunction with the "Do Not Compress Files with Special Extensions" switch. The edit control is used to designate a list of files having special file extensions which should not be compressed, but merely "stored" in the ZIP archive. If activated, FPZIP will make no attempt to compress the designated file types. Compressed

files, such as those having a ZIP, ARC or LZH file extension, generally can not be compressed further; therefore, it saves significant time to tell FPZIP not to waste time testing whether or not these file types can be compressed.

The "Activate" check box control to the right of the "No Comp Ext" edit window, if checked, activates the "Do Not Compress Files with Special Extensions" switch.

The next control group, identified by the "Compression Method" group box, is comprised of radio buttons labeled:

- Best Type
- Implode Only
- Shrink Only

These buttons are used to set or limit the compression methods that FPZIP can use when adding files to a ZIP archive. They are used as follows:

Select the "Best Type" radio control to allow FPZIP to automatically determine the most efficient compression method to use on a particular file. FPZIP will use the maximum compression method to achieve the smallest member file size. However, in some rare instances, a small file, e.g., a one or two line batch file, cannot be effectively compressed by either imploding or shrinking; in that case, the file is simply "stored" uncompressed.

Select the "Implode Only" radio control to force exclusive use of the implode method of compression only; shrink compression will not be used. Files that cannot be compressed by imploding are "stored" uncompressed.

Select the "Shrink Only" radio control to force exclusive use of the shrink method of compression only; implode compression will not be used. Files that cannot be compressed by shrinking are "stored" uncompressed.

The "Implode Factor" group box, contains a single drop down list box. It allows the user to set an implosion factor, i.e., to optimize implode compression either for speed or maximum compression size. This effects imploding only, not shrinking. The user may select any number on a scale between "0" and "9;" where "0" represents the fastest mode but the poorest compression size, and "9" represents the best compression size but the slowest mode. The default is set to "5."

The next control group, identified by the "Default Association" group box, is comprised of radio buttons labeled:

- Extract
- Test
- View

These buttons are used to set the default action for FPZIPX. If FPZIPX is executed without any action switch being specified in its command line, then the "Default Association" will be performed on the specified ZIP file.

The remaining groups consist of three columns of check box controls. The first column is used to set FlashPoint ZIP (FPZIP.EXE) defaults, the second column is to set FlashPoint ZIPX (FPZIPX.EXE) defaults, and the third column sets defaults for both FlashPoint ZIP and ZIPX.

The "Recurse Subdirs" check box sets the "Recurse Subdirectories" switch. If checked, FPZIP will recurse through an entire directory structure, i.e., the specified or current directory and each of its subdirectories or branches, searching for files to add to the ZIP archive.

The "Store Recur Dirs" check box sets the "Store Path Name" switch. If checked, both the file name and its relative path are stored in its ZIP file entry.

The "Comment ZIP" check box sets the "Add ZIP File Comment" switch. If checked, FPZIP will prompt and allow the user to add comment for the ZIP file being created or modified.

The "Comment Files" check box sets the "Add File Member Comments" switch. If checked, FPZIP will prompt and allow the user to add file comments for each, individual member entry, within the ZIP file being created or modified.

The "Zip Date to Files" check box sets the "Set ZIP File Date to Latest Entry" switch. If checked, the ZIP file's date and time are set to the date and time of its latest, or more recently created or modified, member file entry.

The "Move to archive" check box sets the "Move to Archive" switch. If checked, the original unarchived member files, together with any specified directories (to the extent possible), will be deleted after the ZIP file has been successfully created or modified.

The "From (mmddyy)" check box sets the "Compress Files After Specified Date" switch. If checked, FPZIP's compression commands will only add files created or modified on or after the specified date. The date is entered in the edit control beside the "From (mmddyy)" check box in the 'mmddyy' format.

The "Expand Stored Dirs" check box sets the "Restore Directory Structure" switch. If checked, member files will be expanded and copied on extraction to their original directories, if any, whose names are stored in the ZIP file; a stored path will be rebuilt if it does not exist. Stored paths are relative to the target path. If the path does not exist on the user's system, FPZIPX will create it.

The "Overwrite" check box sets the "Overwrite Existing Files" switch; this switch effects only FPZIPX, during processing of the "Extract" command. If checked, the user prompt, which queries whether or not an existing file should be overwritten by the member file being expanded, is disabled, and existing files will automatically be over written by extracted files which have identical names.

If the "Overwrite Existing File" switch is not set, i.e., the "Overwrite" box is not checked, the following user prompt is displayed before a member file is extracted:

[Graphic Omitted from Evaluation Users' Guide]

Figure 8. File Exists Prompt

This dialog provides several new extraction options not found in other DOS or Windows ZIP expansion utilities.

If the user selects the "Cancel" push button, the existing file will not be overwritten by the member file being extracted, and FPZIPX will terminate processing of the "Extract"

command.

If the user selects the "Yes" push button, the existing file will be overwritten by the member file being extracted. FPZIPX will continue processing of the "Extract" command, and continue to prompt before overwriting other existing files.

If the user selects the "All" push button, the existing file will be overwritten by the member file being extracted, and all subsequent prompts to overwrite other existing files will be disabled (just as if the "Overwrite" box had been checked on the "Set Options" dialog panel). FPZIPX will continue processing of the "Extract" command.

If the user selects the "Skip" push button, the existing file will not be overwritten, the member file will not be extracted, and FPZIPX will continue processing of the "Extract" command.

If the user selects the "Rename" push button, the following dialog is displayed:

[Graphic Omitted from Evaluation Users' Guide]

Figure 9. Rename File To Be Extracted Dialog

This dialog allows the user to rename the member file to be extracted, thus avoiding overwriting the existing file while still allowing the member file to be extracted; FPZIPX will continue processing of the "Extract" command, and continue to prompt before overwriting other existing files. This avoids the common dilemma, under other ZIP expansion utilities, of either (1) having to terminate the extraction processing, renaming or moving the existing file, and then restarting the extraction process from scratch, or (2) overwriting the existing file -- a common dilemma for ZIP archives that contain "readme" member files.

The "Echo Cmd Line" check box sets the "Display Module and Command Line" switch. If checked, upon execution both FPZIP and FPZIPX will display the full filespec for the current command module and echo the full command line entered by WIZiper or the user on startup.

The "Auto Close" check box sets the "Close Window on Completion" switch. If checked, upon completion of processing both FPZIP and FPZIPX will automatically close the application's main window and terminate.

The "Sound Beep" check box sets the "Sound On" switch. If checked, both FPZIP and FPZIPX will make an audible beep when certain events occur, e.g., a user prompt or message box is displayed.

The "Show Tech Info" check box sets the "Display Technical Information" switch. If checked, upon execution both FPZIP and FPZIPX will display technical and debugging information during processing of a ZIP file and its members. Generally this feature is of little use in everyday operations.

The "Inform User" check box sets the "Display General Information" switch. If checked, upon execution both FPZIP and FPZIPX will display general information on its progress and status.

The "Warn User" check box sets the "Display Warning Information" switch. If checked, upon execution both FPZIP and FPZIPX will display user warnings information during

processing of the ZIP file and its members. Generally these warnings are not fatal, and the user may elect to continue processing.

The "Alert User" check box sets the "Display Error Information" switch. If checked, upon execution both FPZIP and FPZIPX will display all error information prior to terminating processing.

The last set of dialog controls consist of four push buttons, grouped along the bottom of the "Set Options" dialog panel. They function as follows:

The "OK" push button sets WIZiper's options to those selected in the "Set Options" dialog panel, and returns to the main window. The new option settings are in affect only for the current WIZiper session or until the user updates them with the "Set Options" dialog panel. WIZiper does not save the new settings or update its Windows "INI" file.

The "Save" push button sets WIZiper's options to those selected in the "Set Options" dialog panel, writes them to or updates its Windows "INI" file, and returns to the main window. The new option settings are in affect, even between sessions, until the user updates them with the "Set Options" dialog panel.

The "Reset" push button is used to restore all dialog panel controls to their last saved state. This forces WIZiper to reread the previous saved settings from its Windows "INI" file.

The "Cancel" push button (as well as the [Esc] key) allows the user to close the "Set Options" dialog without making any changes to the current options, i.e., those in affect prior to calling up the "Set Options" dialog panel.

File Selection Group

The File Selection group, contains five user controls:

- File Mask edit box
- File Mask list box
- Add List Item push button
- Edit List Item push button
- Delete List Item push button

These controls are used to create, modify or remove user defined file specifications or parameters to be appended to the "Execute" command line. This makes it easier for users to select common file names, types or groups to be extracted, added or otherwise manipulated on a repetitive basis.

[Graphic Omitted from Evaluation Users' Guide]

Figure 10. The File Selection Group

Basically this groups essential function is to add or append any text appearing in the "File Mask" edit window to the command line appearing in the "Execution Group" edit box.

The user may manually enter file specifications into the "File Mask" edit box, or, once the user has configured his or her predefined file types using the "Add," "Edit" and "Delete" push

buttons, may select a descriptive item from the File Mask list box. For example, the user could set up a File Mask list box item called "Paintbrush Files" which when selected would insert "*.bmp *.pcx" into the "File Mask" edit box.

To create a new list box item, the user selects the "Add" push button; to modify an existing list box item, the user first selects (highlights) the list box item to be modified, and then selects the "Edit" push button. Selecting either button will display the "Set Mask" dialog panel.

[Graphic Omitted from Evaluation Users' Guide]

Figure 11. Set Mask Dialog

The "Set Mask" dialog panel allows the user to enter a "Description" to be displayed in the "File Mask" list box, and associated "File Patterns" that will be inserted into the "File Mask" edit control when the list item is selected. The file patterns can be full file names or wild cards (" ? " or " * "). Press the "OK" push button to save the information to WIZiper's "INI" file, or the "Cancel" button to return to the main window without saving the information.

To delete or remove an existing list box item, the user first selects (highlights) the list box item to be removed from the File Mask list box, and then selects the "Delete" push button.

Execution Group

The Execution group contains six user controls:

- Execute Command Line edit box
- OK push button -- Executes Command in Normal Window
- Min push button -- Executes Command in Iconic Window
- Max push button -- Executes Command in Maximized Window
- Cancel push button
- Help push button

[Graphic Omitted from Evaluation Users' Guide]

Figure 12. The Execution Group

The "Execute" edit control displays the actual command line that will be executed when the user selects the "OK," "Max" or "Min" push button. This control is updated each time the user changes any of the other main window controls, e.g., if the "Command" drop down list changes from "Add/Replace" to "Extract." The "Execute" command line may also be manually edited by the user.

The "OK" push button control, executes the command line application in a standard window.

The "Max" push button control, executes the command line application in a maximized window -- full screen.

The "Min" push button control, executes the command line application in a minimized or iconic window -- as an desktop icon.

The "Help" push button control, executes the Windows Help application and loads the "FPZIP.HLP" file. Note, at the time of this release, the "FPZIP.HLP" file was still under development, but will be provided to registered users upon completion.

An additional benefit is provided by the WIZiper's "Execution" group. WIZiper can function as an application launcher. It can be used to execute any command line or launch any DOS or Windows application, full screen, in a standard window or as an icon. For this reason, many users will prefer to add WIZiper to their WIN.INI "load" statement or Program Manager "StartUp" window.

Other User Controls

Other Main Window controls include a Minimize Box and the System Menu.

The Minimize Box

The Minimize Box, in the upper corner to the right of the title bar, is a graphic box containing a down arrow. When the user clicks on the box, the application is reduced or minimized to a desktop icon.

The System Menu

The System Menu contains the following user items:

- Restore
- Move
- Minimize
- Close
- Switch To ...
- List ...
- Options ...
- Help ...
- About ...

A system menu is invoked by (1) clicking on the graphic box containing a minus symbol, located in the upper left corner of the application's non-iconic window (to the left of the title bar), (2) clicking on the application's icon when minimized, or (3) pressing the **[ALT]+[SPACEBAR]** key combination, when the application has the active focus.

The first five system menu items are the same as in other Windows applications. "Restore" resizes the application window to its normal state, the "Move" command allows the application to be repositioned on the desktop, "Minimize" reduces the application to a desktop icon, "Close" will terminate the application, and "Switch To ..." will display the Windows Task Manager (or a user substituted application or utility).

The next three system menu items, "List," "Options" and "Help," perform the same function as the Main Window push buttons identified by the same names. They are

duplicated in the System Menu in order provide access to these functions when the application is minimized as a desktop icon.

The final system menu item, "About," invokes the application's About dialog panel.

The About Box

[Graphic Omitted from Evaluation Users' Guide]

Figure 13. WZipper About Dialog Panel

The Help System

The "Help" push button control, executes the Windows Help application and loads the "FPZIP.HLP" file. Note, at the time of this release, the "FPZIP.HLP" file was still under development, but will be provided to registered users upon completion.

[Graphic Omitted from Evaluation Users' Guide]

Figure 14. The WinHelp System File

The Registration Dialog

The "Register" push button displays the User Registration dialog, which allows registered user who have licensed the application to enter their "Registered User" and "Authorization Code" information.

[Graphic Omitted from Evaluation Users' Guide]

Figure 15. User Registration Dialog Panel

When a registered user enters the correct information and selects the "Register" push button, all startup, signon and signoff dialog screens are disabled.

Order Info Panels

The "Order Info" push button provides the user with access to on-line information screens that display basic information on how to order, register and license FlashPoint Development applications.

[Graphic Omitted from Evaluation Users' Guide]

Figure 16. Order Information Dialog

[Graphic Omitted from Evaluation Users' Guide]

Figure 17. Credit Card and Telephone Order Information Dialog

More detailed information on licensing FlashPoint Development applications are set forth in this and other documentation provided with the evaluation distribution packages.

USING WINDOWS DRAG AND DROP FUNCTIONS

Windows 3.1 introduces a host of new functions to the Windows environment; one of the most notable is its shell Drag and Drop ("DND") capabilities. The DND functions are also supported in Windows 3.0 through the use of "SHELL.DLL" which is included in the WIZiper distribution package.

DND allows WIZiper to act as a "client" for any windows file management shell, such as Windows File Manager or FlashPoint WinNAV, that supports the DND "server" functions. This allows a user to select a file or group of files in the shell, and drag them to and drop them on WIZiper; WIZiper then performs its default "Do On Drop" action.

Figure 18. Dragging Multiple ZIP Files from FlashPoint WinNAV to WIZiper for Simultaneous Unzipping

Dropping ZIP Files

When a user drops a ZIP file on WIZiper, the main window's "File Mask" edit control is set to "*.*" (the wild card or all files file specification), and WIZiper will attempt to perform the user's preset, if any, default "Do On Drop" action. WIZiper assumes that a file having a "ZIP" file extension is in fact a ZIP archive.

The user can set the default "Do on Drop" ZIP file action by editing or adding the "DoOnDrop=" keyword, together with the applicable "Keyword Setting" number, to the "FPZIP.INI" file's "[WIZ]" section. The FPZIP.INI file should be located in the Windows directory.

For example, the user may open the FPZIP.INI file for editing with Windows Notepad, and add or edit the following section keyword:

```
[WIZ]
DoOnDrop=5
```

In the above example, the keyword "DoOnDrop" is set to "5." This sets the default drop action to "Extract;" when the user drops a ZIP file or group of ZIP files on WIZiper, each file will be automatically extracted to the current or "Set Options" "Destination" directory.

WIZiper supports the following "Do On Drop" actions and "Keyword Settings:"

Do On Drop Action	Supports Multiple Files	Keyword Setting
--------------------------	--------------------------------	------------------------

Add/Replace		NO		1
Update	NO		2	
Freshen		NO		3
Extract	YES		5	
Test	YES		6	
View	NO		7	

Table 2. Drag and Drop Functions

As noted in **Table 2**, some "Do On Drop" actions will accept multiple dropped files, and some will not. If the user default function is set to either "Extract" or "Test" and the user drags and drops a group of ZIP archives on WIZiper, multiple instances of FPZIPX will be launched -- one for each ZIP file name. After each FPZIPX module in the drop group has loaded, WIZiper will automatically "tile" the Windows desktop to allow the user to monitor each file's processing; this could seem somewhat confusing if you drop twenty or thirty ZIP archives on WIZiper.

Dropping Non-ZIP Files

If the user drops any files on WIZiper, other than a file ending with the ZIP file extension, they are treated as source files that are to be added to a ZIP archive. Such a file's name is added to WIZiper's main window "File Mask" edit control.

In this release, if the user attempts to drop a group of non-ZIP files on WIZiper, only the last file name will appear in the "File Mask" edit box. This may be changed in future releases of WIZiper.

If the user somehow manages to send a Windows drop file message to WIZiper from an external application, but no files were selected by the external application, WIZiper will set the main window "Archive" edit control to its default file name "\new_file.zip" and the "File Mask" edit control to "*.*" (the wild card or all files file specification).

PART 4. USING FLASHPOINT ZIP (FPZIP.EXE)

FlashPoint's ZIP for Windows (FPZIP.EXE) is designed to be invoked or launched by other applications, and its functions are controlled by means of command line parameters and switches; similar to PKWare's DOS PKZIP utility.

Thus, the application may be invoked by the standard "run" or "launch" command prompts, available in most Windows shells, such as FlashPoint's WinNAV and Windows File Manager, or, by more elaborate means, through the use of FlashPoint Development's WIZiper application.

COMMAND LINE FORMAT

The basic command line format for FPZIP can be broken down as follows:

appname.exe -switches zipname.zip parameters ... parameters

The "appname.exe" is the application name (FPZIP.EXE) with or without the full drive and path specifications.

The "-switches" are either action or option commands that always are preceded by a minus sign (-), and with one exception, the exclude file switch (-x list), always are located in the command line before the ZIP file name.

The "zipname.zip" is a filename, including drive and path specs, for the compressed ZIP file to be created, modified or operated on.

The "parameters ... parameters" are generally path or file specs for directories and files to be included in or excluded from the ZIP file operation, and may include DOS wild card characters. The exclude file switch (-x list) may be considered as a parameter of sorts, as it is the last item that appears on the command line for the FPZIP.EXE application.

A more detailed description, of the actual command line syntax, parameters and switches, follows.

COMMAND LINE PARAMETERS AND SWITCHES

Syntax

```
fpzip [-adfhlu] [-^!*#cjmopqrwz] [-b path] -e[insx#] [-t date] zipfile[.zip] [pathspecs] [-x filespecs]
```

Command Switches and Parameters

Command switches are preceded by a minus sign (-), and may be grouped. These switches may contain a single "action" command, and one or more "options" which modify the action to be performed. All command switches in FPZIP precede the ZIP filename, with the single exception of the exclude file switch (-x) which should end the command line.

Files are added to the ZIP file, if no action command appears on the command line, and the user has not modified the "Default Action" switch in the "Setup" dialog panel. The "action" command switches are as follows:

a	Add files (default action)
d	Delete files
f	Freshen files
h	Display help
l	Display about (license information)
u	Update files command

The "option" command switches and parameters are as follows:

^	Display current module and command line
*	Display technical information
!	Display warning and other trivia information (verbose mode)
#	Optimize compression and speed (where "# " is equal to "0" to "9")
b [path]	Set work path for temporary build files
c	Add file member comments
e[i,n,s,x,#]	Specify extra compression options
	[i] Implode Only
	[n] Normal or auto (default -- FPZIP picks best)
	[s] Shrink only
	[x] Normal or auto (same as "n")
	[#] Optimize compression and speed (where # = 0 to 9)
j	Junk/ignore directory names (do not store)
m	Move files
n	Do not compress files with special extensions
o	Set ZIP file date to that of latest member entry
p	Store paths with member names
q	Quiet mode
r	Recurse subdirectories
t [mmddyy]	Compress files after date [mmddyy]
w	Automatically close window on completion
x [filespecs]	Exclude listed files
z	Add ZIP File Comment

Action Switch Descriptions

Add Files Command (a)

Use the 'a' option to add files to either a new or existing ZIP file. This is the default action if no other option is specified. Added files will overwrite entries in an existing ZIP file if their file names are identical.

Delete files command (d)

Use the 'd' option to delete entries from a ZIP file.

Freshen files command (f)

Use the 'f' option to replace existing ZIP file entries with newer files having identical file names. This option will not add files that are not already in the specified ZIP file.

Display help (h)

Use the 'h' option to display the FlashPoint Help dialog panel

[Graphic Omitted from Evaluation Users' Guide]

Figure 19. FPZIP Flash Card Help Dialog

Display about -- license information (l)

Use the 'l' option to display information about this application, including version, release date, copyright, address and license information.

[Graphic Omitted from Evaluation Users' Guide]

Figure 20. FPZIP About Dialog Panel

Update files command (u)

Use the 'u' option to add new files to a ZIP file. This option will only overwrite an existing entry if a specified file has a more recent date than an existing ZIP file entry.

Option Switch Descriptions

Display Module and Command Line (^)

Use the '^' option to display the full filespec for the current module and to echo the full command line entered.

Display Technical Information (*)

Use the '*' option to display technical and debugging information during processing of the ZIP file and its members; this is the "Verbose" mode. Generally of little use in everyday operations.

[Graphic Omitted from Evaluation Users' Guide]

Figure 21. Sample FPZIP Technical (Verbose) Information Display

Display Warning and Other Trivia Information -- Verbose Mode (!)

Use the '!' option to display user warnings and information on irregularities detected during processing of the ZIP file and its members. Generally these are not fatal, and the user may elect to continue.

Optimize Compression Speed and Size (0 - 9)

Use a number between '0' and '9' to optimize the implode compression speed and size; where '0' represents the fastest mode but the poorest compression size, and '9' represents the best compression size but the slowest mode. The internal default setting is "5." See also, "Specify Extra Compression Options."

Alternate Path for Temporary Build Files (b [path])

Use the '[-b path]' option to force all temporary files to be created at an alternate location or on an alternative drive.

Add File Member Comments (c)

Use the 'c' option to add file comments for individual entries within a ZIP file.

[Graphic Omitted from Evaluation Users' Guide]

Figure 22. Comment Editor

Specify Extra Compression Options (e[i,n,s,x,#])

Use the 'e[i,n,s,x,#]' switches to specify extra or enhanced compression options.

If the extra compression switches are omitted, or if "-e" alone or "-en" or "ex" is specified in the command line, FPZIP will automatically choose the best compression method to use. This version will use either the "shrink" or "implode" compression method, or "store" the file -- whichever results in the smallest file size. This is the default.

If the "-ei" compression switches are used, FPZIP will only use the "implode" compression method, or "store" the file, whichever results in the smaller file size. When the "ei" option is used to force exclusive use of the implode method of compression only; shrink compression will not be used. Files that cannot be compressed by imploding are stored uncompressed.

If the "-es" compression switches are used, FPZIP will only use the "shrink" compression method, or "store" the file, whichever results in the smaller file size. When the "es" option is used to force exclusive use of the shrink method of compression only; implode compression will not be used. Files that cannot be compressed by shrinking are stored uncompressed.

The extra compression option switch may also include the number "0" to "9," e.g., "e5" or "ei9" might be used (also note that the number alone is also acceptable, e.g., "-5"). This

permits

further optimization of the implode compression method; "0" indicates optimize for speed, not compression size, and "9" provides a higher compression at a lower speed. The internal default is set to "5" which is the same as using "e5" as a switch setting.

Junk Path Name -- Do Not Store (j)

Use the 'j' option to prohibit paths from being stored with the file name in its ZIP file entry.

Move Files (m)

Use the 'm' option to move files to a ZIP file. This option first adds a file to the ZIP file, then automatically removes the original or source file.

Do Not Compress Files with Special Extensions (n)

Use the 'n' option to disable compression of files having certain extensions. These files are stored without compression. The file extensions may be set or modified using the system menu's "Setup" dialog panel; the default file types are *.ZIP, *.LZH, *.ARC, *.PAK and *.ZOO). They can also be specified in a DOS environment "NOCOMP" setting.

Set ZIP File Date to Latest Member Entry (o)

Use the 'o' option to set the ZIP file's date and time to the date and time of the latest file entry contained therein.

Store Paths with Member Names (p)

Use the 'p' option to store both the file name and its relative path in its ZIP file entry.

Quiet Mode (q)

Use the 'q' option to force the application to run in a quiet mode. This switch disables most message switches, e.g., display technical and warning information, and enables the automatic close window switch; therefore, it should not be followed by any switch which may alter these settings.

Recurse Subdirectories (r)

Use the 'r' option to recurse through a directory structure, i.e., the specified or current directory and each of its subdirectories or branches.

Compress Files After Date (t mmddyy)

Use the '[-t mmddyy]' option to only add files created or modified on or after the specified date. The 'date' is entered in the 'mmddyy' format.

Automatically Close Window on Completion (w)

Use the 'w' option to automatically close the application window upon completion of processing.

Exclude listed files (x filespecs ... filespecs)

Use the '[-x filespecs ... filespecs]' option to exclude the listed filespecs from being added to the ZIP file. This should be last switch and parameters in command line.

Add ZIP File Comment (z)

Use the 'z' option to add a ZIP comment for the ZIP file.

[Graphic Omitted from Evaluation Users' Guide]

Figure 23. Comment Editor

Parameters

zipfile[.zip]

This parameter identifies the command line location of the full filespec for the desired ZIP file to be created or modified. The .ZIP extension will be added if no file extension is specified.

[pathspecs]

This parameter identifies the paths or filespecs of all files that are to be operated on; multiple filenames and wild cards are permitted. [filespec] An optional list of archive members to be processed. Expressions may be used to match multiple members. See DESCRIPTION (below) for more details.

All files in a specified directory are processed, unless a filespec is provided to specify a subset of the files within the directory. The filespec is similar to the standard DOS file expression, and may contain wild cards.

There are two wild cards that may be substituted for a name or extension:

The asterisk (*) represents a whole word or a group of characters.

The question mark (?) represents a single character.

THE SETUP DIALOG PANEL

Selecting the "Setup" item from FPZIP's system menu will display the "Setup" dialog panel. This dialog panel allows the user to select from various groups of controls to set the default switches FPZIP will use if omitted from the command line.

[Graphic Omitted from Evaluation Users' Guide]

Figure 24. FPZIPX Setup Dialog Panel

The "Temp Build File Dir" identifies the default drive and path that FlashPoint ZIP (FPZIP.EXE) will use for its temporary build files needed to create or modify a ZIP archive file. Temporary build files are created when the "Add/Replace," "Delete," "Freshen" or "Update" command is executed. If the "Work Directory" is not specified by the user FPZIP will use the system's current directory for its temporary build files. If FlashPoint ZIP does not have sufficient free work space to create temporary build files, the executed command will fail. To select the default "Temp Build File Dir," the user types the drive and path spec directly into edit box.

The "Exclude Filespecs" edit box control allows the user to designate a list of files or file types to be excluded from the ZIP archive. If activated, the excluded files will not be added as members of the ZIP file.

The "No Compression Extensions" edit box control is used in conjunction with the "Do Not Compress Files with Special Extensions" switch. The edit control is used to designate a list of files having special file extensions which should not be compressed, but merely "stored" in the ZIP archive. If activated, FPZIP will make no attempt to compress the designated file types. Compressed files, such as those having a ZIP, ARC or LZH file extension, generally can not be compressed further; therefore, it saves significant time to tell FPZIP not to waste time testing whether or not these file types can be compressed.

The "On" check box control to the right of the "No Compression Extensions" edit window, if checked, activates the "Do Not Compress Files with Special Extensions" switch.

The "Implode Factor (0-9)" edit control allows the user to set an implosion factor, i.e., to optimize implode compression either for speed or maximum compression size. This effects imploding only, not shrinking. The user may select any number on a scale between "0" and "9," where "0" represents the fastest mode but the poorest compression size, and "9" represents the best compression size but the slowest mode. The default is set to "5."

The "Compression Method" group box, is comprised of radio buttons labeled:

- Best Type
- Implode Only
- Shrink Only

These buttons are used to set or limit the compression methods that FPZIP can use when adding files to a ZIP archive. They are used as follows:

Select the "Best Type" radio control to allow FPZIP to automatically determine the most efficient compression method to use on a particular file. FPZIP will use the maximum compression method to achieve the smallest member file size. However, in some rare instances, a small file, e.g., a one or two line batch file, cannot be effectively compressed by either imploding or shrinking; in that case, the file is simply "stored" uncompressed.

Select the "Implode Only" radio control to force exclusive use of the implode method of compression only; shrink compression will not be used. Files that cannot be compressed by imploding are "stored" uncompressed.

Select the "Shrink Only" radio control to force exclusive use of the shrink method of compression only; implode compression will not be used. Files that cannot be compressed by shrinking are "stored" uncompressed.

The "Optional Commands" group consist of two columns of check box controls. These controls are used to set various FlashPoint ZIP (FPZIP.EXE) default switches.

The "Comment Files" check box sets the "Add File Member Comments" switch. If checked, FPZIP will prompt and allow the user to add file comments for each, individual member entry, within the ZIP file being created or modified.

The "Comment ZIP" check box sets the "Add ZIP File Comment" switch. If checked, FPZIP will prompt and allow the user to add comment for the ZIP file being created or modified.

The "Date to Entry" check box sets the "Set ZIP File Date to Latest Entry" switch. If checked, the ZIP file's date and time are set to the date and time of its latest, or more recently created or modified, member file entry.

The "Auto Close" check box sets the "Close Window on Completion" switch. If checked, upon completion of processing FPZIP will automatically close the application's main window and terminate.

The "Recurse Dirs" check box sets the "Recurse Subdirectories" switch. If checked, FPZIP will recurse through an entire directory structure, i.e., the specified or current directory and each of its subdirectories or branches, searching for files to add to the ZIP archive.

The "Store Paths" check box sets the "Store Path Name" switch. If checked, both the file name and its relative path are stored in its ZIP file entry.

The "Move to ZIP" check box sets the "Move to Archive" switch. If checked, the original unarchived member files, together with any specified directories (to the extent possible), will be deleted after the ZIP file has been successfully created or modified.

The "Sound Beep" check box sets the "Sound On" switch. If checked, FPZIP will make an audible beep when certain events occur, e.g., a user prompt or message box is displayed.

The "Verbose" check box sets the "Display Technical Information" switch. If checked, upon execution FPZIP will display technical and debugging information during processing of a ZIP file and its members. Generally this feature is of little use in everyday operations.

The "Inform User" check box sets the "Display General Information" switch. If checked, upon execution FPZIP will display general information on its progress and status.

The "Warn User" check box sets the "Display Warning Information" switch. If checked, upon execution FPZIP will display user warnings information during processing of the ZIP file and its members. Generally these warnings are not fatal, and the user may elect to continue processing.

The "Alert User" check box sets the "Display Error Information" switch. If checked, upon execution FPZIP will display all error information prior to terminating processing.

The last set of dialog controls consist of two push buttons, grouped along the bottom of the "Setup" dialog panel. They function as follows:

The "Save" push button sets FPZIP's default options to those selected in the "Setup" dialog panel, writes them to or updates its Windows "INI" file, and returns to the main window. The new option settings are in affect, even between sessions, until the user later modifies them with the "Setup" dialog panel.

The "Cancel" push button (as well as the [Esc] key) allows the user to close the "Setup" dialog without making any changes to FPZIP's default options, i.e., those in affect prior to calling up the "Setup" dialog panel remain unchanged.

PART 5. USING FLASHPOINT ZIPX (FPZIPX.EXE)

FlashPoint's ZIPX for Windows (FPZIPX.EXE) is designed to be invoked or launched by other applications, and its functions are controlled by means of command line parameters and switches; similar to PKWare's DOS PKUNZIP utility.

Thus, the application may be invoked by the standard "run" or "launch" command prompts, available in most Windows shells, such as FlashPoint's WinNAV and Windows File Manager, or, by more elaborate means, through the use of FlashPoint Development's WZipper application.

COMMAND LINE FORMAT

The basic command line format for FPZIPX can be broken down as follows:

appname.exe -switches zipname.zip parameters ... parameters

The "appname.exe" is the application name (FPZIPX.EXE), with or without the full drive and path specifications.

The "-switches" are either action or option commands that always are preceded by a minus sign (-), and always are located in the command line before the ZIP file name.

The "zipname.zip" is a filename, including drive and path specs, for the compressed ZIP file to be created, modified or operated on.

The "parameters ... parameters" are generally path or file specs for directories and files to be included in the ZIP file operation, and may include DOS wild card characters.

A more detailed description, of the actual command line syntax, parameters and switches, follows.

COMMAND LINE PARAMETERS AND SWITCHES

Syntax

```
fpzipx [-ehtvx][-^!d]ow] zipfile[.zip] [d:\target\] [filespecs]
```

Command Switches and Parameters

Command switches are preceded by a minus sign (-), and may be grouped. These switches may contain a single "action" command, and one or more "options" which modify the action to be performed. All command switches in FPZIPX precede the ZIP filename.

ZIP archive file members are extracted if no action command appears on the command line, and the user has not modified the "Default Action" switch in the "Setup" dialog panel. The "action" command switches are as follows:

e	Expand (Extract) archive members
h	Display help
l	Display license and information
t	Test archive contents for validity
v	View (ie, list) archive contents
x	Expand (Extract) archive members

The "option" command switches and parameters are as follows:

^	Display current module and command line
*	Display technical information
!	Display warning and other trivia information (verbose mode)
d	Restore directory structure
j	Junk/Ignore stored paths -- do not recreate stored paths
o	Overwrite existing files
w	Close window on completion of processing

Action Switch Description

Expand Member Files (e)

Use the 'e' option to expand a ZIP file or extract the specified members. Same as 'x' switch in this release.

[Graphic Omitted from Evaluation Users' Guide]

Figure 25. Sample FPZIPX Expansion Processing

Display help (h)

Use the 'h' option to display the FlashPoint Help dialog panel

[Graphic Omitted from Evaluation Users' Guide]

Figure 26. FPZIPX Flash Card Help Dialog

Display license (l)

Use the 'l' option to display the FlashPoint license, registration and information panels.

[Graphic Omitted from Evaluation Users' Guide]

Figure 27. FPZIPX About Dialog

Test integrity (t)

Use the 't' option to test the integrity of the ZIP file and its members.

[Graphic Omitted from Evaluation Users' Guide]

Figure 28. Testing File Integrity

[Graphic Omitted from Evaluation Users' Guide]

Figure 29. Testing File Integrity

View member file listing (v)

Use the 'v' option to display a listing of the ZIP file members, including descriptive and technical information.

[Graphic Omitted from Evaluation Users' Guide]

Figure 30. Viewing ZIP Member Listing

Expand Member Files (x)

Use the 'x' option to expand a ZIP file or extract the specified members. Same as 'e' switch in this release.

Option Switch Descriptions

Display Module and Command Line (^)

Use the '^' option to display the full filespec for the current module and to echo the full command line entered.

Display Technical Information (*)

Use the '*' option to display technical and debugging information during processing of the ZIP file and its members. Generally of little use in everyday operations.

Display warning and other trivia information -- verbose (!)

Use the '!' option to display user warnings information during processing of the ZIP file and its members. Generally these are not fatal, and the user may elect to continue.

Restore directory structure (d)

Use the 'd' option to expand files to the original directories stored in the ZIP file; a stored path will be rebuilt if it does not exist. Stored paths are relative to the target path.

Junk stored paths -- do not extract (j)

Use the 'j' option to ignore any directories which have been stored in the ZIP file. All file members will be extracted to the target directory, if designated, or the current drive.

Overwrite Existing File (o)

Use the 'o' option to disable the user prompt which queries whether or not an existing file should be overwritten by the member file being expanded.

If the "Overwrite Existing File" switch is not used and the INI default settings have not been modified, the following user prompt is displayed before a member file is extracted:

[Graphic Omitted from Evaluation Users' Guide]

Figure 31. File Exists Prompt

This dialog provides several new extraction options not found in other ZIP expansion utilities.

If the user selects the "Cancel" push button, the existing file will not be overwritten by the member file being extracted, and FPZIPX will terminate processing of the "Extract" command.

If the user selects the "Yes" push button, the existing file will be overwritten by the member file being extracted. FPZIPX will continue processing of the "Extract" command, and continue to prompt before overwriting other existing files.

If the user selects the "All" push button, the existing file will be overwritten by the member file being extracted, and all subsequent prompts to overwrite other existing files will be disabled (just as if the "Overwrite" box had been checked on the "Set Options" dialog panel). FPZIPX will continue processing of the "Extract" command.

If the user selects the "Skip" push button, the existing file will not be overwritten, the member file will not be extracted, and FPZIPX will continue processing of the "Extract" command.

If the user selects the "Rename" push button, the following dialog is displayed:

[Graphic Omitted from Evaluation Users' Guide]

Figure 32. Rename File To Be Extracted Dialog

This dialog allows the user to rename the member file to be extracted, thus avoiding overwriting the existing file while still allowing the member file to be extracted; FPZIPX will continue processing of the "Extract" command, and continue to prompt before overwriting other existing files. This avoids the common dilemma, under other ZIP expansion utilities, of either (1) having to terminate the extraction processing, renaming or moving the existing file, and then restarting the extraction process from scratch, or (2) overwriting the existing file -- a common dilemma for ZIP archives that contain "readme" member files.

Close window on completion (w)

Use the 'w' option to automatically close the application window upon completion of processing.

Parameters

zipfile[.zip]

This identifies the command line location of the full filespec for the desired ZIP file to be expanded, tested or viewed. The .ZIP extension will be added if no file extension is specified.

[d:\target]

This identifies the 'target' directory, where the ZIP file members are to be expanded.

[filespecs]

This identifies the filespecs of all members within the ZIP file that are to be operated on; multiple filespecs and wild cards are permitted.

All ZIP file members are processed, unless a filespec is provided to specify a subset of the archive members. The filespec is similar to the standard DOS file expression, and may contain wild cards.

There are two wild cards that may be substituted for a name or extension:

The asterisk (*) represents a whole word or a group of characters, and

The question mark (?) represents a single character.

THE SETUP DIALOG PANEL

Selecting the "Setup" item from FPZIPX's system menu will display the "Setup" dialog panel. This dialog panel allows the user to select from various groups of controls to set the default switches FPZIPX will use if omitted from the command line.

[Graphic Omitted from Evaluation Users' Guide]

Figure 33. FPZIPX Setup Dialog Panel

The "Target Pathspec" identifies the default drive and path that a ZIP file member will be expanded to when the "Extract" command is executed. If the "Target Pathspec" is not specified by the user, the member files will be extracted to the system's current directory. To select the default "Target Pathspec," type the drive and path specification in the "Target Pathspec" edit control window.

The next control group, identified by the "Default Action" group box, is comprised of radio buttons labeled:

- Extract Members
- Test Integrity
- View Member List

These buttons are used to set the default action for FPZIPX. If FPZIPX is executed without any action switch being specified in its command line, then the "Default Action" will be performed on the specified ZIP file.

The "Optional Commands" group consist of two columns of check box controls. These controls are used to set various FlashPoint ZIPX (FPZIPX.EXE) default switches.

The "Auto Close" check box sets the "Close Window on Completion" switch. If checked, upon completion of processing FPZIPX will automatically close the application's main window and terminate.

The "Overwrite" check box sets the "Overwrite Existing Files" switch; this switch effects only FPZIPX, during processing of the "Extract" command. If checked, the user prompt, which queries whether or not an existing file should be overwritten by the member file being expanded, is disabled, and existing files will automatically be over written by extracted files which have identical names. See, the "Overwrite Existing File" switch description, for more information.

The "Expand Stored Dirs" check box sets the "Restore Directory Structure" switch. If checked, member files will be expanded and copied on extraction to their original directories, if any, whose names are stored in the ZIP file; a stored path will be rebuilt if it does not exist. Stored paths are relative to the target path. If the path does not exist on the user's system, FPZIPX will create it.

The "Sound Beep" check box sets the "Sound On" switch. If checked, FPZIPX will make an audible beep when certain events occur, e.g., a user prompt or message box is displayed.

The "Inform User" check box sets the "Display General Information" switch. If checked, upon execution FPZIPX will display general information on its progress and status.

The "Warn User" check box sets the "Display Warning Information" switch. If checked, upon execution FPZIPX will display user warnings information during processing of the ZIP file and its members. Generally these warnings are not fatal, and the user may elect to continue processing.

The "Alert User" check box sets the "Display Error Information" switch. If checked, upon execution FPZIPX will display all error information prior to terminating processing.

[Graphic Omitted from Evaluation Users' Guide]

Figure 34, Sample FPZIPX Error Message

The last set of dialog controls consist of two push buttons, grouped along the bottom of the "Setup" dialog panel. They function as follows:

The "Save" push button sets FPZIPX's default options to those selected in the "Setup" dialog panel, writes them to or updates its Windows "INI" file, and returns to the main window. The new option settings are in affect, even between sessions, until the user later modifies them with the "Setup" dialog panel.

The "Cancel" push button (as well as the [Esc] key) allows the user to close the "Setup" dialog without making any changes to FPZIPX's default options, i.e., those in affect prior to calling up the "Setup" dialog panel remain unchanged.

PART 6. GETTING MORE HELP

FlashPoint's ZIP Tools for Windows provides several forms of help for the user.

The most important source of help is the registered Users' Guide, which provides the most detailed description of WIZiper, FPZIP and FPZIPX, and their functions. It consists of over seventy (80) pages of text and graphics, including a detailed Table of Contents.

The simplest and fastest source of help is provided in FlashPoint's ZIP and ZIPX built in "Flash Card Help" dialog panels. It provides a sample of the respective application's command line syntax, and allows the user to select a topic from a drop down list box for quick instructions as to the usage of a particular command or parameter.

For more detailed on-line information, registered users will be able to invoke the Windows Help application and load the FlashPoint ZIP Tools "HLP" files. Please note, however, the Windows WinHelp files are still under development, and have not been completed as of the day of this release. Upon completion, an update disk will be provided to registered users; this will contain the FPZIP.HLP file, together with the current version of FlashPoint Developments ZIP Tools for Windows and a complete registered User's Guide (in Windows Write and Word for Windows formats).

PART 7. REGISTERED USER -- SUPPORT AND FEEDBACK

Registered users who do contribute will be notified when major updates and new products are available. Anyone wishing to offer advice and suggestions are most welcome to do so.

Those of you who have registered your copy of ZIP/ZIPX, and wish to receive an updated copy of the latest shareware version, can always obtain a registered copy by mail; include the current disk fee (\$15.00 as of the date of this release) to cover materials, postage and handling costs.

FlashPoint Development is a very small operation, which aspires to providing quality Windows software at low prices; therefore, our user support resources are limited. Should you need assistance, we still will try our best to help. If you do have a question, a bug report, or suggestions for future versions, please drop us a note, and include:

A self addressed stamped envelope (if a reply is required);

The version and software product you are using, which appears on the application's "About" dialog panel;

The versions of DOS and Windows that you are using;

Your hardware configuration (model, memory size, printer, etc.); and

Any Windows or standard DOS applications that you may be running or have loaded under Windows at the time you are running WinNAV.

This information will hopefully help us track any problems and to suggest reasonable solutions to your problems.

Please address all inquiries and requests to:

Richard S. Patterson
FlashPoint Development
P. O. Box 270492
Houston, Texas 77277

In addition, I may be reached on The Fox Micro BBS in Houston, Texas, where unregistered copies of the most recent release of FlashPoint applications will be first posted. Fox Micro's BBS, in Houston, Texas, can be accessed by calling (713) 859-9105 (Public Node) and (713) 859-9108 (Private Node). Please note that access to the Private Node generally requires payment of a membership fee; information on obtaining membership is available on the Public Node. Those interested in Microsoft Windows may find that the Windows conference and file area on this board to be one of the best in the Houston area. Please remember that this is an independent board, and not ran or operated by anyone affiliated with FlashPoint Development, and we are the guests of the systems' operator -- please respect his rules and regulations.

In order to continue to provide quality software at reasonable rates, we generally are unable to return long distance telephone calls, unless you specifically advise us in advance that we may place same collect.

APPENDIX 1. HOW TO REGISTER AND LICENSE APPLICATIONS

FlashPoint's ZIP Tools for Windows, as all commercial shareware applications, must be registered and licensed to be used. Simply put this means each user must purchase the right to continue using the applications beyond the initial thirty (30) day evaluation period.

ZIP TOOL SETS

In an attempt to meet the unique needs of each of FlashPoint's end users, FlashPoint Development's ZIP Tools for Windows are marketed and licensed in three separate configurations. The intent being not to require a user to license an entire tool kit, if his or her needs can be met by one of the more basic applications.

ZIP Tools are licensed to end users, in the following configurations:

Package 1	--	WIZiper, FlashPoint ZIP and FlashPoint ZIPX
Package 2	--	FlashPoint ZIP and FlashPoint ZIPX Only
Package 3	--	FlashPoint ZIPX Only

Package 1, the "WIZiper Package," is the complete set of ZIP Tools for Windows, and is the set most users prefer. It provides the WIZiper user interface, FlashPoint ZIP for file compression and management, and FlashPoint ZIPX for file expansion and testing.

Package 2, the "ZIP/ZIPX or ZIPW Package," provides only the command line modules, FlashPoint ZIP and ZIPX, without the preconfigured WIZiper user interface. Generally, this package is best suited for end users who want to do the hard part themselves, i.e., develop their own custom user interface for FlashPoint's ZIP/ZIPX.

Package 3, the "ZIPX Package," provides only the FlashPoint ZIPX command module, without either FlashPoint ZIP or WIZiper. This package is only useful to users who only extract files from ZIP archives created by third parties, e.g., they only download ZIP files from BBS's and on-line systems, and have no need to actually compress or manage ZIP files.

Package 3, the ZIPX package, is only available by direct mail from FlashPoint Development, and can not be purchased by telephone or credit card from any third party distributor or shareware vendor, such as Public Software Library.

When purchasing any of FlashPoint ZIP Tools for Windows, please be sure to designate the correct package.

FEES AND CHARGES

License Fees

Single User/Copy License -- Fees

Current single user and per copy license fees are as follows:

Package 1 -- WIZiper and FlashPoint Zip/Zipx	\$49.50
Package 2 -- FlashPoint Zip/Zipx Only	39.50
Package 3 -- FlashPoint Zipx Only	29.50

Table 3. Standard License Fees

Package 3, is only available by direct mail from FlashPoint Development, and can not be purchased by telephone or credit card from any third party distributor or shareware vendor, such as Public Software Library.

Single User/Copy License -- Quantity Discounts

For quantity purchasers of single user/copy licenses, discounts are available pursuant to the following schedule:

Quantity -----	Discount -----
1 to 9	-0-%
10 to 49	5%
50 to 99	10%
100 to 499	15%
500 to 999	20%
1000 to 1499	30%
1500 to 1999	40%
2000 or more	50%

Table 4. Quantity Discounts

Please note that discounts apply only to the single user registration/license fee only, and not to media charges. Also note that quantity discounts are available only to end users, either a single individual or business entity; they do not apply to retailers, vendors, distributors, out sourcing agencies or others who wish to acquire products and services for resale.

In addition to all other charges and discounts, quantity purchases, in excess of nine (9)

registrations, require an advance deposit: See, "Required Deposits."

Site License Fees

In addition to single user licenses, site licenses are available pursuant to the following schedules. Site licenses include a single master disk copy, containing applications and documentation, and free upgrades for the first year.

Number of Users	License Fees
First 100	\$2,000
101 to 200	Add \$1,500
201 to 400	Add \$3,000
401 to 600	Add \$2,500
601 to 800	Add \$2,000
801 to 1000	Add \$1,500

Add \$1,500 for each 200 copy increase beyond 1000 copies

Table 5. Site License Fees WIZiper, ZIP and ZIPX (Package 1)

Number of Users	License Fees
First 100	\$1,800
101 to 200	Add \$1,350
201 to 400	Add \$2,700
401 to 600	Add \$2,250
601 to 800	Add \$1,800
801 to 1000	Add \$1,350

Add \$1,350 for each 200 copy increase beyond 1000 copies

Table 6. Site License Fees ZIP and ZIPX Only (Package 2)

Number of Users	License Fees
First 100	\$1,600
101 to 200	Add \$1,200
201 to 400	Add \$2,400
401 to 600	Add \$2,000
601 to 800	Add \$1,600
801 to 1000	Add \$1,200

Add \$1,200 for each 200 copy increase beyond 1000 copies

Table 7. Site License Fees ZIPX Only (Package 3)

Media Charges

Disk sets are available, on both 5.25 (1.2m) and 3.5 (1.44m) inch formats. Each disk

contains the application and on-disk, illustrated user documentation, in both Windows Write (WRI) and Microsoft Word for Windows (DOC) formats. All media charges include postage and handling.

	5.25 inch Disk Set -----	3.50 inch Disk Set -----
US & Canada	\$ 9.00	\$ 10.00
International	16.00	17.00

Table 8. Media Charges

Additional Fees and Charges

The following fees and charges must be added where applicable:

US (Canada) -----	International -----	
\$15.00	\$25.00	Non-US Bank Handling Charge, for checks, drafts or money orders drawn on non-U.S. banks or without U.S. bank routing numbers.
5% of total order or \$20.00 (Non-U.S. Purchase Orders are not accepted)	Purchase Orders Are Not Accepted	Purchase Order Handling Charge (minimum fee is 5% of the total or \$20.00 whichever is greater) whichever is greater). Refer to purchase Order section of this manual before sending a PO.
8.25%	n/a	Sales Tax for Texas Residents

Table 9. Additional Fees and Charges

Required Deposits -- Quantity and Purchase Orders

Purchase orders and quantity orders for single user/copy disk sets, generally, require a minimum deposit in accordance with the following schedule:

Quantity	Deposit on P.O.
1 to 9	-0-%
10 to 49	10%
50 to 99	10%
100 to 499	10%
500 to 999	10%
1000 to 1499	10%
1500 to 1999	10%
2000 or more	10%

Table 10. Quantity and Purchase Order Deposits

These charges may not apply to some government agencies and major U.S. corporations; please contact FlashPoint Development to determine if your agency or corporation qualifies for such deposit waivers.

Fees and Charges are Subject to Change

Please note that the scheduled rates and charges are current as of the date of this release; however, all fees and charges are subject to change without notice.

ORDER INFORMATION

Prepaid (Non-Credit Card) Orders

Prepaid orders require advance payment in U.S. funds, by cash, money orders, postal money orders, and personal and business checks subject to clearance of funds. The instrument must be payable to "**Richard S. Patterson.**"

For non-credit card, mail order purchases, enclose the following items in an envelope:

A fully completed copy of the registration or order form, appearing at the end of this manual, or in the ORDERFRM.WRI file; and

Full payment by cash, check or money order made payable to "**RICHARD S. PATTERSON.**" For your own protection, cash should not be sent through the mail; we will not be responsible for cash that gets "lost."

addressed to:

Richard S. Patterson
FlashPoint Development
P. O. Box 270492
Houston, Texas 77277

Licensing materials will generally be sent to you upon clearance of funds, e.g., check or money order, or receipt of cash. Media sets are often forwarded separately, depending on whether the disk order is for the current or next release, or whether a new version will be available within thirty (30) days. Please allow two to four weeks for delivery.

Site License Orders

Site license orders must be placed directly with FlashPoint Development, and require either (1) advance payment in U.S. funds, by cash, money order, postal money order or check, subject to clearance of funds, or (2) purchase orders, together with any required deposit, subject to acceptance or preapproval by FlashPoint Development. All payment, by check, money order or other instrument, must be payable to "**Richard S. Patterson.**"

For site license orders, enclose the following items in an envelope:

A fully completed copy of the registration or order form, appearing in the Appendix, of this documentation, or in the ORDERFRM.WRI file;

Two (2) fully completed and executed copies of the "Site License Agreement," appearing in the Appendix, of this documentation.

Either:

- (1) Full payment, by cash, check or money order made payable to "**RICHARD S. PATTERSON**" (for your own protection cash should not be sent through the mail -- we can not be responsible for cash that gets "lost" before I receive it), or
- (2) A preapproved purchase order, together with any required deposits, which provides for full payment, by cash, check or money order made payable to "**RICHARD S. PATTERSON**," of the net balance due, within thirty (30) days of receipt of all software materials.

The envelope must be addressed to:

Richard S. Patterson
FlashPoint Development
P. O. Box 270492
Houston, Texas 77277

Licensing materials will generally be sent to you upon clearance of funds, e.g., check or money order, or receipt of cash, and acceptance and approval by FlashPoint of the "Site License Agreement" and any purchase order. Media sets are often forwarded separately, depending on whether the disk order is for the current or next release, or

whether a new version will be available within thirty (30) days. Please allow two to four weeks for delivery.

Credit Card, Telephone, FAX and Modem Orders

FlashPoint Development does not accept orders by phone or credit card orders, however, several third-party shareware disk vendors are approved to accept registrations and orders for FlashPoint products. Contact your favorite shareware vendor, or FlashPoint Development for a vendor in your area or for confirmation of specific vendors authorization.

Please do not send credit card orders direct to FlashPoint Development as they will be returned to you; credit card companies require that the shareware vendor receive such orders direct from the cardholder.

FlashPoint products and disk sets may be purchased by telephone, modem or FAX, by credit card (Visa and MasterCard), through the Public Software Library ("PsL"). For further information contact:

PSL
P. O. Box 35705
Houston, Texas 77235-5705
(713) 524-6394

For the convenience of their customers, PsL reserves the following numbers for "ORDERS ONLY"

Telephone Orders Only:	(800) 242-4775
FAX Orders Only:	(713) 524-6398
Compuserve (CIS) Orders:	71355,470

Please note that shareware vendors generally cannot answer technical questions regarding a product. Furthermore, their "800" and FAX numbers are reserved for credit card orders only.

Purchase Orders and Billing

Purchase orders are subject to acceptance, and may require an advance deposit on large orders. Generally, purchase orders are rejected for orders of less than nine (9) registrations -- even if they are from a major national corporation or governmental agency; we are sorry, but we cannot justify spending hours reading the often cryptic language of multipage purchase orders for relatively small order or single registrations.

Furthermore, purchase orders will not be accepted if they purport to obligate us to your company's terms and conditions which are contrary to those of our licensing agreements or disclaimer of warranties.

As stated herein, there are no warranties whatsoever associated with the software product and documentation, and FlashPoint Development and its suppliers are not responsible for its performance on a particular system. You are the sole judge of the

product's effectiveness and suitability for your particular purposes, and are given an opportunity to pre-evaluate same via shareware distribution.

To order or register products by Purchase Orders, enclose the following items in an envelope:

A fully completed copy of the order form, appearing in the distribution package

Purchase order, stating, in clear and obvious type, items and number of copies to be registered or purchased, together with your shipping and billing address, and

Name, address and phone number of a knowledgeable individual whom we may contact should any question about this order arise,

addressed to:

Richard S. Patterson
FlashPoint Development
P. O. Box 270492
Houston, Texas 77277

International Orders

We recognize the difficulties our international customers face in presenting payment for our products. These difficulties include excessive fees charged for international money orders, postal delays and currency conversion problems of various types.

However, we can only accept drafts, checks, international and postal money orders or travelers checks payable in U. S. Dollars; drafts drawn on non-U.S. banks require an additional handling charge (Canada \$15.00, other International \$25.00). You must perform any necessary currency conversions on your end of the transaction, and take any necessary steps to eliminate the possibility of the loss of the funds by the postal services.

All checks, drafts and money orders must be made payable to "Richard S. Patterson" and not to FlashPoint Development.

Please do not pay by American Express or EuroChecks.

While FlashPoint Development does not accept credit card orders, registration and disk orders can also be paid by credit card, Visa or Master Card, through several U.S. shareware vendors, including the Public software Library ("PsL"). See, the "Credit Card, Phone, FAX and Modem Orders" section of this document for further information.

It is strongly recommended that international orders be paid by Postal Money Orders, as these appear to be honored by most U.S. post offices, or by drafts drawn on U.S. banks with preprinted U.S. bank routing numbers.

An additional charge to cover postal fees and handling is required on all international orders, and is included in the scheduled charges section of this manual. All materials will be mailed via airmail, whenever possible, thus avoiding many unnecessary delays.

SUMMARY OF REGISTRATION AND LICENSE FEES

Fees and Charges¹

	U.S.	Canada	International
Registration Fee - WIZ/ZIP/ZIPX	49.50	49.50	
Registration Fee - ZIP/ZIPX Only	39.50	39.50	39.50
Registration Fee - ZIPX Only	29.50	29.50	
Disk (5.25" 1.2m)	9.00	9.00	16.00
Disk (3.50" 1.4m)	10.00	10.00	17.00
Non-US Bank Charge	15.00	15.00	25.00
Purchase Order Processing Fee	Add 5% (\$20 min)	No P.O. Accepted	No P.O. Accepted
Sales Tax (Texas Residents)	Add 8.25%	N/A	N/A

Single User/Copy Quantity Discounts² and Required Purchase Order Deposits

Quantity	Discount ²	Deposit on P.O.
1 to 9	-0-%	-0-%
10 to 49	5%	10%
50 to 99	10%	10%
100 to 499	15%	10%
500 to 999	20%	10%
1000 to 1499	30%	10%
1500 to 1999	40%	10%
2000 or more	50%	10%

Site Licenses (Single Site)³

Users	WIZ/ZIP/ZIPX	ZIP/ZIPX Only	ZIPX Only
First 100	\$2,000	\$1,800	\$1,600
101 to 200	Add \$1,500	Add \$1,350	Add \$1,200
201 to 400	Add \$3,000	Add \$2,700	Add \$2,400
401 to 600	Add \$2,500	Add \$2,250	Add \$2,000
601 to 800	Add \$2,000	Add \$1,800	Add \$1,600
801 to 1000	Add \$1,500	Add \$1,350	Add \$1,200

For each 200 copy increase beyond 1000 copies, add \$1,500 (for WIZ/ZIP/ZIPX), add \$1,350 (for ZIP/ZIPX Only), or add \$1,200 (for ZIPX Only)

¹ Fees, charges and discounts are effective June 1, 1992, but are subject to change without notice. Disk prices include an actual media charge, plus shipping and handling fees.

² Applied to registration fees only.

³ Includes a single master disk copy, containing applications and documentation, and free upgrades for first year. Additional charges may apply to multiple site licenses agreements.

APPENDIX 2. LICENSE AND AGREEMENTS

The following constitutes legal agreements between you (either an individual or an entity), the end user, and FlashPoint Development. If you do not agree to the terms of this Agreement, promptly destroy or return to FlashPoint Development all copies of the software, any disks or media, and any accompanying items (including written materials or binders, other containers or media).

FLASHPOINT DEVELOPMENT LICENSE AGREEMENT (Evaluation License)

1. **GRANT OF LICENSE.** FlashPoint Development grants you the non-transferable right to make a copy of the accompanying program (the "software"), together with any accompanying documentation ("documentation"), herein referred to as the "software application product," solely for use at one location, for evaluation purposes only; the period of evaluation shall not exceed thirty (30) days from the date of its original installation and use. The software and documentation shall not be copied or used for any other purpose. Furthermore, you agree to destroy or erase all unregistered copies of the software and documentation upon the expiration of the thirty (30) day evaluation period or upon request of FlashPoint Development, whichever occurs first. You may not reverse engineer, decompile or disassemble the software.

2. **USE AND TRANSFER.** You may not rent, lease, sell, sublicense, outsource, assign or otherwise transfer this software or documentation. Notwithstanding the foregoing, you may distribute complete unregistered evaluation copies of the original software and documentation to third-parties, for the sole purpose of evaluation by them, provided such parties shall agree to be bound by the terms of this Agreement. You may not charge more than a minimal fee, not to exceed \$10.00, to cover the costs of media, distribution and handling of evaluation copies of the software and documentation, nor may you distribute same without clearly informing such third-parties that the software and documentation are provided for the limited purpose of evaluation in accordance with the terms of this Agreement. Under no circumstances will you use or distribute a portion of the software nor will you use all or part of same in the distribution of other software, without providing a full and complete copy of the original software and documentation package. In the event you elect to use or distribute the software application product, pursuant to or in violation of the terms of this Agreement, you agree to compensate, indemnify, hold harmless and defend FlashPoint Development for, from and against any claims or lawsuits, including attorneys' fees, that arise or result from the use and distribution of the software application product.

3. **COPYRIGHT.** The software and documentation are owned by FlashPoint Development or its copyright holders or suppliers, and is protected by United States copyright laws and international treaty provisions. Therefore, you must treat the software and documentation like any other copyrighted material, e.g., a book or musical recording, except that you may copy the software and documentation as provided in this Agreement.

4. **DISCLAIMER OF WARRANTY.** THIS SOFTWARE AND DOCUMENTATION ARE PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND. FLASHPOINT DEVELOPMENT FURTHER DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR AGAINST INFRINGEMENT. THE ENTIRE RISK ARISING OUT OF USE, DISTRIBUTION OR PERFORMANCE OF THE SOFTWARE AND DOCUMENTATION REMAINS WITH YOU. IN NO EVENT SHALL FLASHPOINT DEVELOPMENT OR ITS SUPPLIERS BE LIABLE FOR ANY DAMAGES WHATSOEVER (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION OR OTHER PECUNIARY LOSS) ARISING OUT OF THE USE OF OR INABILITY TO USE THE SOFTWARE OR DOCUMENTATION, EVEN IF FLASHPOINT DEVELOPMENT HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. BECAUSE SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

5. **U.S. GOVERNMENT RESTRICTED AND LIMITED RIGHTS.** The software and documentation are provided with RESTRICTED AND LIMITED RIGHTS. Use, duplication, or disclosure by the Government is subject to restrictions and limitations as set forth in subparagraph (c)(1)(ii) of The Rights in Technical Data and Computer Software clause at DFARS 252.227-7013 of subparagraphs (c)(i) and (2) of Commercial Computer Software -- Restricted Rights at 48 CFR 52.227-19, as applicable, and under other applicable law. Manufacturer is FlashPoint Development, P. O. Box 270492, Houston, Texas 77277.

6. **GOVERNING LAW.** This Agreement is governed by the laws of the State of Texas.

Should you have any questions concerning this Agreement, or if you desire to contact FlashPoint Development for any reason, please write to FlashPoint Development, P. O. Box 270492, Houston, Texas 77277.

FlashPoint ZIP Tools for Windows
WIZiper, FPZIP AND FPZIPX, Release 3.10.01.10, June, 1992

APPENDIX 3. ORDER FORMS

ORDER FORM for FlashPoint ZIP TOOLS for Windows (Version 3.10.01.10, Release -- June, 1992)

Mail Credit Card Orders to:

PsL
P. O. Box 35705
Houston, Texas 77235-5705

Mail Non-Credit Card Orders to:

FlashPoint Development
Attn: Richard S. Patterson
P. O. Box 270492
Houston, Texas 77277

Checks, Money Orders and drafts must be made payable to "Richard S. Patterson"

Registration/License Fee (Per User/Copy):

_____ users/copies at \$49.50 (WIZ/ZIP/ZIPX)	\$ _____	
_____ users/copies at \$39.50 (ZIP/ZIPX only)	_____	
_____ users/copies at \$29.50 (ZIPX Only)	_____	
Less: Quantity Discount of _____ %	(_____)	
Less: Special Discount of _____ %	(_____)	
Total Registration/License Fees		\$ _____

Site License Fees (see documentation for price list):

Quantity: _____ users/copies at	\$ _____	
Less: Special Discount of _____ %	(_____)	
Total Site License Fees		_____

Media Charges for Additional Disk Sets Ordered:

_____ 5.25" disk at \$ 9.00 each	\$ _____	
_____ 3.50" disk at \$10.00 each	_____	
Total Media Charges		_____

Special Handling Charges:

International Orders: Per Disk Shipping & Handling Charges, _____ disks at \$7.00 \$ _____

Non-U.S. Bank Draft, Check & Money Order Fees:

Canada	\$15.00	_____
International	\$25.00	_____
Total Special Handling Charges		_____

TOTAL PAYMENT DUE (U.S. FUNDS): \$ _____

Registered Users' Names and Addresses (attach additional sheets if necessary):

Purchaser's Name and Shipping Address (Physical and Mailing):

Purchaser's Authorized Representative/Contact Person and Title:

Telephone Number(s) (specify day and evening):

Current Version of Application Registering:

Payment Method: Cash [] Money Order [] Check []
Credit Card [] Purchase Order [] P.O.No. _____

Where or How did you learn of this product:

Purchaser acknowledges that purchaser or purchaser's representative has read the terms and conditions contained in the application's distribution/evaluation package as well as the applications "About" dialog panel, and agrees to be bound thereby and by any other license agreements contained with any product registered, purchased or shipped. Furthermore, as indicated in the application's distribution/evaluation package, purchaser understands the software and documentation are provided "as is" and without warranty of any kind, either express or implied. Purchaser warrants and represents that the software and documentation will only be used in accordance with the aforementioned license agreements.

Printed Name: _____

Signature: _____ Date: _____

Credit Card Orders: Credit Card: Mastercard _____ Visa _____
Card Number: _____ Expiration Date: _____

Card Holder Signature: _____

APPENDIX . SITE LICENSE AGREEMENT

For all site license orders, purchaser must include, in addition to the "Order Form for FlashPoint ZIP Tools for Windows," two (2) complete, and fully executed copies of the "Site License Agreement" on the following page.

Upon acceptance of the "Site License Agreement," by FlashPoint Development, a fully executed copy shall be returned to purchaser, together with all software materials and applicable "FlashPoint License Agreements."

Site License Agreement

FlashPoint Development ("Licensor") for good and valuable consideration, hereby grants to the following company or organization ("Licensee"), whose name, physical and mailing address are:

a site license for the use of _____ copies of the following software packages:

- FlashPoint WIZiper, ZIP and ZIPX
- FlashPoint ZIP and ZIPX Only
- FlashPoint ZIPX Only
- FlashPoint WinNAV -- Windows Navigator

subject to the terms and conditions of all applicable FlashPoint License Agreements and amendments thereof, which are delivered with or contained in the software product and incorporated herein by reference.

This is a perpetual license, for the sole use by Licensee, of the above designated FlashPoint software packages; such software is limited to use by the company and its employees at their regular place of business or in the course and scope of their employment,. This license is not transferable, and is limited to internal use and copying of the software by not more than the number of contracted copies, i.e., the maximum users or machines as above indicated. Distribution, repackaging, outsourcing, reverse engineering, decompiling, sublicensing, assignment, leasing or reselling of the software shall not be permitted under this agreement.

Licensor warrants that it is the sole owner of the software, and has full and exclusive power and authority to grant this license.

Licensee hereby acknowledges and agrees that the software and documentation are provided "AS IS," without warranty of any kind. FlashPoint Development further disclaims all warranties, whether express or implied, including without limitation, any implied warranties of merchantability, fitness for a particular purpose or against infringement. The entire risk arising out of use, distribution or performance of the software and documentation remains with Licensee. In no event shall FlashPoint Development or its suppliers be liable for any damages whatsoever (including, without limitation, damages for loss of business profits, business interruption, loss of business information, loss of data or other pecuniary loss) arising out of the use of or inability to use the software or documentation, even if FlashPoint Development has been advised of the possibility of such damages. Because some states may not allow the exclusion or limitation of liability for consequential or incidental damages, the above limitation may or may not be applicable. In no event, however, shall Licensor's aggregate liability for damages ever exceed the actual price paid for the license to use the above designated software package, regardless of the form of any claim.

This agreement shall be construed and enforced in accordance with the laws of the State of Texas, and in any action arising under the terms or conditions of this license agreement, jurisdiction and venue shall be proper as to all parties, in any State or Federal court located in Harris County, Texas.

LICENSOR:
FlashPoint Development
P. O. Box 270492
Houston, Texas 77277
(713) 726-1892

LICENSEE:

By: _____

Dated: _____, 199__

By:

Dated: _____, 199__