

## **Zip Manager Help Index**

This file contains the complete documentation for Zip Manager. Please read it carefully to be sure that you correctly install Zip Manager. Use the scroll bars, PgDn, PgUp, or the arrow keys to display help topics not currently visible.

If you are not familiar with the Windows help system, press F1 or choose Using Help from the Help menu.

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## **Introduction**

Zip Manager is a Microsoft Windows 3.0 program that allows you to work with files in the Zip format created by PKWARE'S PKZIP and PKUNZIP file compression utilities.

To use Zip Manager you must have PKZIP.EXE and PKUNZIP.EXE. Be sure to use version 1.10 or later of PKZIP and PKUNZIP. Please refer to the installation instructions on how to obtain these programs.

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## Installation And Setup

To install Zip Manager copy the following files to your Windows directory. All of these files **MUST** be present in order for Zip Manager to function properly.

- 1.) ZM.EXE (The Windows Executable)
- 2.) ZM1.EXE (The Zip File Interpreter for ZM.EXE)
- 3.) PKZIP.PIF (Windows PIF For PKZIP)
- 4.) PKUNZIP.PIF (Windows PIF For PKUNZIP)
- 5.) ZM.HLP (This File)

**MAKE SURE** that both your Windows directory and the directory where PKUNZIP and PKZIP reside are in the path statement of your autoexec.bat file, as in the example below:

```
path=c:\;c:\bin\;c:\utility\;c:\dos\;c:\windows;
```

Although the drive letters and directory names may differ. As long as Windows and the directory containing PKZIP and PKUNZIP are in your path, Zip Manager will function correctly.

### The PIF Files:

**DO NOT MODIFY the PIF files PKZIP.PIF, PKUNZIP.PIF, and ZM1.PIF.** Zip Manager's code will determine what mode windows is currently using and pass the correct parameters to the appropriate PIF file. **UNDER NO CIRCUMSTANCES should you specify a startup directory in any of these PIF files.** Zip Manager will find and execute the needed programs since it has access to the path.

You must have PKZIP and PKUNZIP Version 1.10 or later. These files are in PKZ110.EXE available in the MSWIN forum on Compuserve and on most BBS systems across the country. You should register to get the most current version from:

PKWARE Inc. 7545 North Port Washington Road, Suite 205

Glendale, WI 53217

Voice(414) 352-3670

BBS (414) 352-7176

Complete ordering information is contained in PKZ110.EXE

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-> Zip Manager MUST be copied in an unmodified form and MUST contain the following files:

- ZM.EXE
- ZM1.EXE
- ZM.HLP
- PKZIP.PIF
- PKUNZIP.PIF
- README.1ST
- REGISTER.FRM

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The above constitutes the license agreement for Zip Manager. It supersedes any and all previous license agreements.

## **Add / Create**

When you choose Add / Create from the File Menu, a dialog box is displayed allowing you to select a Zip file, or enter the name of a Zip file you wish to create.

Once you have made your choice and clicked on OK, a second dialog box displays the available files in the current directory. Mark the files you wish to add by clicking on them with your mouse.

When done marking the files click on OK and the Zip file will be created. Add / Create uses the -a PKZIP option.

## **Move**

When you choose Move from the File Menu, a dialog box is displayed allowing you to select a Zip file, or enter the name of a new Zip file.

Once you have made your choice and clicked on OK, a second dialog box displays the available files in the current directory. Mark the files you wish to move into the Zip file by clicking on them with your mouse.

When done marking the files click on OK. First PKZIP will create the Zip if it doesn't exist. Then the selected files will be moved into the Zip. Move uses the -m PKZIP option.

## **Update**

When you choose Update from the File Menu, a dialog box is displayed allowing you to select available Zip files.

Once you have made your choice and clicked on OK, a second dialog box displays the available files in the current directory. Mark the files you wish to have PKZIP update.

When done marking the files click on OK and the files will be updated. Update uses the -u PKZIP option.



## **Freshen**

When you choose Freshen from the File Menu Zip Manager updates files that exist in the ZIP file with same-named files that have more current time and date stamps.

In 386 Enhanced mode the freshen option will not display any results in the window UNLESS AN ERROR OCCURRED. If you run freshen and it appears that nothing happened, rest assured that the operation was successful.

The Freshen option is limited to working with files that exist in the Zip file. Existing files will be overwritten ONLY if the files have been updated since being added to the Zip. It will NOT add new files. Freshen uses the -f PKZIP option.

## Delete

When you choose Delete from the File Menu, a dialog box is displayed allowing you to select available Zip files to delete. Delete improves on the standard PKZIP delete command by allowing you to delete an entire Zip file without exiting Windows.

Once you have made your choice and clicked on OK, a second dialog box will ask if you would like to delete the entire Zip file or selected files contained in the Zip.

If you choose selected files a dialog box listing the files in the Zip is displayed. Mark the files you wish to delete.

When done marking the files click on OK and the files will be deleted from the Zip. Delete uses the -d PKZIP option.

**CAUTION!** Selecting the entire Zip for deletion will **DELETE it completely**. Please be sure you want to delete the entire file.

## **Test**

Select Test from the Utilities Menu. This option tests the Zip file selected to be sure it is valid and has not become corrupt. This option does not extract files from the Zip, it only tests them.

The results of your last Zip test will remain displayed in the window until you select another file operation. If you are testing more than one Zip file and are interrupted you can return to your work and know the last file you tested.

## Encrypt

The Encrypt option is an on - off switch.

When the menu item is checked(on) each time you perform any action involving a Zip file, Zip Manager will prompt you for a password. If you normally encrypt every file this will save you the extra step of setting encrypt each time. If you don't normally encrypt files simply click encrypt again to turn it off.

Use a password that you can remember easily and record it in a safe place. Failure to record your password could result in not being able to extract a file later. The passwords ARE CASE SENSITIVE. Please remember this when recording your password. Encrypt uses the -s PKZIP option.

## **Registration**

Zip Manager is distributed as Shareware. If you use it you are obligated to register it. By registering you will receive the latest version of the program, and won't be bothered by the registration box that appears each time the program is started. Upon registration we will ship you the most current version, or you can download it from our private BBS.

The registration fee is \$20.00 plus \$1.50 shipping and handling. Please use the enclosed registration form. You can register by phone using Master Card Or Visa. Phone orders are taken 9:00am - 4:00pm Monday - Friday MST. Call Moon Valley Software at (602)375-9502

## **Technical Support**

As a registered user of Zip Manager you will receive the number to our private BBS and complete voice tech support. In addition you will receive advance notice of all major upgrades and receive interim updates if necessary at no charge.

## Short Zip File Listing

The Short Listing contains the basic information about each file contained in the Zip. The results of your last file listing request will remain displayed in the window until you select another file operation. Below is an example of the Short Listing Option:

PKUNZIP (R) FAST! Extract Utility Version 1.1 03-15-90 Copr. 1989-1990 PKWARE Inc. All Rights Reserved. PKUNZIP/h for help PKUNZIP Reg. U.S. Pat. and Tm. Off.

Searching ZIP: TEST1.ZIP

| Length | Method  | Size | Ratio | Date     | Time  | Name        |
|--------|---------|------|-------|----------|-------|-------------|
| 1285   | Implode | 656  | 49%   | 07-16-90 | 10:14 | SAMPLE1.EXE |
| 4441   | Implode | 994  | 78%   | 07-13-90 | 11:28 | SAMPLE1.BAK |
| 4460   | Implode | 929  | 80%   | 07-17-90 | 10:16 | SAMPLE2.EXE |
| 9171   | Implode | 625  | 32%   | 07-17-90 | 10:22 | SAMPLE3.EXE |
| 4660   | Implode | 108  | 77%   | 07-17-90 | 09:03 | SAMPLE4.TXT |
| 5170   | Implode | 186  | 64%   | 07-17-90 | 10:22 | SAMPLE5.EXE |
| 1042   | Implode | 378  | 64%   | 07-17-90 | 09:03 | SAMPLE6.EXE |
| 213668 | 73244   | 66%  | 8     |          |       |             |

## **Verbose Zip File Listing**

The Verbose File listing contains more technical information such as CRC checking, File Attributes, etc... Otherwise it is the same as the Short Listing.



## Extract

Select Extract from the Main Menu Bar. You are presented with a dialog box containing the following options.

EXTRACT:

- 1.) All files.
- 2.) Selected Files.
- 3.) To A Sub Dir. **Please Read The Special Notation Listed Below.**

**Option 1** will extract all of the files in the selected Zip.

**Option 2** displays a dialog box listing the files in the Zip. Select the file(s) you wish to extract. When you have finished marking files for extraction click on OK to begin extraction.

**Option 3** will extract the files marked to the drive and directory you specify using the available drives and directories list box.

**Option 3 Important Note: If you wish to extract files to a different sub directory DO NOT enter the directory name in the edit line of the dialog box. Instead select a target drive/directory by clicking on it with your mouse in the drive/directory list box. This offers protection from accidentally entering an incorrect drive, directory, or path name.**

## PKZIP Command Line Reference

The following table lists all the options valid with the PKZIP command.

- a Adds files to ZIP file.
- b [path] Creates a temporary ZIP file at the specified alternate location. This temporary file is used only in the creation of the ZIP file, and will be automatically deleted when the process is complete.
- c -C Adds file comments to individual files within the ZIP file.
- d Deletes the specified files from the ZIP file.
- e [x,s,a,b] Specifies compression method.
- f Freshens files in the ZIP file.
- h Calls up a help screen.
- i Adds to the ZIP file only those files that were changed since the ZIP file was last updated.
- j -J<h,r,s> Specifies masking or unmasking of file attributes.
- k Retains the original date of the ZIP file that is being updated.
- l Displays the license screen.
- m [u,f] Adds files to the ZIP file and automatically deletes the original or source files.
- o Sets time and date of the ZIP file to the time and date of the latest file contained in the ZIP file.
- p -P Stores paths that are recursed along with the filenames in the ZIP file. The -p option should be used with -r option.
- q Enables ANSI comments.
- r Recurses subdirectories from the specified directories.
- s <password> Scrambles files in the ZIP file with password protection.
- u Updates the ZIP file.
- v [b,r,t,c,d,e,n,o,p,s] Views technical information about files in the ZIP file.
- w -W<h,s> Specifies whether hidden or system files will be included in the ZIP file.
- x Is used to exclude files from a ZIP file operation.
- z Creates a ZIP comment for a ZIP file.

**Note: Parameters listed in [ ] are optional. Where parameters are listed in < >, at least one of the listed parameters must be specified.**

## PKUNZIP Command Line Reference

The following table will provide a quick reference guide to all of the options of PKUNZIP. The command syntax is also shown below.

PKUNZIP [options] zipfile [d:path\] [file...] zipfile = ZIP file name. Default extension is .ZIP file = Names of files to compress. Wildcards \*, ? are ok. Default is ALL files. list = An optional list file name.  
Options are:

- c [m] = Extract files to the screen [with more]
- d = Create directories on extraction from ZIP file
- h = Call up help screen
- j -J<h,r,s> = Mask/Unmask file attributes
- l = Display license information
- n = Extract only newer files
- o = Overwrite existing files
- p [a/b][c][n] = Extract files to the printer
- s <password> = Unscrambles files with password protection
- t = Test ZIP file integrity
- q = Enable ANSI comments
- v [b,r,c,d,e,n,p,s] = View file information
- x = Extract files (the default option)

## PKZIP Error Messages

The following error messages may appear when using PKZIP. When the word 'WARNING' appears in the message, program execution will continue, otherwise, the program will abort to DOS.

A brief explanation of each message follows.  
PKZIP: Can't open XXXX.ZIP for write access!

The named ZIP file is read-only or locked by another application and can not be modified.

PKZIP:No file(s) found. No matching files were found to list using the View option.

PKZIP: Insufficient disk space for updated files:XXXX.ZIP.The -b option was used, and there is not enough space on the original drive containing the ZIP file to receive the updated ZIP file. Try to free up some space on the drive containing the ZIP file, and retry the operation. Also, make sure that the drive specified with the -b option is different than the drive containing the ZIP file.

PKZIP: Insufficient disk space for ZIP comment.  
There is insufficient disk space to hold the comment as entered.

PKZIP: Warning! Not enough memory for Shrinking method. The -es or -ea or -eb options were used to specify that certain files should be Shrunk. However, there is not enough memory available to perform Shrinking. Instead, all files will be Imploded.

PKZIP: Warning! Can't delete XXXXX. The -m (Move) option was specified to delete files after the ZIP file was constructed. However, the named file could not be deleted, and is probably read-only.

PKZIP: No files specified for deletion! The -d (Delete) option was specified, but no filenames were given to delete.This option does NOT default to \*.\* if no filenames are given.

PKZIP: Nothing to do! No matching files, or files with the specified attributes, or files after the specified date etc., were found to compress.

PKZIP: Insufficient memory.Insufficient memory is available to process the ZIP file. Try making more memory available to PKZIP. If this does not rectify the problem, then the ZIP file might be corrupted, and PKZIPFIX should be used to fix the ZIP file.

PKZIP: XXXX.ZIP - error in ZIP, use PKZIPFIX. The named ZIP file has a corrupted file index. Use PKZIPFIX to reconstruct the ZIP file.

PKZIP: Can't create: XXXX. The named file could not be created.Either the target directory is full or the file already exists and is read-only or locked by another application.

PKZIP: Disk full, file: XXXX. A disk full error occurred while writing to the specified file. Try freeing up some disk space on the target drive. Also, see the -b option and the PKTMP environment variable.

PKZIP: Can't find: XXXX.ZIP. The named ZIP file could not be found.

PKZIP: Too many files. There are too many files to compress into one ZIP file. The limit is 3900 files per ZIP file.

## PKUNZIP Error Messages

The following error messages may appear when using PKUNZIP. A brief explanation of each message follows.

PKUNZIP: Warning! File XYZZY already exists. Overwrite (y/n)? The file XYZZY already exists on the disk. Pressing N will leave the original file on the disk, and not extract the file from the ZIP file. Pressing Y will extract the file from the ZIP file, and overwrite the file on the disk. Also, see the -o and -n options.

PKUNZIP: Warning! I don't know how to handle: XYZZY. The file XYZZY is compressed or encoded in a way that this version of PKUNZIP is unable to handle. Either a later version of PKUNZIP is required to properly extract this file, or the ZIP file is possibly corrupted.

PKUNZIP: Warning! Inconsistent local header for file: XYZZY.  
The local header for file XYZZY is different than the central header information. Use PKZIPFIX to reconstruct the ZIP file.

PKUNZIP: Warning! File fails CRC check. The CRC-32 check for the file being extracted or tested did not match the stored value for the file. The file is probably corrupted.

PKUNZIP: Warning! XXXX.ZIP has errors. The named ZIP file had one or more errors detected in it.

PKUNZIP: Warning! File has bad table. The file being tested or extracted has an error in its encoding. The file is probably corrupt.

PKUNZIP: Warning! No file(s) found. No files were found to extract, test, or list.

PKUNZIP: Warning! XXX.ZIP - error in ZIP, use PKZIPFIX. The named ZIP file has a corrupted file index. Use PKZIPFIX to reconstruct the ZIP file.

PKUNZIP: Warning! Insufficient memory Insufficient memory is available to process the ZIP file. Try making more memory available to PKUNZIP. If this does not rectify the problem, then the ZIP file might be corrupted, and PKZIPFIX should be used to fix the ZIP file.

PKUNZIP: Warning! Can't create: XXXXX. The named file could not be created. The output directory is either invalid or full.

PKUNZIP: Can't find: XXXX.ZIP. The named ZIP file(s) could not be found.

PKUNZIP: Can't open: XXXX The specified file list could not be opened.

PKUNZIP: Warning! Can't open XXXX.ZIP The named file could not be opened. Either a disk error occurred, or the file is locked by another application.

PKUNZIP: Disk full, file: XXXXX. There is not enough free room on the destination drive/directory for the file being extracted. The program will abort and exit to DOS.

PKUNZIP: Incorrect password for file. The ZIP file is password protected, and cannot be opened unless the correct password is entered. The password entered is not the correct password.

PKUNZIP: Skipping encrypted file. Only the files that are password will be skipped (not extracted) because they are password protected and the correct password was not entered.



## **Using Zip Manager With 80486/386/286/88 CPU'S**

Zip Manager has been carefully tested to operate successfully with all of the above computers. It has been specifically designed to exploit the maximum from each CPU.

### **Automatic CPU/Windows Mode Detection**

Zip Manager automatically detects the present CPU available and/or the current Windows operating mode.

### **386/486 Enhanced Mode**

If a 386/486 CPU is detected Zip Manager will multi-task PKZIP and PKUNZIP as a background task. In fact the only evidence you may have that a program event has occurred is a brief display of the Windows DOS icon flashing briefly at the bottom of the Windows desktop.

### **286/88 Standard And Real Mode Operation**

Under Standard Mode(286 Protected) and Real Mode(8088) Zip Manager is forced to run PKZIP and PKUNZIP as a foreground task. User's of these computers still benefit from all of Zip Managers other features. PKZIP and PKUNZIP are only run momentarily as a foreground task before returning you to Windows.

## Zip Manager PIF Files

The PIF files supplied with Zip Manager have already been configured for proper operation in all three Windows operating modes, and for 386/286/8088 CPU'S as well.

**DO NOT MODIFY the PIF files PKZIP.PIF, PKUNZIP.PIF, and ZM1.PIF.** Zip Manager's code will determine what mode windows is currently using and pass the correct parameters to the appropriate PIF file. **UNDER NO CIRCUMSTANCES should you specify a startup directory in any of these PIF files.** Zip Manager will find and execute the needed programs since it has access to the path. If you feel you must modify them please make a backup copy before doing so.





## **The -a Option**

The -a option adds files to an existing Zip file. If the specified Zip file doesn't exist PKZIP creates it. Using the -a option will place the selected files in the Zip and leave the original files on your drive. This is a very good option to use if you want to perform data file backup to a Zip file.

## **The -m Option**

The -m option moves files to an existing or new Zip file. If the specified Zip file doesn't exist PKZIP creates it. Using the -m option will place the selected files in the Zip. It will NOT LEAVE your original files available. All of the selected files will be moved into the Zip file. This is very useful if you need to free up disk space.

## **The -u Option**

The -u option enables you to select files that are currently residing in a Zip file and specify which of those files you wish to update to the latest version

## The -f Option

The Freshen option is limited to working with files that ALREADY exist in the ZIP file. Existing zipped files will be overwritten ONLY if the files have been updated since being added to the ZIP file. It will NOT add new files.

```
-f STORE.ZIP *.*
```

In the above example, all the existing files in the ZIP file, STORE, will be updated if a newer version of the file exists in the current directory.

## **The -d Option**

This will allow you to delete selected files from a Zip file. Zip Manager also lets you delete the entire Zip file.

## The -s Option

-s<password> Scramble files with password

This option is used to scramble, or encrypt the files in the ZIP file. It includes password protection. When extracting the ZIP file, the files will not be extracted unless the correct password is included on the command line.