

Windows Info-ZIP Unzip Index

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The Index contains a list of all Help topics available for Windows Info-ZIP Unzip. For information on how to use Help, press F1 or choose Using Help from the Help menu.

What Is WizUnzip ?

WizUnzip stands for Windows Info-ZIP Unzip. *WizUnzip* is a Microsoft Windows application which extracts, tests, and displays files archived in ZIP archive format.

WizUnzip is derived from a co-operative effort by a number of developers collectively known as Info-ZIP. (See Who is Info-ZIP ?). Info-ZIP's goal is to provide widely-available, non-commercial archiving tools compatible with Phil Katz's popular DOS application products, *pkzip* and *pkunzip*. Info-ZIP's counterpart products are called *zip* and *unzip* respectively.

The unzip logic of *WizUnzip* is based on Info-ZIP's product *unzip*, which has been ported to a number of platforms. *WizUnzip* is essentially *unzip* with a Microsoft Windows interface and a little extra logic to display files as well as to extract them. *Unzip* is based on earlier works by Samuel Smith and Carl Mascott.

In keeping with Info-ZIP's goals, *WizUnzip* is available on a not-for-profit basis. (See Copyright and Distribution.)

Edit Menu

The Edit menu includes commands that let you globally select or de-select listbox contents or to clear the Messages Window.

For more information, select an Edit menu command name from below.

<u>De-select All Listbox Entries</u>	De-selects and unhighlights all files in the archive.
<u>Select All Listbox Entries</u>	Selects all listbox entries.
<u>Clear Messages Window</u>	Clears the contents of the <u>Messages Window</u> .

De-select All Listbox Entries

This menu item de-selects and unhighlights all files in the listbox.

WizUnzip dims the three buttons Extract, Display, and Test.

You may then select one or more files in the listbox using the pointer or the keyboard.

Selecting one or more files in the listbox causes the buttons to become active again.

Select any of the buttons to operate on the selected files.

Pressing the F3 key is a short-cut to de-selecting all listbox entries.

Select All Listbox Entries

This menu item selects and highlights all files in the listbox.

WizUnzip activates the three Extract, Display, and Test buttons.

Select any of the three buttons to operate on all files in the archive.

Pressing the F2 key is a short-cut to selecting all listbox entries.

Clear Messages Window

This menu item clears the Messages window.

WizUnzip automatically clears your Messages Window if its contents would either exceed the amount of global memory space available in your system or reach 65535 characters.

Pressing the Del key is a short-cut to clearing the Messages window.

File Menu

The File menu includes the following commands:

File Menu Open Command

Opens an archive and lists its directory.

File Menu Unzip To Command

Changes the extraction directory.

File Menu Exit Command

Exits *WizUnzip*.

File Menu Open Command

The File menu's Open command leads to the *Open a ZIP File* dialog box.

Open a ZIP File Dialog Box

This dialog box lets you select the ZIP archive on which you may perform further operations. Select the directory in which the ZIP archive is found.

When you select a directory, *WizUnzip* lists all of the .ZIP files in the *Files* listbox.

The *Filenames:* field starts out as a template of all the ZIP archives in the directory.

Select an archive either by clicking on its filename from the *Files* listbox or by typing its name in the *Filenames* edit box.

Select the *OK* button to put your choice into effect.

Select the *Cancel* button if you wish to return to the current .ZIP file.

When you open a .ZIP file, *WizUnzip* displays the archive contents in the Archive Directory Listbox of its main window. *WizUnzip* does not automatically extract the contents. See Extracting Files from the Archive to find out how this is done.

You may unzip the archive contents either into the directory where the .ZIP file lives or into a separate directory.

See the File Menu Unzip To Command and the Unzip to Same Directory as .ZIP item under the Options Menu for more information.

File Menu "Unzip To" Command

This command lets you change the directory into which *WizUnzip* extracts the current .ZIP archive.

You may extract files into a directory other than the one in which the ZIP archive file resides.

If this command is grayed, you may enable it by toggling the Unzip to Same Directory as .ZIP item under the Options Menu.

If you don't select a destination directory, *WizUnzip* assumes you wish to extract files into the directory of the first archive you open.

The "Unzip To" command produces the Unzip Destination Directory Dialog Box.

Unzip Destination Directory Dialog Box

This dialog box lets you browse and select a destination directory into which you can unzip.

The *Current directory into which WizUnzip extracts:* field shows where *WizUnzip* will extract files.

You may designate some other directory by either:

- 1) Entering a new directory path in the *Directory you prefer:* field, or
- 2) Repeatedly selecting directories from the *Directories* listbox.

A single dot in the *Directory you prefer:* field stands for the current directory.

Select the *OK* button to change to the new directory.

When you have selected '.' as the directory you prefer, *WizUnzip* changes to the directory shown in the *Current directory into which WizUnzip extracts:* field.

The new destination directory is shown on the title bar.

Select the *Cancel* button to return to the directory displayed on entry.

File Menu Exit Command

This command takes you out of *WizUnzip*. To find out other ways to exit *WizUnzip*, see [Exiting WizUnzip](#).

Exiting WizUnzip

You may exit *WizUnzip* by any of the following methods:

- 1) typing Alt-F4,
- 2) selecting the Files menu then the Exit menu item, or
- 3) selecting *WizUnzip*'s system menu then the Close menu item.

You may safely exit *WizUnzip* at any time without fear of losing data.

Options Menu

The Options menu lets you specify how *WizUnzip* handles directories, whether or not *WizUnzip* should overwrite existing files during extraction, what *WizUnzip* does when you select one or more files in the listbox, and to where *WizUnzip* extracts files from the archive.

For more information, select any of the following four items:

<u>Recreate Directory Structure</u>	lets you extract subdirectories or not.
<u>Overwrite Existing Files</u>	controls overwriting existing files.
<u>Translate CR-LF to LF</u>	optionally translates CR/LF character pair to LF character.
<u>Unzip to Same Directory as .ZIP</u>	controls whether you unzip in .ZIP or other directory.

These items let you define the action taken when you double-click on a file named in the listbox.

<u>Listbox Selection Extracts File</u>	Double click extracts.
<u>Listbox Selection Tests File</u>	Double click tests.
<u>Listbox Selection Displays File</u>	Double click displays.

WizUnzip saves your option selection permanently until you replace it with another.

Recreate Directory Structure

During file extraction this option specifies whether or not *WizUnzip* re-creates subdirectories saved within the archive.

When this option is active, a checkmark appears beside its menu item.

When this option is active, *WizUnzip* extracts, preserving the directory structure present in the archive.

When this option is not active, *WizUnzip* extracts the files from subdirectories listed in the archive into the parent directory.

WizUnzip saves the setting of this option in your WIN.INI file until you change it again through the menu.

Overwrite Existing Files Option

When you choose this option, *WizUnzip* automatically overwrites each existing file that it finds during extraction.

WizUnzip places a check mark beside the menu item to show that the option is in force.

WizUnzip saves the setting of this option in your WIN.INI file until you change it again through the menus.

Overwrite Existing Files Dialog Box

When you don't choose the Overwrite Existing Files option, *WizUnzip* prompts you with a dialog box for each existing file that it would replace during extraction. The dialog box prompt gives you three alternatives.

You may:

- 1) skip the file without extracting it (the default),
- 2) overwrite the file,
- 3) overwrite the current file and all others in the same operation.

The Overwrite Existing Files Dialog Box has no effect on the more permanent Overwrite Existing Files Option.

Translate CR-LF to LF

Choose this option only if you are extracting text files and wish to translate them into the format used by a UNIX or similar computer. In the UNIX text file format, lines of text are separated by only a *linefeed* character. Lines of text within DOS files are typically separated by the two *carriage return, linefeed* characters.

Do not choose this option if you are extracting a binary file. Since *WizUnzip* can't tell the difference between text and binary files, you have to decide when to use it. In general, don't choose this option unless you're sure you need it.

WizUnzip places a check mark beside the menu item to show that the option is in force. The setting you choose stays in effect until you toggle it.

Unzip to Same Directory as .ZIP

Choose this option only if you want *WizUnzip* to always extract the contents of the .ZIP file in the same directory in which the ZIP archive is located. This option saves having to set the extraction directory separately.

When *WizUnzip* is set to unzip in the same directory as the .ZIP file, *WizUnzip* disables and grays the File Menu Unzip To Command .

When you do not select this option, *WizUnzip* enables the File Menu Unzip To Command, and you may select the destination directory.

WizUnzip places a check mark beside the menu item to show that the option is in force. The setting you choose stays in effect until you toggle it.

WizUnzip's title bar always shows the name of the directory into which it extracts regardless of the option's setting.

Listbox Selection Extracts File

When this option is active, double-clicking on a listbox entry extracts the selected file(s) from the archive and logs the outcome in the Messages Window.

Listbox Selection Displays File

When this option is active, double-clicking on a listbox entry displays the file(s) in the Messages Window.

Listbox Selection Tests File

When this option is active, double-clicking on a listbox entry tests the file(s) within the archive and displays the results in the Messages Window.

View Menu

The View menu directs *WizUnzip* to display the archive contents in either Long Format or Short Format.

WizUnzip places a check mark beside the menu item which is currently selected.

Long Format

In long format *WizUnzip*'s Archive Directory Listbox shows:

- the file length in Kbytes before archiving,
- the ZIP method of archiving: e.g. imploding, storing, shrinking, reducing.
- the file size in Kbytes as it is stored within the archive,
- the compression ratio,
- the file modification date,
- the file modification time,
- the 32-bit cyclic redundancy check value, used for integrity checking,
- the file name.

Short Format

In short format *WizUnzip's* Archive Directory Listbox shows:

- the file length in Kbytes before archiving,
- the file modification date,
- the file modification time,
- the file name.

Glossary

DOS

FTP

Internet

UNIX

ZIP archive

DOS

The DOS operating system popular on IBM-compatible personal computers. It's probably running on your PC right now. DOS usually is short for MS-DOS, a trademark of Microsoft.

FTP

File Transfer Protocol. A software application or a protocol for transferring files through the Internet.

Internet

A data network connecting many universities, corporations, and government institutions.

UNIX

The UNIX operating system is popular on multi-user open computer systems.

ZIP archive

A ZIP archive is a collection of files stored within a single file in the format implemented by Phil Katz's products *pkzip* and *pkunzip* as well as Info-ZIP's products *zip* and *unzip*. ZIP archive files typically have the suffix *.ZIP*.

Browsing Text in the Archive

To browse one or more files within the archive, first select the files using the listbox then select the Display Button either by clicking on it or by typing Cntl-D. The given file will be copied into the Messages Window where it can be scrolled using the horizontal and vertical scroll bars.

Alternately, you may use the Options menu to let you automatically display a file whenever you select its name in the listbox. To do so, select the Options menu then select the item Listbox Selection Displays File... Whenever you double-click on a filename in the listbox, *WizUnzip* displays a copy in the Messages window. *WizUnzip* saves this setting in your WIN.INI file until you change it.

WizUnzip cannot distinguish between text and data files, so it is possible to copy a data file into the Messages Window. *WizUnzip* assumes that the files it copies to the Messages Window are in the PC manufacturer's OEM codeset, which *WizUnzip* translates to the ANSI character set.

Extracting Files from the Archive

First select the files you wish to extract, using the Archive Directory Listbox . Next select the Extract Button by clicking on it or by typing Cntl-X. *WizUnzip* extracts the files, placing them in the current directory. The Messages Window lists the names of the files as they are extracted.

Alternately, you may use the Options menu to let you automatically extract a file whenever you double-click on its name in the listbox. To do so, select the Options menu then select the item Listbox SelectionExtracts File. Now when you double-click on a filename in the listbox, *WizUnzip* will extract it. *WizUnzip* saves this setting in your WIN.INI file until you change it.

Testing Files in the Archive

First select the files you wish to test, using the Archive Directory Listbox. Next select the Test button by clicking on it or by typing Cntl-T. *WizUnzip* tests the files, listing the file names and results as they are tested.

Alternately, you may use the Options menu to let you automatically test a file whenever you double-click on its name in the listbox. To do so, select the Options menu then select the item Listbox Selection Tests File. Afterwards when you double-click on a filename in the Archive Directory Listbox, *WizUnzip* will test it. *WizUnzip* saves this setting in your WIN.INI file until you change it.

Opening an Archive File

Before *WizUnzip* can operate on an archive file, you must open an archive file. *WizUnzip* only operates on archive files in .ZIP format. .ZIP files are created either by Phil Katz's *PKZIP* program or by Info-ZIP's *ZIP* program. ZIP files are identified by their .ZIP suffix.

You may open a .ZIP file either by passing its name to *WizUnzip* when you start *WizUnzip* or by using *WizUnzip*'s File Menu Open Command. You may find it useful to let Windows' File Manager associate the .ZIP suffix with *WizUnzip* for easy browsing and extraction of .ZIP files.

When the archive file has been successfully opened, its name appears in *WizUnzip*'s title bar. From that point forward, *WizUnzip*'s listbox and button operations apply to the open file. *WizUnzip* can open only one .ZIP file at a time. It is not necessary to close or save the file before exiting *WizUnzip*.

Showing the Archive Comment

Some .ZIP archive files contain a readable comment. If you have opened an archive which has a comment, the Show Comment button will be active. If the archive has no comment, then the Show Comment button will be grayed. You may display the comment by selecting the Show Comment button with the mouse or by typing Control-S.

The comment will be copied to the Messages window where it may be scrolled using the scroll bars or the standard Windows navigation keys.

Archive Directory Listbox

When you open a .ZIP archive, *WizUnzip* displays the archive's directory in the Archive Directory Listbox at the top of *WizUnzip*'s main window. The contents may be displayed in either Long Format or Short Format using the View Menu. The format of the listbox entries will be familiar to users of Phil Katz's *PKUNZIP* program or Info-ZIP's *UNZIP* program.

The Archive Directory Listbox is an extended, multiple-selection listbox. This means you may select multiple files by clicking the mouse on a given item and dragging the mouse downward through the listbox to select a number of items. You may also press the Control key and click on listbox individual items to make a cumulative list. To select or de-select all files in the listbox at once, use the Edit Menu.

After selecting the files on which you wish to operate, complete the operation by selecting either the Extract Button, the Display Button, or the Test Button.

You may extract, display, or test files directly from the listbox by double-clicking on the filenames. To define which action *WizUnzip* takes when you double-click on a filename, use the Options Menu.

The background color of the Archive Directory Listbox heading and total area is the system grayed text color.

Push-buttons

The center of *WizUnzip*'s main window contains four push buttons which let you access the contents of the .ZIP archive opened earlier.

Display Button

When active, the Display button copies the selected files shown in the listbox into the Messages Window.

Extract Button

When active, the Extract button de-archives the selected files shown in the listbox into the current directory.

Test Button

When active, the Test button checks the integrity of the selected files shown in the listbox and displays the outcome of the check in the Messages Window.

Show Comment Button

When active, the Show Comment button copies the contents of the archive comment into the Messages Window where you may browse it.

Messages Window

At the bottom of *WizUnzip*'s main window is the Messages window, in which *WizUnzip* displays three types of information from the archive:

- 1) a record of file extraction and file testing (see [Extracting Files from the Archive](#)),
- 2) text files to browse (see [Browsing Text in the Archive](#)),
- 3) comments (see [Showing the Archive Comment](#)).

The Messages window may be scrolled horizontally or vertically using either the mouse or standard Windows navigation keys.

You can maximize the Messages window within *WizUnzip*'s main window by clicking on the Messages window's maximize box or by selecting the Maximize entry from the Messages window's system menu. When maximized, the Messages window covers the listbox and pushbuttons.

You can restore the maximized Messages window by clicking on the Messages window's maximize box again or by selecting the Minimize entry from the Messages window's system menu.

You can clear the Messages window using the [Clear Messages Window](#) menu item from the [Edit Menu](#) or by typing the Del key. The Messages window automatically clears itself to make room for more information when either of the following happens:

- 1) the number of characters in the buffer reaches 65535, or
- 2) your system does not have enough global buffer space to contain more data.

Title Bar

The title bar shows which archive file is currently open and into which directory *WizUnzip* extracts.

If no ZIP archive is open, the title bar contains the message *(No ZIP File)* in the file name field.

Icon

The *WizUnzip* icon's title includes the name of the current archive file name. If no ZIP archive is open, the title bar contains the message (*No ZIP File*) in the file name field.

The *WizUnzip* icon starts out as a fully zipped zipper.

After extracting the first file, the *WizUnzip* icon changes into an unzipped zipper.

That's as close as *WizUnzip* comes to snappy graphics and animation.

The icon artwork is by [Becky Cobb](#).

Becky Cobb

"No one can do
What Becky can do
In just thirty-two
By thirty-two."

Error Messages in the Messages Window

This section describes some of the error messages which can appear in the Messages Window.

filename: **encrypted (can't do yet)--skipping.**

This message indicates an encrypted file was found in the archive. Since decryption is not supported in the current version of *WizUnzip*, the file is skipped.

End-of-central-directory signature not found. Either this file is not a zipfile, or it constitutes one disk of a multi-part archive. In the latter case the central directory and zipfile comment will be found on the last disk(s) of this archive.

This error means that the opened file is either not in ZIP archive format or is a corrupted ZIP file. Check the suffix of the file. This error might occur if you transferred the archive across a network as an ASCII file rather than as a binary file. At any rate, *WizUnzip* can't decipher it.

error: can't open zipfile [*filename*]

This message appears if the archive file has been moved or deleted after having been opened in *WizUnzip*.

error: expected central file header signature not found (file #n).

This error means that the opened file is either not in ZIP archive format or is a corrupted ZIP file. Check the suffix of the file. This error might occur if you transferred the archive across a network as an ASCII file rather than as binary file. At any rate, *WizUnzip* can't decipher it.

Expanding: *filename status*

Exploding: *filename status*

Extracting: *filename status*

Testing:*filename status*

UnShrinking:*filename status*

These messages occur during extraction or testing. During extraction they indicate which compression technique was employed to archive the file named *filename*. The status value can be either

OK, which means success,

or

Bad CRC xxxxxxxx (*should be xxxxxxxx*), which means the file is corrupted in the archive,

where xxxxxxxx is a hexadecimal number.

Fatal write error

This message might appear if the disk had filled up while extracting a file.

filename **unknown compression method**

This indicates that *WizUnzip* cannot extract the given file. The cause is possibly due to a corrupted archive or the file was stored using a technique designed after this version of *WizUnzip*.

warning: didn't find end-of-central-dir signature at end of central dir.

This error indicates that the opened file is either not in ZIP archive format or is a corrupted ZIP file. Check the suffix of the file. This error might occur if you transferred the archive

across a network as an ASCII file rather than as a binary file.

warning: filename too long--truncating

This error might appear when extracting a file generated on a system other than DOS. The name exceeds DOS's 8.3 format.

Error Messages in Dialog Boxes

This section describes error messages which may appear in a Windows message box.

Cannot open *filename*

Appears in the *Open a ZIP File* dialog box if you specify a file that doesn't exist.

Can also appear if you specify a file which does not exist when starting up *WizUnzip* with a filename argument.

Clearing Messages window to make room for more information.

Appears if the Messages window buffer becomes full or otherwise cannot grow.

Who is Info-ZIP ?

This is an incomplete list of some of the people who helped in the testing and/or porting of Info-ZIP's unzip to various machines:

386i: Richard Stephen, stephen@corp.telecom.co.nz
3Bx: Bob Kemp, hrrca!bobc@cbnewse.att.com
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next: Mark Adler, madler@piglet.caltech.edu
p_iris: Valter V. Cavecchia
pyramid: James Dugal, jpd@usl.edu
rtaix: Erik-Jan Vens
sco: Onno van der Linden (SCO Unix 3.2.0)
Bill Davidsen, davidsen@crdos1.crd.ge.com (Xenix/386)
sco_dos: Bill Davidsen
sco_x286: Ricky Mobley, ddi1!lrark!rick@uunet.UU.NET
sequent: Phil Howard, phil@ux1.cso.uiuc.edu
sgi: Greg Roelofs
sun: Onno van der Linden (Sun 4)
tahoe: Mark Edwards, mce%sdcc10@ucsd.edu
ultrix_vax: Greg Flint, afc@klaatu.cc.purdue.edu
Alex A Sergejew <aas@cc.uq.edu.au>
ultrix_risc: Michael Graff, explorer@iastate.edu
vax: Forrest Gehrke, feg@dodger.att.com (SysV)
David Kirschbaum, kirsch@usasoc.soc.mil (BSD 4.3)
Jim Steiner, steiner@pica.army.mil (8600+Ultrix)

wombat: Joe Isuzu, joe@trustme.isuzu.com

Copyright and Distribution

Where to Find Info-ZIP Archives

If you have Internet access, you can find Info-ZIP products on the system *valeria*. *Valeria*'s full Internet name is *valeria.cs.ucla.edu* (131.179.64.36).
FTP as user "anonymous" with any password.
The archive directory is *info-zip*.
WizUnzip version 1.1 is archived as the file *wzun11.zip* under *info-zip/Windows*.

Sam Smith's Copyright

Unzip version 4.11 is descended from Samuel H. Smith's original *unzip* code of 1989. Portions of that original source code contained this notice:

- * *Copyright 1989 Samuel H. Smith; All rights reserved*
- *
- * *Do not distribute modified versions without my permission.*
- * *Do not remove or alter this notice or any other copyright notice.*
- * *If you use this in your own program you must distribute source code.*
- * *Do not use any of this in a commercial product.*

Due to numerous revisions and enhancements by Info-ZIP and many unrecognized contributors, *unzip 4.11* bears little resemblance to Samuel Smith's original code. Though Samuel Smith has declined to respond to inquiries, many members of Info-ZIP feel that *unzip 4.11* satisfies the intent of Samuel Smith's restrictions. *Unzip 4.11* is freely available in source and in binary form on a non-profit basis.

Source code for *Unzip* version 4.11, on which *WizUnzip* is based, is available on *valeria* as the archive *unzip411.zip*.

I Place My Portion in the Public Domain

The Info-ZIP developers have chosen not to copyright *unzip*.
I, Robert A. Heath, am the author of the Microsoft Windows interface version of *UNZIP*, which I call *WizUnzip*.
I place the portion which I wrote in the public domain.
I give you my permission to distribute my portion without condition.
You may make derivative works from the source when available.

The Microsoft `C' source code for *WizUnzip* 1.1 resides on the Internet system *valeria*. It's under *info-zip/Windows*.
The source code archive is named *wzun11sr.zip*.

Beginning Windows programmers may wish to snarf the code that makes up the Messages window. Heck, I wish I'd had some of that code before now.

How to Get Info-ZIP Archives

On the Internet, archives for INFO-ZIP are on valeria.cs.ucla.edu (131.179.64.36).
FTP as user "anonymous" with any password; then "cd info-zip".
Past issues of the digest are in the "info-zip/MAIL" directory.

ZIP 1.0 (first public release!) is available via anonymous FTP from
valeria.cs.ucla.edu, in the directory "pub", as "zip10ex.zip" or
"zip10ex.tar.Z".

If you don't have anonymous FTP capability, you can mail one of the following commands to listserv@vm1.nodak.edu or listserv@vm.ecs.rpi.edu in order to get a copy via e-mail:

```
    /pdget mail pd:<misc.unix>zip10ex.zip uuencode  
or   /pdget mail pd:<misc.unix>zip10ex.tar-z uuencode
```

Warranty or Lack Thereof

I make no promises express or implied on the suitability of this software product for any particular purpose. All responsibility for use of *WizUnzip* lies with the user.

History

<u>Date</u>	<u>Version</u>	<u>Description</u>
Jan. 27, 1992	1.0	Original Release.
Apr. 26, 1992	1.1	Fixes problem in LF to CR,LF mapping. Renamed "Translate LF to CR,LF" option to "Translate CR,LF to LF". Release of source.

Help Overview

WizUnzip offers three varieties of help:

[WizUnzip Help](#)

[Using Windows Help](#)

[About](#)

Help specific to *WizUnzip*

How to Use Windows Help in General

Version and Author

WizUnzip Help

WizUnzip has standard Windows help accessed by typing the F1 key. This method takes you to *WizUnzip*'s top help index. You may use the mouse or keyboard to select lower-level topics or to simply browse.

WizUnzip also has context help by which you can hit Shift-F1, producing the question-mark/arrow cursor. You may then select any of *WizUnzip*'s menu items using the mouse or the keyboard. Context help takes you directly to the help screen associated with the desired menu item.

Using Windows Help

This menu entry takes you to the standard introduction on using Windows help.

About

The about box gives the latest program version number and information about the author.