

xPackIt

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COLLABORATORS

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Chapter 1

xPackIt

1.1 xPackIt v1.7 documentation

```

xPackIt v1.7
Shell only Data file xpk packer/unpacker.

xPackIt and this documentation are
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Copyright & Disclaimer
-- Please read this first.

Features
-- What exactly does xPackIt do?

Requirements
-- What you need to run xPackIt.

Installation
-- How to install xPackIt.

Usage
-- How do I get it to work?

Setting Defaults
-- I don't like the default settings

Author's Address
-- How do I reach the author.

History
-- What has changed.
```

1.2 Copyright & Disclaimer

```
-- License --
```

xPackIt is being released under the concept of Freeware. You may use and copy this program, as long as you meet the following:

xPackIt may be freely distributed as long as no charge is made other than to cover time and copying costs. If it is to be distributed via floppy disk, this cost should be no higher than \$3.00 (three) dollars US. If distribution is via CDROM, the total cost should be no more than \$25.00 (twenty-five) dollars US.

You may not copy and/or distribute this program without the accompanying documentation unless you get permission from the author to do so.

Fred Fish and AmiNet already have my permission to include this program on their CDROM collections.

You may not disassemble, decompile, re-source or otherwise reverse engineer the program. If you wish to incorporate parts of this program into other programs, write to the author to ask for permission.

Finally if you wish to include xPackIt on a disk magazine you are REQUIRED to get the author's permission FIRST. Usually this will require you to just send me a copy of the issue which contains xPackIt free of charge.

I reserve the right to publically poke fun at anyone who fails to abide by these distribution rules, along with more severe action if appropriate.

AmigaFormat magazine is forbidden to include xPackIt on its cover disks.

-- Disclaimer --

This product is sold "as is" without representation or warranty of any kind, either expressed or implied. The user assumes all risks and responsibilities related to its use.

1.3 Features

xPackIt is a cli program to pack and unpack files using xpk libraries.

Features:

- o One program for packing and unpacking.
 - o Will not pack executables unless told to do so.
 - o Will automatically determine if a file is packed or not and then either unpack it or pack it respectively
 - o Allows use of wildcards to pack/unpack whole directories.
 - o Files can be encrypted, and passwords can be entered on the command line.
 - o Default options can be stored in an environment variable
 - o When packing/unpacking a directory which recursion on, xPackIt will maintain the directory structure in the destination directory
 - o xPackIt can pack/unpack files which are larger than your available memory.
 - o File comments and protections will not be lost when a file is processed by xPackIt.
 - o Files will can just be copied if they cannot be packed/unpacked
-

1.4 Requirements

xPackIt does not require much, you just need to have the following:

- 1) Workbench 2.0+
- 2) xpk libraries

optional

- 3) ReqTools library (© Nico Francois) this is not required unless you wish to enter passwords via a requester when decrunching encrypted files

Also xPackIt must be run from shell, if you run it from WB it will just exit.

1.5 Installation

Manual installation:

- 1) Make sure you have a xpk libraries in libs:.
- 2) Copy the appropriate xPackIt type in any directory you want, I recommend C:

1.6 Usage

```
xPackIt v1.7 xpk Packer/UnPacker  
Copyright © 1994-95 by Michael Barsoom M.D. (Freeware)
```

```
Usage: xPackIt <  
    source  
    > [<  
    destination  
    >] [Lib=Method] [PassWord]  
[Efficiency 0-100] [Chunk=ChunkSize] [All] [Executable]  
[Pack] [UnPack] [Copy]  
  
Method  
    : Method to use for packing.  
  
PassWord  
    : Password to use for encrypting/decrypting.  
  
Efficiency  
    : Efficiency to use while packing (1-100)  
  
ChunkSize  
    : Chunk size to use when packing  
  
All  
    : Enter directories recursively (only with wildcards)  
  
Executable  
    : Pack executables also.
```

Pack
: Only pack files.

UnPack
: Only UnPack files.

Copy
: Copy files, if they cannot be packed/unpacked

Hit ^C to quit, ^D to abort packing/unpacking.
If no destination is given source will be overwritten

1.7 Options

Source

Files, directory, or pattern of files to pack/unpack.
To pack/unpack all files in a directory use xPackIt #?

If you need to use the wildcard ? use (?) instead, this is required because ? is used for the built in help.

If packing a group of files, you may need to hit ^C twice, once to abort packing/unpacking, and once to quit.

Destination

The destination file or directory. This is optional, if not given the source files will be overwritten, without warning

The destination can either be a file or a dir. If you specify a dir as the destination, the source file will be saved (either packed or unpacked) with the same name in the destination. When using wildcard, if you give a destination it MUST be a directory.

You can use "" to signify the current directory, just like AmigaDos' copy command.

Method

This is where to specify the xpk suplibrary you wish to use.
You can also specify the efficiency with this argument by specifying it after the method name separating the two with a '.'
For example: Method=PWPK.100
The default is 'BLZW'.

Efficiency

This options sets the efficiency with which the file should be packed.
For the xpk libraries that support efficienct the range is 0-100, with 0 being the worst and 100 being the best.
Default is 50.

Password

This options lets you specify the password to encrypt a file with, or the password needed to unpack an encrypted file.
Default NONE.

Executable

Force xPackIt to crunch executable. You will not be able to run the packed file unless you are using xLoadSeg.
Default don't pack executables.

ChunkSize

This option allows you to specify the amount of data that the xpk sub library should try to pack at one time.
Default dependant on current xpk sub library

Pack

This option puts xPackIt into a pack only mode. Files that are already packed will be left alone.
Default off.

UnPack

This option puts xPackIt unto an unpack only mode. Files that have not been packed will be left alone, while files which have been packed will be unpacked.
Default off.

All

This option tells xPackIt to enter directories recursively. If you specify this option, and give a destination directory xPackIt will preserve the directory stucture, creating all needed directories/subdirectories.

Copy

This option make xPackIt copy files, without changing them if they cannot be packed/unpacked. Files will be copied in the following three cases:

- 1) The file cannot be packed
- 2) You specified Pack Only, and the file is already packed
- 3) You specified UnPack Only, and the file in not already packed.

1.8 Defaults

Starting with v1.1 you are no longer stuck with the default that I ↔ have chosen. You can now specify your own default by setting the environment variable xPackIt.

The template for ENV:xPackIt is

```
Lib=
Method
/K,PW=
```



```

        PassWord
        /K,E=
        Efficiency
        /K/N,
        All
        /S,Chunk=
        ChunkSize
        /K/N,
Exe=
        Executable
        /S,
        Pack
        /S,
        UnPack
        /S,
        Copy
        /S

```

Just set it as you want the default values to be.

Now you can also use the command line to toggle the values. If you specify an option in the environment variable and again on the command line it will be turned off. In other words if an option is specified on both the command line and the environment variable it will be as if you did not specify the option; but if an option is specified in EITHER the environment variable OR the command line it will be activated.

1.9 Address

you can reach me at:

```

Michael Barsoom
40 Scott Drive
Bloomfield CT 06002
USA

```

```

Internet:  barsoom@netcom.com
           mbars@bluejay.creighton.edu

```

1.10 History

```

-----
Version 1.7                               (07.08.95 02:25:53)
-----

```

- Docs stated that xPackIt was a PowerPacker utility rather than a xpk utility (fixed).
 - Specifying 'xPackIt file copy' on a file that could not be packed was not working (fixed).
 - Uses utility library functions now
-

Version 1.6 (03.08.95 20:07:47)

- Optimized the code a bit more, took out some redundant steps
- Now uses ^D to abort packing/unpacking and ^C to quit.
- Added "Copy" mode which just copies file that cannot be packed/unpacked. Requested by Hans Karl Eide
- Slight change in how the default values are read.

Version 1.5 (23.07.95 22:36:43)

- Removed some unneed code - should improve speed a bit.
- Comments and file protection will no longer be lost when file is crunch/decrunched.

Version 1.4 (04.06.95 02:48:59)

- Now being distributed as freeware. Special thanks to Kurt Hindenburg for being the only person to register.
- Chunk size is now user selectable via command line option ChunkSize.
- xPackIt will now write each chunk out after they are processed rather than all at the end. This will allow you crunch files which are larger than your available memory. Requested by Tim Ruehsen

Version 1.3 (05.05.95 09:19:34)

- Added new address to docs
 - xPackIt FOO:file file, was overwriting the original file rather than saving it in the current directory (fixed)
 - Slight change to progress indicators
 - Uses memory pools and exec lists for better memory management.
 - Some routines rewritten to make faster.
-

Version 1.2 (28.06.94 23:28:11)

- Password can be entered via requester if file is encrypted.

Version 1.1 (27.06.94 14:13:03)

- Complete rewrite

Version 1.0 (18.05.94 21:18:58)

--- Initial release ---

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