Wincode: Multi-Purpose Encoder/Decoder for Windows

© _Snappy_ Software (1993-1996)
written by George H. Silva

This is the FREE reference file for Wincode. It is *NOT* the registered HELP file. It contains no links to Wincode and represents only a fraction of the true HELP file. This file is intended to provide a basic idea of how to use Wincode...

This file contains the following information:

- About Wincode
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- A Simple Menu Hook Example
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- Bonus SUM Utility
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- Copyrights
- Disclaimer

You are referred to the Wincode v2.3 HELP file for further free information unless you wish to purchase the v2.6 (and up) HELP and support.

Updated info can be obtained by sending a blank e-mail to:

wincode@snappy.globalone.net

Clarification Note:

```
WINCODE.HLP ———————➤ SHAREWARE HELP FILE
HELPME.HLP  ———————➤ FREEWARE HELP FILE
```

[GHS 12/31/95]

About Wincode

Wincode is a Windows 3.1x program which converts 8-bit **BINARY** (EXE, COM,GIF, etc) files to 7-bit **ASCII** (Text) files (and vice versa) through a process known as bit-shifting. Wincode currently supports **UU/XX/Base64 (MIME 1.0 conformant) and BINHEX encoding/decoding**. This **BINARY/ASCII** conversion allows you to send and receive binary files via e-mail or any other ascii-based communications system. It provides a quick and easy way to distribute programs to people all over the world (it takes a few minutes, on average, for e-mail to reach across the world). **UUcoding** is a common practice on many Internet NewsGroups in which users wish to exchange binary data. **Base64** coding is used by **MIME** (**M**ultipurpose **I**nternet **M**ail **E**xtensions) conformant e-mail software as a method for attaching binary data to ascii e-mail. **BINHEX** is a popular encoding algorithm used mainly on Apple Macintosh computers. All these methods perform the same overall function (i.e. allow binary data to be safely transmitted through e-mail) but require different formatting algorithms (e.g. **BINHEX** supports **Run-Length Encoding**).

Wincode and the associated executables and DLLs (**not** including the *registered* HELP file) are distributed as **FREEWARE**. However, we want to make a distinction: the program is **FREEWARE**, but it is **not** Public Domain. _Snappy_ still retains the Copyright to the source code and to the use and distribution of the program. The HELP file is available for a small fee ($10.00 US) but is **not** required for Wincode to function correctly. Ordering the HELP file also entitles you to future updates and e-mail based support. The $10.00 fee is mainly to offset development costs and the amount of personal time invested.

Wincode is 100% compatible with all standard UUcoders, MIME 1.0 conformant software and BINHEX 4.0 coders. The MIME (Base64) support was developed under the guidelines of RFC 1521 (September 1993) and is subject to our understanding of the document. We welcome all comments and error corrections. We have tried to incorporate as many extra features as possible to make the en/de-coding process painless. The average user may not need/use all of Wincodes features, but they *are* **free!**

NOTE TO DEVELOPERS: WCENGINE.DLL contains all of Wincodes ***working*** code (currently) accessed through 80 functions/procedures. We created this *simple* interface to allow Developers to integrate the Wincode Engine into any program. We will provide the **API** and royalty free usage to interested developers under certain conditions. Please contact the _Snappy_ development team for more details:

development@snappy.globalone.net

Obtaining the HELP File and Support

The HELP file is **not** required for Wincode to function properly. If you can figure out all of Wincode's features on your own, then by all means enjoy the **FREE** program. If you would like assistance and/or the HELP file to discover Wincode's **full** potential (i.e. network support, limited auto-line correction, etc.) then order the HELP and support as indicated below.

NOTE: Registration is a **one-time** fee. If you registered for an earlier version of the HELP file, you do **not** need to re-register. You are in our database for **FREE FUTURE HELP** file upgrades. Not bad, huh :-)

To order the Wincode Help file, send **$10.00 (U.S. Dollars)** to:

> **Maureen Belisle**
> **_Snappy_**
> **Oxford Heights: Buckingham #5**
> **Albany, NY 12203**

This price and address are guaranteed until June 1, 1996. If you wish to obtain the HELP file, **PLEASE E-MAIL FIRST** for updated information. Send a **blank** e-mail to:

> **wincode@snappy.globalone.net**

An easy to use order form is provided as part of Wincode by selecting **Help|Ordering the Help file...** and then choosing **Order Now!**.

Payment Method is by Check or Money Order payable to: **MAUREEN BELISLE**

Payments must be in US dollars drawn on a US bank, or you can send international postal money orders in US dollars.

You may send U.S. cash but _Snappy_ is **NOT** responsible for lost letters or payments. We keep records of all our e-mail/postal mail transactions. If our records show that we have not received payment, your letter will be considered lost and you will be responsible for the lost payment. We **STRONGLY** suggest paying by Check or Money Order.

Sales tax **is** applicable to New York State residents at the current Albany county rate of 8%.

PLEASE include a LEGIBLE E-MAIL address with all orders.

By ordering Help, you obtain the following:

> **1)** The most recent version of Wincode with the Help file.
> **2)** E-Mail access to pre-releases of future versions of Wincode and the Help file.
> **3)** Technical support.

All files will be **ELECTRONICALLY MAILED** to you. If you wish to have something sent through the US Postal service, please include a **Self-Addressed-STAMPED Disk-Mailer AND Disk** with your order. For an additional fee of $5.00 (see the order form), we can provide the Disk and Disk Mailer.

Multi-User Site License pricing is available (see the order form). A Site License entitles an organization to receive one copy of the Wincode package and duplicate the distribution disk for the specified number of copies.

The HELP file for each release is generally available within 30 days of the *official* release date. However, since we are a small company, you should please allow 6-8 weeks for delivery. We have installed an automated e-mail system by which registered users can upgrade the help file by sending a simple e-mail. For more information, send a **blank** e-mail to one of the following addresses:

Snappy info: **snappy@snappy.globalone.net**
Wincode info: **wincode@snappy.globalone.net**

Or visit our HomePage at:

http://snappy.globalone.net/

NOTE: WAV files selected for use with Wincode are provided free of charge. They are freely available on the internet and were not sampled or altered by _Snappy_. See the **Copyrights** section of this file for legal copyright notices.

Mailing List/Postcard Information

We are maintaining a mailing list of users who would like to receive free updates of Wincode by e-mail (**NOTE:** these are updates **without** the HELP file). Though we were offering this *service* free, we regret to say that we have changed our policy and have decided to make it **Postcard-Support**. What is Postcard-Support? It is based on the idea of PostcardWARE software in which you send the author a **picture** Postcard from your home state, country, whatever to register the product. We have spent quite a bit of our free time developing and supporting Wincode. It will **always** be **FREEWARE**. However, if you wish to get pre-releases of new versions of Wincode, you must mail us a **picture** Postcard to the address given below. We will be separating our mailing list into two groups:

> **1)** users who send postcards
> **2)** users who purchase the HELP option.

If you send a Postcard **only**, you will **only** receive the **FREEWARE** Wincode package **without** the HELP file. If you purchase the HELP option, you do **not** need to send the Postcard and you will receive the Wincode Package **with** the HELP file. Being on the mailing list saves you the hassle of finding Wincode on the internet or downloading it from a BBS.

Users who send Postcards will also be eligible to **BETA** test _Snappy_ programs and can receive forthcoming _Snappy_ Windows software **free** if they **participate** in the **BETA** trials (help with **BETA** testing earns you a free Wincode HELP file).

All this for under one dollar! (average price of a Postcard plus postage in continental U.S.)

We welcome all comments and suggestions. Please remember to include **program version information** in all e-mail! Thanks!

Send Postcards to:

> **George Silva**
> **_Snappy_**
> **Oxford Heights: Buckingham #5**
> **Albany, NY 12203**

Don't forget to include your e-mail address!

Thanks for your support...

A Simple Encode Example

The following is a step by step run through for encoding a file (it is assumed that Wincode is installed and running):

Using the Mouse:

1) Select **File|Encode..** from the Wincode menu or select the first (left-most) icon on the Wincode Buttonbar. A **File to Encode** dialog will appear.
2) At this point, you can select the **Options...** button to re-check the settings Wincode will use to Encode the file(s).
3) Click through the Directories list to locate the file(s) you wish to encode.
4) Double-click the dialog TitleBar to select a *different* encoding algorithm. Wincode will cycle through the possible **Code Types** available.
5) If you wish to have Wincode call PKZIP to ZIP the files first, then check the **ZIP First** checkbox.
6) If you wish to have Wincode automatically e-mail/post the encoded file, check the **E-Mail/Post** checkbox.
7) At this point, you have five options:
    a) to encode only one file, select the file or type the filename in the Filename entry box. Select **OK** to begin encoding.
    b) to encode multiple files of different types, hold the **CTRL** key and select the files you want with the mouse. You may also type the separate filenames in the Filename entry box separated by a **SPACE**. Select **OK** to begin encoding.
    c) to encode **all** the files in this directory, select the **All Files** button (with ***.*** as the file). Wincode will begin encoding the files.
    d) to encode **all** files of a specific type (such as ***.txt**), enter the appropriate file filter (i.e. ***.txt**) in the Filename entry box and select the **All Files** button. Wincode will begin encoding the files.
    e) to encode into the Windows Clipboard, select a file and press the **>> Clipboard** button. Wincode will begin encoding. If you select more than **one** file, Wincode will pause between each file to allow you to copy the contents of the Clipboard to another destination.
8) Wincode will display the Encode progress in its main Window and will list the Encode method in the Hint Bar.
9) By default, Wincode will create an Encode Report file in the *set* **Encode** directory and will allow you to view it when complete.
10) That's all!

Using the Keyboard (Key combinations require the user to press and hold specific keys. Use the TAB key to move between fields.):

1) Use **CTRL-E** to open the **File to Encode** dialog.
2) At this point, you can select the **Options...** button by pressing **ALT-O** to re-check the settings Wincode will use to Encode the file(s).
3) TAB to the Directories list and use the arrow keys, **SPACE** bar and **RETURN** key to locate the file(s) you wish to encode.
4) Double-click the dialog TitleBar to select a *different* encoding algorithm. Wincode will cycle through the possible **Code Types** available (there is no key combination for this).
5) If you wish to have Wincode call PKZIP to ZIP the files first, then check the **ZIP First** checkbox by pressing **ALT-Z**.
6) If you wish to have Wincode automatically e-mail/post the encoded file, check the **E-Mail/Post** checkbox by pressing **ALT-E**.

7) At this point, you have five options:

a) to encode only one file, select the file or type the filename in the Filename entry box. Select **OK** by **TAB**ing to highlight the button and pressing **RETURN**. Wincode will begin encoding.

b) to encode multiple files of different types, hold the **CTRL** key and select the files you want using the arrow keys and the **SPACE** bar. You may also type the separate filenames in the Filename entry box separated by a **SPACE**. Select **OK** by **TAB**ing to highlight the button and pressing **RETURN**. Wincode will begin encoding.

c) to encode **all** the files in this directory, select the **All Files** button by pressing **ALT-A** (with ***.*** as the file). Wincode will begin encoding the files.

d) to encode **all** files of a specific type (such as ***.txt**), enter the appropriate file filter (i.e. ***.txt**) in the Filename entry box and select the **All Files** button by pressing **ALT-A**. Wincode will begin encoding the files.

e) to encode into the Windows Clipboard, select a file and press **ALT-C**. Wincode will begin encoding. If you select more than **one** file, Wincode will pause between each file to allow you to copy the contents of the Clipboard to another destination.

8) Wincode will display the Encode progress in its main Window and will list the Encode method in the Hint Bar.

9) By default, Wincode will create an Encode Report file in the *set* **Encode** directory and will allow you to view it when complete.

10) That's all!

You may press **ESC** to cancel at any time (you may also select **CANCEL** using the mouse or by **TAB**ing to highlight the **CANCEL** key and pressing **RETURN**).

NOTE: When encoding files using the **BINHEX** algorithm, you have the option of including the correct **MAC Finder** info within the file. Doing so will *greatly* help users on MACs decode the files correctly. By this we mean that the decoded data will contain the correct MAC Icon and Program Association provided by the Finder on their system. Instead of having to use ResEdit (or similar apps) to fix the file, users will be able to just double click and go! (avoiding that annoying message "The application that created this file could not be found...etc"). Wincode ships with an extensive MAC Finder info library from which you may choose the correct info or enter your own. The library can also be edited to store/delete custom entries.

A Simple Decode Example

The following is a step by step run through for decoding a file (it is assumed that Wincode is installed and running):

Using the Mouse:

1) Select **File|Decode..** from the Wincode menu or select the second (left-most) icon on the Wincode Buttonbar. A **File to Decode** dialog will appear.
2) At this point, you can select the **Options...** button to re-check the settings Wincode will use to Decode the file(s).
3) Click through the Directories list to locate the file(s) you wish to decode.
4) Double-click the dialog TitleBar to select a ***different*** decoding algorithm. Wincode will cycle through the possible **Code Types** available.
5) If you wish to have Wincode call PKUNZIP to UNZIP the files after they are decoded, then check the **UNZIP After** checkbox.
6) If you wish to have Wincode Winsort the files before decoding, check the **Winsort First** checkbox.
7) At this point, you have five options:
    a) to decode only one file, select the file or type the filename in the Filename entry box. Select **OK** to begin decoding.
    b) to decode multiple files of different types, hold the **CTRL** key and select the files you want with the mouse. You may also type the separate filenames in the Filename entry box separated by a **SPACE**. Select **OK** to begin decoding.
    c) to decode **all** the files in this directory, select the **All Files** button (with ***.*** as the file). Wincode will begin decoding the files.
    d) to decode **all** files of a specific type (such as ***.txt**), enter the appropriate file filter (i.e. ***.txt**) in the Filename entry box and select the **All Files** button. Wincode will begin decoding the files.
    e) to Decode from the Windows Clipboard, select the **Clipboard >>** button. You do **not** need to specify a filename (it will be ignored anyway). Wincode will search the Clipboard for data (**TEXT**) and begin decoding.
8) NOTE: If you are decoding a multi-part file, you need only select the **first** file in the series. Wincode will find the rest of the files provided they are named **in order** by **a)** filename or **b)** extension. If Wincode gets confused, it will prompt you for the next file in sequence. See the **Simple Winsort Example** for more information regarding multi-part files.
9) Wincode will display the Decode progress in its main Window and will list the Decode method in the Hint Bar.
10) By default, Wincode will create an Decode Report file in the ***set* Decode** directory and will allow you to view it when complete.
11) That's all!

Using the Keyboard (Key combinations require the user to press and hold specific keys. Use the TAB key to move between fields.):

1) Use **CTRL-D** to open the **File to Decode** dialog.
2) At this point, you can select the **Options...** button by pressing **ALT-O** to re-check the settings Wincode will use to Decode the file(s).
3) TAB to the Directories list and use the arrow keys, **SPACE** bar and **RETURN** key to locate the file(s) you wish to decode.
4) Double-click the dialog TitleBar to select a ***different*** decoding algorithm. Wincode will cycle through the possible **Code Types** available (there is no key combination for this).

5) If you wish to have Wincode call PKUNZIP to UNZIP the files after they are decoded, then check the **UNZIP After** checkbox by pressing **ALT-U**.

6) If you wish to have Wincode Winsort the files before decoding, check the **Winsort First** checkbox by pressing **ALT-W**.

7) At this point, you have five options:

> **a)** to decode only one file, select the file or type the filename in the Filename entry box. Select **OK** by **TAB**ing to highlight the button and pressing **RETURN**. Wincode will begin decoding.
>
> **b)** to decode multiple files of different types, hold the **CTRL** key and select the files you want using the arrow keys and the **SPACE** bar. You may also type the separate filenames in the Filename entry box separated by a **SPACE**. Select **OK** by **TAB**ing to highlight the button and pressing **RETURN**. Wincode will begin decoding.
>
> **c)** to decode **all** the files in this directory, select the **All Files** button by pressing **ALT-A** (with ***.*** as the file). Wincode will begin decoding the files.
>
> **d)** to decode **all** files of a specific type (such as ***.txt**), enter the appropriate file filter (i.e. ***.txt**) in the Filename entry box and select the **All Files** button by pressing **ALT-A**. Wincode will begin decoding the files.
>
> **e)** to Decode from the Windows Clipboard, press **ALT-C**. You do **not** need to specify a filename (it will be ignored anyway). Wincode will search the Clipboard for data (**TEXT**) and begin decoding.

8) NOTE: If you are decoding a multi-part file, you need only select the **first** file in the series. Wincode will find the rest of the files provided they are named **in order** by **a)** filename or **b)** extension. If Wincode gets confused, it will prompt you for the next file in sequence. See the **Simple Winsort Example** for more information regarding multi-part files.

9) Wincode will display the Decode progress in its main Window and will list the Decode method in the Hint Bar.

10) By default, Wincode will create an Decode Report file in the *set* **Decode** directory and will allow you to view it when complete.

11) That's all!

You may press **ESC** to cancel at any time (you may also select **CANCEL** using the mouse or by **TAB**ing to highlight the **CANCEL** key and pressing **RETURN**).

A Simple ZIP/UNZIP Example

The ZIP/UNZIP support requires that you have working copies of the **PKWare ZIP and UNZIP** programs (or similar command-line compatible programs).

You should first select the **Options|Configuration...** menu item (**CTRL-F** or select the Open-Folder icon on the Wincode Buttonbar) and configure the ZIP/UNZIP support to your system.

NOTE: You must enter a FULL PATH and FILE NAME for both PKZIP and PKUNZIP.

ZIP First:

> **1)** Select a file to encode (as noted in the **Simple Encode Example**) with the **ZIP First** option checked.
> **2)** Wincode will prompt you for a name for the ZIP archive. Enter a standard DOS eight character filename (the extension is set in the Options dialog).
> **3)** Wincode will then execute PKZIP on the files you selected placing them in the archive you named. The actual ZIP archive is created in the Wincode **TEMP directory** (set under **Configuration|Wincode**).
> **4)** Wincode will wait for PKZIP to finish and then encode the ZIP archive it created (see the **Simple Encode Example** for more information).
> **5)** Alternatively, you can set the **ZIP First** feature **ON** both in the main **Encode Configuration** dialog or using **Interactive Drag and Drop**.

UNZIP After:

> **1)** Select a file to Decode (as noted in the **Simple Decode Example**) with the **UNZIP After** option checked.
> **2)** Wincode will decode the files as indicated in the **Simple Decode Example**.
> **3)** If Wincode encounters a file that has the selected **ZIP extension** it will execute PKUNZIP on the given file.
> **4)** The files will be UNZIPped to the selected UNZIP directory set in the **ZIP/UNZIP Options** dialog. This allows easy viewing/testing of files.
> **5)** Alternatively, you can set the **UNZIP After** feature **ON** both in the main **Decode Configuration** dialog or using **Interactive Drag and Drop**.

A Simple Menu Hook Example

Explanation and Rational:

WCEHOOK.DLL allows Wincode to *Hook* its menu into other applications. When you *hook* an application, a new menu item **Wincode** will appear in the Window menu of the *hooked* app (it *should* appear before the HELP menu item; **Hook** will try to find a unique letter to underscore so that you may use the **ALT-key** combination to activate the Wincode menu...if this fails, it defaults to **Wincode!** where the **!** is underlined -> use **ALT-SHIFT-1** to activate). Why do this you ask? Well, say you are downloading files in **Procomm Plus for Windows** and you want to decode them as you get them. Normally, you would switch to Wincode and select **File|Decode**, etc, etc. Or maybe you are encoding/ uploading...etc. Either way, it would be nice if you could minimize the app switching. In other words, it would be nice to have an encode/decode menu option built-in to your Comm app. That's where hooking comes in. Once hooked, you'll see a re-creation of Wincode's menu in the form of pop-up labelled **Wincode**. Wincode hides itself (minimized/hidden) and executes in the background. The only functionality missing when Wincode is hooked is Drag and Drop (there is no Window to drag to! - besides, it defeats the purpose of hooking ;-))...see below for more info...

With the release of v2.6.5, Wincode now includes an enhanced **WCEHOOK.DLL** and a new **WCEFMEXT.DLL**.

The enhancements to the standard Hook DLL allow Wincode to become a ***floating menu***. Wincode will **not** *hook* into an application but rather become a menu itself. You move the menu by clicking with the **LEFT** mouse button and dragging. You select an item by using the mouse **RIGHT** click to activate a popup menu.

The new DLL offers a **direct** hook into **File Manager** using the ***Microsoft File Manager Extensions***. This allows Wincode to work on files that you select **in File Manager**. You will notice that the Encode/Decode menu items no longer have **ellipses** (...). This means that they act on the files you choose directly in **File Manager**. **NOTE:** The **ZIP First** option currently does not work when using the **File Manager Extension hook**. This will be fixed in a later release.

The following example shows how to establish a Menu Hook on the Windows **File Manager** program. Not all programs are compatible with Menu Hooking. In particular, programs which dynamically modify their menus (e.g. **Word for Windows 6.0**) can be unHookable **(SEE IMPORTANT NOTES BELOW)**. If a program does get Hooked but you lose access to the Wincode functions, simply close the program down (this will close Wincode too). You now have the option of just using the **floating menu** hook in these situations.

> **1)** Select the **Options|Configuration...** menu item (**CTRL-F** or select the Open-Folder icon on the Wincode Buttonbar) and select the **Hook App** page.
> **2)** Set the **Application Name**: the application name is the name you see in the application Window **Titlebar** when it is maximized. This is important. Wincode will match **only** the text you provide . So **FILE MANA** and **FILE MaNaGeR** would **both** hook the Windows **File Manager** program if it were an active Window (exact matching is an option) and the **only** program with that text in its titlebar. You can create a list of active Window Titles using the **Hook Tuning** options (it creates a file called **WIN_LIST.RPT** in your **Wincode Working** Directory). For the purpose of this example, set the **Application Name** to: **File Manager**
> **3)** Set the **Application Path**: the application path is the file name Wincode will execute in the event that it cannot match the Window Title info. Include a **full** path and filename here. Wincode will **wait 1 second** (default value that can be changed)

after executing an application to give it time to setup. For the purpose of this example, set the **Application Path** to the location of **WINFILE.EXE** (usually it is: c:\windows\winfile.exe).

4) For the purpose of this example, leave the other options in their default settings.

5) Select **OK** when you are done (**TAB** to highlight the button and hit **RETURN**).

6) To Hook Wincode, select **Actions|Hook Wincode** (**CTRL-H** or select the Hook icon on the Wincode Buttonbar).

7) If **File Manager** is open, it will become the active application once Wincode has established its **Hook**. If **File Manager** is not running, it will be executed and Wincode will then Hook into it.

8) Check the **File Manager** menu (just before HELP) and you will see the **Wincode** item (with the letter **i** underlined :-).

The Hook menu changes depending on the action you perform. Wincode will also popup a small progress dialog box for each encoding/decoding action. It lists the current filename and percent done and the percent of the total job completed (the same info displayed in the Wincode Main Window). To **Stop** or **Quit** a process, select the **Stop** or **Quit** buttons from this dialog.

To Unhook Wincode, you have three options:

1) From the **Wincode** menu item select **UnHook Wincode**. Wincode will re-display itself where it was last located. Everything is back to normal.

2) From the **Wincode** menu item select **Exit**. Wincode will unHook itself and then close down. The Hooked app returns to normal.

3) Close the application in which Wincode is hooked. Wincode will automatically be closed.

NOTE: In the above example, we used the *standard* hook for **File Manager**. However, by selecting **Use File Manager Extension** from the **Hook App** Configuration dialog, you could establish a tightly integrated hook to **File Manager**.

IMPORTANT NOTES:

1) Certain programs (e.g. **WSGopher 1.2**, **Free Agent**) use **dynamic** menus. This sometimes causes Wincodes Hooked menu to appear *grayed out*. If this happens, set the **Double Hook Menu** option in the **Hook Tuning** section. This will insure the Wincode menus are enabled.

2) If you hook an application then quit and Wincode does not *unhook* itself, you can use the **reset** option to get it back. Just start **another** copy of Wincode with the commandline: **-RESETWINCODE**. For example, if Wincode is located in **c:\util**, then you would execute:

c:\util\wincode -resetwincode

This forces Wincode to revert to a normal state and shutdown. It will **only** work if a previous copy of Wincode is running. If this does not work, we suggest reseting your machine (**VERY RARE** :-). This option is provided as an emergency backup method to powerdown Wincode. We have found in the past that not all applications behave well when hooked. This insures that Wincode **will** behave well :-) This feature may be used at *any* time to kill a previous session of Wincode.

Known Limitations:

1) Microsoft Word for Windows v6.0 is incompatible with the Hook option. The

program will issue a **GPF** because the Wincode menu is not defined *internally* and therefore has no **hint text** (**Word** crashes trying to assign hints to the menu). We are currently working on this problem.

2) You can **not** Hook applications that do not have a menu.

3) Windows95 does not seem to support all forms of hooking. The **Windows95** version of Wincode will address this issue.

If you experience *any* problems hooking apps, **PLEASE** let us know. We've been working on this for a while and it should be fairly clean... ;-)

A Simple Winsort Example

Winsort is designed to alleviate the **files-must-be-in-order** restriction when decoding multi-part or mixed part single files. In a coming release, it will also try to detect file **CODE TYPES** - that is, it will try to distinguish (better) between **UU/XX/User Defined/BASE64/BINHEX** code types and allow Wincode to decode them all at once! It works by analyzing the Header information of the separate and/or internal files and extracting the encoded information into files Wincode can process. Winsort looks for the **Subject** line in file headers as its default. However, Winsort does support Wincode (2.0 or later), R.E.M, xmitBin, shar (by postbin), POST v1.2, X-File, and more headers. If Winsort cannot decipher information within a header, it will prompt the User for the missing information. Winsort creates files in the Wincode **TEMP directory** (**WSxxxxxx.yyy** where **x** is a number and **yyy** is the extension of the input file).

The following demonstrates how Winsort is used (this is **only** necessary for files which contain multi-parts that are **not** in order):

> **1)** Select **Options|Configuration...** (**CTRL-F** or select the Open-Folder icon on the Wincode Buttonbar).
> **2)** Choose **Decode** and set the **Winsort First** option (**ALT-N**).
> **3)** Select **OK** when you are done (**TAB** to highlight the button and hit **RETURN**).
> **4)** Decode a file as specified in the **Simple Decode Example**.
> **5)** Wincode will call Winsort to process the file(s) then resume when Winsort is complete.
> **6)** That's all!
> **7)** Alternatively, you can set the **Winsort First** feature **ON** in the **File|Decode** dialog, using **Interactive Drag and Drop** or by selecting the menu item (**CTRL-N** or select **Options|Winsort First**).

A Simple Auto E-Mail/Post Example

Explanation and Rational:

The **Wincode Engine E-Mail/Post module** is a **WINSOCK** compatible agent that allows you to instantly encode and e-mail and/or post documents to a user/newsgroup **or** list of users/newsgroups. The module works in the background **independent** of Wincode and can be set to queue messages at specified intervals. What can this be used for? Say I have a PC at home with a SLIP account and I'm working with several colleagues on a document in **WordPerfect**. What I could do is create a mailing list of these people and configure Wincode to **Auto E-Mail/Post** the encodes. Then, with Wincode hooked into **Wordperfect**, I can select the encode option and e-mail away the latest drafts of the document as I work in **WordPerfect**. No need to run an e-mail program or create attachments, etc. As another example, say I just created a new **DOOM WAD** file and wish to distribute it on the **Usenet**. I would configure the appropriate Newsgroups in the Wincode **E-Mail/Post** configuration and then just drag and drop the file onto Wincode to encode it and post it in **one** simple step. Nice and easy posting...

Setup:

TCP/IP Page

> **1)** At minimum, you **must** specify an **SMTP** server. The **E**-Mail/**P**ost **D**aemon (EPD) will communicate to you through its **Trace window** (which can be logged) and via e-mail feedback. Most sites use **mail** followed by the domain as the server address (i.e. **mail.globalone.net**).
> **2)** The **NNTP** server is optional. Most sites use **news** followed by the domain as the server address (i.e. **news.globalone.net**).
> **3)** Leave the **Port** settings as is unless they are different at your site (this is very unlikely).
> **4)** At this point, you can try testing your setup by using the **Test *xx*TP Server Setup** buttons. Please note that this test may take anywhere from a few seconds to several minutes.
> **5)** For now, leave all other options at their **DEFAULTS**. Setting the **Queue** to **Spool First** will allow you to modify the **Auto E-Mail/Post** modules message queue (to change things such as the Subject line, Recipients, etc).

E-Mail/Post Page

> **1)** At minimum, you **must** specify a valid fully qualified internet return address and at least **one** recipient or **one** Newsgroup. Specifying either one will allow you to check an **Auto *xxx* Enabled** checkbox. You **must** select one or both.
> **2)** The rest of the setup is fairly straightforward. You can also select preset mailing lists or newsgroup lists. These must be straight **ASCII** text files with **one** address/newsgroup per line.
> **3)** By default, Wincode will create two files in its home directory: **WCEMAIL.DAT** which contains your selected mailing list and **WCENEWS.DAT** which contains your selected newsgroup list.

An E-Mail Example:

> **1)** Select the **Options|Configuration...** menu item (**CTRL-F** or select the Open-Folder icon on the Wincode Buttonbar) and select the **TCP/IP** page.
> **2)** Configure the **TCP/IP** options as noted above.

3) Select the **E-Mail/Post** page and enter your *real* name, a valid return address and an optional organization.

4) For this test, you will mail something back to yourself. Enter your e-mail address in the **E-Mail** editbox and select the **down arrow** (or **INSERT**) to add it to your mailing list.

5) Check the **Auto E-Mail Enabled** checkbox.

6) Make sure the **Auto Post Enabled** checkbox is **not** checked.

7) Select **OK** to save the current configuration.

8) Enable the Auto E-Mail/Post option by selecting the **Auto E-Mail/Post** menu item (**CTRL-M** or select the File-to-Mail X icon on the Wincode Buttonbar).

9) An appropriate encode **CODE TYPE** should be selected. This will vary depending on the recipient. We do suggest that you set the **Header Type** to **MIME Conformant**.

10) Encode a file(s). For this example, a small text file such as your **AUTOEXEC.BAT** will do nicely.

11) Wincode will automatically launch the **Auto E-Mail/Post** module (EPD) to handle the e-mailing of the file.

12) That's all!

13) You will note that the **Auto E-Mail/Post** module will wait the full **spool** time (default 15 minutes) **before** trying to send the document(s). This allows you time to edit the e-mail/post queue (see notes below).

A Posting Example:

1) Select the **Options|Configuration...** menu item (**CTRL-F** or select the Open-Folder icon on the Wincode Buttonbar) and select the **TCP/IP** page.

2) Configure the **TCP/IP** options as noted above.

3) Select the **E-Mail/Post** page and enter your *real* name, a valid return address and an optional organization.

4) For this test, you will post something to the **ALT.TEST** newsgroup (used for this very purpose :-). Enter **ALT.TEST** in the **Post (Newsgroups)** editbox and select the **down arrow** (or **INSERT**) to add it to your newsgroup list.

5) Check the **Auto Post Enabled** checkbox.

6) Make sure the **Auto E-Mail Enabled** checkbox is **not** checked.

7) Select **OK** to save the current configuration.

8) Enable the Auto E-Mail/Post option by selecting the **Auto E-Mail/Post** menu item (**CTRL-M** or select the File-to-Mail X icon on the Wincode Buttonbar).

9) An appropriate encode **CODE TYPE** should be selected. This will vary depending on the recipient. We do suggest that you set the **Header Type** to **MIME Conformant**.

10) Encode a file(s). For this example, a small text file such as your **AUTOEXEC.BAT** will do nicely - though you **may** want to create a dummy file if you are concerned about the contents of your **AUTOEXEC.BAT** floating on the internet! :-)

11) Wincode will automatically launch the **Auto E-Mail/Post** module (EPD) to handle the posting of the file.

12) That's all!

13) You will note that the **Auto E-Mail/Post** module will wait the full **spool** time (default 15 minutes) **before** trying to send the document(s). This allows you time to edit the e-mail/post queue (see notes below).

NOTES:

1) When the **Auto E-Mail/Post** option is enabled, Wincode will **not** create a *normal* output file. It will create a temporary **spool directory** (**\~mqueue**) in which it places temporary files. Once the **Auto E-Mail/Post** module has processed the files, they are

deleted.

2) By selecting **Spool First** for the **Queue**, you can easily edit the contents of the message queue. Otherwise, messages are sent immediately after they are added to the message queue.

3) You can edit the message queue in two ways:

    a) Select the **Wincode E-Mail/Post Daemon** (EPD) application. From the **Queue** menu item select **Pause** (**CTRL-P**) to pause the queue and then select **Modify** (**CTRL-M**) to modify it.

    b) In Wincode, select the **Options|Configuration...** menu item (**CTRL-F** or select the Open-Folder icon on the Wincode Buttonbar) and select the **Queue** button (with the mail icon).

4) After making changes to the queue, you **must** select the **Update** button (for each item) for changes to take effect. You will here a confirmation beep (if your sound system is enabled).

NOTE: Being a Winsock app means that the program requires a **WINSOCK.DLL**. Please be sure that your system has been configured properly.

Virus Scanners

Wincode now incorporates built in support for **DOS Virus Scanners**. Configuration is fairly straightforward (see the **Options|Configuration...|Misc.** Page). We have included built-in support for three popular Virus Scan Packages (two shareware packages and the scanner shipped with **MSDOS 6.0**). The file **VSDLINK.DAT** contains the configuration information for these packages. Users can edit this plain text file to include support for *other* DOS virus scanners. Please refer to the **VSDLINK.DAT** file for details.

Helpful Hints!

If you want to know what something does, try it! Wincode (by default)   will warn you if you are about to make a big mistake :-) The program is designed to be intuitive and easy to use. We welcome all comments and suggestions (good or bad) but please do not e-mail/phone for support unless you have purchased the HELP file option (sorry). Thanks for using and supporting _Snappy_ software. Have fun!

These are some helpful hints to get you started:

1) TRY EVERYTHING! We can't stress this enough ;-) Some options depend on the settings of other options (i.e. if you select **Make EMBL Files**, **many** of the standard encode options are disabled -> this is because certain options are mutually exclusive, etc). If there are major conflicts in your configuration, Wincode will let you know.

2) To see what a Buttonbar item does, hold the mouse over it until the Hint text appears.

3) Simple configuration **WARNING** messages (i.e. if you are deleting files, etc) can be disabled. Edit the **WINCODE.INI** file and set **WARNINGS=0**.

4) The degree to which Wincode interacts (i.e. through dialogs) with the User is controlled by the **Interactive Mode** setting (**low**, **medium**, **high**). If you set this option to anything other than **high**, we suggest enabling the **Report File** option and turning on the sound support. This will allow you to continue monitoring Wincodes progress while working on other things :-)

5) You **can** associate up to 20 (twenty) extensions to Wincode that it will recognize as *decodable*. This is useful if you want to double-click on files to decode them **or** if you are doing **mixed** encode/decode operations. We suggest adding the following: **UUE**, **UU**, **XXE**, **XX**, **B64**, **MME**, **MM**, **USR**, **HQX**, **HEX**, **UAA**, **MSG**, **001**, **01**, **1**. These are the *common* extensions for various types of encoded files. **NOTE:** Files do **not** have to have associated *decodable* extensions to be decoded. When you select **File| Decode...** or use the **Interactive Drag & Drop** option and select **Decode**, files will be decoded regardless of extension.

6) Set the **Interactive Drag and Drop** mode **ON** and use it! It allows you to quickly modify **basic** coding options for batch processes. **NOTE:** The **Extension Based** option means that files are encode/decoded based on their **extensions** as recognized by Wincode.

7) The **Concatenate** option allows you to piece together files in a **specific** order. This is useful for when the files are all named differently and Winsort isn't working (headers not recognized). You are allowed to choose files from the Wincode **Working Directory** (Wincode will also create the concatenated file in that directory). You can send the new file directly to the encode/decode engine after it is created.

8) Use the **File Description** option to add **extra** info to the beginning of encoded files. You can enter up to **4096** characters (includes CR/LF).

9) Use the **Run Decoded** option to have Wincode execute files once they are (safely) decoded. Wincode uses the **WIN.INI Associations** list for choosing which program to use to display the file.

10) The **Header Type** (**Wincode** or **MIME**) is toggled by selecting either **a)** a new **Code Type** or **b)** turning **ON** the **File Headers** option (if it is already **ON**, turn it **OFF** then **ON** again).

11) RAW BASE64 decoding uses the input file as a raw data stream. This means that the file **cannot** have *any* non-essential data. There are two exceptions (see the registered HELP file for details). You toggle the **BASE64** decode mode by selecting the **BASE64 Code Type**.

12) The **Window List** created by the **Hook App** option is saved as **WIN_LIST.RPT** in the Wincode **Working Directory**. It lists the Window Titlebar Text as   Wincode saw them.

13) Auto-Hooking Wincode on start-up allows you to have Wincode execute the *hookable app* when you execute Wincode.

14) Enter **FULL** Pathnames for PKZIP and PKUNZIP.

15) Double click the Titlebar of the File Encode/Decode dialogs to **quickly** change the **CODE TYPE** used.

16) To use the **Auto E-Mail/Post Module**, you **must** have **WINSOCK** correctly setup on your system. If you don't know what **WINSOCK** is, then the module probably won't work :-(Please refer to any one of the many books published about the internet and network access.

17) Use the **AUTO-DETECT** code type for decoding. Wincode can try to guess the code type and will adjust its decode algorithm accordingly. If it fails, you can then force it to use the correct code type.

18) Take advantage of the **BINHEX** encodes ability to store the correct **MAC Finder** info within the file. This will make the information more accessible to MAC users! (see **NOTE** in **A Simple Encode Example**).

19) Use the built in **Virus Scanner** option for extra safety. You can customize it further by editing the **VSDLINK.DAT** file.

20) The rest is in the registered HELP file...Sorry! :-)

Remember, chances are Wincode CAN ALREADY do what your thinking of...but if you're sure it can't and you'd like to see that feature, let us know!

Bonus SUM Utility

We have included a small **DOS** executable which will quickly calculate UNIX **sum -r/size** checksums. This program is useful for checking the integrity of files that have been transferred over communications lines that are questionable (or, to some extent, checking for virus infections). Wincode supports both line and/or file Checksum checking while decoding and will insert Checksums (line and/or file) while encoding. This utility is provided as a stand-alone DOS program. For program usage, type **SUM** (with no parameters) at the DOS prompt. The included file **CHECKSUM.REF** contains the proper checksum values for all of the files in the Wincode package.

Known Limitations and Other Important Notes

Known Limitations

1) Certain video hardware/software combinations (such as ATI cards/drivers) are known to cause irregular displays of various Wincode dialogs. Common symptoms include misaligned text, irregularly spaced progress bars and "absent menus".
2) The Hooking feature is not fully supported by all applications. If you have problems hooking an application, try using the **Hook Tuning** options. If you experience any other difficulties, please let us know. Please see the **Simple Hook Example** for more information.
3) The **ZIP First** option is currently not supported when using the *true* **File Manager Extension**. This will be fixed in a later release.
4) Wincode uses the built-in font **MS Sans Serif**. Some users have experienced difficulty with the text in the Wincode dialogs. Make sure you have this font properly installed (ships with Windows).
5) Although Wincode can handle System/Hidden files, the Microsoft **Common Dialogs** do not let you *see* them. This is not a limitation of Wincode (drag & drop, etc. still works on system/hidden files). We will address this issue in a future release.

These known problems do *not* affect Wincodes coding functionality.

Note to AOL Users

Here are answers to some common problems experienced by AOL Users:

1) When downloading USENET posts from AOL, be certain that you receive the **entire** message. You do this by pressing the **More...** button until it disappears or *grays-out*. AOL downloads files in 28K chunks and usually does **not** receive the entire post when you select it. We have been told that the **Logging** option is the way to go for capturing **large** files. For more info, please contact the AOL support personnel.
2) If you want to Hook the AOL menu, use **"America   Online"** as the **Application Name** (do **not** include the quotes). The point is that there are **two** spaces between **America** and **Online**.
3) There have been reports of bugs in the AOL v2.5 software auto-decode functions. This may cause problems when receiving encoded files that are large or multi-part. The solution is to disable this feature and use Wincode ;-)

The above AOL problems may or may not affect you. These are solutions we have helped customers with and may not be relevant to your copy of the AOL software. _Snappy_ has no association with America Online.

Note to Win95 Users

Wincode is currently targeted for the Win 3.1x (and WFWG) environment. Though it **will** work under Win95, there may be unforseen problems. We will be updating Wincode in the future to become a true Win95 logo application. However, until then, please bear in mind that Wincode **does** work without problems under Win 3.1x and that Win95 problems arise

from lack of backward compatibility in Win95. This is **not** to say that these are bugs in Wincode **or** Win95, but rather that Microsoft *had* to change certain aspects of Windows which now differ from good old Win 3.1x :-). Some of the problems you may experience may also result from changes in the overall system (i.e. there is no File or Program Manager). The following is the current list of known problems:

> **1)** Hooking does not always work. This option has been improved so YMMV (your mileage may vary :-).
> **2)** No support for Long Filenames (yet!).

Please send any other bugs/problems to:

> **bugs@snappy.globalone.net**

Thanks!

Other _Snappy_ Software

We generally develop utility programs for Windows 3.1x and (soon) Win95. We currently have a handful of programs that we're working on which we will release as **FREEWARE**. We welcome all ideas for future projects. Please check out our internet site to see what we have to offer!

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If you find any bugs, glitches, whatever, we can be reached by e-mail at one of the following addresses (**Please remember to include program version information**):

Wincode info: **wincode@snappy.globalone.net**
BUG reports: **bugs@snappy.globalone.net**
Comments/Feedback: **feedback@snappy.globalone.net**

If you need help, support, the latest version of Wincode or just want to let us know you like/hate the program, drop us a line. See the above for more info regarding obtaining the most current versions of the software.

Thanks for trying and using _Snappy_ software...

We'd like to thank everyone (you know who you are) who sent encouraging suggestions and comments.

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