

## **HCOM2WAV**

This transformation converts from a digitized sound file using the Macintosh® Binary-Encoded Huffman compressed FSSD format to the Windows WAV format.

## **AU2WAV**

This transformation converts a digitized sound file format using the Sun® audio file format to a Windows WAV format.

## **MACBIN**

This designates the Macintosh® Binary-Encoded file format. This is not a data compression format. The format provides a means of encapsulating various pieces of important information about a file used on Macintosh® computers.

## **LZH**

LZH files contain compressed data using the Microsoft® COMPRESS.EXE data compression program or Microsoft® LZH data compression library.



## **EINet winWAIS**

### **Document Viewer Launching Configuration**

Document viewer launching is configurable in the **EINET.INI** file. EINet winWAIS can launch any Windows program for viewing or interpreting data within a retrieved document. The configuration information must be placed in the following sections of the **EINET.INI** file.

[waisLaunch]

[waisLaunchKeys]

[waisAskWhenSaving]

[waisTransform]

[waisFileExtensions]

[waisAscii]



## **EINet winWAIS winWAIS Configuration - EINET.INI**

winWAIS parameters are specified in the **EINET.INI** file.

General configuration information is placed in the **[wais]** section of EINET.INI.

**[wais]**

*sourceDir=pathname*

*questionDir=pathname*

*tempDir=pathname*

*saveDir=pathname*

*defaultQuestionFile=filename*

*defaultSource=sourcename*

*cleanSourceDesc=0 or 1*

*autoBrowseMode=0 or 1*

*autoDeleteTemp=0 or 1*

*autoHighlightKeyword= 0 or 1*

**sourceDir** designates the directory that winWAIS will use to store source descriptions.

**questionDir** designates the default directory for all winWAIS question files.

**tempDir** designates the directory in which retrieved files are initially placed.

**saveDir** designates the default directory for all files saved by the user after retrieval.

**defaultQuestionFile** designates the question file that is to be automatically opened for setting the initial question keywords and selected sources at winWAIS startup time. (If winWAIS is started with a question file provided as a command line argument, this will override the **defaultQuestionFile** value).

**defaultSource** designates a default source to be selected at winWAIS startup if no default question file is provided.

**cleanSourceDesc** designates whether a source description should have all tabs and duplicate spaces removed (usually used for formatting the text). When extra spaces are removed, user dialogs that reformat and present source description text generally have a better appearance.

**autoBrowseMode** designates a winWAIS mode of operation. When this mode is turned on (1) and a WAIS source description is retrieved ("viewed"), the source is automatically selected and the query is automatically issued to the new source.

**autoDeleteTemp** when assigned a non-zero value, designates that winWAIS should delete all files in the **tempDir** directory before exiting.

**autoHighlightKeyword** when assigned a non-zero value, designates that winWAIS should automatically highlight the first occurrence of a search keyword in a text document viewed by the internal text viewer.

The **saveDir**, **questionDir**, and **tempDir**, as well as several other winWAIS parameters, are configurable from the winWAIS Edit Preferences command.

Other sections of the EINET.INI file are used for configuring document viewer launching information.

## Document Viewer Launching Configuration



## EINet winWAIS

### Document Viewer Launching - [waisLaunchKeys]

The [waisLaunchKeys] section defines keystrokes that are to be simulated in the launched application after it starts up. Each entry in this section identifies a different WAIS document type (such as "GIF=..."). Some applications can open files using command line arguments, but others require files to be opened by using a File Open menu. The [waisLaunchKeys] section provides a means for issuing such commands as "File Open" at program startup. Also, some evaluation copies of shareware require additional keyboard or mouse interactions with dialogs at program start-up.

Examples:

[waisLaunchKeys]

GIF={TAB}~%fo%rbg%f{file}~

BMP={TAB}~%fo%rb%f{file}~

JPEG=~%fo{file}~

TEXT=~

WAV=~

MID=~

ZIP=~

LHA=%e%fo{file}~

ARC=%e%fo{file}~

...

The key strokes are mapped using the following rules:

Each key is represented by one or more characters. To specify a single keyboard character, use the character itself. The plus sign +, caret ^, percent sign %, tilde ~, and parentheses () have special meanings. To specify one of these special characters, enclose the character inside braces. For example, to specify the plus sign, use {+}. Brackets ([]) have no special meaning but you must enclose them in braces as well, because brackets have special meaning when performing DDE operations. To send brace characters, use "{{" and "}}", respectively. Other mappings are as follows:

*filename of the retrieved temporary file*={file}

Backspace={BACKSPACE} or {BS} or {BKSP}

Break={BREAK}

CapsLock={CAPSLOCK}

Clear={CLEAR}

Delete={DELETE} or {DEL}

Down={DOWN}

End={END}

Enter={ENTER} or ~

Escape={ESCAPE} or {ESC}

Help={HELP}

Home={HOME}

Insert={INSERT}

Left={LEFT}

NumLock={NUMLOCK}

Page Down={PGDN}

Page Up={PGUP}

PrtScrn={PRTSC}

Right={RIGHT}



Scroll Lock={SCROLLLOCK}

Tab={TAB}

Up={UP}

F1={F1}    F2={F2}    F3={F3}    F4={F4}    F5={F5}

F6={F6}    F7={F7}    F8={F8}    F9={F9}    F10={F10}

F11={F11} F12={F12} F13={F13} F14={F14} F15={F15}

F16={F16}

To specify keys combined with any combination of Shift, Control and Alt keys, precede the regular key code with one or more of these codes:

Shift        +

Control     ^

Alt         %

To specify that Shift, Control, and/or Alt should be held down while several keys are pressed, enclose the keys in parentheses. For example, to hold down the Shift key while pressing E then C, use "+(EC)". To hold down Shift while pressing E, followed by C without the Shift key, use "+EC". To specify repeating keys, use the form {key number} where there is always a space between key and number. For example, {LEFT 42} means press the Left Arrow key 42 times; {x 10} means press the character x 10 times.



## EINet winWAIS

### Document Viewer Launching - [waisLaunch]

The [waisLaunch] section defines document viewer program launching information and command-line arguments. Each entry is provided using the name of WAIS document types that may be retrieved.

Examples:

[waisLaunch]

TEXT=notepad.exe {file}

GIF=C:\einet\gfxview.exe

BMP=C:\einet\gfxview.exe

WAV=C:\windows\mplayer.exe {file}

MID=C:\windows\mplayer.exe {file}

ZIP=C:\windows\dragnzip\zipview.exe {file}

LHA=C:\windows\winzip\winzip.exe

ARC=C:\windows\winzip\winzip.exe

WINHELP=winhelp.exe {file}

AMIPRO=D:\windows\amipro\amipro.exe {file}

...

If the "TEXT=" line is omitted, winWAIS uses its internal text viewer that can view ASCII text files of any size. "{type}=" lines are used to define the program to be launch, based on the WAIS data type {type} specified. The viewer program will be invoked with the specified arguments. Note that {type} is the *WAIS data type*, not the filename extension. winWAIS substitutes "{file}" with the actual retrieved file name. winWAIS substitutes "{headline}" with the text of the document's headline. Note that most of the designated program pathnames are only for example purposes. You will need to configure this information based on your actual system configuration. There are several good shareware, public domain, as well as commercial applications that are useful in viewing various data formats.



## **EINet winWAIS**

### **EINET.INI - The EINet Initialization Parameter File**

EINet software configuration is done in EINET.INI file. Once the EINet software distribution is successfully installed, the Windows WIN.INI initialization file will contain lines such as the following:

[einet]

infile=c:\windows\einet.ini

Within the EINET.INI configuration file, you may configure various parameters controlling the behavior of EINet software. The following sections are defined within EINET.INI that pertain to the EINet winWAIS Application.

[wais]

[waisLaunch]

[waisLaunchKeys]

[waisAskWhenSaving]

[waisTransform]

[waisFileExtensions]

[waisAscii]



## **EINet winWAIS**

### **Wide Area Information Server Client for Windows**

With EINet winWAIS, you can search for and retrieve information distributed across TCP/IP networks such as EINet or the Internet. For authorized EINet services subscribers, EINet winWAIS has built-in security mechanisms permitting it to also gain access to secure EINet WAIS information sources. (You *must* be an authorized EINet subscriber in order to use the EINet security features.)

#### Information Queries

[Queries and Sources](#)

[Query Results](#)

[Relevance Feedback](#)

#### Editing User Preferences from winWAIS

[Edit Preferences](#)

#### Setup and Configuration

[Configuring winWAIS](#)

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## EINet winWAIS

### Document Viewer Launching - [waisFileExtensions]

The [waisFileExtensions] section declares the name mapping from WAIS data type name to a DOS file name extension. This information is used whenever documents of the specified WAIS type are retrieved.

Examples:

[waisFileExtensions]

TEXT=txt

WSRC=src

GIF=gif

JPEG=jpg

WAV=wav

LZHWAV=wa\_

AU=au

HCOM=hco

MID=mid

ZIP=zip

BMP=bmp

IMG=img

DIB=dib

JAS=jas

MAC=mac

MSP=msp

PCX=pcx

PIC=pic

PCT=pct

RAS=ras

RLE=rle

TGA=tga

TIF=tif

WPG=wpj

WINHELP=hlp

AMIPRO=sam

PICT=mb

...



## EINet winWAIS

### Document Viewer Launching - [waisTransform]

The [waisTransform] section specifies transformations that may take place when a document is retrieved. Based on the WAIS document type, winWAIS can transform files from one format into another. This is useful for file decompression and various other purposes. The syntax for items in this section is `{type}=[{filter},]{result_type}`. `{type}` is the WAIS document data type. At present, the only *filter* types supported are LZH, MACBIN, AU2WAV, and HCOM2WAV. The `{filter}` may be omitted, which indicates that one document type should be mapped to another. More transform filters will be added over time. As an example of this feature, LZH-compressed GIF files may be designated by a WAIS server as having a data type of LZHGIF. The winWAIS client may be configured to decompress such files as GIF files with the following [waisTransform] section. The decompressed files are then handled by winWAIS as if they were retrieved as GIF data type documents.

```
[waisTransform]
LZHGIF=LZH,GIF
LZHWAV=LZH,WAV
LZHMID=LZH,MID
PICT=MACBIN,PCT
AU=AU2WAV,WAV
HCOM=HCOM2WAV,WAV
SUMMARY=TEXT
...
```



## **EINet winWAIS**

### **Queries and Sources**

Queries are composed as keywords or phrases within "Tell Me About" text edit box. WAIS "**Sources**" are information providers distributed around the network as servers that are capable of responding to WAIS queries. These servers can return information in a wide range of formats including textual, graphical, and multimedia. Some information sources serve as repositories of descriptions of *other* sources on the network, basically pointing to other sources to which your winWAIS client may ask questions. A source of this type is typically called a "directory of servers."

You may **select sources** by issuing the "Edit - Sources Select" menu command and choosing the desired sources. After a question is composed and sources are selected, the "Ask" button may be chosen to send the query over the network and retrieve responses (answers) from the selected sources/servers. The combination of selected sources information and search keywords constitute a WAIS "**question**". The "File - New/Open/Save/Delete Question" commands are used for managing WAIS question information.

[Query Results](#)

[Relevance Feedback](#)



## EINet winWAIS

### Query Results

Once a query is made, winWAIS displays the results obtained from the selected sources. The results are shown in the "Information Found" list of pertinent documents, giving their title, size, and a rating or score indicating how well they match the query made. A "document" may be text, or it may be graphics, animations, recorded sound messages, music, spread sheets, descriptions of other WAIS source servers to query, executable applications, or data of most any other type. To retrieve a document, you may double-click on its name in the results list, or you may select it with the mouse and select the "View" or "Save" buttons. When you wish to view the retrieved data, WAIS launches the appropriate application for viewing data of that type.

If a query is made without any keywords, a server may return a "catalog" document. winWAIS will attempt to read this document and show it as a list of candidate documents. In a few cases, retrieval of documents listed in a source's catalog may fail. If this happens, you will need to only use keyword searches with that source.

[Relevance Feedback](#)





## **EINet winWAIS Relevance Feedback**

When making queries for information matching specific keywords, the initial results presented in the "Information Found" list identify documents containing occurrences of the keywords. Their score is determined by how often the keywords appear within the document. If you select one of the documents in the list and choose the "Relevance Feedback - Add Ref" button, then subsequent queries will be further restricted by attempting to match words found in the referenced "Similar to" documents as well as the keywords. This is known as relevance feedback. When viewing retrieved text files with the winWAIS internal text file viewer, you may also select specific lines of the document with the mouse and choose the "Edit - Mark Lines for Relevance Feedback" command for more specific relevance feedback.



## **EINet winWAIS**

### **Edit Preferences**

The Edit Preferences dialog is used for modifying certain winWAIS parameters that control the application's behavior.

#### **Max Docs to Retrieve**

This parameter limits the maximum number of documents that are listed as matching a given query in the "Information Found" section of the winWAIS window. If a source's catalog of documents is retrieved, the number of documents listed is also limited by this maximum value.

#### **Temp File Directory**

This designates the default directory for temporarily storing documents that are retrieved by winWAIS. When a document is retrieved, it is always placed in this temporary directory. If you indicate that the file is to be "saved" with winWAIS, then it will be copied into the directory of your choosing, designated by the "File Save Directory." For the temporary file directory, you might choose to use the Windows temporary directory (typically C:\WINDOWS\TEMP) or you might use a RAM disk emulator (such as RAMDRIVE). This parameter is specified in the EINET.INI file as the tempDir.

#### **File Save Directory**

This parameter specifies the default directory for files that you choose to save when a document is retrieved. In contrast, files in the temporary file directory may be deleted, but files that are "saved" are usually intended to be kept and thus are copied to another location. This parameter is specified in the EINET.INI file as saveDir.

#### **Question Directory**

This parameter specifies the directory in which winWAIS searches for question files. This parameter is specified in the EINET.INI file as questionDir.

#### **Default Question File**

This designates a question file that is to be loaded at program startup to set the initial question keywords and selected source(s). When a default question file is specified, the default source value (see below) is ignored. If winWAIS is started with a name of a question file passed as a command line argument, it will use that file as the default question file. This default question file is specified in the EINET.INI file as defaultQuestionFile. winWAIS looks for question files in the directory specified in the "Question Directory".

#### **Default Source**

This designates the default WAIS source to be selected at program startup (if no default question file is specified). This is specified in the EINET.INI file as defaultSource.

#### **Copy File to "Save Directory" before launching viewer**

This "check box" indicates whether retrieved files are to be automatically saved to the

"file save directory". This parameter is specified in the EINET.INI file as autoSave.

#### Don't overwrite existing files (save with a Unique name)

This controls the use of enforced unique file naming whenever files are saved. This parameter is specified in the EINET.INI file as alwaysSaveUnique.

#### Auto Browse Mode

This controls the behavior of winWAIS when a WAIS source description is retrieved by the user. If "auto browse mode" is selected, winWAIS automatically saves that source description locally, selects that source, and re-issues the query (using the same keywords) to that new WAIS source. This parameter is specified in the EINET.INI file as autoBrowseMode.

#### Delete files from "Temp File Directory" on exit

This designates whether winWAIS is to automatically delete all files in the "Temp File Directory" upon program exit. This parameter is specified in the EINET.INI file as autoDeleteTemp.

#### Auto Highlight first search keyword in retrieved document

This designates whether winWAIS should automatically highlight the first occurrence of a search keyword in a text document viewed by the internal text viewer. This parameter is specified in the EINET.INI file as autoHighlightKeyword.



## EINet winWAIS

### Text Viewer

Documents containing plain text (ASCII) may be viewed by winWAIS's internal text viewer or winWAIS can launch any other Windows-based text viewer. If you would like to configure winWAIS to view text files with an external editor or viewer, see the [Document Viewer Launching](#) help section.

The following commands are supported by the internal winWAIS text viewer. This viewer may view text files of any size.

#### File - Save

The Text Viewer can save the file that you are viewing under a different name. If unique file naming is being enforced, the file is saved when this command is issued using a default name that is generated to ensure uniqueness in the winWAIS "file save directory".

#### File - Print

This prints the file being viewed.

#### File - Printer Setup Font

This presents a font selection dialog for choosing the font to be used for printing.

#### File - Exit

This exits the text viewer.

#### Edit - Copy Text

This command copies the currently selected lines of text to the Windows clipboard.

#### Edit - Relevance Feedback - Entire File

This command is used for designating the entire file for [relevance feedback](#) for subsequent queries.

#### Edit - Relevance Feedback - Selected Lines

This command marks the currently selected lines of text for [relevance feedback](#) for subsequent queries.

#### Edit - Font Preferences

This command allows you to change the font used in viewing text with the internal winWAIS text viewer.

#### Search - Find

This command searches for occurrences of a specified text string or the previous query's keyword(s) within the currently viewed file.

#### Search - Find Next

This command searches for next occurrence of the current search string.





## EINet winWAIS

### Document Viewer Launching - [waisAskWhenSaving]

When retrieving documents with winWAIS, files are saved locally prior to launching any viewer applications. With some file types, you may care about the file name and directory used for saving the retrieved file. With other file types, this may not matter to you. In order to specify whether or not winWAIS is to ask you to confirm or change the retrieved files name and directory, the [waisAskWhenSaving] is used. Specify a WAIS data type and a value of 0 or 1. Zero (0) indicates that winWAIS should not ask the user for the file name to use. One (1) indicates that winWAIS should ask the user.

[waisAskWhenSaving]

WINEXE=0

GIF=0



## **EINet winWAIS**

### **Document Viewer Launching - [waisAscii]**

Documents are retrieved by EINet winWAIS as either binary data or as ASCII text files. When transferring files between various host computer operating systems, it is necessary to designate which file data types represent ASCII text. This is because operating system conventions differ for placing "carriage return" and "line feed" characters within ASCII text files. File types that are not designated as ASCII will be treated as binary files.

[waisAscii]

TEXT=1

WSRC=1

