WPMPRT
WordPerfect 5.1 Macro Printing Utility Version 1.1
User Documentation

Introduction

WPMPRT is a utility program written to translate the contents of WordPerfect 5.1 macro files (*.wpm) to their ASCII representations so that they may be printed, displayed on the screen, incorporated into word processing files or treated in a manner that any ASCII text file may be used.

Files Included in the WPMPRT11.ZIP Package

The following files are included in the WPMPRT11.ZIP package:

FILE NAME	DESCRIPTION
HISTORY.DOC	program version history
README.PDF	the licensing agreement
WPMPRT.PDF	the WPMPRT user manual
WPMPRT.EXE	the WPMPRT program
WPMPRT.WPM	macro to re-compose characters
WPMPRT.TXT	sample text file produced from WPMPRT-ing the WPMPRT.WPM macro file
T1.WPM	sample macro to create an ASCII character table
T1.TXT	sample text file produced from WPMPRT-ing the T1.WPM macro file

The WPMPRT.EXE Command Line

C:> WPMPRT [-q] [-sNN] [-mNN] [-o filename] filelist

Arguments

The following options may be entered in either upper or lower case letters.

ARGUMENT	DESCRIPTION
-q	Quiet mode. Suppresses printing of the activity report on the screen.
-sNN	Inter-listing spacing. Omit for page breaks. NN>0 to suppress page breaks and leave NN spaces between listings in a single output file.A single input file name or list of input file names.
-mNN	Left Margin spacing. NN is the number of spaces that are desired for a left margin. The default is 8.
-o filename	Directs listings of all input files to the single specified output file.
filelist	A single input file name or list of input file names.

Output File Specification

If an output file is not specified with the -o option, a separate output file will be created for each input file specified in the filelist. Each created output file will have a file extension of .TXT.

If an output filename is provided, ALL input file listings will be printed to this one output file. By default, listings in this file are separated from each other by page breaks. You may suppress these page breaks by setting the -s option where NN will be the number of blank lines that will be left between listings within the output file. A fully qualified output file name may be provided if the output file is to be written to a directory other than the current default directory.

If the output file is to be printed and stored in a binder, you may specify a margin setting. This margin setting is an integer number stating the number of spaces that are to be entered at the beginning of each output line as a margin. The default is 8 spaces.

Input File Specification

You may specify a single input file name or a list of file names as the filelist argument. Each input file will be processed sequentially. You may use wildcard names to specify the list of input files. A fully qualified file name should be specified if the input file resides in a directory other than the current directory. You need not specify an extension on the input file name since the WPMPRT program will assume that all input files have an extension of .WPM. File extensions will be ignored for input files.

Syntax Examples

WPMPRT c:\wp51\altx.wpm will create an output ASCII text file named 'C:\WP51\ALTX.TXT' (default output file name) from the specified input file name 'C:\WP51\ALTX.WPM'.

WPMPRT -ob:macro.asc c:\wp51\altr.wpm will create the specified output ASCII text file named 'MACRO.ASC' on the B: drive. The specified input file 'c:\WP51\ALTR.WPM' will be processed.

WPMPRT -o c:\mac_asc\example.xxx c:\wp51\proof1 will create an output ASCII text file named 'EXAMPLE.XXX' in the pre-created 'MAC_ASC' directory on the C: drive. The input file is the C:\WP51\PROOF1.WPM file.

WPMPRT -omacros.txt c:\macros*.wpm will create a single output ASCII text file named 'MACROS.TXT' in the current directory. All .WPM macros files in the 'C:\MACROS\' directory will be printed in this output file.

WPMPRT c:\macros*.* will print ALL WordPerfect macro files in the 'C:\MACROS' directory. Non-macro files will not be printed. Each file will be printed to a separate, corresponding output file. Each output file will default to the same file name as the input file with the extension of .TXT.

WPMPRT -q -o a:\wp51\macros\output.asc *.wpm will print ALL WordPerfect macro files in the current directory to the specified output file on drive A:. All status messages will be suppressed.

WPMPRT -s3 c:\macros*. will print ALL WordPerfect macro files in the 'C:\MACROS' directory to multiple output files. Page breaks between listings will be replaced by 3 blank lines.

WPMPRT -m 5 will print ALL WordPerfect macro files in the current default directory to a multiple output file. The left margin will be set to 3 spaces (instead of the default of 8).

Status Messages

As each WordPerfect macro file is translated and printed, a status message is printed on stdout (usually the screen) indicating the name of the input file and the name of the output file to which the translated output is written. The printing of these status messages may be suppressed by specifying the -q option (Quiet mode) on the command line.

Error/Warning Messages

The following error or warning messages may appear during the execution of the WPMPRT program. Distinct return codes are set for each error. Errors will terminate the execution of the WPMPRT program immediately. Warnings will allow the program to continue but the warning message will print along with Status Messages on the standard output device.

Return Code Message

201 [Usage:] ... no arguments are provided in the call to the WPMPRT program. You must provide at least the input file name.

202 ERROR: Output file name not specified. the -o option was specified but no file name was provided.

203 ERROR: Can't open output file <filename.ext>. the program tried to open the output file. Check for sufficient disk space or a non- existent/invalid path name.

204 ERROR: Can't find or open input file <filename.ext>. the specified input file does not exist.

205 ERROR: Input file not specified. at least one input file name has not been provided as an argument to the program.

206 ERROR: Unknown code in macro file. the WPMPRT program detected an unknown code in the specified macro file. Ensure that the macro file is a valid WordPerfect macro file.

100 WARNING: Invalid option <-*>. Option ignored. an option other than o, s or q has been entered as an argument for the WPMPRT program.

100 WARNING: Invalid line spacing number specified. Using page breaks. the number entered for the -s option as an argument was invalid.

100 WARNING: No files found for <filename.ext>. usually seen if the file name specified uses the wildcard feature and no files were found when the wildcard was expanded.

100 WARNING: Unknown KEY MACRO code. Noted as {*KEY*}. during macro translation, a KEY macro command was detected but the exact command was not known.

100 WARNING: Unknown ALT MACRO code. Noted as {*ALT*}. during macro translation, an ALT macro command was detected but the exact command was not known.

100 WARNING: Unknown VAR MACRO code. Noted as {*VAR*}. during macro translation, a VAR macro command was detected but the exact command was not known.

Contents of Output Files

Each output file contains the following information:

- FILE: the path/filename.extension of the input file as it appears in the argument list.
- HEADING: the WordPerfect macro heading.

WordPerfect Composed Characters in Macros

WordPerfect provides the ability to create a user-defined character set in which you assign the characters with the Printer Definition Program (see the Appendix - Printer Program in the WordPerfect documentation). Other character sets are also available (13 in total) from which you may select specific characters (see the Appendix - WordPerfect Characters in the WordPerfect documentation). These characters are selected using the 'Compose' command of WordPerfect (see the Compose command in the WordPerfect documentation).

The Compose command specifies the character set number (0 to 12) and a character number from within that character set. WordPerfect indicates the composed character within a macro using the following representation:

[char:charset,charnum]

where:

char is a representation of the character selected.
charset is the character set number from which the character has been selected.
charnum is the character number of the character in the character set.

In order to correctly document these composed characters, WPMPRT represents any composed character using this notation in the output file. The character represented is displayed as a blank in the output file. This is done since the video character set used by DOS may display differently than the one being used in WordPerfect which may be different than the one used by your printer. Using this convention, WPMPRT will produce an output file which displays the WordPerfect composition of special characters rather that the character itself.

Another consideration is the use of characters which are displayable on the video screen but which may mean something totally different if found within a disk file. For example, ASCII character 26 (composed character [:6,21]) displays as a right-pointing arrow when the macro is edited within the WordPerfect macro editor. When stored in a file, however, ASCII character 26 represents the ctrl-Z character which is an EOF character in DOS. It is evident that this character should not be stored in the output file.

Retrieving the Output File into WordPerfect

The created ASCII output files can be retrieved into WordPerfect in order to include the macro listing as part of a WordPerfect document. As a result, you will be able to use the printer definitions within WordPerfect to allow you to print the macro listing on your attached printer. This is especially valuable for output to either a postscript printer or to a printer which supports the character set(s) required to display any 'composed' characters which you may have used within you macro.

For example, your macro may prompt the user with:

Enter your name

where 'name' is followed by the composed character [:6,21] which is displayed on your monitor in WordPerfect as the right-pointing arrow. When WPMPRT produces the output file, this character is represented as '{[:6,21]}' (with a blank in place of the actual character). If your copy of WordPerfect has been set up to use an attached printer which will display this character, you may start WordPerfect and retrieve the output file into the current document. At this point, the character is still represented by '{[:6,21]}'.

In order to convert the character back and display it as a right- pointing arrow you should run the WPMPRT.WPM macro. This macro will convert all composed characters represented in this form back to the proper composed character. This macro allows you to employ and display user-defined characters (character set 12) that are used within your WordPerfect macro. Assuming that your printer will print such composed characters, you may then print the document (macro listing) on your printer and the correct characters will be displayed.

Contacting the Author

Les Dunn, the author of this package, passed away in 2005.