HyperAct, Inc. Products

 Thank you for using a HyperAct, Inc. product. This file provides information about HyperAct, Inc. products and services. The information described in this documented is updated to the following date : Oct. 31, 1994.

HyperAct, Inc. reserves the right to change the information included in this document. To get the latest information about a HyperAct, Inc. product or service, please contact one of the following contact addresses :

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HyperAct, Inc. products includes the following :

Hypertext and Hypermedia generation products
WinHelp enhancement products
Script Languages and interpreters
Programming Libraries

Hypertext and Hypermedia generation products

The Hypertext and Hypermedia generation products from HyperAct, Inc. include a set of tools that can generate to and convert from several popular hypertext and hypermedia formats on different operating systems and operating environments.

All the products described are available either separately, or with the HLPDK/PA product.

Please note that in the near future we will not be offering some of the conversion programs separately anymore.

Products :

HLPDK/PA - Multi-platform hypertext generation
HLPDK - The Help Development Kit
NewsDB - Usenet article database generator
RC -> HLPDK, Resource to Help template generator
WinHelp -> HLPDK Conversion product
Interrupt List -> HLPDK Conversion product
HLPDK System Extension Library
Misc HLPDK Conversion products

HLPDK/PA - Cross-platform hypertext generation

HLPDK Professional Author

The next generation of HLPDK, based on the proven HLPDK HDF language with an improved compiler. Includes the new HLPDK Editor - A Fast HLPDK Sensitive editor, that allows you to create and manage your HLPDK databases with a multiple window editor, fast search and replace, built in spell checker, quick topic verification, integrated database generator, built-in help compiler and hypermedia file management.

You have never been able to create HLPDK documents that easy!

A hyper-text help database development kit that includes 2 royalty free help engines, and a help compiler with a built in cross reference tool, supports creation of DOS help databases, popular source files, Windows (winHelp & Multimedia Viewer), OS/2 (IPF), WWW and DESQview/X help source files!. Creates text and word processors documents with automatic table of contents, glossary and index from the same source. Now with Multimedia support!   Write once, help many!

Features :
Topics, PopUps, Links, Keywords, Text Formats, Navigational and   Structural facilities, Target Code insertion, Multiple module files,   Automatic Pascal/C/C++ reference generation, Exception handling, Multiple file target databases, Graphics, Sound, Groups, Application Launch, Automatic exports creation, user defined link templates and more.

Targets :
Native(PX), Native(MEM), winHelp 3.0, winHelp 3.1, Multimedia Viewer, THELP, QuickHelp, TVHC, PopHelp, DESQview/X, OS/2, Text, Word Processors Documentation (Via RTF), Sony MM Player (Via MM Viewer),   World Wide Web HTML supported readers (Windows, Macintosh, UNIX-Motif, VMS and more).

Platforms :
Help Compilers are available for DOS, DPMI, Windows and OS/2 platforms.

Version : 12.2a (Builds on HLPDK - standard).

SRP : $299, Until Dec. 31 1994 - $149 only.

HLPDK - The Help Development Kit
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RC -> HLPDK, Resource to Help template generator
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HLPDK - The Help Development Kit (shareware)

HLPDK - Help Development Kit - Sound & Vision Edition.

A hypertext help database development kit that includes 2 royalty free help engines, and a help compiler with a built in cross reference tool, supports creation of DOS help databases, popular source files, Windows (winHelp & Multimedia Viewer), OS/2 (IPF), WWW and DESQview/X help source files!. Creates text and word processors documents with automatic table of contents, glossary and index from the same source. Now with Multimedia support!   Write once, help many!

Currently at version 11.5.

Features :
Topics, PopUps, Links, Keywords, Text Formats, Navigational and   Structural facilities, Target Code insertion, Multiple module files,   Automatic Pascal/C/C++ reference generation, Exception handling, Multiple file target databases, Graphics, Sound, Groups, Application Launch, Automatic exports creation, user defined link templates and more.

Targets :
Native(PX), Native(MEM), winHelp 3.0, winHelp 3.1, Multimedia Viewer, THELP, QuickHelp, TVHC, PopHelp, DESQview/X, OS/2, Text, Word Processors Documentation (Via RTF), Sony MM Player (Via MM Viewer),   World Wide Web HTML supported readers (Windows, Macintosh, UNIX-Motif, VMS and more).

Platforms :
Help Compilers are available for DOS, DPMI, Windows and OS/2 platforms.

Registration Fee : $50

HLPDK/PA - Multi-platform hypertext generation
NewsDB - Usenet article database generator
RC -> HLPDK, Resource to Help template generator
WinHelp -> HLPDK Conversion product
Interrupt List -> HLPDK Conversion product
HLPDK System Extension Library
Misc HLPDK Conversion products

NewsDB - Usenet article database generator

NewsDB - News Hypertext Database generator

The tool that allows you to enjoy "Other People's Wizdom" - Create sophisticated hypertext databases from Usenet News articles. A companion to HLPDK, allows you to store the news articles that are of value to you, with smart news groups directories, automatic keywords generation for fast search, user defined groups, automatic article association from articles textual information to user groups, Author directories and references, article references to other (previous) and from other (later) articles and more. Database can be compiled to all the targets supported by HLPDK, including Windows, OS/2, DOS (several targets), DESQview/X and documents. Can even handle non Usenet text articles, with user groups links as well.

Currently at version 1.1. (Included with HLPDK/PA).

Registration Fee : $40

HLPDK/PA - Multi-platform hypertext generation
HLPDK - The Help Development Kit

RC -> HLPDK, Resource to Help template generator (shareware)

RC2HDK - Help Template Generator from Resource files.

Generate Help Templates for Windows Programs from RC resource   description files. User's interaction with your application is done through the resources described in the RC file. With this tool, Your RC files are parsed, and a help template for your project is created.

All you need to do is feel in your application options specific help, compile, and go!

Currently at version 3.0. (Included with HLPDK/PA).

HLPDK/PA - Multi-platform hypertext generation
HLPDK - The Help Development Kit

WinHelp -> HLPDK Conversion product (shareware)

WH2HDK - winHelp -> HLPDK Conversion Tool.

With WH2HDK you can port your Windows Help Databases to other platforms such as OS/2, World Wide Web, DOS, DESQview/X and more. Use WH2HDK (with HLPDK) to save the additional investment required for multiple target development !

Now you can create your Help Databases in your favorite winHelp   authoring tool, and still benefit from HLPDK cross-platform portability, and enhanced navigation and code generation tools.

Currently at version 2.0. (Included with HLPDK/PA).

Notice - Version 2.0 which is a complete re-write is available only   as part of HLPDK/PA 12.2 and later. This version is about 40 times   faster, more accurate, can handle databases that V1.x can not handle,   and has support for user defined word wrap for long source   paragraphs.

<u>HLPDK/PA - Multi-platform hypertext generation</u>
<u>HLPDK - The Help Development Kit</u>

Interrupt List -> HLPDK Conversion product
il2HDK   Ralf Brown's Interrupt List to HLPDK converter.

Read the interrupt list and create HLPDK source with cross references and hierarchy navigation.

Currently at version 3.5 for DOS and OS/2. (Included with HLPDK/PA).

<u>HLPDK/PA - Multi-platform hypertext generation</u>
<u>HLPDK - The Help Development Kit</u>

HLPDK System Extension Library - freeware

HDKLIB - System Extension Library to HLPDK and HLPDK/PA.

The HLPDK System Extension Library adds functionality to HLPDK by including special "User Link Templates" to support special links, special graphics, enhanced text attributes etc. HDKLIB offers simple methods to create graphic and normal text links, 256 color bit map support, video, CDAudio, Multimedia MCI interface etc. winHelp users have access to the complete macro API, using !xxx user links. HDKLIB adds 68 new link types to the winHelp target, 77 to the MS multimedia Viewer target and 5 new RTF Word Processor link types. New links types are also added to the IPF and HTML targets.

Included with HLPDK V11.5 and HLPDK/PA.

HLPDK/PA - Multi-platform hypertext generation
HLPDK - The Help Development Kit

Misc. HLPDK Conversion products

Additional HLPDK related topics are available from HyperAct, Inc. or other sources.

NG2HDK   Norton Guides to HLPDK converter.

Currently at version 1.0. (Included with HLPDK/PA).

TPFHDK   Convert Timo Salmi's Pascal FAQ to HLPDK.

Currently at version 1.0. (Included with HLPDK/PA).

HPCHDK10.ZIP - HelpPC 2 HLPDK converter

POPHDK10.ZIP - POPHelp 2 HLPDK Converter

These tools are available for free to HLPDK registered users with the permission of Yaniv Golan, and are included with HLPDK/PA.

HLPDK/PA - Multi-platform hypertext generation
HLPDK - The Help Development Kit

WinHelp enhancement products

The WinHelp enhancement products from HyperAct, Inc. are products that extend the functionality of the WinHelp viewer (engine) and allow WinHelp titles to do more than what Standard WinHelp allows.

Currently, the only WinHelp enhancement product available from HyperAct, Inc. is the PASTERP Control for WinHelp product.

PASTERP Control for WinHelp

PASTERP Control for WinHelp

PASTERP Control for WinHelp (PC4WH)

A WinHelp extension DLL, based on the PASTERP Technology. With the PASTERP Control for WinHelp DLL WinHelp extensions can be written without creating custom DLLs.

PC4WH can trap WinHelp events, and respond to them via user   programmable procedures, The WinHelp macros are not limited to   255 characters, and can be used in complex logical structures that   are not available in the standard WinHelp macros, and the internal   WinHelp callback functions are exposed to be used without writing   custom DLLs.

Currently at version 1.0

SRP - $149.

 PASTERP Control for WinHelp Questions & Answers

PASTERP Control for WinHelp Questions & Answers

What is PASTERP Control for WinHelp ?

PASTERP Control for WinHelp is a WinHelp DLL extension that allows you to extend the power of your WinHelp documents without writing DLL's yourself.

How easy to use is PASTERP Control for WinHelp ?

To use PASTERP Control for WinHelp all you need to do is create a text file that will include your PASTERP routines, include it in the [BAGGAGE] part of your document's project (HPJ) file, and register 2 routines in the [CONGIF] section of your project file.

What benefits PASTERP Control for WinHelp brings ?

- Execute WinHelp macros that are not limited to 255 characters.
- Use a structured language to activate WinHelp macros, no more need to write and maintain macros within macros within macros.
- Expose and use the WinHelp internal extension functions from within your WinHelp documents.
- Automatically trap WinHelp and User events, and activate your procedures to control them.
- No need for learn DLL programming, struggle with C compilers, DEF files etc. ..

What is PASTERP ?

PASTERP is a Pascal-Like interpreted language developed by HyperAct, Inc. as an Application Extension Language. PASTERP's modular and extendible structure allows both application programmers and users to add features to the PASTERP language, and extend the applications they are writing/using.

How does PASTERP Control for WinHelp work ?

PASTERP Control for WinHelp is a PASTERP implementation that hooks into the WinHelp document you develop, automatically monitor's WinHelp events, and activates special named procedures supplied by you to trap these events and handle them according to your needs.

WinHelp documents that use PASTERP Control for WinHelp can also call a PASTERP routine that you write from anywhere you can call a WinHelp macro, and this routine, can call and execute all of the WinHelp standard macros without being limited to WinHelp size restrictions, and can also call the WinHelp "Callback" internal functions API.

How does a PASTERP extension file look like ?

The following is a PASTERP Control for WinHelp file that can be added to a WinHelp document, and will provide monitoring information of the WinHelp session :

```
procedure handleActivate;
begin
        if (wh_gainFocus) then
                writeln(out, 'Gaining Focus ..')
        else
                writeln(out, 'Losing Focus ..')
        endif
endproc

procedure handleStartJump
begin
```

```
        writeln(out, 'Starting a Jump process .. ')
endproc

procedure handleEndJump
begin
        writeln(out, 'Finished Jump to offset ', wh_fileOffset : 0,
                ' Scroller Position ', wh_scrollBoxPos);
endproc

procedure handleChangeFile
begin
        writeln(out, 'Help File Changed to ', wh_helpFile);
endproc

procedure handleMinMax
begin
        if (wh_maximize) then
                writeln(out, 'Help Window Maximized')
        else
                writeln(out, 'Help Window Minimized');
        endif
endproc

procedure handleSize
begin
        writeln(out, 'Window Size changed to ', wh_width : 0, ' on ',
                wh_height : 0);
endproc

procedure autoStart;
global
        out : text = 'c:\winhelp.log';
endvar
        rewrite(out);
endproc

procedure autoEnd;
        close(out);
        messageBox('Log created in C:\WINHELP.LOG', 'Monitor Message',
                        mb_iconInformation + mb_ok);
endproc

procedure pressMe
begin
        winhelpErrorMsg('Something is happening here !');
endproc


procedure activateMacro
begin
        macAnnotate;
endproc;
```

The above file will automatically call the "autoStart" procedure when the WinHelp document will be

displayed. A log file will be created in the root of drive C:\ as winhelp.log. (Notice that this is just an example of something you can do in the "autoStart" procedure).

When ever the following WinHelp events happen the following procedures will automatically be called :

When WinHelp is gaining or losing focus, the "handleActivate" procedure will be called.

When The user pressed on a link, the "handleStartJump will be called before the jump happened, and the "handleEndJump" will be called after the jump happened.

The "handleChangeFile" procedure will be called when a new WinHelp .HLP file is loaded by the user or a link the user has clicked.

The "handleMinMax" procedure is called when the user minimize or maximize the WinHelp window.

The "handleSize" procedure is automatically activated when the user or a link change the size of the WinHelp window.

In the example above, when the WinHelp program is closed, the "autoEnd" procedure will be activated, and in this example it will close the log file we have been updating in the "handleXXX" procedures. The "autoEnd" procedure in the example will also display a message that tells the user where the log has been created.

In the above example 2 more procedures are defined - The "PressMe" procedure demonstrates calling one of the internal Callback functions, and the "activateMacro" procedure demonstrates calling one of the standard WinHelp macros.

What WinHelp macros are supported by PASTERP Control for WinHelp ?

All the standard WinHelp macros are supported, unless there is a better construct in the PASTERP language to handle the same task. In the PASTERP Control for WinHelp macros have the same name as the WinHelp name, but with the prefix "mac" that distinguishes them from other PASTERP Control for Windows procedures and functions.

```
From now on you can do :
procedure defineMyButton
begin
  if (macIsMark('myMark')) then
    macCreateButton("but1", "&Press Here", "JI(`myfile.hlp', `top1')")
  else
    macCreateButton("but1", "&Press Here", "JI(`myfile.hlp', `top2')")
  endif
endproc
```

```
instead of :
IfThenElse(IsMark(`MyMark'),`CreateButton(`but1', `&Press Here', `JI(`myfile.hlp',
`top1')',`CreateButton(`but1', `&Press Here', `JI(`myfile.hlp', `top2')')
```

BTW - Try to translate the following PASTERP code to standard WinHelp macros :

```
procedure moreComplexDemo
begin
  if (macIsMark('BeenHere')) then
        messageBox('You have already seen this topic!',
                'Activation Error',
                mb_ok + mb_iconExclamation);
```

```
            macJumpId(wh_fileName, "ErrorTopic")
    else
            macSetMark('BeenHere');
            switch topicsRead
               case 10 :
                  messageBox('5 more topics to read!', 'Message',
                                 mb_ok + mb_iconInformation);
               endcase;
               case 15 :
                  messageBox('You read it all!', 'Congratulations!',
                                 mb_ok + mb_iconInformation);
                  macExit;
               endcase;
            endswitch
    endif
    inc(topicsRead);
endproc
```

PASTERP Control for WinHelp

Script language and interpreter

The script languages products from HyperAct, Inc. allow you to enhance your application using an application "macro" language interpreter that you connect to your application. Your users can now extend and customize the functionality of your application.

HyperAct, Inc. provides 2 language interpreters. A simple to use mathematical expression interpreter with a dynamic and symbolic variables table, and a full featured Pascal - like language.

PASTERP - Pascal-Like Interpreter
Parser/TP - Math expression interpreter

PASTERP - Pascal-Like Interpreter

PASTERP

Pascal-like interpreted application extension language, with an embedding interface to C++ and Borland Pascal programs. Now you can enhance your applications by providing an easy to use and powerful extension language to your projects.

The language parsed by the interpreter is a subset of Pascal, with syntax enhancements that make it easier to read. In most of the constructs the PASTERP language is also more forgiving than Pascal.

Available for DOS, DPMI, Windows (BPW) and Windows (DLL). Source code can also be purchased.

The package includes both the Object version and the DLL version, Object Oriented frameworks for the DLL version, Support for   Dynamic functions, and an extendible architecture.

For a limited time, the Universal Directory Handler - a unique file and directory management tool, that is based on PASTERP technology is included with the package. The Universal Directory Handler source code is included for no additional charge!

Currently at version 2.0.

SRP : $350

Special Promotion Price Until Dec. 31, 1994 : $200

Source code is available separately for $995.

Script language and interpreter
PASTERP Control for WinHelp

Parser/TP - Math expression interpreter (shareware)

Parser/TP

Parser/TP is a recursive decent expression parser library for Turbo Pascal, Borland Pascal, C++ and Visual Basic. The library includes the 5 basic math. operators (+ - * / ^), and some basic mathematical functions (sin, exp, cos, ln, log10, log2, abs, arctan, sqr, round, sqrt, tan, cotan, arcsin, arccos, trunc) and 2 constants (pi, e).

Parser can be used to receive formula input from the user, and perform the necessary calculations during program runtime.

Parser/TP supports a dynamic symbol table, that is created and maintained during the parser's execution. New variables are created when they are referenced for the first time, and receive the initial value of 0.0 .

Variables values can be set by using the = operator
(e.g. myvar = sin(anotherVar)*35), and used in user formulas.

Parser/TP is a quick and easy way to create math support for spreadsheets, graphic and math products, calculators and more.

Windows/DOS Developer's Journal described Parser/TP as "supplies an extra piece of functionality that seems to be missing from most procedural languages ... It is small and gets the job done .. It's functionality fits the bill for the vast majority of applications" (Vol 5. No. 8, August 1994).

Currently at version 3.0.

Registration Fee - $40

Programming Libraries

The programming libraries products from HyperAct, Inc. include specialized functionality code collections that help programmers to write applications faster and with easier.

The only programming language offered by HyperAct, Inc. at the moment is the XSpawn Library.

Universal Synchronized Spawn for Windows

XSpawn - Universal Synchronized Spawn for Wi

The XSpawn library replaces the Windows WinExec function with a set of
functions that allow you to :

* Detect when the spawned program terminates
* Detect what was the exit code of spawned program
* Automatically support synchornized spawning under WIN-OS/2 and Windows NT
* Detect termination and exit code of OS/2 and Win32 applications as well

This functionality is accessed through a simple API - no VxD, no callbacks, no black magic!

Using XSpawn can be as simple as :

```
DWORD hExec;
WXSpawn("\\WINDOWS\\NOTEPAD.EXE", NULL, NULL, 0, SW_SHOW, &hExec);
WXWait(hExec, NULL, NULL);
```

When you do need the finer control - it's there. Manual status
polling, operating system (Windows, OS/2 or Windows NT) detection,
executable type (DOS, Windows 3.X, OS/2, Win32) detection and more.

XSpawn is shipped with header files and example programs for C & C++,
Borland Pascal and Visual Basic. XSpawn can be used by any language capable of using a DLL.

No other solution works so reliably across such a range of platforms! Don't wait for your users to report
the GPFs - Order XSpawn today!