

HTBasic for Windows Release Notes
Release 9.4
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This file contains information regarding changes and additions that have been made since the last release of HTBasic.

ENHANCEMENTS:
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New USB Sicl driver called the "USBS" driver has been added to support USBTMC and USBTMC-USB488 Devices.

A new exported function called "PutBufferByLen" has been added to the exports.h file. This function allows the user to put data into an HTBasic buffer that is not null terminated, and is limited simply by the length passed in.

The GOTO dialog box under the Search Option now shows a list of all the defined Labels when the Label radio button is checked. Previously only the Sub and FN options brought up a list.

There is now an option found under "Options\Run Environment" called Hide Csub Body that allows you to hide the "*" characters that replace program lines when a CSUB is loaded. You can also hide and unhide the "*" characters from the command line using CONFIGURE SYSTEM ("HIDE CSUB BODY") and CONFIGURE SYSTEM ("SHOW CSUB BODY").

The default dimension for an HTBasic string has been enlarged to 255 characters. Previously it was set to 18 characters.

The "HTBClipboard" DLL has been added to the DLL Toolkit. This DLL allows the user to put text on the Windows clipboard, and get text from the Windows clipboard.

A new exported function called "SetExportFunction" has been added to the exports.h file. This function allows the user to provide functions in their DLL's that will serve as event handlers for several HTBasic events. These events are: L_BTN_DOWN, L_BTN_UP, R_BTN_DOWN, R_BTN_UP, M_BTN_DOWN, M_BTN_UP, CLEAR_SCREEN, and OnDraw.

New, more stable TCP/IP DLL Samples have been added to the DLL Toolkit.

A new DLL called the "BasicEvents" DLL has been added to the DLL Toolkit under the HTBEvents folder. This dll shows how to use the newly added "SetExportFunction" exported function.

FIXES:
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HTBasic no longer freezes when opening the GOTO dialog with an empty project.

Error 19 is now generated when using the SERIAL driver and attempting to set a custom baud rate that is not supported by the system. Previously no error was generated, although the baud rate was never committed, and the driver would no longer behave correctly.

Several items were added to the Reset Utility that was new to version 9.3. A warning is now displayed if any versions of HTBasic are currently open or running. Keyboard shortcuts are now available and displayed after pressing the ALT key. To exit the utility there is now an exit or close buttons (X) instead of an "OK" button.

The options found in the "Run Environment" now correctly remain checked or unchecked even after HTBasic has been closed and reopened. Previously after closing HTBasic the "Run Environment" would come up using defaults.

The RETURN option in the ASSIGN statement now correctly returns an error to the specified variable in all cases. Previously when using FORMAT LSB FIRST or any other option before the RETURN option, the RETURN option was ignored.

The HTB Mail DLL Sample now correctly sends the body of the e-mail. Previously too many parameters were being used and the body was not being sent.

Using LONGs in conjunction with the Secure Utility no longer generates error 1. Previously setting the size of a LONG between 60,000 and 130,000 would cause an error to occur.

HTBasic no longer generates a windows error message when using "Find" and then "Replace All".

The HTBFileopen DLL now allows more than 20 files to be returned. Previously no more than 20 files were returned no matter how many were selected.

ENTERing from a string into a LONG variable no longer generates an error. Previously error 159 "Numeric data not received" occurred.

The wrong error is no longer generated when trying to write to a file that is readable but not writeable. Previously Error 19 was generated when it should be error 183. This only occurred on a Linux or HP-UX Server.

The EOF position is now correctly read and written to a BDAT file. Previously HTBasic for windows just used the size of the file to find the EOF position, but when using BDAT files created on old workstations, this caused invalid results.

Correcting syntax errors now correctly clears the error flag. Previously after correcting a syntax error, there were times where HTBasic would still report that there were errors, and would not allow the program to be run.

The EXECUTE command now correctly checks the OS to determine how many characters to allow. On 98/ME it is still limited to a total length of 127 characters, but on NT based systems it now allows 2045 characters.

ENABLE INTR for the SERIAL driver now correctly enables only the specified interrupts. Previously no matter which interrupt was specified to be enabled, they would all end up enabled.

STATUS 10 for the SERIAL driver now correctly displays that a BREAK was detected. Previously when interrupted by a BREAK, STATUS 10 did not correctly show that it was a break that caused the interrupt.

STATUS 9 for the SERIAL driver now returns a valid value as described in the reference manual. Previously it was hard coded to return 0.

The HTBasic Reset Utility now shows Runtime Versions of HTBasic.

The HTBasic Reset Utility no longer displays an error when no HTBasic versions were found. Previously an error message would be displayed.

The HTBasic Reset utility has now been changed to allow versions of HTBasic greater than 9.3 to be reset.

The HPIBS Driver has been updated to support being interrupted by the CLEAR/IO, Basic Reset, and Pause functions when using the Agilent 82350 PCI-GPIB card. Previously HTBasic would appear to hang when communication was not working and when trying to use the above mentioned functions. Note: This fix applies only to the 82350 PCI-GPIB cards. Any other interface that uses the HPIBS driver will function as the driver did previously.

Keyboard shortcuts have been added to the Loadsub utility.

HTBASIC HELP FIXES:
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Error 313 "Receive Buffer Overflow" is now listed in the Help file.

Error 731 has been added to the help file.

Error 1111, "Invalid Calling Convention" has been added to the Help file.

The Advanced Math Library and Secure Utility help files are now included in the HTBasic Help file.

The "View Example" links now work in the HTBasic Help file. Previously they would bring up an empty dialog.

The HTBasic Help file welcome screen has been updated to show all 9 manuals that are now included in the HTBasic help files.

The CONFIGURE SYSTEM("WINPRINT COLOR ON/OFF"), CONFIGURE SYSTEM("HPSKIP ON/OFF"), and CONFIGURE SYSTEM("GLOAD UP/DOWN") commands have been added to the Reference Manual in the HTBasic Help files. These commands were implemented in previous versions of HTBasic, but never added to the help files.

KBD control register 16 has been updated in the HTBasic Users Guide to show the option to disable scroll keys, but allow scroll keys to trigger ON KBD events. This new option was added to HTBasic in version 9.2.

Control Register 160 was added to the Installing and Using manual, chapter 6, under the WIN-PRINT control registers. This register allows the toggling on and off of PPA Printer support.

The serial status register 102 has been added to the Users Guide, chapter 9. This register allows returning the com port a particular ISC has been assigned to.

The SYSTEM\$("PRINTER NAME") option has been added to the Reference Manual, chapter 4. This option returns the description of the driver currently assigned to the PRINTER IS Device.

KBD Control register 211 has been added to chapter 6 of the HTBasic Users Guide.

This register allows for programmatic control of the NUM LOCK key.

CONFIGURE LONGCATDATS ON|OFF and CONFIGURE ERRORSINMSGBOX ON|OFF have been added to the HTBasic Reference Guide.

The FOCUS attribute was added to the String Widget in the Basic Plus manual.

GESCAPE CRT,51, GESCAPE CRT,64, AND GESCAPE CRT,65 have been added to the HTBasic Reference Manual.

The Big Numbering attribute of the Stripchart widget and XY Graph Widget has been updated to correctly show that it does nothing, but is only available for backwards compatibility.

The "SYSTEM CLOSE" Event has been added to the event list of the Basic Plus System Widget in the Basic Plus manual.

New to the HTBasic Install CD:

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MS Office Interface 2.0 Demo Version by Tech Soft.