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HOLTEK Programming Environment (HOPE3000) Release History  
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Ver3.6(2023/11/4)

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1. Support new ICs programming.

Ver3.5(2023/5/8)

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1. Fix a bug while using the Dos Command mode.
2. Update pictures of e-Socket.
3. Add a prompt message while saving a read-only programming file.

Ver3.4(2022/7/18)

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1. Revise the version to V3.4.
2. Support new ICs programming.
3. Optimize Smart Programming Function.

Ver3.32(2021/10/14)

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1. Update user's guides.

Ver3.31(2021/4/26)

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1. Remove the Active Writer function.

Ver3.30(2021/1/11)

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1. Fix some problems while using the User Specified Data.

Ver3.29(2020/5/3)

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1. Support new ICs programming.
2. Update HT68FB541 and HT68FB571 bootloaders.
3. Add to show the programming voltage.

Ver3.28(2019/10/9)

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1. Support new ICs programming.
2. Add to support HT68FB571 bootloader programming.
3. Update user's guides.

Ver3.27(2019/3/8)

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1. Support new ICs programming.
2. Add a new command for Dos Command Mode.

Ver3.26(2019/1/2)

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1. Support new programmer Gang-Writer8-8.
2. Support new ICs programming.

Ver3.25(2018/11/2)

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1. Optimize the prompt messages.
2. Support new ICs programming.
3. Modify a problem while "Identification Code Setting" is empty.

Ver3.24(2018/06/15)

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1. Fix a bug while opening a MTP that the format is broken.
2. Fix a bug while programming HT46R005.
3. Add a new version checking mechanism.

Ver3.23(2017/11/2)

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1. Add to support HT68F001 programming.

Ver3.22(2017/8/4)

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1. Add a new buzzer mode.
2. Fix some problems while using the User Specified Data.
3. Fix a bug while using BC85C20-3 by the e-Socket ESKT16NSOPC.

Ver3.21(2017/5/3)

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1. Update 8-bit MCU Bootloader to V5.0.

Ver3.20(2017/1/4)

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1. Modify the F/W update fail problems.
2. Support the new IC BC45F0020 programming.
3. Modify parts of the "Smart Programming" setting error problems.
4. Modify parts of the "User Specified Data" programming fail problems.

Ver3.19(2016/11/10)

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1. Modify the ICP 3V programming problem.

Ver3.18(2016/8/30)

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1. Supports programming for the following devices:  
HT66FB572/HT66FB574/HT66FB576/HT66FB582  
HT66F4390/HT66F4380  
HT45F4830/HT45F0018  
BC68F2130/BC68F2140

Ver3.17(2016/6/24)

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1. Fix the Bootloader malfunction while saving the file for USB Interface MCU series ICs.
2. Fix a problem that the Verify code will be calculated incorrectly for USB Interface MCU series ICs.

Ver3.16(2016/1/28)

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1. Add to support HT66F0186 programming.

Ver3.15(2015/11/16)

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- 1.An "IC parameter area format is incorrect!" message has been added
- 2.Provide a warning message if the partial programming range is invalid
- 3.Simplify the e-WriterPro registration process

Ver3.14(2015/09/10)

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- 1.Add the start up splash screen
- 2.Fix the programming problem caused by the ISP update function for the USB 8-bit MCU
- 3.Simplify the e-WriterPro registration process

Ver3.13(2015/07/08)

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- 1.Fixed the bug where a programming fail is generated for the USB 8-bit MCU with ISP bootloader function

Ver3.12(2015/06/02)

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- 1.Improve the performance of the WCMD-A to reduce programming time
- 2.New support for a function whereby some flash MCUs can be programmed at 3 volts using ICP programming.

Ver3.11(2015/03/18)

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- 1.Fix the situations where some prompt messages were garbled in the Chinese environment.
- 2.Fix the system crash situations which occurred when executing some commands in the DOS command mode.
- 3.Add setup options for the LCM simple mode.
- 4.Add a prompt message when the Partial Lock section is blank.
- 5.Solve the buzzer volume setup problem.
- 6.Modify the "Read locked IC's checksum" procedure to avoid a Writer "No Auto Setting" prompt message.
- 7.Adjust the HT6XF002/HT6XF003/H66F004 programming sequences to enhance the programming stability.

Ver3.10(2014/08/11)

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1. Improve the "select IC package" method.
2. Improve the HOPE3000 Smart Programming SN programming function :  
Now supports programming of the SN sequence number data into the EEDATA  
Now supports "N+X" and "N-X" seed formulas
3. New function for partial MXIC/SST SPI flash (Voice data) programming.
4. New function to check the "Read Locked IC checksum" format to prevent misreading of data.
5. Open the User Specified Data in Smart Programming for the USB interface MCU series.
6. Add an Online Registration function for the Writer.

Ver3.09(2013/06/25)

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1. Add to support "Console Mode" on Dos Command Mode.
2. Add to support HT68FB240 bootloader programming.
3. Update the bootloader file version to V0140.
4. Now when opening a programming file generated from non-HT-IDE3000, HOPE3000 will warn you on some conditions.
5. Now when changing the counting option on "Checksum" section of main window, it downloads automatically.
6. On User Specified Data function, the default value of "Check Empty" is now enable.
7. Add the mechanism "Prevent user from locking an empty IC" on Smart Programming Mode.
8. Fix the bug that the error "Option 0014H verify or program failed" sometimes occurs when programming.
9. Fix the bug that after specifying the directory of Option Viewer, HOPE3000 still can not find the directory when starting Option Viewer.
10. Fix the bug that the showed, locked region is incorrect by reading back the partial-locked IC(for MCU with bootloader).
11. Fix the bug that sometimes updating LCD firmware fails.
12. Fix the bug that after downloading a programming file with bootloader, if you upload now, HOPE3000 will remove the bootloader from the programming file.
13. Now display ICP pin figure when the selected package is ICP on "Select IC Package" window.
14. Remove the check window "HIRC Trimming voltage and frequency" popped before downloading a programming file. Now these information shows on Message Window.
15. Update the Driver File (Date Ver: 20130625).
16. Update e-WriterPro F/W to V010B.
17. Update User's Manual and add the simplified version of User's Manual.

Ver3.08(2013/03/28)

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1. Update Bootloader to V0110.
2. Update the Driver File (Date Ver: 20130328\_1618).
3. Modify the text "Code" to "Program" on the Checksum field.

Ver3.07(2013/03/14)

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1. Fix the bug that failed to load "ToolRegProcess.dll" file.

Ver3.06(2013/02/01)

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1. Add to support Flash Type USB MCUs with ISP function (e.g. HT66FB5x0).
2. Add "Read locked IC's checksum" and "Identification Code programming" functions (you also need to update your e-WriterPro F/W to V0109 or later version to use these two functions).
3. Add "Verify Code" on "Checksum" field of Main Window. The definition of "Verify code" is the CRC-16 value of the specified ROM sections and this value is more correct-guaranteed than "Checksum".

4. "Live Update function" now contains HOPE3000 main program updating.
5. Add "Convert to DIP" function. This function is for semi-automatical handler or the related application. Using this function, HOPE3000 can convert any user selected package to DIP-compatible package and pin definition.
6. Add "Switch Programming Speed" function. It's for the users to achieve better programming quality by adjusting different programming speed on any programming environment.
7. Add to support "Loading the partial lock setting from the programming file" function.
8. "OTP file" and "MTP file" options has combined to one "OTP/MTP files" option on the Open File window.
9. "Menu/Tool/Option Table" function is now to run the "Option Viewer" tool on HT-IDE3000. if you need this function later, you need to install HT-IDE3000 V7.7 or later version.
10. Fix the bug that using the programming file generated from HT-IDE3000 V7.61 or later version to program HT6xFx0 MCUs, the error "Programming Option Failed (address 1FH)" is occurred.
11. Fix the bug that the revised content is not showed on Live Update Window.
12. Fix the bug that sometimes after reading back the Data EEPROM values of MCU, these values can not be stored into .MTP file.
13. Fix the bug that under condition of multiple MCU driver existing, the error message "The selected IC package is not matched to the e-Socket" is occurred when programming.
14. Fix the bug that the "100%" progress is occurred when updating on Live Update Function.
15. Update e-WriterPro LCD to V0013
16. Update e-WriterPro F/W to V010A.
17. Update the Driver File (Date Ver: 20130301\_1551).
18. Update the System Files.

Ver3.05(2012/07/17)

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1. Solve the problem that the HOPE3000 bootup is too slow.
2. Add to support HT81R36 programming.
3. Add to prevent e-Writer plus with some older firmware version to program the following ICs:  
(e-Writer plus cannot support these IC programming before firmware version 000A)  
HT45R2G, HT45R2W, HT45R3J, HT45R3K, HT45R3L, HT46R005, HT46R006, HT46R016, HT46R017,  
HT46R0664, HT46R064B, HT46R064D, HT46R064G, HT46R065B, HT46R065D, HT46R065G, HT46R066B,  
HT46R0662G, HT46R066D, HT46R01B-1, HT46R01M-1, HT46R01N-1, HT48R005, HT48R006, HT48R012,  
HT48R016, HT48R017, HT48R063B, HT48R064B, HT48R064D, HT48R064G, HT48R065B, HT48R065D,  
HT48R065G, HT48R066B, HT48R066D, HT48R0662G, HT48R01B-1, HT48R01M-1, HT48R01N-1, HT49RA0-5,  
HT49RA0-6, HT98R016, HT98R018
4. Fix the bug that sometimes opening a programming file, then an error message

"ERR\_0030: Find or load  
driver failed !" shows.

5. Add to show "Writer F/W version & ID" information on About window.
6. Remove "IC field" from HOPE3000 UI.
7. Fix the bug that when HOPE3000 crashes when entering Writer Activation Window if e-WriterPro firmware  
is upgraded from 32bits versions to 8bits version.
8. Update the message when Calibrating MCU's HIRC.
  
9. Add the prompt message "Writer will use XV voltage to trim XMHz HIRC" when download.
  
10. Fix the bug that using command "-D" on Dos Command Mode will crash HOPE3000.
11. Fix the bug that inputing the invalid package name to the command "-D" on Dos Command Mode,  
HOPE3000 cannot display any error message.
12. Update the user's manual on Dos Command Mode.
13. Fix the bug that programming may be failed after modify Option ROM data using "Menu/Tool/  
Code Edit"  
function.
  
14. Add the message to prompt user to download again after modify the "Lock Upload" setting.
15. Fix the bug that the writer with beta-version firmware cannot be upgraded to newer version.
16. Now if opening an programming file with any non-supported record, an message "This file contains  
invalid  
information, please check if it is correct!"
17. Update the e-WriterPro F/W to Ver0107.
18. Update the Driver File (Date Ver: 20120719-1055).
19. Update the System Files.

Ver3.04(2012/03/16)

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1. Fix the bug that the error "download LCD PROM failed" sometimes occurred when updating Firmware.
2. Fix the bug that sometimes the text on LCD is disorder when standalone programming.
3. Add to prevent e-Writer to program the following ICs (these ICs are not supported on e-Writer):  
HT45R2G, HT45R2W, HT45R3J, HT45R3K, HT45R3L, HT46R005, HT46R006, HT46R016, HT46R017,  
HT46R0664, HT46R064B, HT46R064D, HT46R064G, HT46R065B, HT46R065D, HT46R065G, HT46R066B,  
HT46R0662G, HT46R066D, HT46R01B-1, HT46R01M-1, HT46R01N-1, HT48R005, HT48R006, HT48R012,  
HT48R016, HT48R017, HT48R063B, HT48R064B, HT48R064D, HT48R064G, HT48R065B, HT48R065D,  
HT48R065G, HT48R066B, HT48R066D, HT48R0662G, HT48R01B-1, HT48R01M-1, HT48R01N-1, HT49RA0-5,  
HT49RA0-6, HT98R016, HT98R018
4. Add to support "Code Edit" function (On "Menu/Tool/Code Edit").

5. Add "Lock Upload" function on Dos Command Mode.
6. Support the hot key "Ctrl+V" to paste your registration code on Writer Activation window (Only key-in way supported on the past).
7. Fix the bug that sometimes the incorrect message "the selected IC package is not matched to the e-Socket (\$\$\$%4x\$\$\$0000)" is shown.
8. Add to support .APF File (HOLTEK Advanced Programming File, for future advanced function used).
9. Update the e-WriterPro F/W to Ver0105.
10. Update the Driver File (Date Ver: 20120316-0945)

Ver3.03 (2011/11/30)

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1. Add to support live update of Driver and LCD data.
2. Add to update LCD data on F/W update function.
3. Update the e-WriterPro F/W to Ver0104.
4. Update the Driver File (Date Ver: 20111128-1005)

Ver3.02 (2011/09/01)

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1. Add to support e-WriterPro on Dos Command Mode
2. Add the function of Lock Upload (on "menu/setting/Lock Upload")
3. Add the error code on error message "Selected IC package and e-Socket mismatched(ERR\_XXXX,SEL\_YYYY).
4. Update the e-Writer plus F/W to Ver000D
5. Update the e-WriterPro F/W to Ver0102

Ver3.01 (2011/06/14)

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1. Fix the bug that the error message "Program Error(RC Option)" occurs when programming some enhanced OTP MCUs with "Internal RC + External RTC" IC option.

Ver3.00 (2011/05/10)

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1. Add to support e-WriterPro
2. Add the command -C on Dos Command Mode
3. Add the function of F/W update via Internet
4. Add to support e-WriterPro activation & registration
5. Add to support enhanced MCUs
6. Now the command -D on Dos Command Mode can download the file with only EEPROM data
7. Fix the bug that F/W update function crashes the Windows on some low-speed computers
8. Fix the bug that the failed command -U return TRUE value on Dos Command Mode
9. Fix the bug that the saved file extension is .MTP (the correct one is .PND) after selecting the MCUs with MXIC  
Flash on the "Select IC and Process" function
10. Fix the bug that some data in Option ROM might not be saved when saving file

Ver2.01 (2010/08/03)

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1. Add to support the checksum algorithm before HOPE3000 Ver1.04
2. Update the Driver File (Data Ver: 20100730-1645)
3. Update the system files
4. Update the e-Writer plus F/W to Ver0005

#### Ver2.00 (2010/05/13)

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1. Formal support of e-Writer plus full function (include LCM display) is from HOPE3000 Ver2.00
2. Fix the error message "ERR\_0029: The driver type in the writer is not supported ! ()" displayed when uploading (To "ERR\_0027: The data in the writer is invalid ! Please re-download file.")
3. Modify the definition for the UI CheckSum field: no count of Program ROM partial lock part
4. Modify the text "Code+Option+Data" to "Code+Option+Voice" of the UI CheckSum field third option for Voice MCU (like the HT86Bxx series)
5. Remove the "Plug & Burn" function
6. Remove the Memory IC programming support
7. Update some error message: "Match Pattern Error" to "Enter Programming Mode Error", "ROM Format Error" to "User Data Error"
8. Fix the bug that when the writer is reconnected on Smart Programming UI, the message on main UI is only displays "Connecting to Writer..."
9. Fix the bug that UI "Operation Time" only displays the upload time when executing "Read" with "Auto Upload After Read" option selected.
10. Translate all HOPE3000 DOC documents as PDF.
11. Fix the bug of the incorrect checksum displayed on the "View/Print Option Table" function.
12. Update the Driver File (Data Ver: 20100512-1055)
13. Modify HOPE3000 not to execute "Upload" when "Read" operation with "Auto Upload After Read" option selected is failed
14. Update the system files
15. Add to support Flash MCU with SPI Flash

#### Ver1.07 (2010/02/08)

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1. Fix the bug of incorrect option display or print on "Menu/Tool/Option Table" function for below IC:  
HT94801, HT82K96E, HT82K68E-1, HT82K68E, HT46R70A-1, HT49R50A-1, HT49R30A-1, HT48RB8, HT48RA3,  
HT48RA0A, HT48CA0, HT47R20A-1, HT46R47-H, HT46R47E, HT46R47, HT46R23
2. Update the system files and the Driver File (Date Ver: 20100208-1440)

#### Ver1.06 (2010/01/18)

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1. Add to support e-Writer plus (only For HT83Fxx)
2. Fix the bug that where the HOPE3000.exe icon is incorrect
3. Disable MRU (Most Recently Used) List and Language menu while if any writer operation is executing
4. Add to show writer name on UI F/W version (e.g. e-Writer 6805)
5. Add to support Memory IC
6. Add an indicator "●" to current selected language on language menu
7. Add to display error message when executing "Menu/Option Table View/Print" if uploaded with no file saved



8. Fix the bug that sometimes displays "Complete & OK" message which displays twice during programming
9. Disable the "Plug & Burn" function on the Smart Programming UI for MCUs with Flash Memory (like the HT83Fxx series)
10. Add function to support MCU programming for larger Flash Memories (larger than 2Mbytes - such as the HT83F80) programming
11. Fix the bug that after executing "Set Writer" on Smart Programming for MCUs with Flash Memory, will enable the "Check ID" function
12. Update the Driver File (Date Ver: 20100121-1440)

Ver1.05 (2009/12/15)

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1. Add support for 8/16/24 bits data size for User Specified Data
2. Fix the bug where the seed value of the expression displayed in the User Specified Data UI may become negative value when its real value is equal to or larger than 80000000H.

Ver1.04 (2009/10/15)

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1. Remove "Console Simulator" function
2. Fix the bug in the Map Mode of the Range Select UI(VROM) in the Smart Programming UI, where some UI operations will upset the UI or cause the software to crash
3. Add the function, that after uploading, the Auto Programming Function (button "Auto" on the Smart Programming UI) is available (only for e-Writer F/W version 6806 or later version)
4. Fix the bug, that when the MCU type of the uploaded data is not the supported type, the HOPE3000 will crash
5. Fix the bug, that the "View/Print Option Table" function fails when executing the HOPE3000 from the Program Files
6. The data in the PND file is displayed as "Data" (original is "Voice")
7. Update the Driver File (Date Ver: 20091015-1612)

Ver1.03 (2009/06/15)

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1. Support the "N-1" expression on the User Specified Data (USD) function (Requires F/W 6805 or later version)
2. The USD now only supports "N+1" and "N-1" expressions
3. Supports the USD function for Memory IC (Requires F/W 6804 or later version)
4. Supports Partial Programming function for Memory IC, but not yet for DOS Command Mode
5. The total amount of USD records on the preload file (total of three groups) is added to the 4084 (Requires F/W 6805 or later version)
6. Fix the bug where the Menu/Tool/Option Table function fails on some computers
7. Fix the problem where after any programming operation, the "Code+Option+Data" of the field "Checksum" on the Main UI is enabled after some delay
8. Fix the bug where on the Smart Programming UI, if "USD" is set but not "Program", after executing "Auto", the information on the "Next User Specified Data" field isn't updated
9. Update Driver File (Date Ver: 20090604-1340)

Ver1.02 (2009/05/21)

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1. Update Driver File (Date Ver: 20090520-1503)
2. Modify the bug where sometimes the function "view/print option table" fails

Ver1.01 (2009/05/05)

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1. Add the voice checksum on the CheckSum field of the Main UI
2. If the Flash Type Voice (like HT83FXX) is used then the user can only select a range unit of 64K on the Map mode of the "Programming Range Select Window"
3. Fix the bug where in the Map mode of the "Programming Range Select Window", if the range unit of the Voice ROM is changed (like changing from 1K to 8K), the range setting may be upset
4. Add a function to display the driver file version
5. Memory IC (such as the HT2202, HT93LCXX) does not support the programming operation - Blank Check now
6. Fix the incorrect checksum value displayed on the option table

Ver1.00 (2009/03/12)

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1. Initial Version