

RENESAS TOOL NEWS on April 1, 2014: 140401/tn6

## Renesas Flash Programmer Revised to V2.04.00

We have revised Renesas Flash Programmer from V2.03.00 to V2.04.00. For an overview of this flash-memory-programming software tool, go to:

<https://www.renesas.com/rfp>

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### 1. Descriptions of Revision

#### 1.1 Device Support

The following MCUs have been added to the support line:

(1) In RH850 family:

R7F701002, R7F701010, R7F701013, R7F701018, R7F701023 and R7F701025  
(for RH850/F1L group)

(2) In RX family:

R5F5110H, R5F5110J, R5F51101, R5F51103, R5F51104 and R5F51105  
(for RX110 group)

R5F564MF, R5F564MG, R5F564MJ and R5F564ML  
(for RX64M group)

(3) In RL78 family:

R5F10A6A, R5F10A6C, R5F10A6D, R5F10AAA, R5F10AAC, R5F10AAD,  
R5F10AAE, R5F10ABA, R5F10ABC, R5F10ABD, R5F10ABE, R5F10AGA,  
R5F10AGC, R5F10AGD, R5F10ALC, R5F10ALD, R5F10ALE, R5F10ALF,  
R5F10ALG, R5F10AME, R5F10AMF, R5F10AMG, R5F10BAD, R5F10BAF,  
R5F10BBC, R5F10BBD, R5F10BBE, R5F10BBF, R5F10BGC, R5F10BGD,  
R5F10BLC, R5F10BLD, R5F10BLE, R5F10BLF, R5F10BME and R5F10BMF  
(for RL78/F13 group)

R5F10PAD, R5F10PAE, R5F10PBD, R5F10PBE, R5F10PGE, R5F10PGF,  
R5F10PGG, R5F10PLE, R5F10PLG, R5F10PLH, R5F10PME, R5F10PMG,  
R5F10PMH, R5F10PPE and R5F10PPF  
(for RL78/F14 group)

R5F110ME, R5F110MF, R5F110MG, R5F110MH, R5F110NE, R5F110NF,

R5F110NG, R5F110NH, R5F110NJ, R5F110PE, R5F110PF, R5F110PG, R5F110PH, R5F111ME, R5F111MF, R5F111MG, R5F111MH, R5F111MJ, R5F111NE, R5F111NF, R5F111NG, R5F111NH, R5F111NJ, R5F111PE, R5F111PF, R5F111PG and R5F111PH  
(for RL78/L1C group)

## 1.2 Functions Introduced

The following functions have been introduced:

- (1) When specifying the lock range in the Lock Bit category, the range can be specified by area units.

The options of "Lock the area" and "Unlock the area" have been added to the item line of the Lock Bit category below the Other Settings tab in the Project Settings dialog box.

Although the target blocks were required to be specified by block units in the previous version, all blocks in an area became settable simultaneously.

- (2) The address range for erasure can be specified.

The Address tab was added in the Erase dialog box that is opened after executing the erase command. You can specify the address range for erasure in the Address tabbed page.

## 1.3 Compatibility with Host OSes Modified

Windows 8.1 (32- and 64-bit versions) is now supported.

Support for evaluating the operation under Windows XP has been dropped. If you are using Windows XP, please continue to use the previous version.

## 1.4 Functions Improved

- (1) On the result code displayed after executing commands

Even when all of the following conditions are met, the result code "0" was displayed after executing commands.

In the revised product, however, the code "1" is displayed in the same way as when there is an error in a command or an error is generated while a command is being executed.

Conditions:

- When using MCUs that do not have the data area or user boot area.
- When executing the Blank check command or Script command while the data area or user boot area is specified as the target for command execution.

- (2) On the unique code embedding function

If embedding of the unique code described in the index where a pointer points in the unique code file is not normally executed (see NOTE), embedding of the corresponding unique code is cancelled

and the pointer is moved to the index in the next line.  
It has been modified in this revision so that the pointer is not moved from the index line where normal embedding of the unique code was not executed.

**NOTE:**

Failure in normal embedding of the unique code includes cases such as failures in communications and differences between areas for embedding the unique code and for programming of the program file.

**(3) On updating the firmware of E1 and E20**

When using the E1 or E20 emulator with Renesas Flash Programmer, Renesas Flash Programmer automatically checks to see the version number of the firmware of E1 and E20. As a result, a dialog box requesting confirmation of updating of the firmware was displayed if updating was required and the user had to click on the OK button. In the revised version, firmware for the emulator is automatically updated without displaying the dialog box.

On the output panel, the updating status is displayed in the same way as the previous version.

**(4) On the information included in log files**

The following information has been included in the first part of the log files that are recorded by the script execution function: the version number of Renesas Flash Programmer, the script and workspace files.

## **1.5 Problem Fixed**

The following problem with programming has been fixed:

Product Version Concerned:  
Renesas Flash Programmer V2.03.00

Involved MCUs:  
V850, RL78 and 78K families of MCUs

Description:  
The message "Unknown error occurred" was on rare occasions displayed in the output panel in response to the program command or verify command. In such cases, the command was terminated and "Error" was shown in the status bar.

## **2. Updating Your Product**

Online updating is available free of charge. Download the installer of the product from:

[https://www.renesas.com/rfp\\_download](https://www.renesas.com/rfp_download)

The installer will be published on this site on April 7, 2014.

### **3. Downloading Evaluation Edition**

Before purchasing any of the commercial editions of Renesas Flash Programmer, you can evaluate its performance and functionality by using the evaluation edition of Renesas Flash Programmer.

To do so, download the evaluation edition from the web site at:

[https://www.renesas.com/tool\\_evaluation](https://www.renesas.com/tool_evaluation)

The installer will be published on this web site on April 7, 2014.

### **4. How to Purchase the Product**

When you place an order for the product, supply the following items of information to your local Renesas Electronics marketing office or distributor:

Product name: Flash memory programming software

Renesas Flash Programmer

Orderable part number: R0C00000FDW12R

For the price of the product, contact the above marketing office or distributor.

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