

C Compiler Package for RH850 Family V2.04.01 Release Note

R20UT5192EJ0100 Rev.1.00 Aug 01,2022

Thank you for using our product.

This document describes the restrictions and points for caution. Read this document before using the product.

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Chapter 1. User's Manuals

Please read the following user's manuals along with this document.

Name	Document Number
CC-RH Compiler User's Manual	R20UT3516EJ0109
CS+ Integrated Development Environment User's Manual: CC-RH Build Tool Operation	R20UT3283EJ0110

Chapter 2. Changes

This chapter describes changes to the CC-RH compiler from V2.04.00 to V2.04.01.

2.1 Addition of the -Xpatch=br_jr option

The parameter "br_jr" has been added for the compiler option -Xpatch.

Specifying this parameter inhibits generation of the br disp9, jr disp22, and jr disp32 instructions.

This parameter is ignored if -Xcpu=g3kh is not specified.

In the CS+ integrated development environment, the -Xpatch option can be specified in the following field in the Property panel.

Build Tool
$$\rightarrow$$
 [Compile Options] \rightarrow [Others] \rightarrow [Other additional options]

In the e² studio integrated development environment, the -Xpatch option can be specified in the following field in the Properties window of a project.

$$[C/C++ Build] \rightarrow [Settings] \rightarrow [Compiler] \rightarrow [User] \rightarrow [User-defined options]^*$$

* This option can be added before or after all specified options.

2.2 Addition of the -RESERVE_PREFETCH_AREA option

The -RESERVE PREFETCH AREA option has been added as a link option.

```
-reserve_prefetch_area[=section name]
```

When this option is specified with a section name, the 16-byte area from the end of the specified section is filled with zeros. When a section name is not specified, the 16-byte areas from the ends of each of the executable program sections, such as the .text section, are filled with zeros.

In the CS+ integrated development environment, the -RESERVE_PREFETCH_AREA option can be specified in the following field in the Property panel.

Build Tool
$$\rightarrow$$
 [Link Options] \rightarrow [Others] \rightarrow [Other additional options]

In the e^2 studio integrated development environment, the -RESERVE_PREFETCH_AREA option can be specified in the following field in the Properties window of a project.

$$[C/C++ Build] \rightarrow [Settings] \rightarrow [Linker] \rightarrow [User] \rightarrow [User-defined options]^*$$

* This option can be added before or after all specified options.

2.3 Other changes and improvements

(a) Rectification of an error that occurred when using a library
In the case of CC-RH V2.04.00, an E0562436 error would occur if a standard library function or
mathematical library function was used with the data size of the double and long double types specified
as 4 bytes by a compiler option (-Xdbl_size=4). This problem has been solved in V2.04.01.

Reference:

https://en-support.renesas.com/knowledgeBase/20471720

Revision History

		Description		
Rev.	Date	Page	Summary	
Rev1.00	Aug 01, 2022		First Edition issued	

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