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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.

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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 → [Compile Options] → [Others] → [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] → [Settings] → [Compiler] → [User] → [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 → [Link Options] → [Others] → [Other additional options]

In the e² 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] → [Settings] → [Linker] → [User] → [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

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<th>Rev.</th>
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<tr>
<td>Rev1.00</td>
<td>Aug 01, 2022</td>
<td>First Edition issued</td>
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