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# Limitation on using E10A emulator software for High-performance Embedded Workshop version with C/C++ compiler package

E10A emulator software for High-performance Embedded Workshop version has limitation depending on version of the C/C++ compiler package to be used together.
Please take note of the detail explanation for the limitations.

## For SuperH RISC engine family

| C/C++ Compiler Package Version | V5 and previous | V6 | V7 and above |
|---|---|---|---|
| Program loading | ○ | ○ | ○ |
| Source level debugging | △ | ○ | ○ |
| Supplementary explanation for limitations | Detail | - | Detail |

## For H8S, H8 family

| C/C++ Compiler Package Version | V3 and previous | **V4** | V5 and above |
|---|---|---|---|
| Program loading | ○ | ○ | ○ |
| Source level debugging | △ | ○ | ○ |
| Supplementary explanation for limitations | Detail | - | Detail |

# Renesas C/C++ compiler package for SuperH RISC engine family V5 and previous

E10A emulator software for High-performance Embedded Workshop version can download data in the following four format types.

- ELF/Dwalf2 :A file with debug information .abs
- S-Record :A file in motorola format .mot
- Binary
- IntelHex

In order to debug a program at source code level , the program needs to be downloaded in ELF/Dwalf2 format type. However, C/C++ compiler package for SuperH RISC engine family V5 and previous generate a file with debug information (.abs) in SYSROF format which E10A emulator software for High-Performance Embedded Workshop version does not accept. Please create a file in either format of S-Record, Binary or Intel Hex.

【How to create a file in S-Record, Binary or Intel Hex format】

Please select either of the following format for output file in Linker option

1. Stype via absolute
2. HEX via absolute
3. Binary via absolute

More than two years has erapsed since the C/C++ compiler package for SuperH RISC engine family V5 was released. The operational performance and code efficiency has much developed, and support services has been enriched so far. We recommend the switch to the latest version.

If it is inconvenient to switch your compiler package to the latest version for your personal reason, we offer you a E10A emulator software for HDI version. The E10A emulator software for HDI version allows file download in SYSROF format, and so that the source level debugging is available. However, a E10A emulator software for HDI version is a previous version of High-performance Embedded Workshop version. Please be note that some problems have not fixed, and the HDI version is not as easy-to-use as the High-performance Embedded Workshop version.

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# Renesas C/C++ compiler package for SuperH RISC engine family V7 and above

Installation sequence of an emulator software and a compiler package is predetermined as follows.

1. E10A emulator software for High-performance Embedded Workshop version
2. Renesas C/C++ compiler package for SuperH RISC engine family V7 and above

If you would like to install an E10A emulator software for High-performance Embedded Workshop Version on a computer which a C/C++ compiler package for SuperH RISC engine family V7or above has already installed, you need to reinstall a C/C++ compiler package for SuperH RISC engine family V7 or above on the computer after installing an E10 emulator software.

## Renesas C/C++ compiler package for H8SX, H8S and H8 families **V3 and previous**

E10A emulator software for High-performance Embedded Workshop version can download data in the following format type.

- ELF/Dwalf2 :A file with debug information .abs
- S-Record :A file in motorola format .mot
- Binary
- IntelHex

In order to debug a program at source code level , the program needs to be downloaded in ELF/Dwalf2 format type. However, C/C++ compiler package for H8S and H8 family V3 and previous generate a file with debug information (.abs) in SYSROF format which E10A emulator software for High-Performance Embedded Workshop version does not accept. Please create a file in either format of S-Record, Binary or Intel Hex.

【How to create a file in S-Record, Binary or Intel Hex format】

Please select either of the following format for output file in Linker option.

1. Stype via absolute
2. HEX via absolute
3. Binary via absolute

More than two years has erapsed since the Renesas C/C++ compiler package for H8S and H8 family V3 was released. The operational performance and code efficiency has much developed, and support services has been enriched so far. We recommend the switch to the latest version.

If it is inconvenient to switch your compiler package to the latest version for your personal reason, we offer you a E10A emulator software for HDI version. The E10A emulator software for HDI version allows file download in SYSROF format, and so that the source level debugging is available. However, a E10A emulator software for HDI version is a previous version of High-performance Embedded Workshop version. Please be note that some problems have not fixed, and the HDI version is not as easy-to-use as the High-performance Embedded Workshop version.
Please contact the sales office from which you have purchased the Renesas product. If you are not sure of the sales office, please enter the following homepage and contact the site of your region: http://www.renesas.com/

# Renesas C/C++ compiler package for H8S and H8 family **V5 and above**

Installation sequence of an emulator software and a compiler package is predetermined as follows.

1. E10A emulator software for High-performance Embedded Workshop version
2. Renesas C/C++ compiler package for H8S and H8 family V5 and above

If you would like to install an E10A emulator software for High-performance Embedded Workshop version on a computer which a C/C++ compiler package for H8S, H8 family V5 or above has already installed, you need to reinstall a C/C++ compiler package for H8S, H8 family V5 or above on the computer after installing an E10 emulator software.