# [Upgrade to version]

# e² studio Integrated Development Environment V5.0

## Outline

e² studio, Eclipse open-source based Integrated Development Environment, updated from V4.3.0.008 to V5.0.0.043.

For an overview of the product, see the following page:
http://www.renesas.com/e2studio

For the details of this version, see the e² studio Release Note:
http://www.renesas.com/search/keyword-search.html#q=r20ut3770ee&genre=document

## 1. Points Upgraded

## 1.1 Eclipse/CDT platform updates

➢ Update from Eclipse 4.4(Luna) to Eclipse 4.5(Mars) based platform.

➢ Update CDT plugin revision from V8.6.0 to V8.8.1.

## 1.2 Improved features

➢ Build settings report feature

Added a feature to generate "build settings report", a list of compiler and linker options, which helps logging and comparing build options across projects.

➢ Build feature improvements

- Section overlay placement for CC-RX and CC-RL projects.

  Section overlay descriptions configurable on section setting dialog.

- Memory Usage view supports GCC ARM Embedded compiler.

➢ Debugger feature improvements

- Memory view: Image rendering supports zoom operations.

- Memory view: Added support formats of YCbCr for Image rendering.

- DMAC/DTC trace view is available for RX64M and RX71M.

➢ C0 coverage support with RX simulator

RX simulator added support of C0 coverage measurement.

➢ Renesas Synergy™ support features improvement

- Improvements such as Synergy Software Package (SSP) V1.1.0 support.

- Project generation for S1 series S124 MCU is available as well as debug support.

➢ Optimization Assistant improvement

Optimization Assistant added supports for GNURX and GNURL78 projects.

## 1.3 Addition of supported MCUs

- RL78 family: RL78/G1H group

Capable of project generation, code generation, build and hardware debugging.

## 1.4 Details of fixed problems

The following problem has been fixed.

- - RENESAS TOOL NEWS Document No. 160316/tn1

    - Pin settings for the IICA serial interface when setting the PIOR to change the assignment of pin functions
      Applicable MCUs: RL78/G12 group (20- and 24-pin products)

    Please visit here for details of this issue:
    http://www.renesas.com/doc/toolnews/eng/2016/160316tn1_e.pdf

## 2. Updating Your Product

Download an e² studio installer file from the following Web site and install it.
The V5.0.0.043 offline installer and V5.0 Web installer will be published on April 20, 2016.

  e² studio download site:
  http://www.renesas.com/e2studio_download

**Note 1:** **Update operations from e² studio V4.3 or older revisions to V5.0 are not possible. Please install V5.0 in a new folder, not over the existing installations.**

Note 2: There are two types of installer, for on-line called "Web installer" and for offline.
Please use the latest V5.0 Web installer for on-line installation. Older installers should not be applied.
If internet connections are unavailable, please use the offline installer.
For details, see the instructions on the download site stated above.

## Revision History

| Rev. | Date | Description | | |
| --- | --- | --- | --- | --- |
| | | **Page** | **Summary** | |
| 1.00 | Apr. 16, 2016 | - | First edition issued | |
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