

IAR Information Center for Renesas Synergy

Release notes

Release notes

for IAR Embedded Workbench for Renesas Synergy version 8.23.3

Read about the latest features, new device support, and program corrections in the release notes.

- [Highlights](#)
- [Important information](#)
- [Release notes for individual components](#)
- [Product packages](#)
- [Installation and license activation](#)

Highlights

- **IDE performance improvements**
General improvements of the IDE startup time and overall performance.

Device support

- **New device support**

[RenesasSynergy](#) [R7FS5D37A](#)

- **Device support**

[RenesasSynergy](#)

- **Example projects**

Over 9000 example projects for various evaluation boards are included in the product installation. See the [Information Center](#).

Important information

- **Upgrade information**
 - **Before you install**

To avoid any problems, do not install this release in a directory where you have previously installed any older version of IAR Embedded Workbench. It is recommended that you either uninstall an earlier product, or install this release in a separate directory. As before, however, it is possible to install different products, all using the same version of the main application, in the same root directory.

- **License renewal**

The upgrade to this version might require a license renewal. This is performed by starting the IAR License Manager and selecting **License>Check for License Renewal**. Note, if you have a network license, this must be performed on the license server.

- **Microsoft SCC interface no longer supported**

Microsoft SCC-compatible version control systems are no longer supported by IAR Embedded Workbench.

- **Microsoft Windows**

Windows Vista and newer operating systems have a security mechanism called UAC (User Access Control). Disabling UAC will automatically grant you permission when a task requires administrative rights but this is not recommended because it will reduce the security of the computer. It is not necessary to run the IAR Embedded Workbench IDE as an administrator. However, if you are not, modifications to the installed product tree in C:\Program Files\IAR Systems might not work as intended and could give unexpected results. One example is opening and building projects directly from the installed product tree. The build will succeed, but the resulting files (object, list, ...) will not appear where expected. Instead all output files will be redirected by the OS to C:\Users\\AppData\Local\VirtualStore\Program Files\IAR Systems. To avoid this, the preferred way is to copy the examples to a location outside `Program Files`, either manually or automatically by opening them via the **IAR Information Center**.

- **Network licenses**

For network licenses, this version of the IAR Embedded Workbench requires IAR License Server Tools version 2.15.4 or later. For more information see technical note [TN21842](#). The latest IAR License Server Tools are backwards-compatible with previous IAR Embedded Workbench versions.

- **Migration**

- The debugger flash loader mechanism was changed in version 5.40. If your project uses a default flash loader with no extra parameters, no migration work is needed. If the debugger detects that your project uses a non-default flash loader or that it uses extra parameters, it will revert to the default flash loader for your device. In addition a `.board` file will be created in the project directory. If necessary the `.board` file can be edited and used by manually overriding the default flash loader with this project-specific `.board` file.
- If you are migrating from version 4.x to this version, we recommend that you read the [IAR Embedded Workbench Migration Guide for ARM](#).

- **Object format**

The object format used in the compiler, assembler, linker, and debugger is based on the ARM ABI standard version 2.10 with ELF/DWARF 4. For the standard definition, see the [ARM Application Binary Interface](#).

Trademarks

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