

CS+ V8.02.00

Integrated Development Environment

User's Manual: Installer

Target Device

RL78 Family

RX Family

RH850 Family

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Corporate Headquarters

TOYOSU FORESIA, 3-2-24 Toyosu,
Koto-ku, Tokyo 135-0061, Japan
www.renesas.com

Contact Information

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How to Use This Manual

This manual describes the role of the CS+ integrated development environment for developing applications and systems for RH850 family, RX family, and RL78 family, and provides an outline of its features.

CS+ is an integrated development environment (IDE) for RH850 family, RX family, and RL78 family, integrating the necessary tools for the development phase of software (e.g. design, implementation, and debugging) into a single platform.

By providing an integrated environment, it is possible to perform all development using just this product, without the need to use many different tools separately.

Readers	This manual is intended for users who wish to understand the functions of the CS+ and design software and hardware application systems.
Purpose	This manual is intended to give users an understanding of the functions of the CS+ to use for reference in developing the hardware or software of systems using these devices.
Organization	This manual can be broadly divided into the following units. 1.GENERAL 2.FUNCTIONS
How to Read This Manual	It is assumed that the readers of this manual have general knowledge of electricity, logic circuits, and microcontrollers.
Conventions	Data significance: <u>Higher</u> digits on the left and lower digits on the right Active low representation: XXX (overscore over pin or signal name) Note: Footnote for item marked with Note in the text Caution: Information requiring particular attention Remarks: Supplementary information Numeric representation: Decimal ... XXXX Hexadecimal ... 0xXXXX

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1. GENERAL

CS+ is an integrated development environment for use with microcontrollers. CS+ has multiple installers. The integrated installer is used to automatically install these installers in order. The integrated uninstaller is used to uninstall individual installers in a single process.

This manual describes how to use the integrated installer and integrated uninstaller.

1.1 Introduction

This manual covers the installation of CS+, including the environment required to use CS+. It also covers uninstallation.

1.2 Features

The features of the integrated installer and integrated uninstaller are shown below.

- Integrated installer

The integrated installer detects whether the .NET Framework and the runtime libraries that are required for use by CS+ have been installed. If not, the integrated installer installs the .NET framework and the runtime libraries. When a microcontroller is selected, the required installers are installed consecutively.

- Integrated uninstaller

The integrated uninstaller can be used to uninstall multiple CS+-related installers in a single process. Note, however, that it does not uninstall the .NET Framework and the runtime libraries.

2. FUNCTIONS

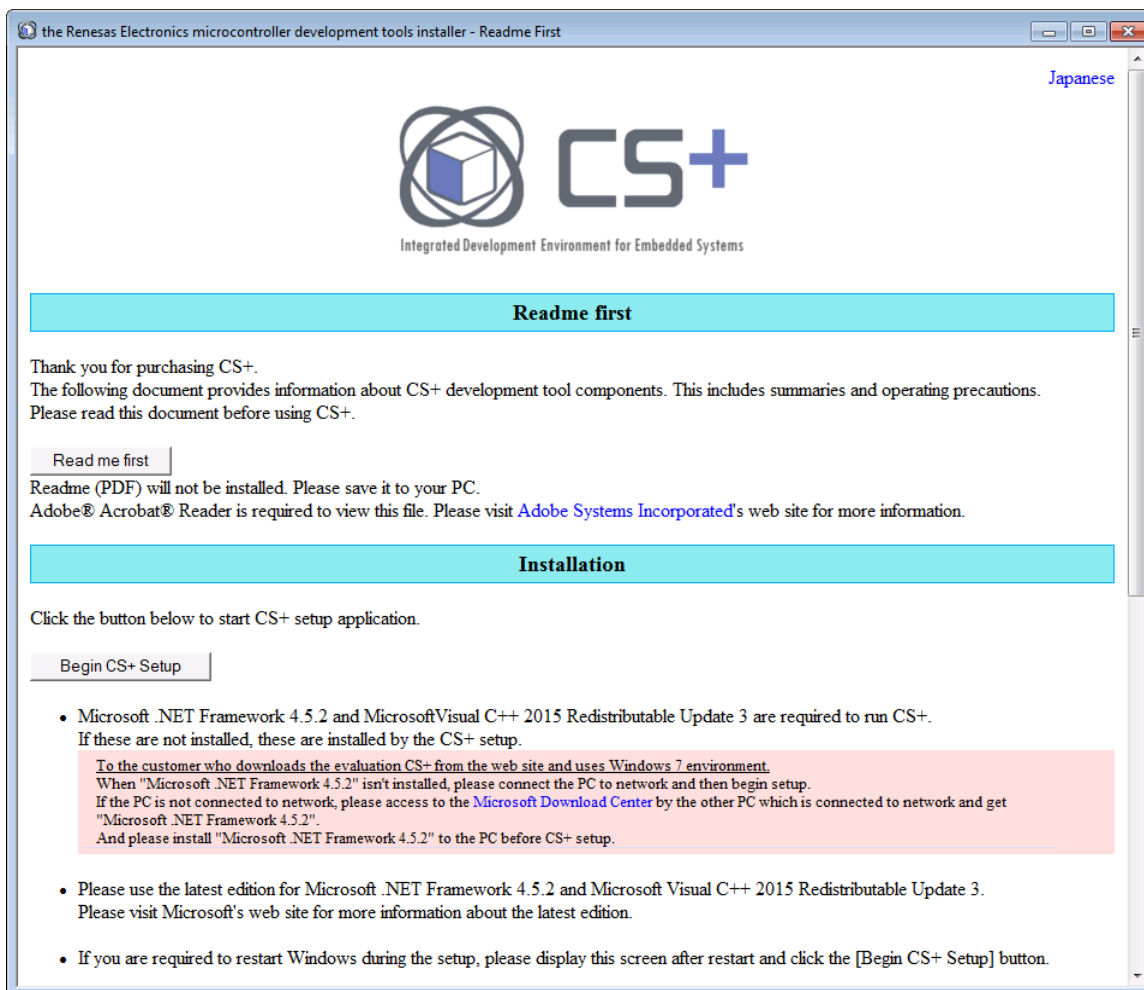
This section describes how to install and uninstall CS+.

2.1 Installing CS+

This section describes how to install CS+.

- (1) Insert the DVD into the drive.
The Preparing to Install page appears automatically.

Figure 2.1 Preparing to Install Page



Click the [Begin CS+ Setup] button, the integrated installer appears. Follow the instructions on the screen to set CS+ up.

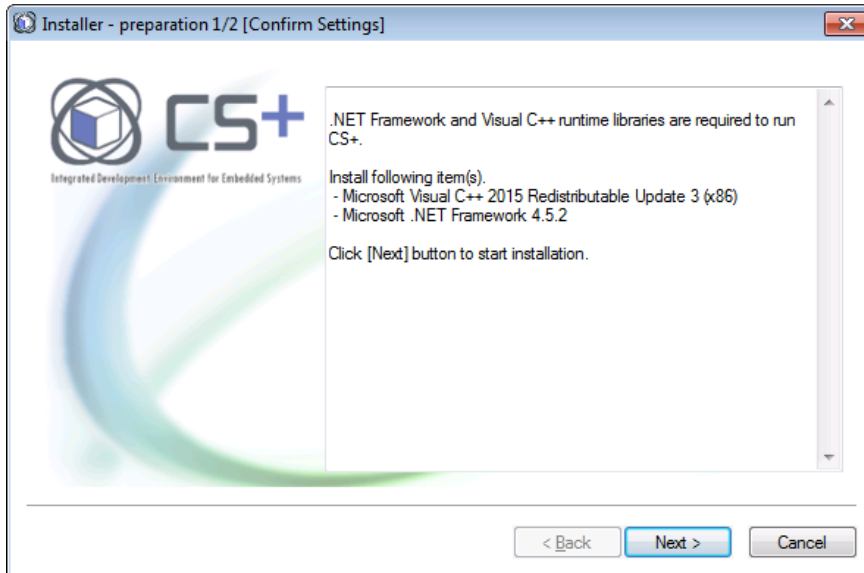
Caution CS+ setup must be conducted with administrator privileges.

Remark If the page does not appear automatically, double-click "Setup.exe" in the DVD.

- (2) Check the environment required for installation.
The following must be installed to allow operation of this product; the window shows any that are not yet installed.
- Microsoft .NET Framework 4.5.2
 - Microsoft Visual C++ 2015 Redistributable Update 3

Remark If all of the above are installed, this window does not appear.

Figure 2.2 Integrated Installer: Preparation (Confirm Settings)

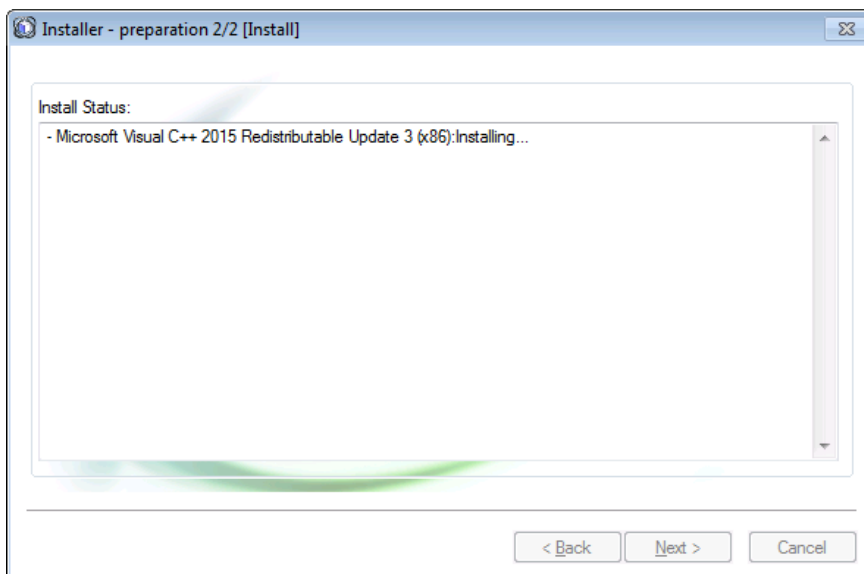


Check the information, then click the [Next] button.

- (3) Check the progress of installation of required software.
Follow the installation wizard to install the software.
The installation progress appear in the [Install Status] area.

Remark If the required software is already all installed, this window does not appear.

Figure 2.3 Integrated Installer: Preparation (Install)



After all required software is installed, click the [Next] button.
Check the information, then click the [Next] button.

Remark If this software installation fails, or a restart is required, a message to this effect appears, and the installation cannot be continued (the [Next] button is disabled).

If a restart is required, restart Windows, then begin the setup again from the [Begin CS+ Setup] button in the Preparing to Install page of step (1) above.

- (4) Confirm the product information, etc.
Product information, etc. appears.

Figure 2.4 Integrated Installer (Starting to Set CS+ up)



Check the information, then click the [Next] button.

- (5) Confirm the software license agreement.
The installer asks if you agree to the SOFTWARE LICENSE AGREEMENT.

Figure 2.5 Integrated Installer (Software License Agreement)

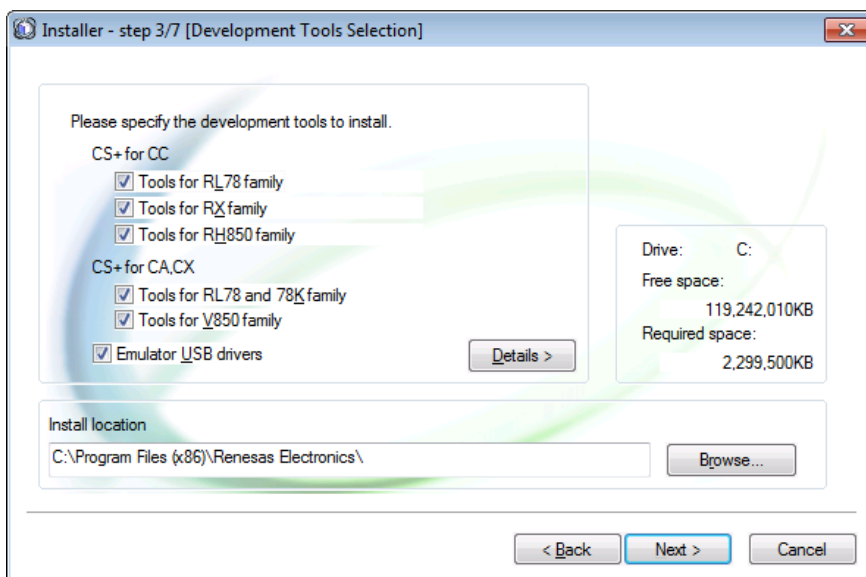


Check the information, and if you agree it, select "Accept", then click the [Next] button.

Caution If you select "Do not accept", you cannot continue with the installation.

- (6) Select the install target and the installation location.
 Select the check boxes of the install target.
 If you wish to change the installation location, edit it in the [Install location] area.

Figure 2.6 Integrated Installer (Development Tools Selection)

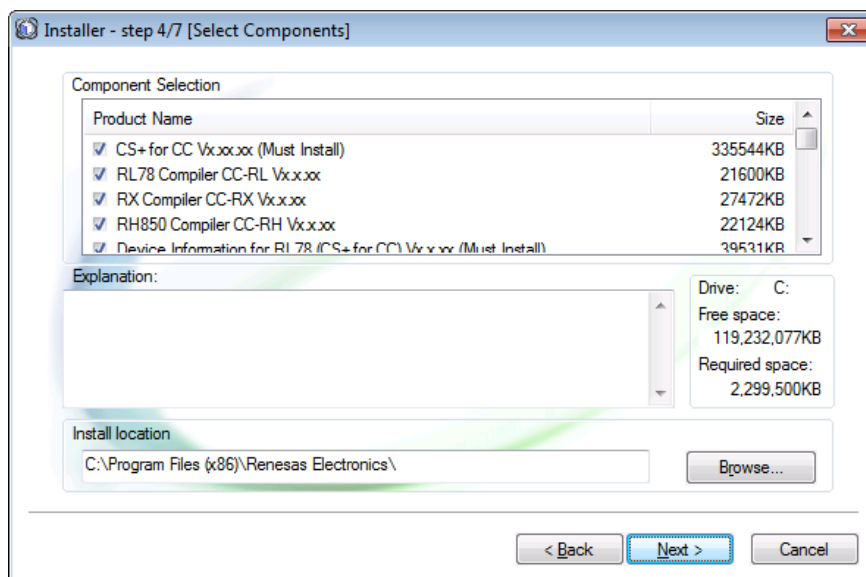


After you select the install target and installation location, click the [Next] button.

Caution You cannot change the install location on a host machine where CS+-related tools or CubeSuite+-related tools have been installed. If you wish to change the installation location, uninstall all of CS+-related tools and CubeSuite+-related tools, then perform the installation.

Remark If you wish to specify the install target in detail, click the [Details] button. The Select Components window appears. The [Component Selection] area shows the details of the install target you selected in the Development Tools Selection window. After select the check boxes of the tools in the [Component Selection] area, click the [Next] button.

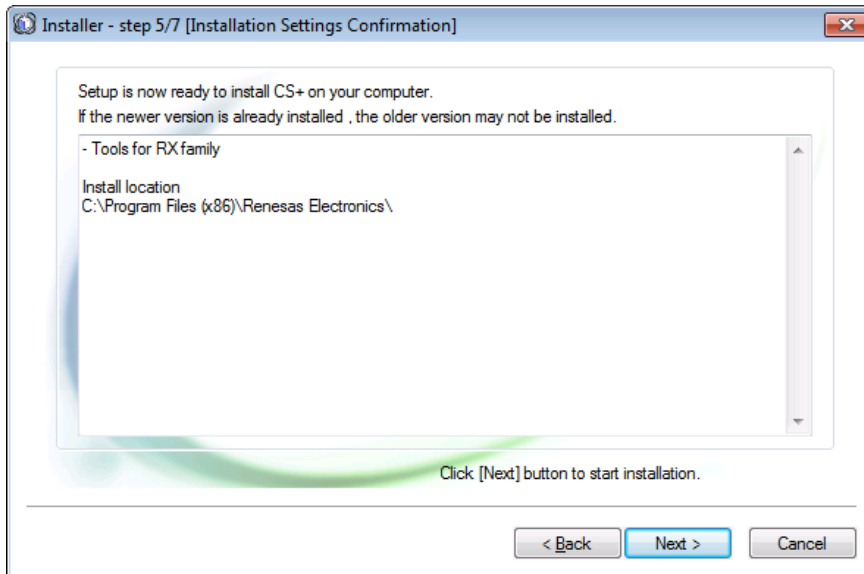
Figure 2.7 Integrated Installer (Select Components)



Caution The check boxes of products that must be installed cannot be cleared.

- (7) Check the installation targets and installation.
The settings made in (6) are appeared.

Figure 2.8 Integrated Installer (Installation Settings Confirmation)

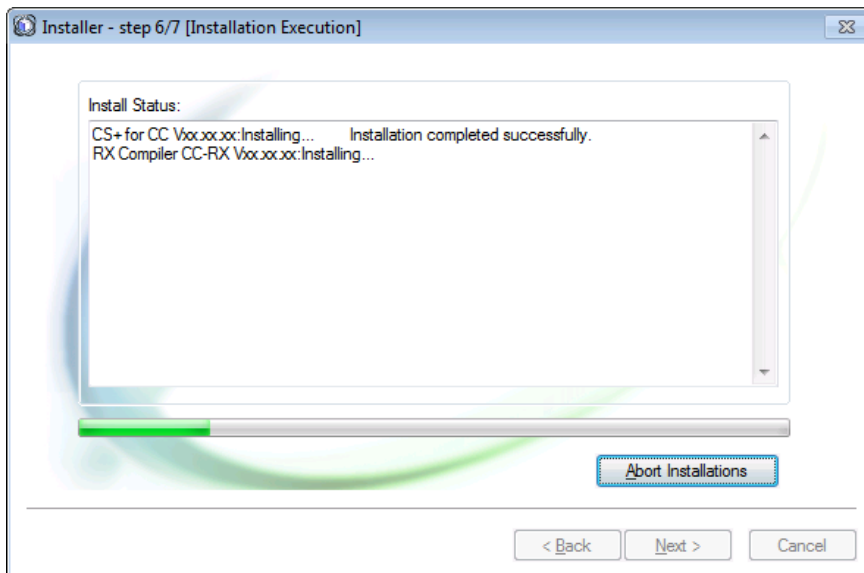


Check the information, and click the [Next] button.

Caution If an emulator USB driver is installed, the confirmation dialog box may appear.

- (8) Confirm the installation progress.
A progress bar displays the progress of the installation.
The installation progress of each tool appear in the [Install Status] area.

Figure 2.9 Integrated Installer (Installation Execution)

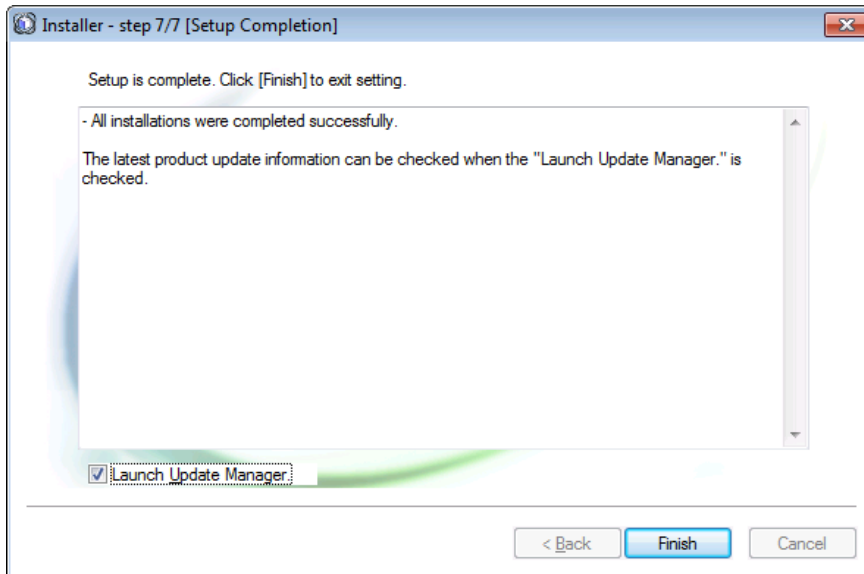


When all installations of the install targets are finished, the [Next] button becomes enabled.
Check the information, and click the [Next] button.

Remark If you click the [Abort Installations] button, a message stating that the user chose to cancel the installation appears in the [Install Status] area. The installation will halt when the installation of the tool currently being installed finishes.

- (9) Confirm the results of the installation.
When all setup-related tasks are finished, the results of the installation appear.

Figure 2.10 Integrated Installer (Setup Completion)



Click the [Finish] button to complete the installation.

- Remark 1. When having a check in a [Launch Update Manager.] check box, the CS+ Update Manager window is launched after completing the installation.
See "CS+ Integrated Development Environment User's Manual: Updater" for the update method.
- Remark 2. If required software was installed in steps (2) and (3) above, a message appears, suggesting you update to the latest version. If a restart is required, a message to this effect also appears.

2.2 Uninstalling CS+

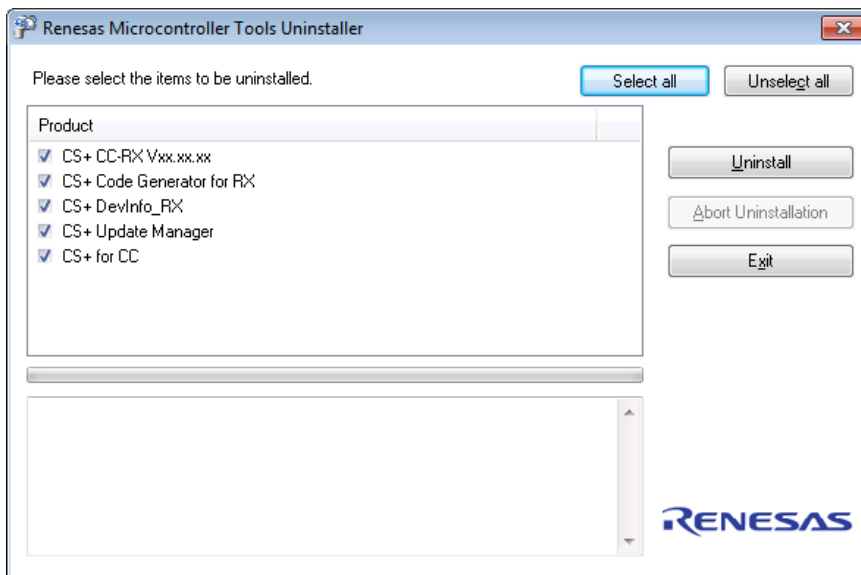
The integrated uninstaller is useful if you wish to uninstall CS+-related tools. CubeSuite+-related tools can also be uninstalled by using the integrated uninstaller.

- (1) Launch the integrated uninstaller.

From the Windows the [Start] menu, select [Programs] >> [Renesas Electronics CS+] >> [Uninstaller]. The integrated uninstaller window is launched.

Remark In Windows 8.1, Select [Uninstaller] on the start screen.
In Windows 10, select Windows [Start] menu >> [All apps] >> [Renesas Electronics CS+] >> [Uninstaller].

Figure 2.11 Integrated Uninstaller Window

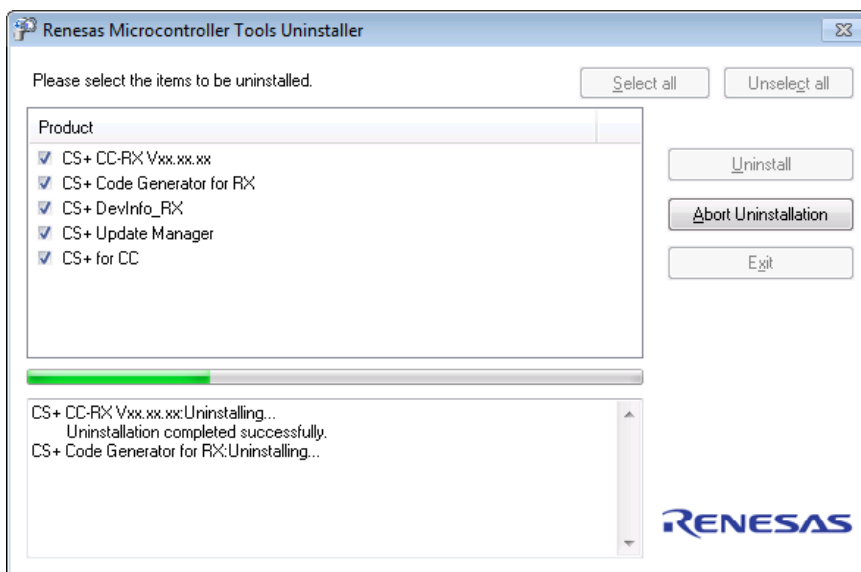


Click the [Select all] button to select all the check boxes.
Click the [Unselect all] button to clear all the check boxes.
Select tools that you wish to uninstall and click on the [Uninstall] button.

- (2) Confirm the uninstallation progress.

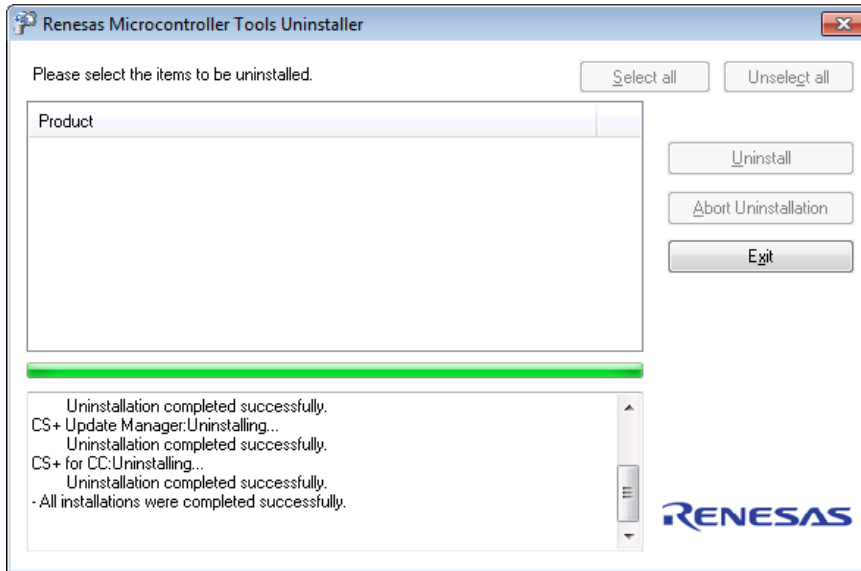
A progress bar displays the progress of the uninstallation.
The uninstallation progress of each tool appear in the progress details area.

Figure 2.12 Integrated Uninstaller Window (Progress)



- Remark If you click the [Abort Uninstallations] button, a message stating that the user chose to cancel the uninstallation appears in the progress details area. The uninstallation will halt when the uninstallation of the tool currently being uninstalled finishes.
- (3) Confirm the results of the uninstallation.
When all setup-related tasks are finished, the results of the uninstallation appear.

Figure 2.13 Integrated Uninstaller Window (Result)



Click the [Exit] button to complete the uninstallation.

Caution If all products are uninstalled, the integrated uninstaller will be also uninstalled automatically.

Revision Record

Rev.	Date	Description	
		Page	Summary
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