

CS+ V8.02.00

Integrated Development Environment

User's Manual: Installer

Target Device RL78 Family RX Family RH850 Family

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

TABLE OF CONTENTS

1.	GENERAL	5
1.1	Introduction	. 5
1.2	Features	. 5
2.	FUNCTIONS	6
2.1	5	
2.2	Uninstalling CS+	12
Revisi	ion Record	· 1

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	
1 19410 2.1	i ropanng to motan i ago	

🕼 the Renesas Electronics microcontroller development tools installer - Readme First	
Integrated Development Environment for Embedded Systems	Japanese
Readme first	
Thank you for purchasing CS+. The following document provides information about CS+ development tool components. This includes summaries and operating precautions. Please read this document before using CS+. Read me first Readme (PDF) will not be installed. Please save it to your PC. Adobe & Acrobat Reader is required to view this file. Please visit Adobe Systems Incorporated's web site for more information.	E
Installation	
Click the button below to start CS+ setup application. Begin CS+ Setup	
 Microsoft .NET Framework 4.5.2 and MicrosoftVisual C++ 2015 Redistributable Update 3 are required to run CS+. If these are not installed, these are installed by the CS+ setup. 	
<u>To the customer who downloads the evaluation CS+ from the web site and uses Windows 7 environment.</u> When "Microsoft.NET Framework 4.5.2" isn't installed, please connect the PC to network and then begin setup. If the PC is not connected to network, please access to the Microsoft Download Center by the other PC which is connected to network and get "Microsoft.NET Framework 4.5.2". And please install "Microsoft.NET Framework 4.5.2" to the PC before CS+ setup.	
 Please use the latest edition for Microsoft .NET Framework 4.5.2 and Microsoft Visual C++ 2015 Redistributable Update 3. Please visit Microsoft's web site for more information about the latest edition. 	
• If you are required to restart Windows during the setup, please display this screen after restart and click the [Begin CS+ Setup] button.	

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)

🔞 Installer - preparation 1/2 [Confirm 5	Settings]	×
Tergrated Development Environment for Embedded Systems	.NET Framework and Visual C++ runtime libraries are required to run CS+. Install following item(s). • Microsoft Visual C++ 2015 Redistributable Update 3 (x86) • Microsoft .NET Framework 4.5.2 Click [Next] button to start installation.	*
	< <u>B</u> ack Next > Canc	el

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

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)

Installer - preparation 2/2 [Install]	٤
nstall Status:	
- Microsoft Visual C++ 2015 Redistributable Update 3 (x86):Installing	*
	-
< <u>B</u> ack <u>N</u> ext > Ca	incel

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.



Renesas Electronics Microcontroller Development Tools Installer - step 1/7
Integrated Development Environment for Embedded Systems
Welcome to the Renesas Electronics Microcontroller development tools setup program.
CS+ Viocaciac [iocaciacia]
© xxxx Renesas Electronics Corporation
(Note)
Please end all Windows programs before executing this setup program.
< <u>B</u> ack Next > Cancel

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)

🔘 Installer - step 2/7 [Software License	Agreement]	×
Installer - step 2/7 [Software License	Agreement] THE END USER LICENSE AGREEMENT Please read the following end user license agreement. SOFTWARE LICENSE AGREEMENT THIS SOFTWARE LICENSE AGREEMENT, made and entered into by and between Renesas Electronics Corporation, a Japanese corporation having its principal place of business at 2-6-2. Ote- machi, Chiyoda-ku, Tokyo 100-0004, Japan ("LICENSOR") and the Customer ("LICENSEE") with the following terms and conditions about the provided software program ("Licensed Program"). SECTION 1.(LICENSE)	• • • • • • • • • • • • • • • • • • •
	December 1.(DECNDE) 1.1 Subject to complying to the terms and conditions set forth herein and executing only for develop the other program as executing the rights and licenses relating to the Licensed Program, LICENSOR grants to LICENSEE non-exclusive and non-transferable rights relating to the Licensed Program set forth in follows: Do you accept to the end user license agreement?	Ŧ
	<u>Accept</u> O <u>Do not accept</u>	
	< Back Next > Canc	cel

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)
riguio 2.0	integrated instance	Development	

Please specify the development tools to install.	
CS+ for CC	
Tools for RL78 family	
Tools for RX family	
✓ Tools for R <u>H</u> 850 family	Drive: C:
CS+ for CA,CX	Free space:
▼ Tools for RL78 and 78K family	
▼ Tools for <u>V</u> 850 family	119,242,010KB Required space:
Emulator USB drivers	ails > 2,299,500KB
nstall location	
C:\Program Files (x86)\Renesas Electronics\	Browse

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 Co	mponents)

Component Selection		
Product Name	Size	-
CS+ for CC Vx.xxxxx (Must Install)	335544KB	
RL78 Compiler CC-RL Vx x xx	21600KB	
RX Compiler CC-RX Vx x xx	27472KB	
RH850 Compiler CC-RH Vx.x.xx	22124KB	
Device Information for RL78 (CS+ for CC) Vx x vx (Must Install)	39531KR	
Explanation:	Drive: C	
	Free space:	
	119,232,0	77K
	Required spi	
	- 2,299,5	
Install location		
C:\Program Files (x86)\Renesas Electronics\	Browse	
< <u>B</u> ack	Next >	Cano

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

Figure 2.8	Integrated Installer (Installation	Settinas	Confirmation)	1
1 19010 2.0	mogratoa motanor (moundation	Coungo	commuter	

Installer - step 5/7 [Installation Settings Confirmation]	-
Setup is now ready to install CS+ on your computer. If the newer version is already installed , the older version may not be installed.	
- Tools for RX family	*
Install location C:\Program Files (x86)\Renesas Electronics\	
1	
	-
Click [Next] button to start installation.	
< Back Next >	Cancel

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)

🕽 Insta	aller - step 6/7 [Installation Execution]	23
	Install Status:	
	CS+ for CC Vox.xxxx:Installing Installation completed successfully. RX Compiler CC-RX Vox.xx.xx:Installing	
	Abort Installations < Back	el

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)

 All installations were completed : 	successfully.		-
The latest product update informa checked.	ation can be checked whe	en the "Launch Update Manage	r." is
			-
Launch Update Manager.			

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

🖗 Renesas Microcontroller Tools Uninstaller	— ×-
Please select the items to be uninstalled.	ect all Unsele <u>c</u> t all
Product	
 ✓ CS+ CC-RX Vxx xx.xx ✓ CS+ Code Generator for RX ✓ CS+ DevInfo_RX ✓ CS+ Update Manager ✓ CS+ for CC 	Uninstall
*	RENESAS

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)

🖗 Renesas Microcontroller Tools Uninstaller		83
Please select the items to be uninstalled.	Select all Uns	ele <u>c</u> t all
Product		
 CS+CC-RX Vxx.xx.xx CS+ Code Generator for RX CS+ DevInfo_RX CS+ Update Manager CS+ for CC 	<u>U</u> nins <u>A</u> bort Unins E _X it	tallation
CS+ CC-RX Vxx.xx.xx:Uninstalling Uninstallation completed successfully. CS+ Code Generator for RX:Uninstalling		
		SVZ



- 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)

Renesas Microcontroller Tools Uninstaller	
Please select the items to be uninstalled.	Select all Unselect all
Product	
	Uninstall
	Exit
Uninstallation completed successfully. CS+ Update Manager:Uninstalling Uninstallation completed successfully.	•
CS+ for CC:Uninstalling Uninstallation completed successfully. - All installations were completed successfully.	
	RENESAS

Click the [Exit] button to complete the uninstallation.

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



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		Page	Summary
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