

CS+ V3.00.00

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 re application systems.
Purpose	This manual is intended to g for reference in developing t	ive users an understanding of the functions of the CS+ to use he 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 reade circuits, and microcontrollers	rs of this manual have general knowledge of electricity, logic S.
Conventions	Data significance: Active low representation: Note: Caution: Remarks: Numeric representation:	Higher 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

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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
rigaro z.i	i iopuning to	motuli i ugo

🕼 the Renesas Electronics microcontroller development tools installer - Readme First	• 💌
Ja Entegrated Development Environment for Embedded Systems	apanese
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 & 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 and Microsoft Visual C++ 2010 SP1 runtime libraries are required to run CS+. If these are not installed these are installed by the CS+ estup.	
To the customer who downloads the evaluation CS+ from the web site and uses Windows XP, Windows Vista or Windows 7 environment. When "Microsoft NET Framework 4" 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". And please install "Microsoft NET Framework 4" to the PC before CS+ setup.	
 Please use the latest edition for Microsoft .NET Framework 4 and Microsoft Visual C++ 2010 SP1. 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
 - Microsoft Visual C++ 2010 SP1 runtime libraries

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 S	Settings]	×
Terrated Development Derivanment for Embedded Systems	.NET Framework and Visual C++ runtime libraries are required to run CS+. Install following item(s). - Microsoft Visual C++ 2010 SP1 Redistributable Package (x86) - Microsoft .NET Framework 4 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]	Σ
nstall Status:	
- Microsoft Visual C++ 2010 SP1 Redistributable Package (x86):Installing	*
	-
< Back Next >	Cancel

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+ Viocator [iocatoration]
© 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.



🔞 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 ("LICENSE") with the following temms and conditions about the provided software program ("Licensed Program"). SECTION 1.(LICENSE) 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 LICENSER	×
1 Contraction of the second	Do you accept to the end user license agreement?	
	< Back Next > Canc	el

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.



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.

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	Erro annos:
✓ Tools for RL78 and 78K family	riee space.
✓ Tools for <u>V</u> 850 family	IZZ,894,737KE Required space:
Emulator USB drivers	ails > 1,036,694KE
istall location	
:\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 Componer	nts)
------------	---------------------------------------	------

Product Name			Size
CS+ for CC Vxx xx xx	(Must Install)	4	36207KB :
RX Compiler CC-RX	νος χος χος		28940KB
Device Information for	or RX Vxxxxxx (Must Install)		53791KB
Code Generator for F	X Vocuocuox		16043KB
CS+ Utilities Vor or o	r (Must Install)		2212KR
Install location	Te decise)	Re	e space: 122,895,261k quired space 569,362k
the state of the second st	enesas Electronics \		Browse

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)
i iguio 2.0	integrated motaner (instantation	Octaingo	Communication

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	iller - step 6/7 [Installation Execution]	23
	Install Status:	
	CS+ for CC Vox.xxx:installing Installation completed successfully. RX Compiler CC-RX Vox.xxx:Installing	
	<u>Abort Installations</u>	
	< <u>B</u> ack <u>N</u> ext > Canc	cel

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)
<u> </u>		

	- d	_
- All Installations were complete	ed successfully.	*
The latest product update info checked.	mation can be checked when the "Launch Update Manager." 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 or Windows 8.1, click on [Uninstaller] on the start screen.

Figure 2.11 Integrated Uninstaller Window

P Renesas Microcontroller Tools Uninstaller		×
Please select the items to be uninstalled.	Select all	Unsele <u>c</u> t all
Product		
 ✓ CS+ CC-RX Vxx.xx.xx ✓ CS+ Code Generator for RX ✓ CS+ DevInfo_RX ✓ CS+ DevInfo_RX 		Uninstall
 ✓ CS+ Update Manager ✓ CS+ for CC 		E <u>x</u> it
	*	
	, R	ENESAS

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)

P Renesas Microcontroller Tools Uninstaller	X
Please select the items to be uninstalled.	ct 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 Abort Uninstallation Exit
CS+ CC-RX Vxx.xx.Wninstalling Uninstallation completed successfully. CS+ Code Generator for RX:Uninstalling	
~	Renesas



- 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 Unsele <u>c</u> t all
Product	Lininstall Abort Uninstallation Egit
Uninstallation completed successfully. CS+ Update Manager:Uninstalling Uninstallation completed successfully. CS+ for CC:Uninstalling Uninstallation completed successfully.	
- All installations were completed successfully.	

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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