R20TS0895EC0100

Rev.1.00

Dec. 01, 2022

# [Notes] e<sup>2</sup> studio Smart Configurator for RL78 Plug-in, Smart Configurator for RL78

# Outline

When using the products in the title, note the following points.

- 1. Notes when changing version of Board Support Program (BSP) or RL78 Software Integration System (SIS) modules
- 1. Notes when changing version of BSP or RL78 SIS modules
- 1.1 Applicable Products
  - > e<sup>2</sup> studio 2021-04 (Smart Configurator for RL78 Plug-in V1.0.1) or later
  - Smart Configurator for RL78 V1.0.1 or later

#### 1.2 Applicable Devices

RL78 family:

- ➢ RL78/G23
- > RL78/F24
- > RL78/G15

### 1.3 Details

After performing [Change version...] for BSP or RL78 SIS modules, version seems be changed successfully in the "Overview" summary. But actually some of the source code files are still the old version. (Refer to Figure1-1). As result, user can't aware the version unchanged and it may cause build error in some cases.

Components 🛛 🚵 🛃 🖂	Configure	😨 Change Version — 🗆 🗙
		Version Selection
彩 談	Property	Select available version
type filter text	V 🏶 Configurations	
V 🔁 Startup	# Start up selec	Component name: r_bsp
🗸 🗁 Generic	# Control of inv	Current version: 1.00
🚱 r_bs	# RAM guard s	Available versiter 1.30
✓ ➢ Drivers Change version		Available versioner 1.50
🗸 🗁 Data tri 🙀 Remove		
Con A/D co Reset to default		
	nport sample projects	
Download and in		? < Back Next > Finish Cancel
	# Parameter ch	
<ul> <li>Current Configuration</li> </ul>		
Selected board/device: R7F100GLG	SHER (ROM sizes 120KR RAM -	ISVE Distance
		The Project Explorer × □□ ■ readme.txt ×
Generated location (PROJECT_LOC	:\): src\smc_gen	□         □         □         □         □         1         Version         : RL78/G23         BSP v1.00           2         Release Date         : 2021/0≥/08
Selected components:		Support Compiler : CCRL, LVM, ICCRL
Component	Version	Config >      Includes
A/D Converter	1.1.0	
Board Support Packages v1.		r_bsp(u > > Config_ADC
<ul> <li>Data Transfer Controller</li> </ul>	1.1.1	
		I NE SOURCE CODE IS STILL THE
		old version "V1.00"
Overview Board Clocks System C	D'a latant	> > board
Overview Board Clocks System C	omponents Pins Interrupt	> 🥭 mcu
		> h platform.h
		E readme.ot

Figure 1-1 BSP/RL78 SIS module [Change version...] operation



# 1.4 Conditions

The issue occurs when any of the following conditions are met:

1. When using Smart Configurator for RL78 V1.4.0 and preferences setting [Smart Configurator] > [Component] > [Generating code] selects "Overwrite existing component"

pe filter text	Component	$\langle \neg \neg \neg \rangle$		
Renesas ^ Breakpoints	Code generation settings			
Device add-ins Support Launch Settings Logging Module Download	Generating code:	Overwrite existing component		
	Number of trash item (0-20):	5		
	API function output:	Output all API functions according to the setting		
My Renesas Renesas QE	API code style:	Value with macro description		
Renesas Toolchain Manag	Dependency settings			
Smart Browser	Change these options to control how a component is added			
<ul> <li>Smart Configurator</li> <li>Component</li> </ul>	Adding dependency: Add	dependent component		
MCU/MPU Package A Pin Errors/Warnings	Checking dependency: Igno	are if dependent component is newer		

Figure 1-2 "Overwrite existing component" setting

2. When using Smart Configurator (V1.0.1 or later) and preferences setting [Smart Configurator] > [Component] > [Generating code] selects "Do nothing if component exists"



Figure 1-3 "Do nothing if component exists" setting



# 1.5 Workaround

For the above 2 occurred conditions described in <u>1.4 Condition</u>, the workaround steps are recommended as below:

<1> Delete the specified configuration file under "r\_config" folder which want to perform [Change version...].



Figure 1-4 Configuration file which want to change version

<2> Change preferences [Smart Configurator] > [Component] > [Generating code] to select "Overwrite existing component". (Refer to <u>Figure1-2</u>)

<3> Click [Change version...] menu.

After <1>, <2>, <3>, the BSP or RL78 SIS modules files can be generated correctly as expected version.

If user clicks [Change version...] directly without step <1> and <2> , he will get the wrong version BSP or RL78 SIS files. For this case, the user can do <1> and <2>, then click [Generate Code] button. By this operation, the files can be refreshed to the correct version, too.



Figure 1-5 [Generate Code] button

Note : After performing the above workaround, please manually restore the previous selection of the [Smart Configurator] > [Component] > [Generating code] setting for other user operation.

#### 1.6 Schedule for Fixing the Problem

This problem will be fixed in the next version. (Scheduled to be released in Jan 2023.)



# **Revision History**

		Description		
Rev.	Date	Page	Summary	
1.00	Dec.01.22	-	First edition issued	

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