[Upgrade to Revision]

# Solution Toolkit

R20TS0836EJ0100 Rev.1.00 Apr. 16, 2022

QE for Capacitive Touch V3.1.0

# Development Assistance Tool for Capacitive Touch Sensors

### Outline

QE for Capacitive Touch, the development assistance tool for capacitive touch sensors, has been updated from V3.0.2 to V3.1.0.

1. Description

#### 1.1 Improved Functionality

> CTSU2SL touch IP support

CTSU2SL touch IP is supported. RX140 group MCUs, which are equipped with the CTSU2SL touch IP, and whose ROM size is 128 KB or 256 KB, can be used in the product.

> Fixed the problem with recording gestures

Applicable devices: RA2L1, RX231, RX140, RX671

When the user tries to record gestures in V3.0.1 and V3.0.2, the recording process does not start. This problem has been fixed in V3.1.0.

On the [Create Data List] dialog box, click on the [Start Recording Gesture] button to open the [Recording Your Gesture] dialog box. You can record gestures from there.

Create Data List	– 🗆 X	
Left. [DqT569, [KQT518 @ config01]       Up. [DqT568, [KQT518 @ config01]       Right. [DqT562, [KQT518 @ config01]	Down, [1X]1510, [6X]1518 @ config01 Recording Gesture Gesture Name Count	[Recording Your Gesture] opens. Record gestures in the dialog box.
	up 0	Recording Your Gesture
	right 0 down 0	Move your hands over the touch sensor to register gesture data you want the AI to learn. Registering at least 50 series of data for one gesture is recommended.
	Start Recording Gesture	Gesture Name: 🔶 up
	Setting Graph Size	REC
	O Small   Large  Delete Gesture Data	Recorded: 1
	Select all Deselect	Left Up Right Down
	Delete Divert Gesture Data Import Export	
▲ Gesture data is not registered. Start recording gestures.	Glose Help	1947
		ID: up1

For details of the update and how to install the product, refer to the release note at the link below.

QE for Capacitive Touch V3.1.0 Release Note https://www.renesas.com/document/rln/qe-capacitive-touch-v310-release-note



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# 2. Operating Environment

Integrated development environment e<sup>2</sup> studio 2022-04 or later
 For how to use the product, select [Help] in e<sup>2</sup> studio and refer to QE.

### 3. Obtaining the Product

Download the installer for QE for Capacitive Touch V3.1.0 from the link below.

https://www.renesas.com/software-tool/qe-capacitive-touch-development-assistance-tool-capacitive-touch-sensors#release



## **Revision History**

		Description	
Rev.	Date	Page	Summary
1.00	Apr.16.22	-	First edition issued

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