
Renesas Synergy™ Platform

SK-S7G2 v.2.0 Out-of-Box Demo Programming Guidelines

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Introduction

This guide covers how to reload the out-of-box demo onto the SK-S7G2 Kit. To follow the guide, a full JTAG software installation is not needed, as a copy of a supported version is included.

Target Device

- SK-S7G2 v.2.0

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1. Prerequisites

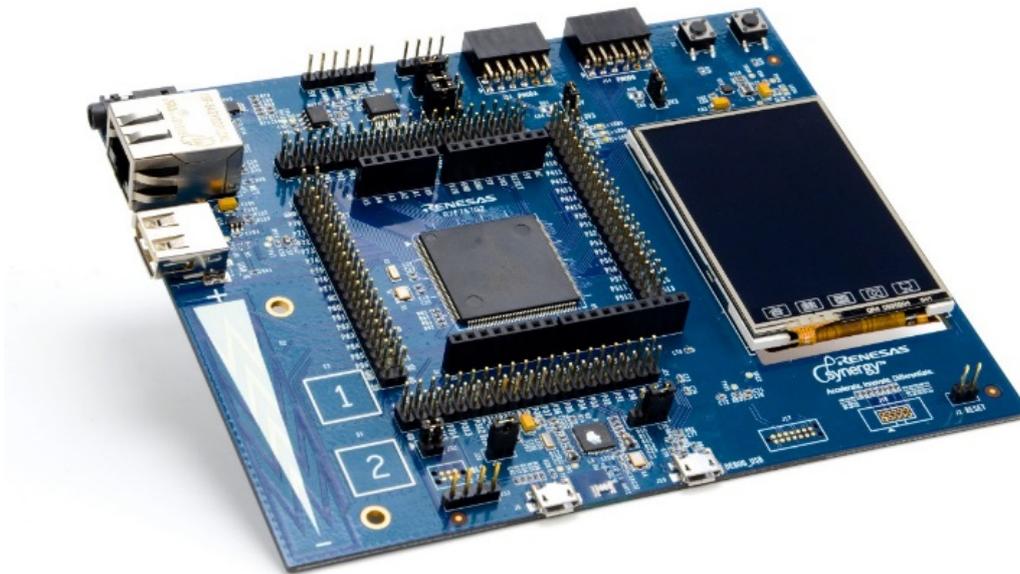
1.1 Required software and tools

Minimum PC Requirements: Microsoft® Windows® 7 with Intel® Core™ family processor running at 2.0 GHz or higher (or equivalent processor), 8 GB memory, 250 GB hard disk or SSD, USB 2.0, Connection to the Internet.

Install e² studio v4.2.0.012 or later. This out-of-box demo requires the drivers that are installed with e² studio version 4.2.0.012. e² studio v4.2.0.012 is available on <https://synergygallery.renesas.com/>. Synergy Software Package (SSP) version is v1.0.0

2. SK-S7G2 Kit

This programming guide applies to version 2.0 of the SK-S7G2 Development Kit. The out-of-box demo that we load may be a newer and improved version compared to the factory installed demo.



3. Reload the out-of-box demo

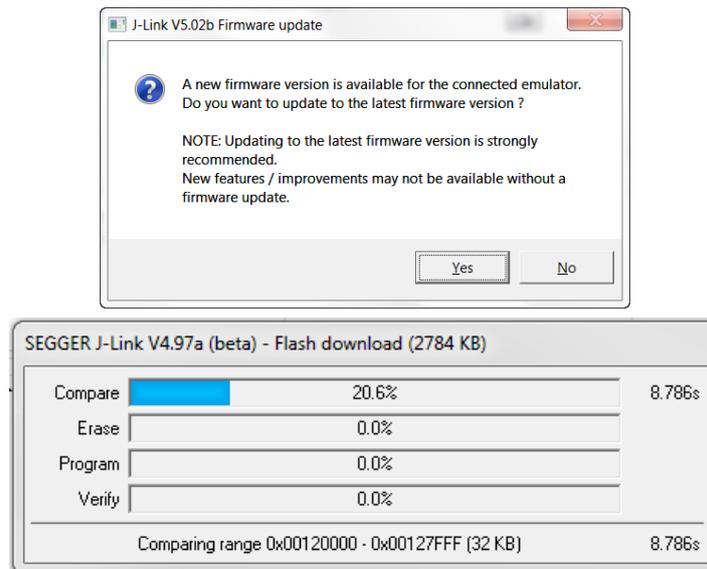
Follow these steps to reload the out-of-box demo onto the development kit.

1. Connect the Micro USB end of the supplied USB cable to the SK-S7G2 board J-19 connector (DEBUG_USB).



2. Connect the other end of the USB cable to the USB port on your PC. LED4 on the SK-S7G2 lights green indicating the SK-S7 is now properly connected to the PC.
3. In Windows Explorer, double click "Program SK-S7 OOB Demo.bat" to program the SK-S7G2 with the out-of-box demo.

NOTE: If the update J-Link firmware dialog box is displayed, we highly recommend that you click **Yes**. Programming failure may occur if you update the firmware. If this happens just double click on the .bat file again.

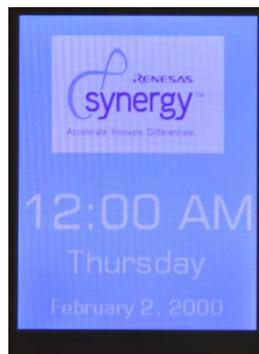


Jlink is programming the SK-S7G2 with the Out-Of-Box Demo

The out-of-box demo application is now loaded onto the SK-S7G2 board and the board is automatically reset.

4. Out-of-box demo notes

1. Once plugged in, the SK-S7G2 board will power up, and the LCD will display a splash screen as shown in the next figure.



2. Tap the splash screen to enter the Thermostat demo. In this demonstration, the SSP uses the A/D converter to read the internal temperature sensor of the S7G2 and display this information on the LCD Display.



3. Tap the settings icon (looks like a gear) on the bottom right to make adjustments to the system including Units, Time and Date.

5. Version information for the out-of-box demo

- SK-S7G2 v.2.0
- Out-Of-Box Demo Application v.1.0
- Synergy Software Package (SSP) v.1.0.0

Website and Support

Support: <https://synergygallery.renesas.com/support>

Technical Contact Details:

- America: https://renesas.zendesk.com/anonymous_requests/new
- Europe: <https://www.renesas.com/en-eu/support/contact.html>
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Revision History

Rev.	Date	Description	
		Page	Summary
1.0	Jan 5, 2016	-	Initial version
1.01	Jun 17, 2016	2, 4	Specified SSP v1.0.0
1.02	Nov 18, 2016	-	Minor formatting changes.

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Renesas Electronics America Inc.

2801 Scott Boulevard Santa Clara, CA 95050-2549, U.S.A.
Tel: +1-408-588-6000, Fax: +1-408-588-6130

Renesas Electronics Canada Limited

9251 Yonge Street, Suite 8309 Richmond Hill, Ontario Canada L4C 9T3
Tel: +1-905-237-2004

Renesas Electronics Europe Limited

Dukes Meadow, Millboard Road, Bourne End, Buckinghamshire, SL8 5FH, U.K
Tel: +44-1628-585-100, Fax: +44-1628-585-900

Renesas Electronics Europe GmbH

Arcadiastrasse 10, 40472 Düsseldorf, Germany
Tel: +49-211-6503-0, Fax: +49-211-6503-1327

Renesas Electronics (China) Co., Ltd.

Room 1709, Quantum Plaza, No.27 ZhiChunLu Haidian District, Beijing 100191, P.R.China
Tel: +86-10-8235-1155, Fax: +86-10-8235-7679

Renesas Electronics (Shanghai) Co., Ltd.

Unit 301, Tower A, Central Towers, 555 Langao Road, Putuo District, Shanghai, P. R. China 200333
Tel: +86-21-2226-0888, Fax: +86-21-2226-0999

Renesas Electronics Hong Kong Limited

Unit 1601-1611, 16/F., Tower 2, Grand Century Place, 193 Prince Edward Road West, Mongkok, Kowloon, Hong Kong
Tel: +852-2265-6688, Fax: +852 2886-9022

Renesas Electronics Taiwan Co., Ltd.

13F, No. 363, Fu Shing North Road, Taipei 10543, Taiwan
Tel: +886-2-8175-9600, Fax: +886 2-8175-9670

Renesas Electronics Singapore Pte. Ltd.

80 Bendemeer Road, Unit #06-02 Hyflux Innovation Centre, Singapore 339949
Tel: +65-6213-0200, Fax: +65-6213-0300

Renesas Electronics Malaysia Sdn.Bhd.

Unit 1207, Block B, Menara Amcorp, Amcorp Trade Centre, No. 18, Jln Persiaran Barat, 46050 Petaling Jaya, Selangor Darul Ehsan, Malaysia
Tel: +60-3-7955-9390, Fax: +60-3-7955-9510

Renesas Electronics India Pvt. Ltd.

No.777C, 100 Feet Road, HALII Stage, Indiranagar, Bangalore, India
Tel: +91-80-67208700, Fax: +91-80-67208777

Renesas Electronics Korea Co., Ltd.

12F., 234 Teheran-ro, Gangnam-Gu, Seoul, 135-080, Korea
Tel: +82-2-558-3737, Fax: +82-2-558-5141