

Renesas Synergy™ Platform

**PK-S5D9 v1.0 Out-of-Box Demonstration
Programming Guidelines**R20AN0506EU0100
Rev.1.00
Jun 13, 2018**Introduction**

This guide covers how to reload the out-of-box (OOB) demonstration on the PK-S5D9 Kit. To follow the guide, a full JTAG software installation is not needed, as a copy of a supported version is already included.

Minimum PC Requirements

- Microsoft® Windows® 7 or 10 with Intel® Core™ family processor running at 2.0 GHz or higher (or equivalent processor)
- 8 GB memory RAM
- 250 GB free space on hard disk or SSD
- USB 2.0
- Connection to the Internet

Required Resources

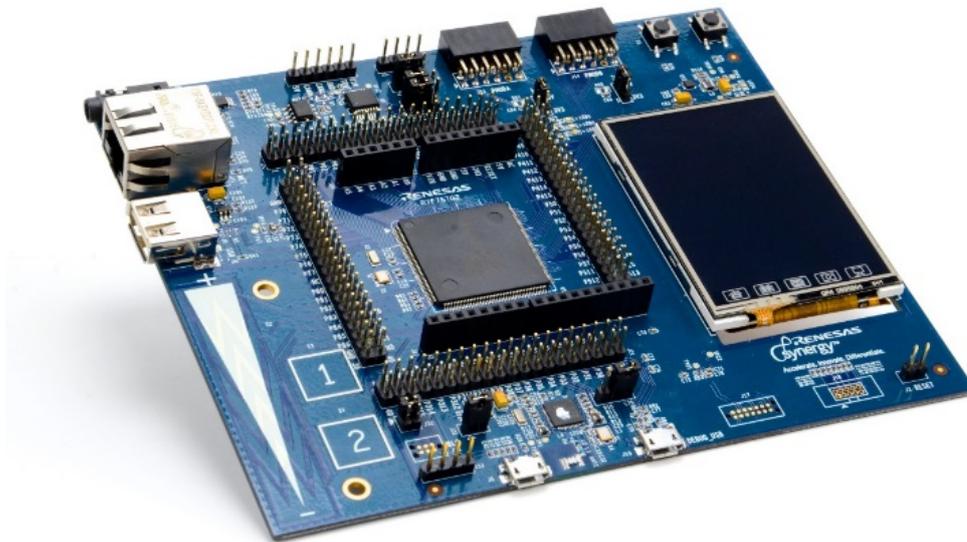
- Promotion Kit S5D9 (PK-S5D9)
- e² studio ISDE v6.2.0 or greater or IAR EW for Synergy v8.21.1 or greater
- SSP v1.4.0 or greater and Synergy Standalone Configurator (SSC) v6.2.0 or greater
- SEGGER J-Link® USB driver
- Micro USB cables

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1. About the PK-S5D9 Kit

This programming guide applies to the PK-S5D9 Kit. The OOB demonstration that we load may be a newer and improved version compared to the factory installed demonstration.

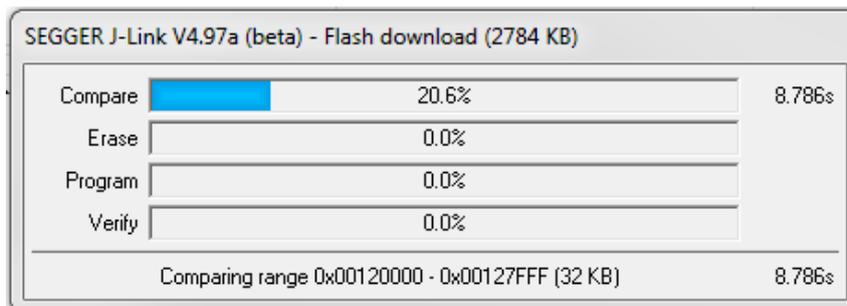


2. Reload the out-of-box demonstration

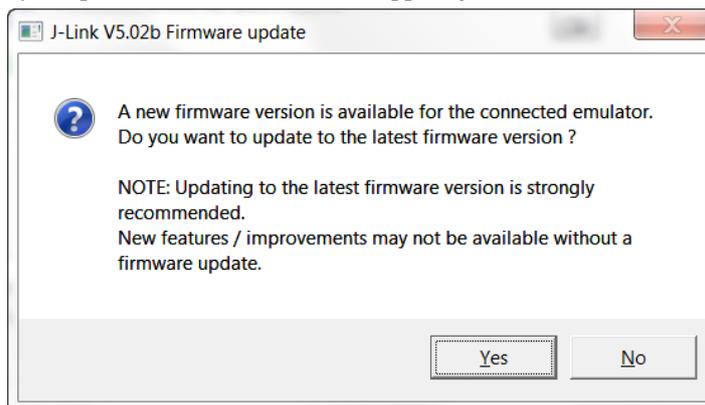
Follow these steps to reload the OOB demonstration on the PK-S5D9.



1. Connect the Micro USB end of the supplied USB cable to the PK-S5D9 board J19 connector (DEBUG_USB).
2. Connect the other end of the USB cable to a USB port of the PC. The LED4 on the PK-S5D9 lights green indicating the PK-S5D9 is now properly connected to the PC.
3. In Windows Explorer, double click “Program PK-S5 OOB Demo.bat” to program the PK-S5D9 with the OOB demonstration image.



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.



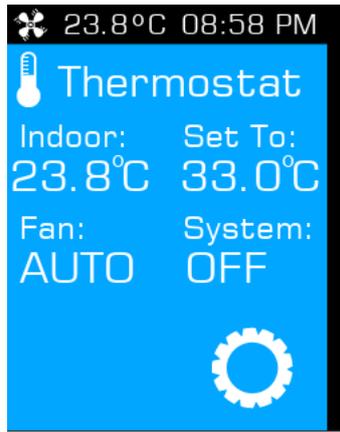
The OOB demonstration application is now loaded onto the PK-S5D9 and the board is automatically reset.

3. Notes for the out-of-box demonstration

1. Once plugged in, the PK-S5D9 will power up, and the LCD will display a splash screen as shown in the below 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 S5D9 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.

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Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Jun 13, 2018	-	Initial version

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