

EFM8 Sleepy Bee Family QSG130: EFM8SB2-SLSTK2011A Quick Start Guide

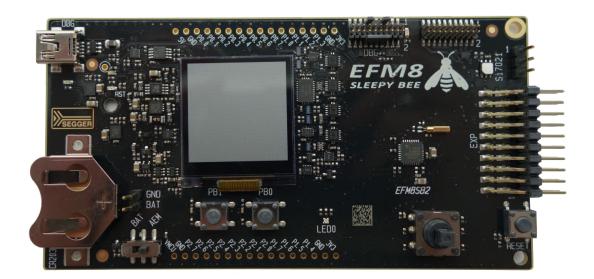


The EFM8SB2-SLSTK2011A is an excellent starting point to get familiar with the EFM8 Sleepy Bee microcontrollers.

The kit contains sensors and peripherals demonstrating some of the MCU's many capabilities. The kit can also serve as a starting point for application development.

KIT CONTENTS

- EFM8SB2 Sleepy Bee Starter Kit Board
 1 x mini USB cable
- 1 x CR2032 coin cell battery
- Getting Started card



1. Getting Started

Install Simplicity Studio

Simplicity Studio is a free software suite needed to start developing your application. Download the latest version of Simplicity Studio from the Silicon Labs website:

http://www.silabs.com/simplicity-studio

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	EFM8BB1 CPT112S Demo () This example project uses the EFM8 LCD to demonstrate the use of	EFM88B1 ADC Lib Accumulate	AN114 Hand Soldering Tutori
	EFM8BB1 Oscilloscope	EFM8BB1 ADC Lib Interrupt Interrupt This example demonstrates using the EFM8 ADC peripheral driver library to sample.	AN124 Pin Sharing Technique 皆
	ksps and displays the measured	EFM88B1 ADC Lib Interrupt Lo	AN136 Production Programm 🖺 AN203 C8051Fxxx Printed Circ 貰
	This example demonstrates the RGB I FD	ADC peripheral driver library to sample	SILICON LABS

Note: The board comes pre-loaded with a default application, Clock, to play with while the software downloads.

- · Set Up Your Kit
 - 1. Provide power to the board by connecting the DBG USB connector to the PC using the provided USB cable.

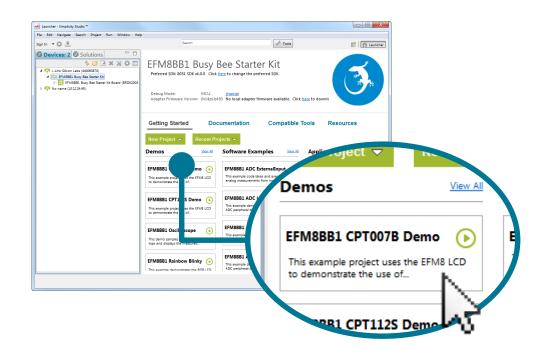


- · Detect Your Device
 - 1. Wait for the J-Link debug adapter to appear in the [**Devices**] area. The board may take some time to appear due to driver installations for the debug adapter.
 - 2. Click the J-Link debug adapter or the board information corresponding to the board. This will verify that the installation was successful, identify the MCU on the kit hardware, and automatically configure the software tools for use with your device.

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	EFM8BB1 CPT112S Demo	EFM88B1 ADC Lib Accumulate	AN119 Calculating Settling Ti	
	EFM8BB1 Oscilloscope () This demo samples the ADC input at 500 ksps and displays the measured	EFM88B1 ADC Lib Interrupt	AN124 Pin Sharing Technique 🛅 AN136 Production Programm 🛅	
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Run Blinky

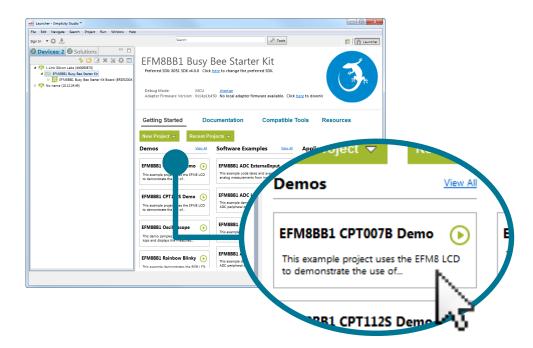
Click the [Demos] tile to load the available demos. Select [Rainbow Blinky] and click [Start] to download and run the demo. Follow the instructions on the kit LCD screen to run the demo.



2. Resources

Demos

Demos are a quick and easy way to evaluate a device without compiling or debugging code. Demos can be accessed using the [Get-ting Started]>[Demos] area in the launcher.



Software Examples

Software examples can be imported, compiled, and downloaded using the [Getting Started]>[Software Examples] area in the launcher.

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Software Documentation

Software documentation provides more information on the firmware libraries available for the selected device. Access these documents using the [**Documentation**] area in the launcher.

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Kit Documentation and User's Guide

Kit documentation like the schematic and detailed board user guide can be found using the [Documentation] area of the launcher.

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Application Notes

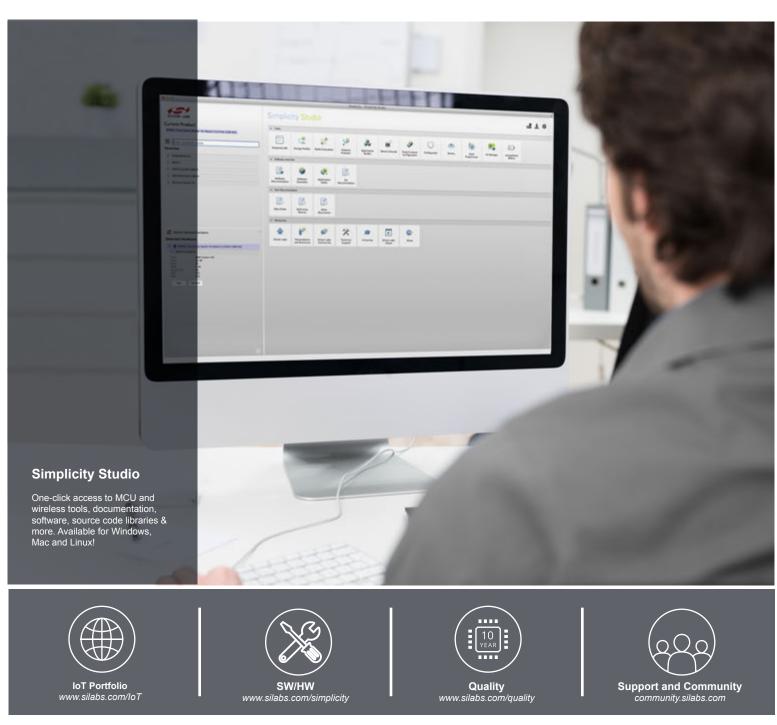
Application Notes on peripherals and other various topics can be accessed using the [Getting Started]>[Software Examples] area of the launcher.



Community and Support

Have a question? Visit the community by clicking the [Resources]>[Silicon Labs Community] area of the launcher.

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