

# EFM8 Busy Bee Family QSG129: EFM8BB2-SLSTK2021A Quick Start Guide

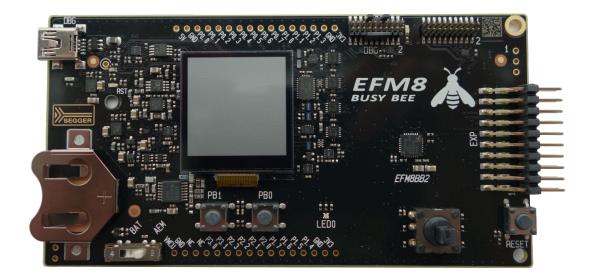


The EFM8BB2-SLSTK2021A is an excellent starting point to get familiar with the EFM8 Busy Bee microcontrollers.

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

- EFM8BB2 Busy Bee Starter Kit Board
  1 x mini USB cable
- 1 x CR2032 coin cell battery
- Getting Started card



# 1. Getting Started

Install Simplicity Studio

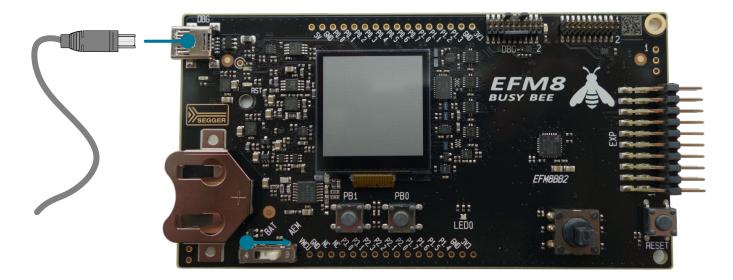
Simplicity Studio is a free software suite needed to start developing your application. Download the latest version of Simplicity Studio from the Silicon Labs website:

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

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	This demo samples the ADC input at 500 ksps and displays the measured		AN136 Production Programm 🛅
	EFM8BB1 Rainbow Blinky () This example demonstrates the RGB IED	EFM8BB1 ADC Lib Interrupt Lo This example demonstrates using the EFM8 ADC peripheral driver library to sample	AN203 C8051Fxxx Printed Circ 🖺
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Note: The board comes pre-loaded with a default application, Space Invaders, 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.

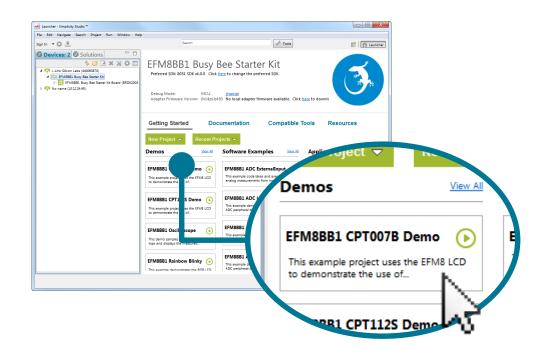


- Detect Your Device
  - 1. Wait for the J-Link debug adapter to appear in the [Devices] area. The board may take some time to appear due to driver installations for the debug adapter.
  - 2. Click the J-Link debug adapter or the board information corresponding to the board. This will verify that the 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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	New Project - Recent Pro Demos View All	Software Examples	EFM Busy Bee Sta	1th
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### Run Blinky

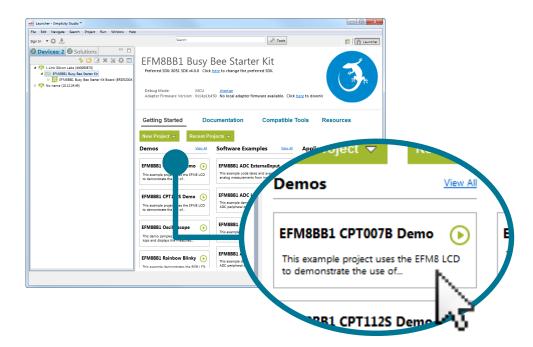
Click the [Demos] tile to load the available demos. Select [Rainbow Blinky] and click [Start] to download and run the demo. Follow the instructions on the kit LCD screen to run the demo.



## 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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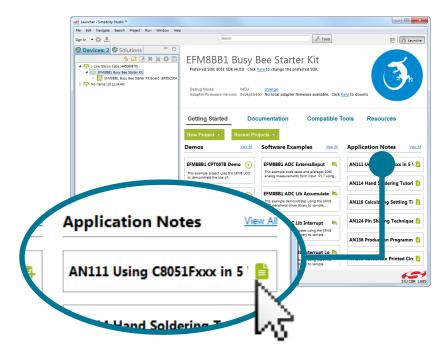
#### Kit Documentation and User's Guide

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**

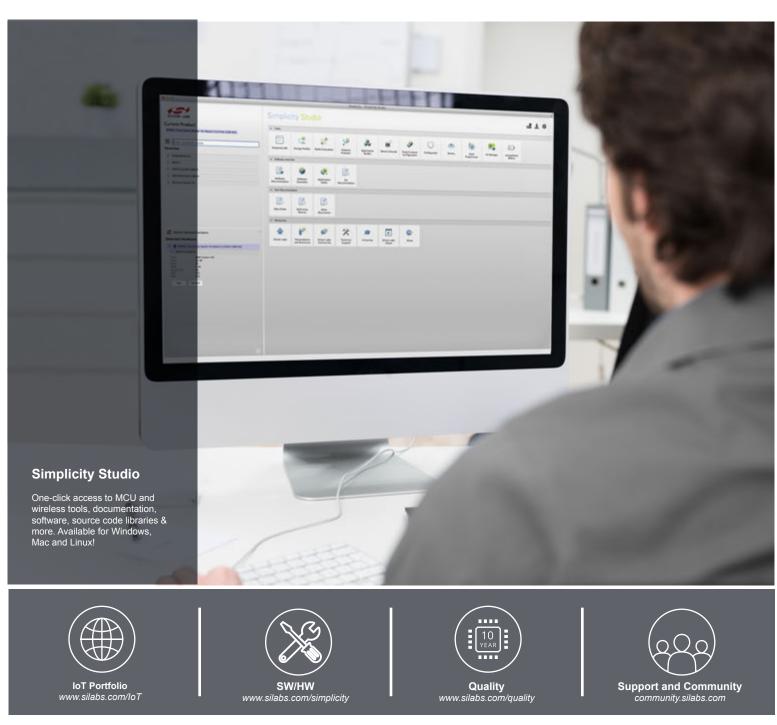
Application Notes on peripherals and other various topics can be accessed using the [Getting Started]>[Software Examples] area of the launcher.



## **Community and Support**

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

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		Getting Started Documentation Compatible Tools Resources
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