silabs Voice Control Light Application User Guide

Contents

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Specifications

- Hardware: EFR32xG24 Dev Kit Board BRD2601B Rev A01
- Software: Simplicity Studio

Product Usage Instructions

Step 1: Open Simplicity Studio

- Launch Simplicity Studio by clicking the rocket button in the top right corner of the application.

Step 2: Connect your Device

- Connect your EFR32xG24 Dev Kit to your computer and wait for about 10 seconds for the device to be recognized by Simplicity Studio.
- **Troubleshooting:** If your device isn't recognized, click the refresh button in the Debug Adapters sub-window (usually located at the bottom left).

Step 3: Select your Device

- Choose your connected device from the Connected Devices dropdown menu and click Start.

Step 4: Navigate to the Demo

- Go to Example Projects & Demos. In the left-hand context menu, scroll down to Capability and select Machine Learning.

Step 5: Run the Demo

- Find the Voice Control Light demo and click Run. This will flash the pre-built binary onto your board.

Introduction

This guide provides instructions for quickly demonstrating the Voice-Control Light application using pre-built binaries. This demo allows you to control an LED on an EFR32xG24 Dev Kit (BRD2601B Rev A01) by speaking "on" or "off" into a microphone.

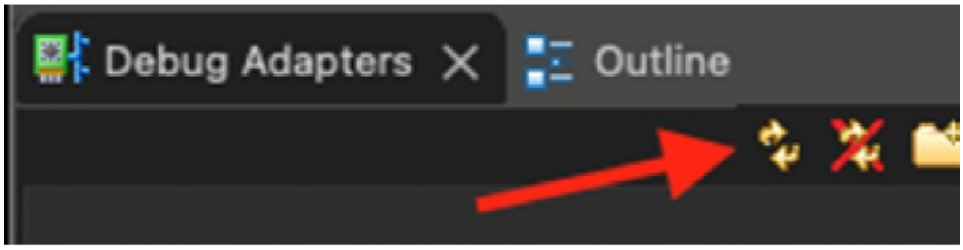
- **Hardware:** EFR32xG24 Dev Kit Board (BRD2601B Rev A01)
- **Software:** Simplicity Studio

Guidance

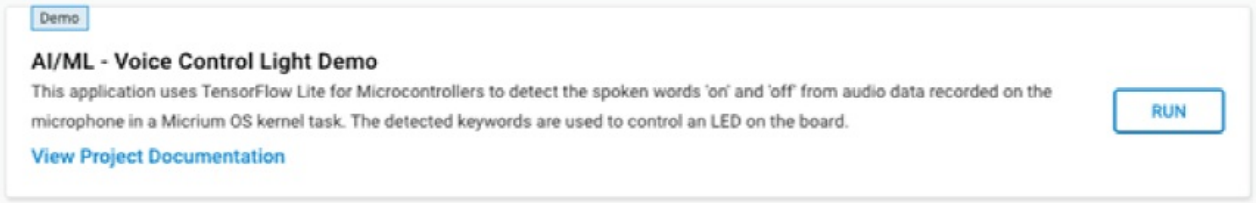
Steps

1. **Open Simplicity Studio:**
    - Launch Simplicity Studio (using the rocket button in the top right corner).2.

2. **Connect your Device:**
    - Connect your EFR32xG24 Dev Kit to your computer. Wait 5-10 seconds for the device to be recognized by Simplicity Studio.
        - **Troubleshooting:** If your device isn't recognized, click the "refresh" button in the "Debug Adapters" sub-window (usually located at the bottom left).



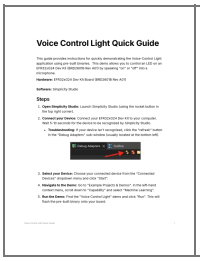
3. **Select your Device:**
    - Choose your connected device from the "Connected Devices" dropdown menu and click "Start".4.
4. **Navigate to the Demo:**
    - Go to "Example Projects & Demos". In the left-hand context menu, scroll down to "Capability" and select "Machine Learning".5.
5. **Run the Demo:**
    - Find the "Voice Control Light" demo and click "Run". This will flash the pre-built binary onto your board.



FAQ

- **Q:** What should I do if the LED does not respond to my voice commands?
    - **A:** Ensure that the microphone is properly positioned and that there is no background noise interfering with the voice recognition.
- **Q:** Can I customize the voice commands to control different LEDs?
    - **A:** The pre-built binary may not support customization, but you can explore modifying the code to adapt it to control different LEDs based on specific voice commands.

Documents / Resources

	silabs Voice Control Light Application [pdf] User Guide Voice Control Light Application, Control Light Application, Light Application, Application

References

- User Manual