Voice Control Light Quick Guide

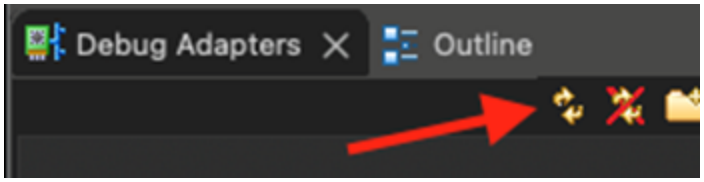
This guide provides instructions for quickly demonstrating the Voice-Control Light application using pre-built binaries. This demo allows you to control an LED on an EFR32xG24 Dev Kit (BRD2601B Rev A01) by speaking "on" or "off" into a microphone.

Hardware: EFR32xG24 Dev Kit Board (BRD2601B Rev A01)

Software: Simplicity Studio

Steps

1. **Open Simplicity Studio:** Launch Simplicity Studio (using the rocket button in the top right corner).
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. **Navigate to the Demo:** Go to "Example Projects & Demos". In the left-hand context menu, scroll down to "Capability" and select "Machine Learning".
5. **Run the Demo:** Find the "Voice Control Light" demo and click "Run". This will flash the pre-built binary onto your board.


Demo
AI/ML - Voice Control Light Demo
This application uses TensorFlow Lite for Microcontrollers to detect the spoken words 'on' and 'off' from audio data recorded on the microphone in a Micrium OS kernel task. The detected keywords are used to control an LED on the board.
View Project Documentation
RUN