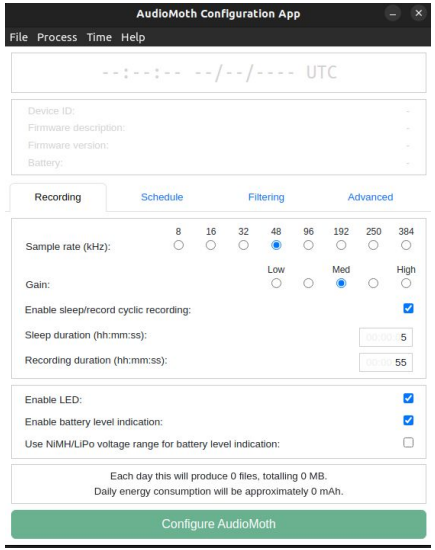
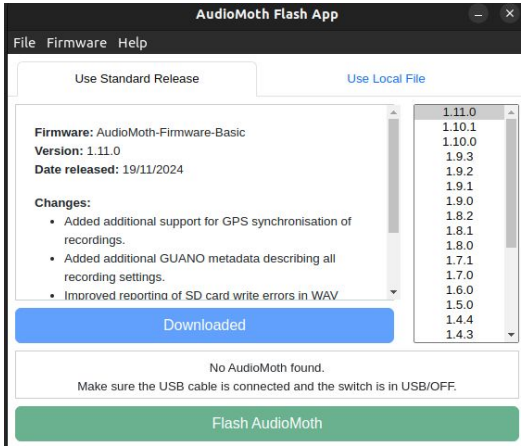
Audiomoth recording Manual

Mobile type

Overview

AudioMoth is a low-cost, full-spectrum acoustic logger, based on the Gecko processor range from Silicon Labs. Just like its namesake the moth, AudioMoth can listen at audible frequencies, well into ultrasonic frequencies. It is capable of recording uncompressed audio to microSD card at rates from 8,000 to 384,000 samples per second

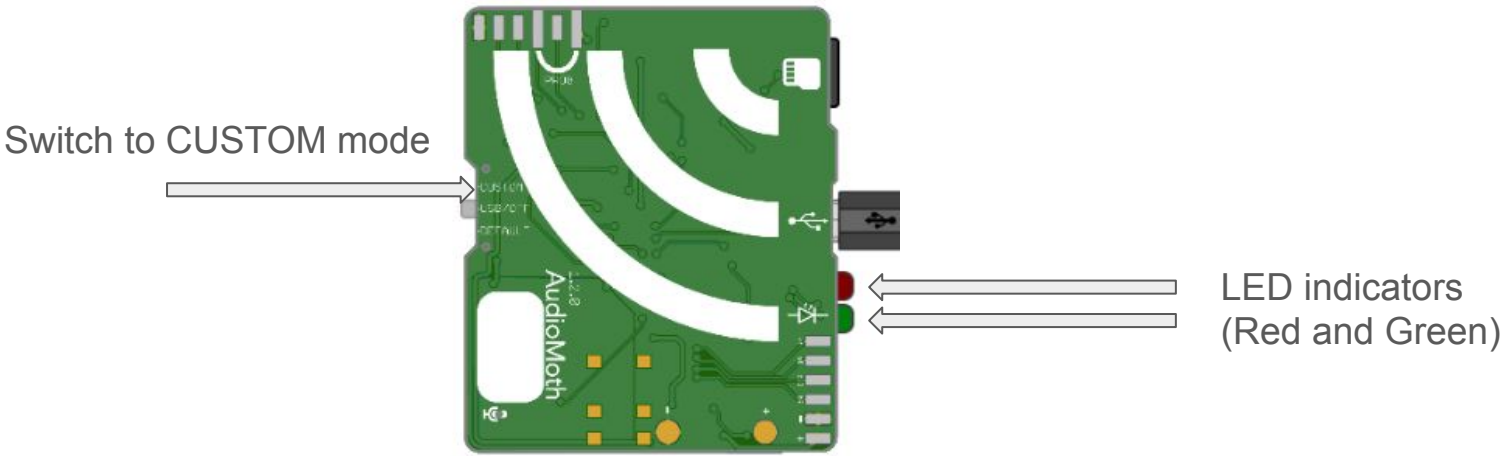




Notes configurations used for adjusting the Audiomoth.
Do not need to set up.
They are already pre configured at AIT

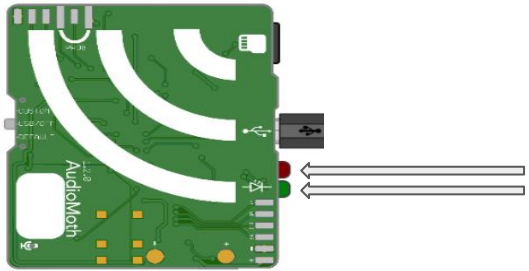
Usage

First step: Begin by inserting the three AA batteries and the SD card for audio file storage. Then, switch the device to the custom mode.

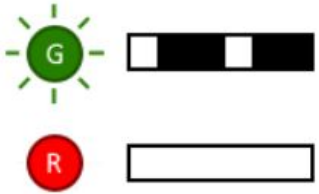


Usage

Second step: observe the green and red blinking signals



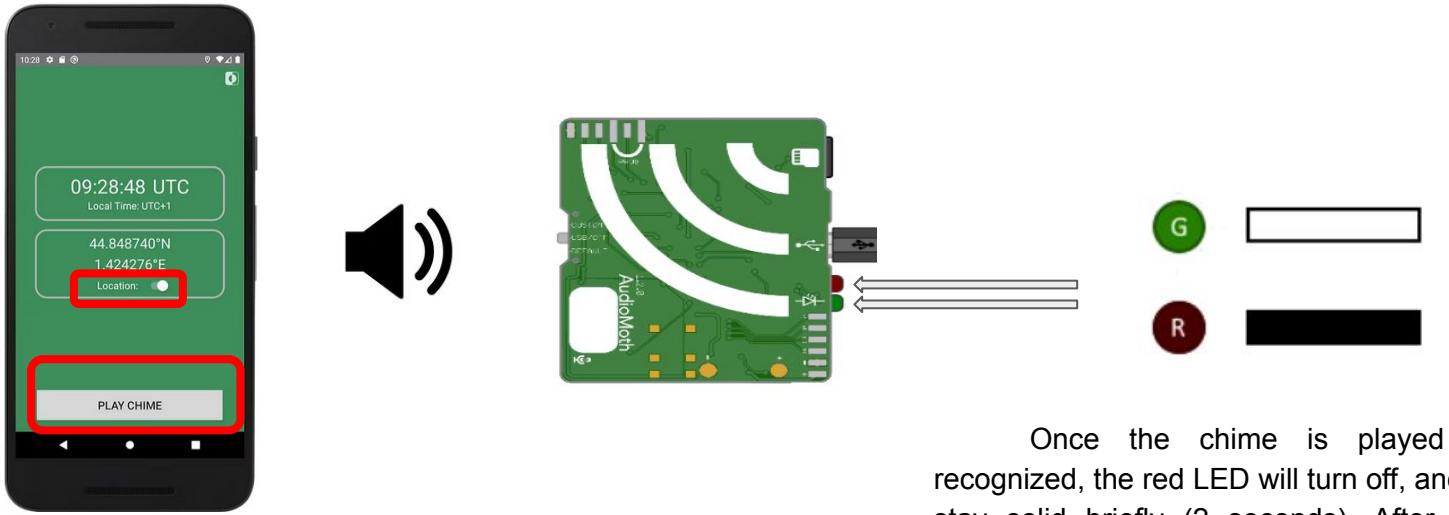
LED indicators
(Red and Green)



When the switch is turned to CUSTOM mode, the red light will stay solid while the green light flashes briefly (100ms), indicating the device requires activation.

Usage

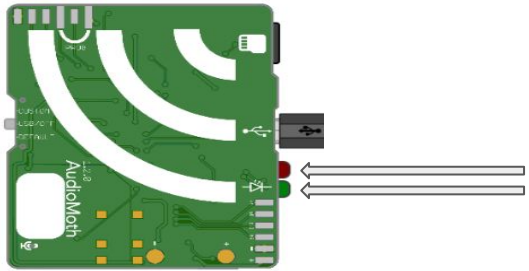
Third step: bring your phone close to the AudioMoth and play the chime one time to detect and activate



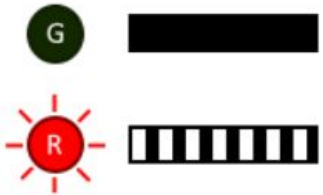
Once the chime is played and successfully recognized, the red LED will turn off, and the green LED will stay solid briefly (2 seconds). After this, the recording schedule will start.

Usage

Final step: Indicating that recording is now active



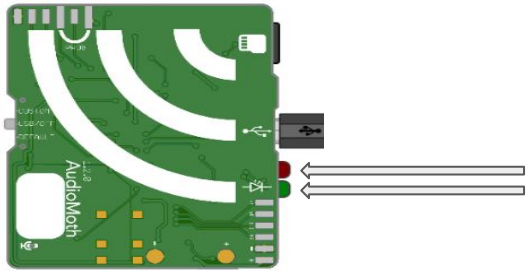
LED indicators
(Red and Green)



During recording, green light turns off and the red light will flash, with the frequency depending on the sample rate as the audio is saved to the SD card.

Potential failures

SD card write error or a low battery

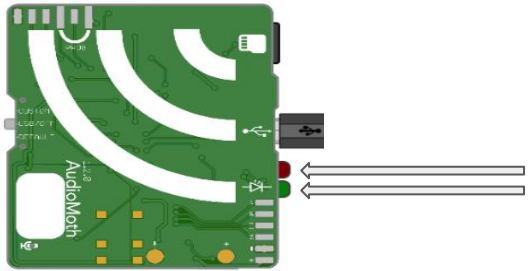


LED indicators
(Red and Green)

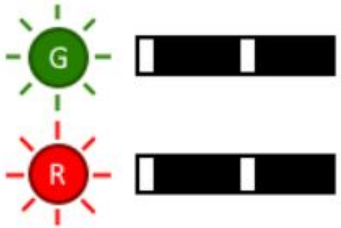
A long flash (500ms) of both LEDs occurs when there is a recording failure, due to an SD card write error or a low battery, that results in a recording being cut short.

Potential failures

recording failure



LED indicators
(Red and Green)



Short flashes (10ms) of both LEDs between recordings mean an earlier scheduled recording has been cut short due to a recording failure