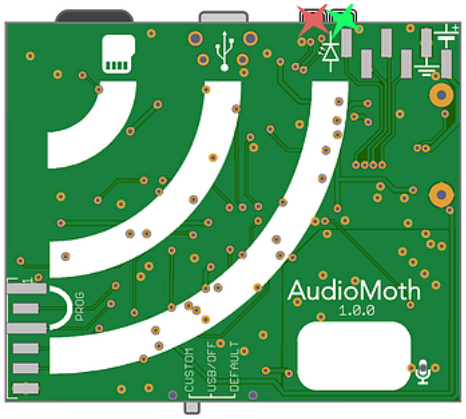
Initial Setup

Step 1: Obtain Batteries & SD card

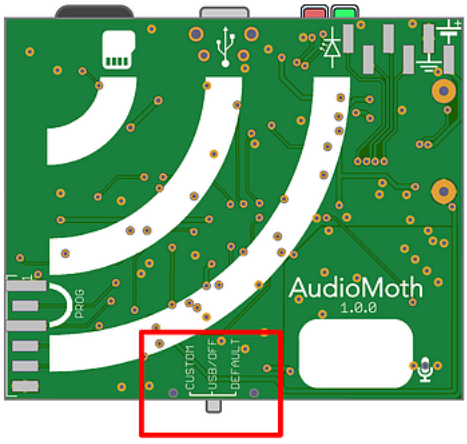
To use your AudioMoth you must first purchase appropriate batteries and SD card for your deployment. SD cards must be re-formatted to MS-DOS (FAT32) before use.

Step 2: Insert Batteries & SD card



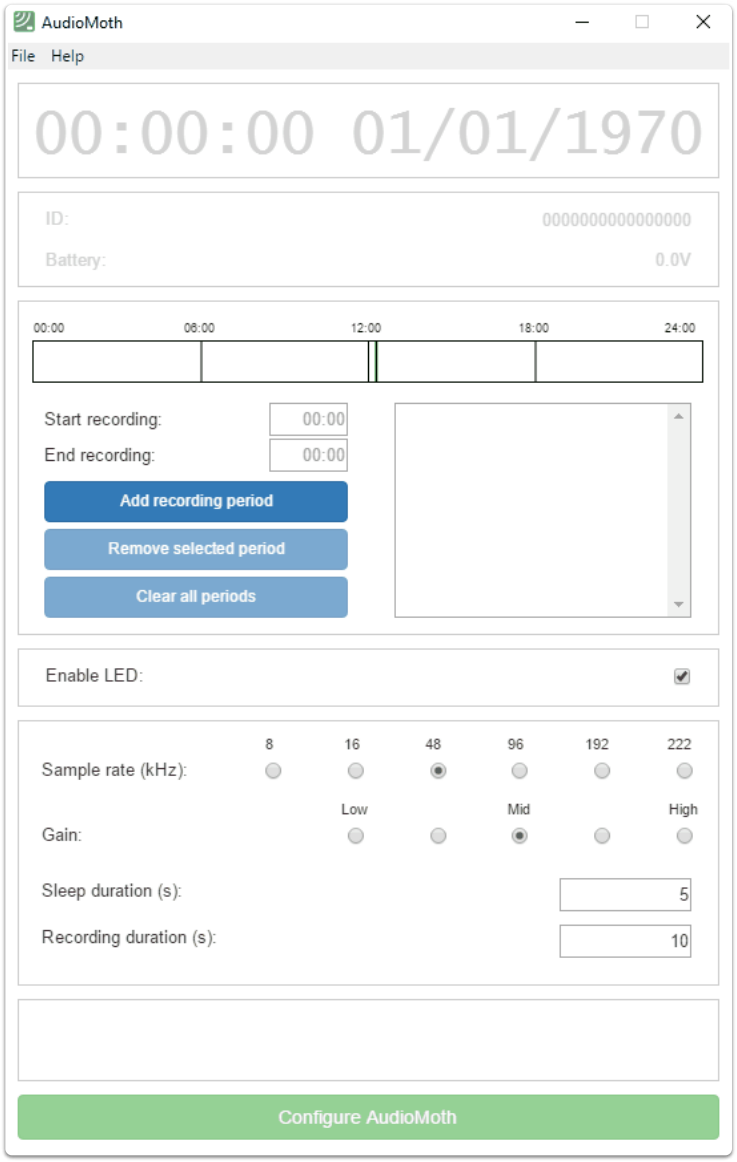
After purchasing the appropriate batteries and SD card, set your AudioMoth to CUSTOM and insert them into your device. Both LEDs should begin to flash.

Step 3: Set switch to USB mode



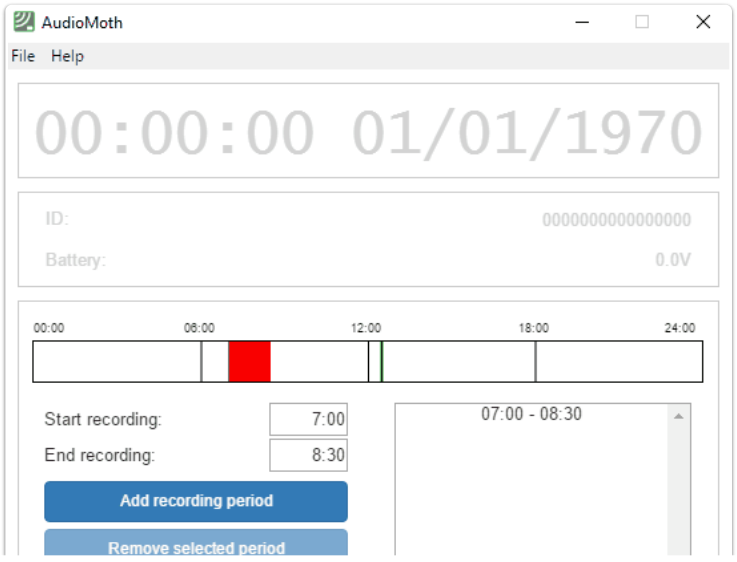
Set the switch on the side of the device to USB/OFF.

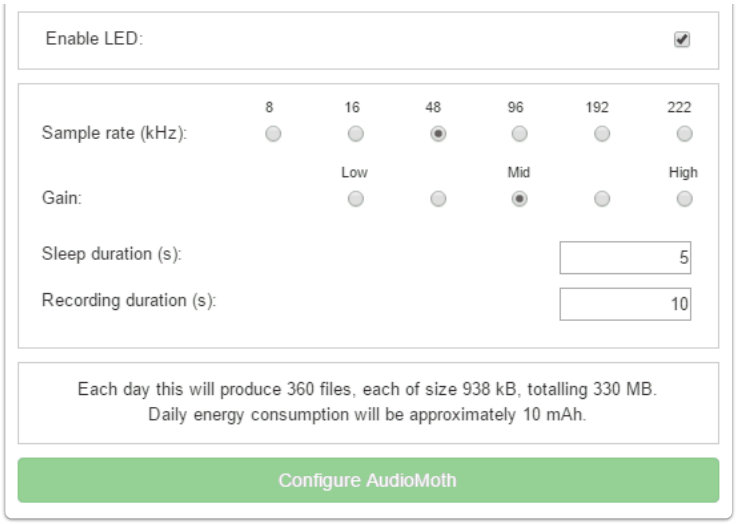
Step 4: Download and install your platform's configuration app



Enter up to 5 periods in which the device will record and then sleep repeatedly until the period is over.

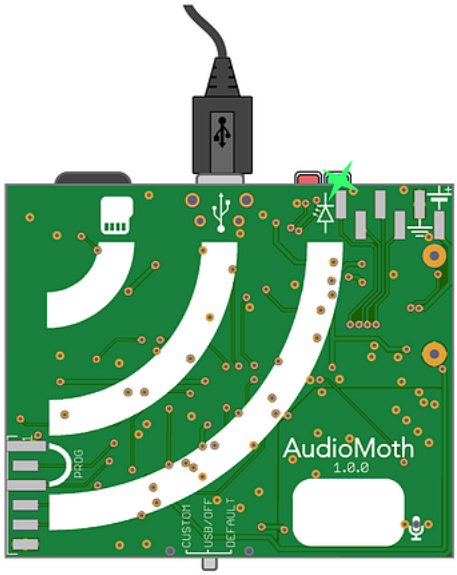
Step 6: Customise recordings





Set the sample rate, gain and length of the recordings you wish to collect. The app will then calculate the energy and storage consumption of your configuration.

Step 7: Connect AudioMoth device



Attach your AudioMoth to your computer via USB.

Ensure the device has batteries inserted or the configuration will be lost when the device is disconnected and it loses power.

Step 8: Verify connection

Without a successful connection to an AudioMoth device, the configuration app will display a greyed out time, ID and battery level.

When you have successfully connected to your AudioMoth, the device information will no longer be greyed out and the clock should tick upwards from 01/01/1970.

Each AudioMoth possesses an inbuilt clock, used to record at scheduled times and to name recording files. As the clock cannot advance when the device is without battery power, a start time must be given.

Configuring your device will set the start time to your machine's current time in UTC.

Make sure this is done before each deployment. Without the clock set, an AudioMoth in CUSTOM mode will not make any recordings.

Step 9: Apply configuration to device

Once device is connected, the clock display should begin to update. Click "Configure AudioMoth" to apply configuration. Updated clock times are presented in UTC to remain consistent across timezones.

Configurations can also be saved to distribute or for later use. Save or load a configuration from the **File** menu.

Step 10: Deploy device

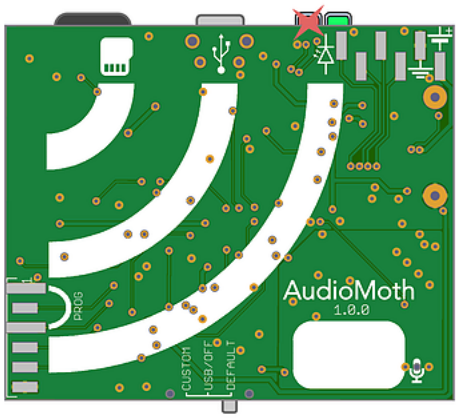
With the AudioMoth configured and the switch in the CUSTOM position you can now deploy.

While waiting for a recording period, the green LED will flash. While making a recording the red LED will flash.

Note: If the switch is moved from DEFAULT or USB/OFF to CUSTOM during a scheduled recording period, AudioMoth will immediately sleep for the configured recording length. After this initial sleep it will start the configured settings as normal.

Ensure the device has batteries inserted or the configuration will be lost when the device is disconnected and it loses power.

Additional Functionality: Record on the fly



With switch set to DEFAULT AudioMoth will start recording immediately outside of the configured timing schedule, at either the default settings (if the device wasn't configured) or at the set sample rate, sleep length and record length configured.

The default settings are:
Sample rate: 48 kHz
Sleep duration: 0 seconds
Recording duration: 60 seconds

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