

# Record Voice

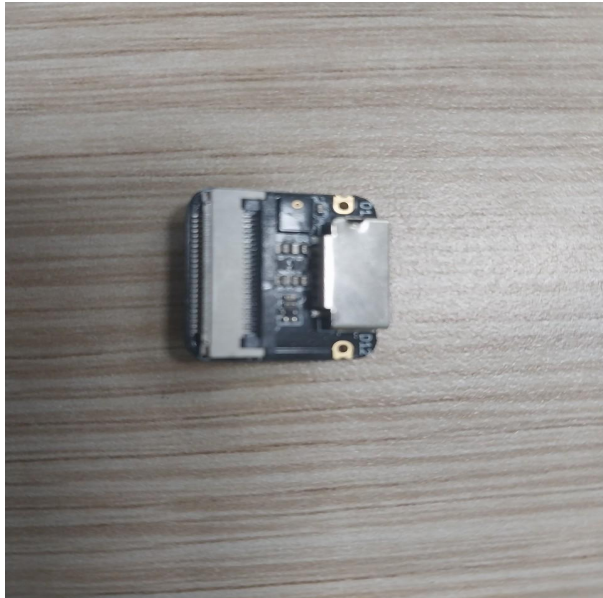
1. Các linh kiện sử dụng.

-Có thể sử dụng thiết bị của xiao seed:

+ Esp32-s3 xiao seed:



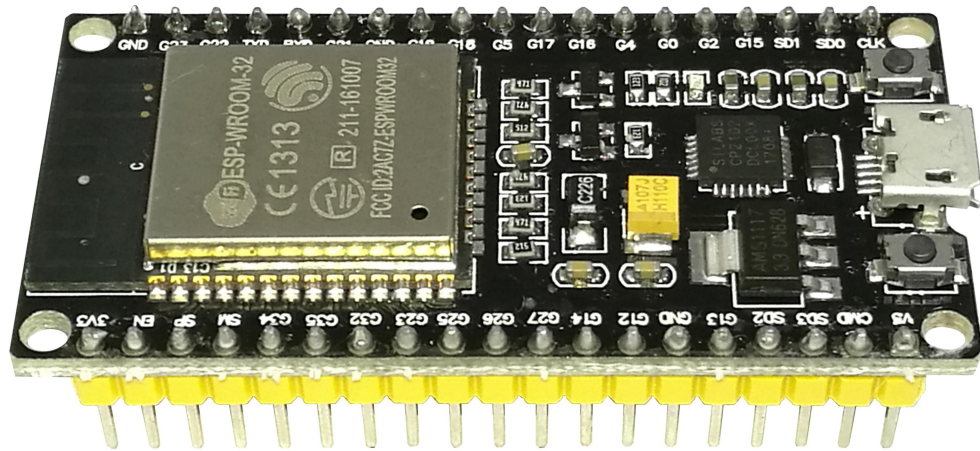
+Xiao seed micro:



+Thẻ sd:



- Bên cạnh đó có thể sử dụng Esp thường:
  - + Esp32 WROOM:



- + INMP 441:

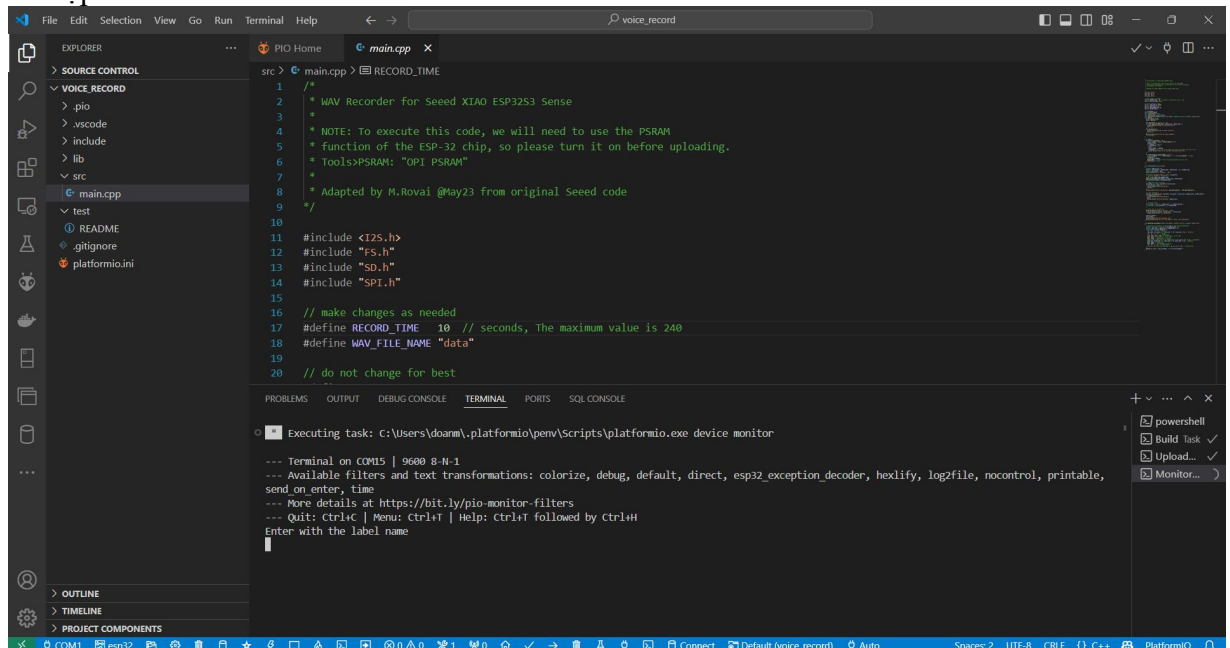


- + Micro sd:



## 2. Thu thập dữ liệu.

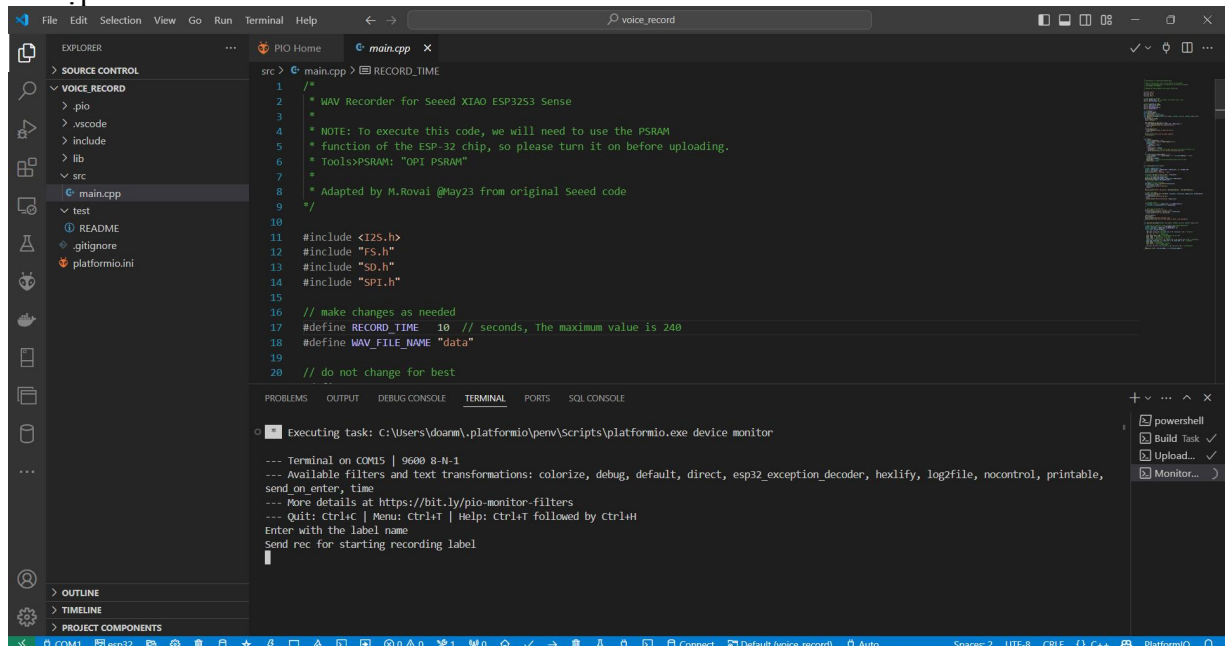
- Sử dụng esp32-s3 xiao seeed để thu thập dữ liệu.
- Chạy file voice\_record để thu data.
- Nhập tên label muốn thu:



The screenshot shows the VS Code IDE with the `main.cpp` file open. The code is a WAV recorder for the Seeed XIAO ESP32S3 Sense. It includes headers for `<I2S.h>`, `<FS.h>`, `<SD.h>`, and `<SPI.h>`. It defines `RECORD_TIME` as 10 seconds and `WAV_FILE_NAME` as "data". The code is adapted by M.Rovai @May23 from the original Seeed code.

The terminal output shows the execution of the task: `C:\Users\doanm\platformio\penv\Scripts\platformio.exe device monitor`. The output indicates that the terminal is on COM15 at 9600 8-N-1. It lists available filters and text transformations: `colorize, debug, default, direct, esp32_exception_decoder, hexlify, log2file, nocontrol, printable, send_on_enter, time`. It also provides a link to <https://bit.ly/pio-monitor-filters> for more details. The terminal prompts the user to "Enter with the label name".

## - Nhập "rec" lên terminal để thu data:



The screenshot shows the VS Code IDE with the `main.cpp` file open. The code is the same as in the previous screenshot. The terminal output shows the execution of the task: `C:\Users\doanm\platformio\penv\Scripts\platformio.exe device monitor`. The output is the same as in the previous screenshot, but it now includes the prompt "Send rec for starting recording label" after the "Enter with the label name" prompt.

- Nói để có thể thu dữ liệu.
- Data được thu sẽ được lưu vào trong thẻ nhớ SD.