```c
#include <stdio.h>
#include <stdbool.h>
#include <freertos/FreeRTOS.h>
#include <freertos/task.h>
#include <esp_err.h>

#include "ultrasonic.h"

#define ECHO_GPIO 12
#define TRIGGER_GPIO 13
#define MAX_DISTANCE_CM 500 // M

void ultrasonic_test(void *pvPar
{
    float distance;

    ultrasonic_sensor_t sensor =
        .trigger_pin = TRIGGER_G
        .echo_pin = ECHO_GPIO
    };

    ultrasonic_init(&sensor);

    while (true) {
        esp_err_t res = ultrason

        if (res == ESP_OK) {
```

```
        if (res == ESP_OK) {
            printf("Distance: %0
        } // Print error
        else {
            printf("Error %d: ",
            switch (res) {
                case ESP_ERR_ULT
                    printf("Cann
                    break;
                case ESP_ERR_ULT
                    printf("Ping
                    break;
                case ESP_ERR_ULT
                    printf("Echo
                    break;
                default:
                    printf("%s\n
            }
        }

        vTaskDelay(pdMS_TO_TICKS
    }
}

void app_main()
{
    xTaskCreate(ultrasonic_test,
```