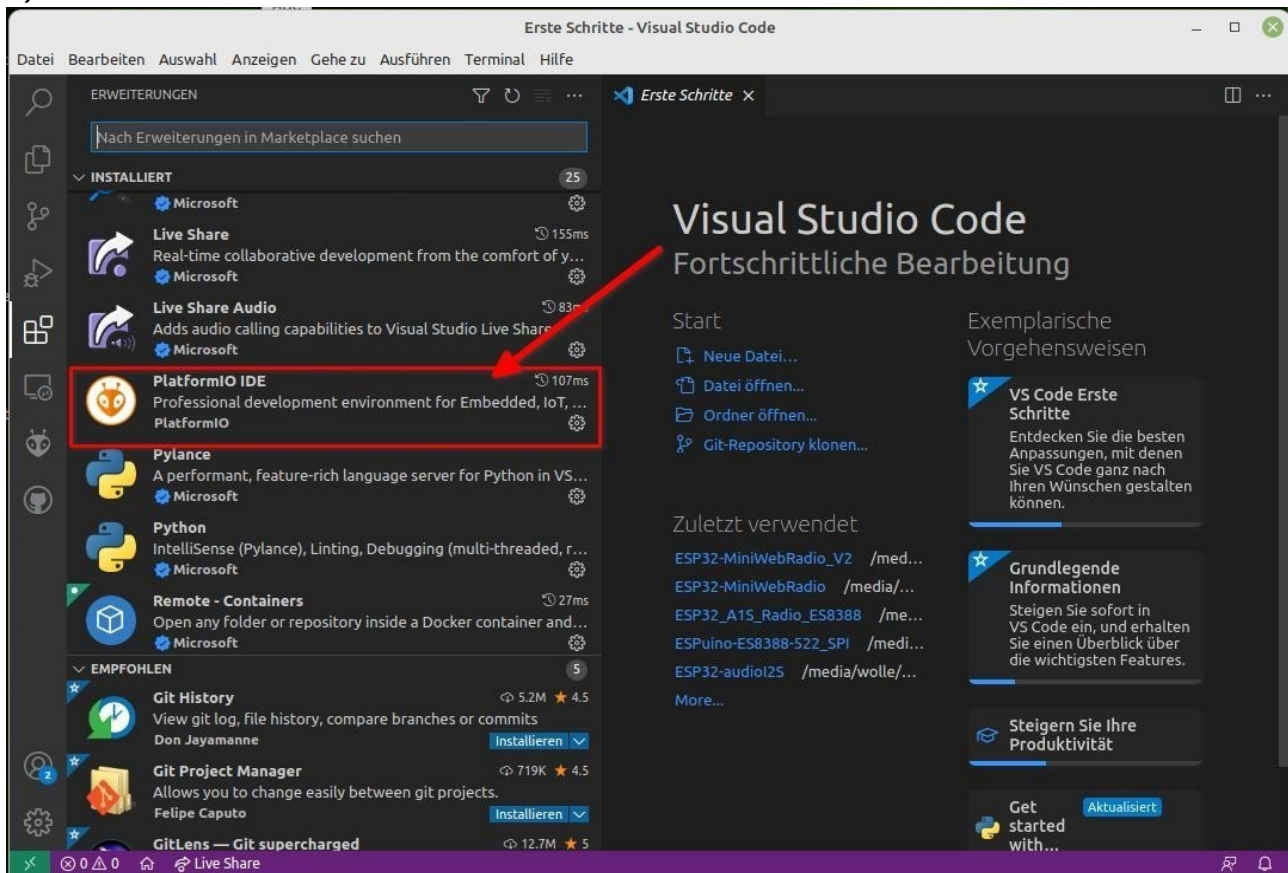
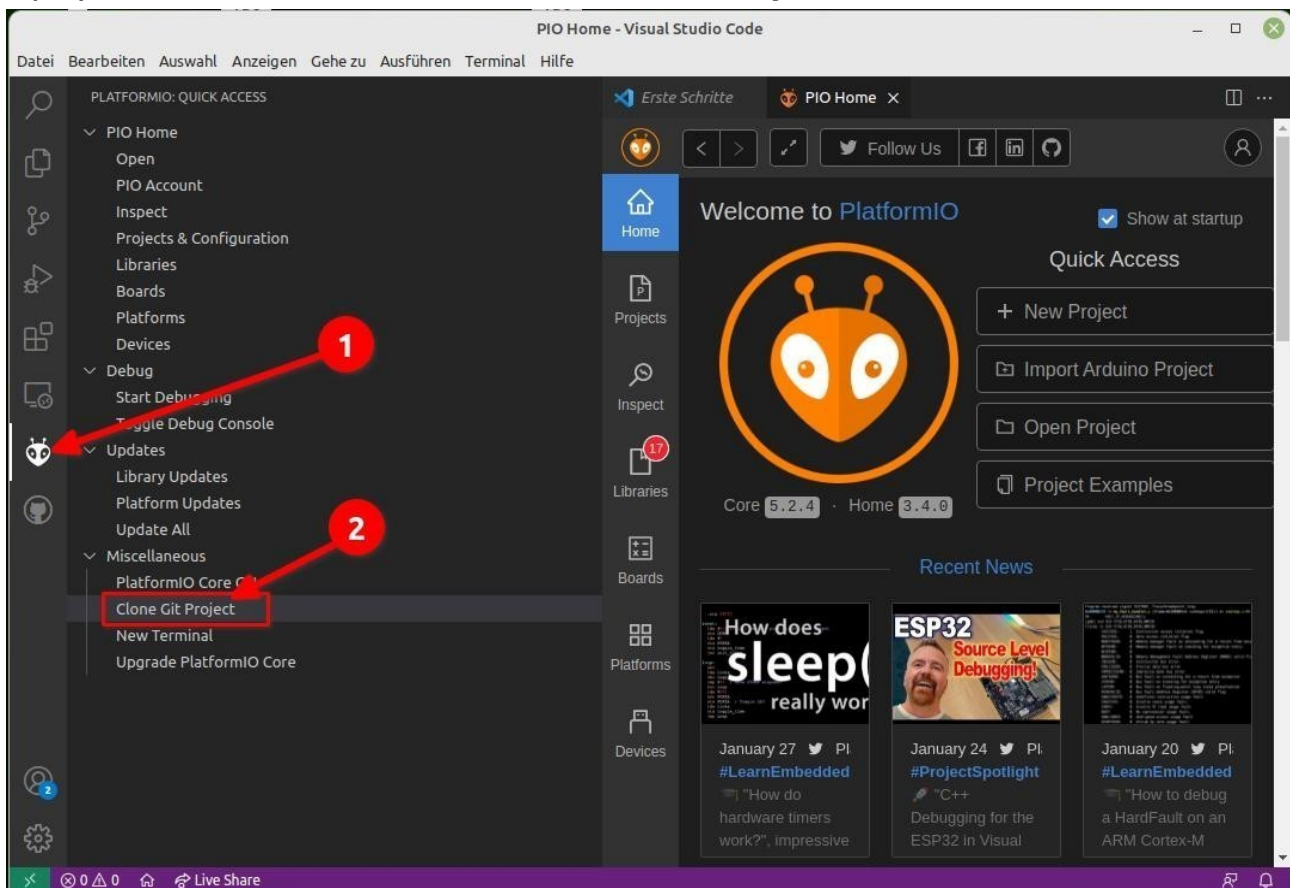


# How to install ESP32-MiniWebRadio-V3

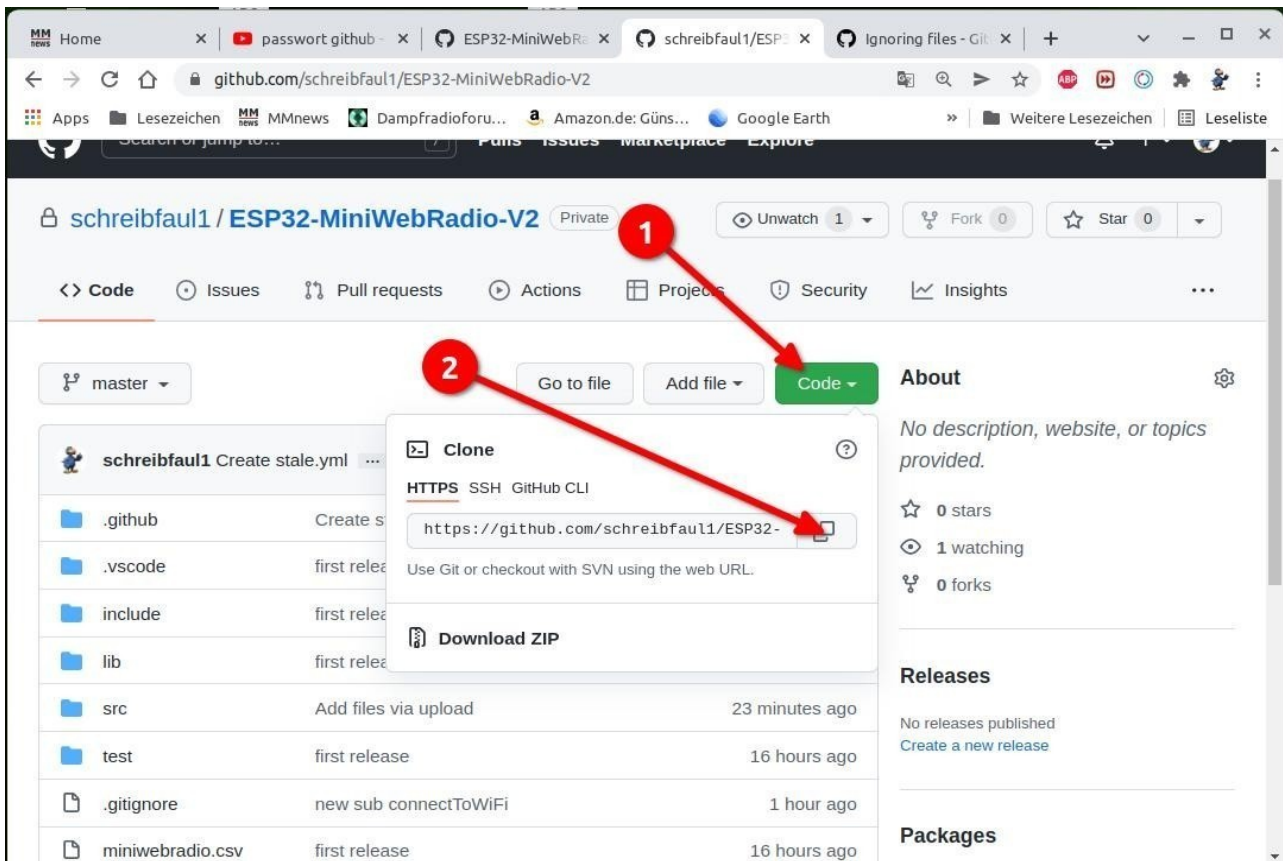
- 1) Install **Visual Studio Code** on your PC
- 2) Add extension **PlatformIO IDE**



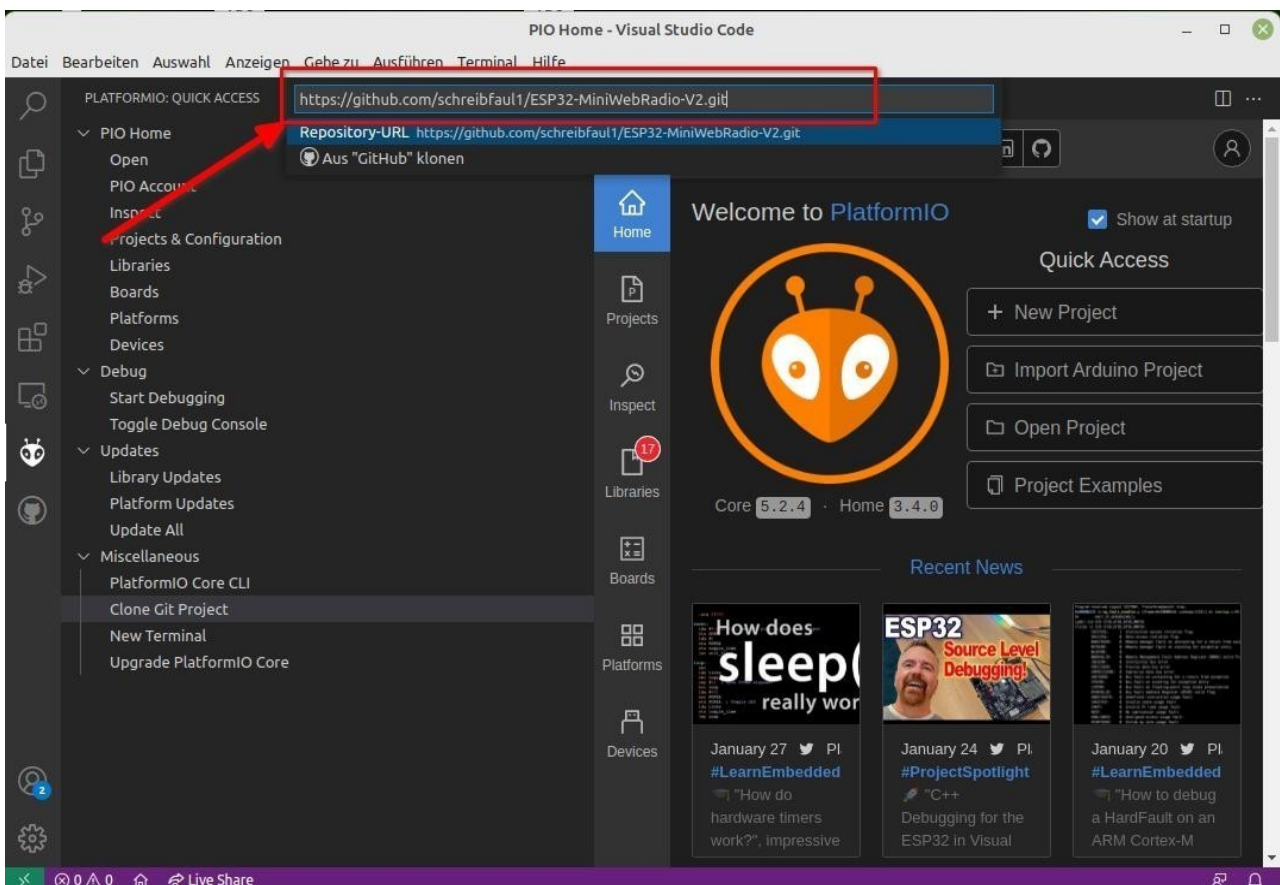
- 3) open **PlatformIO** and select **Clone Git Project**



4) goto Github, press **Code** and copy the URL

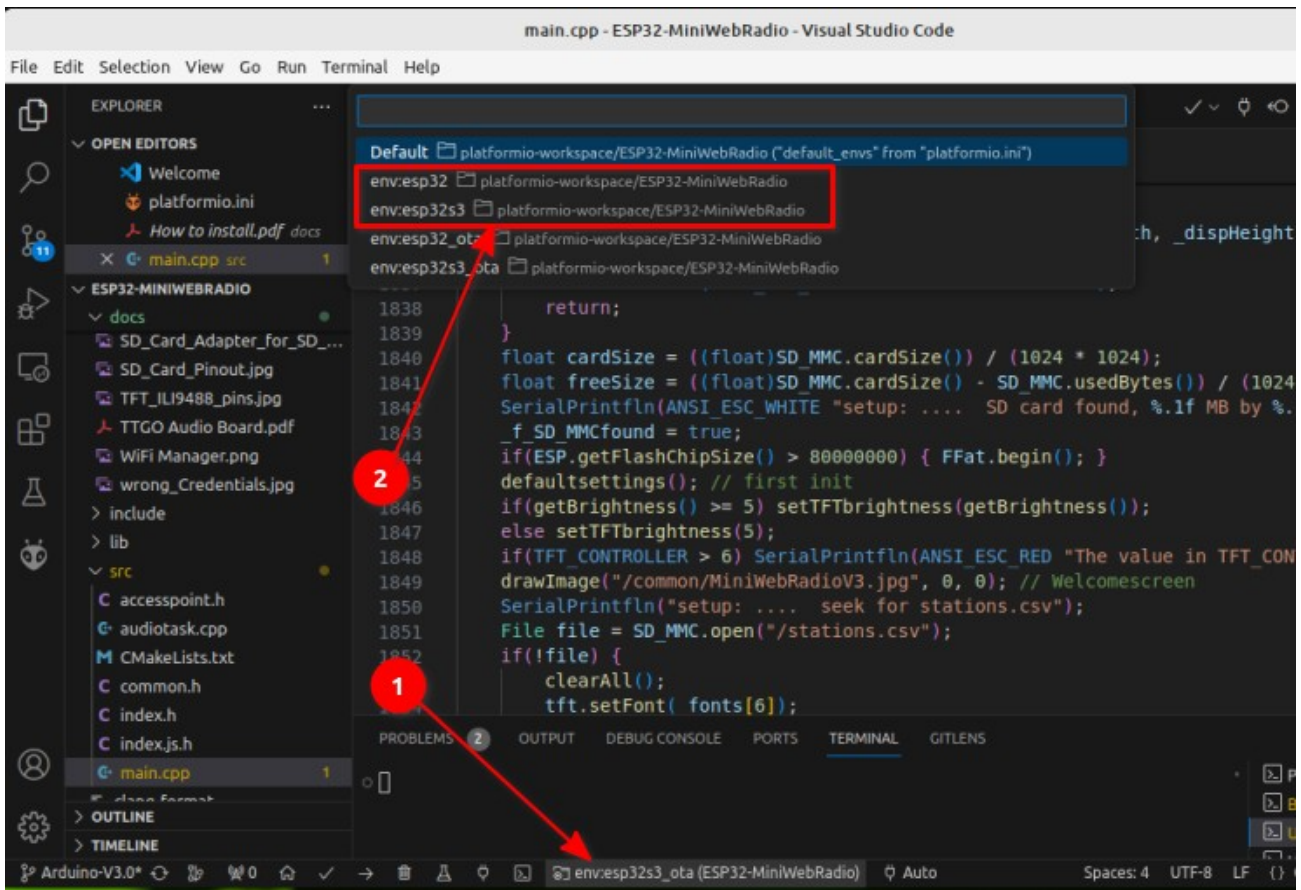


5) paste the URL in PlatformIO, press ENTER and choose a folder on your PC

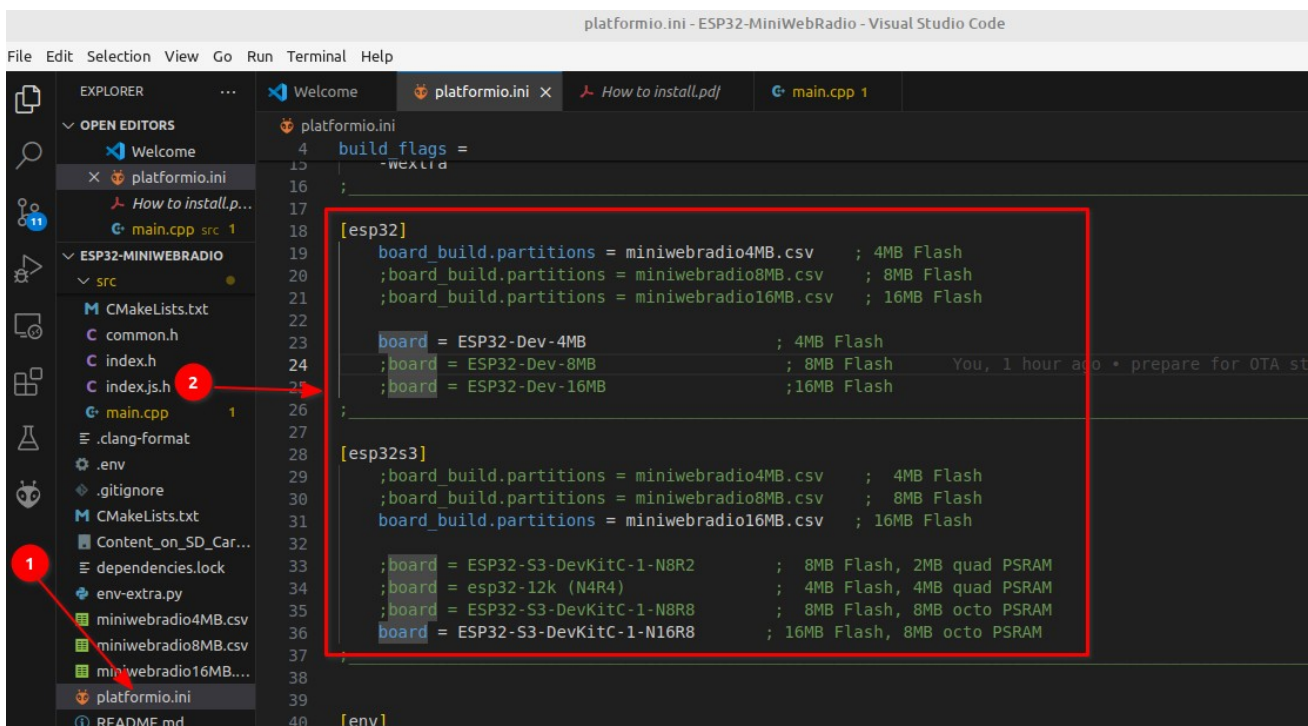




6) select the used chip model, ESP32 or ESP32-S3



7) select the appropriate board and partition in platform.ini, either for the ESP32 or ESP32-S3



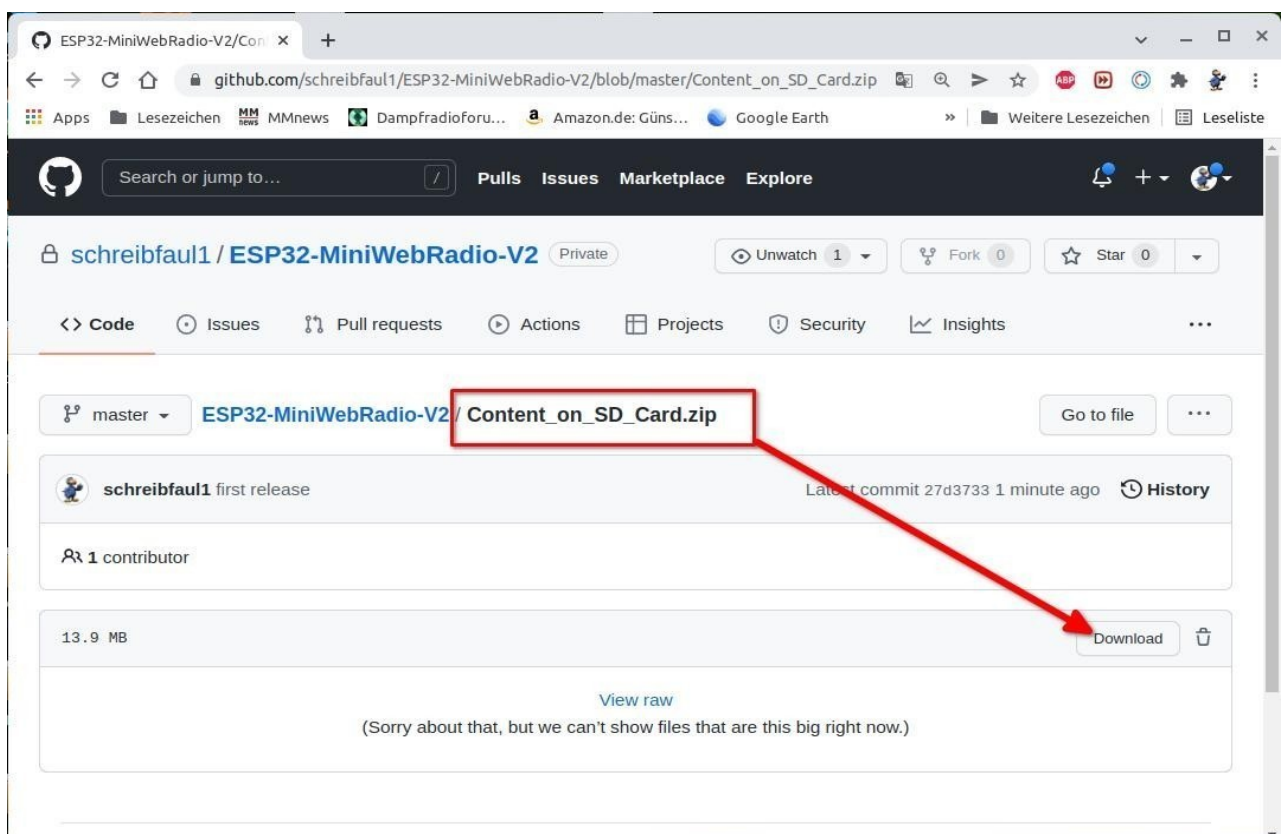
8) Enter your access data in **common.h** and select the parameters according to the HW used. If there is more than one WiFi network, additional credentials can be entered in the **networks.csv** file on the SD card. If you do not enter any or incorrect WiFi access data and therefore no connection can be established to your WiFi router, MWR opens an access point with the IP address 192.168.4.1, you can then connect with a smartphone or tablet and add the access data.

```

File Edit Selection View Go Run Terminal Help
src > C common.h > BT_EMITTER_MODE
2 // updated: 08.Feb 2024
3
4 #pragma once
5 #pragma GCC optimize("Os") // optimize for code size
6
7 #define SSID "mySSID" // Your WiFi credentials here
8 #define PW "myWiFiPassword" // Or in textfile on SD-card
9 #define DECODER 1 // (1)MAX98357A PCM5102A CS4344... (2)A
10 #define TFT_CONTROLLER 4 // (0)ILI9341, (1)HX8347D, (2)ILI9486a,
11 #define DISPLAY_INVERSION 0 // (0) off (1) on
12 #define TFT_ROTATION 1 // 1 or 3 (landscape)
13 #define TFT_FREQUENCY 40000000 // 80000000, 40000000, 27000000, 200000
14 #define TP_VERSION 4 // (0)ILI9341, (1)ILI9341RPI, (2)HX8347
15 #define TP_ROTATION 1 // 1 or 3 (landscape)
16 #define TP_H_MIRROR 0 // (0) default, (1) mirror up <-> down
17 #define TP_V_MIRROR 0 // (0) default, (1) mirror left <-> rig
18 #define AUDIOTASK_CORE 0 // 0 or 1
19 #define AUDIOTASK_PRIO 2 // 0 ... 24 Priority of the Task (0...
20 #define I2S_COMM_FMT 0 // (0) MAX98357A PCM5102A CS4344, (1) L
21 #define SDMMC_FREQUENCY 80000000 // 80000000, 40000000, 27000000, 200000
22 #define FTP_USERNAME "esp32" // user and pw in FTP Client
23 #define FTP_PASSWORD "esp32"
24 #define CONN_TIMEOUT 500 // unencrypted connection timeout in ms
25 #define CONN_TIMEOUT_SSL 2000 // encrypted connection timeout in ms (
26 #define BT_SINK_NAME "MiniWebRadio" // ESP32 only
27
28 /*****
29
30 #include <Arduino.h>
31 #include <ArduinoOTA.h>

```

9) back to Github download the Content\_On\_SD\_Card.zip file and extract to SD



10) Connect the ESP32 to USB, press build and then upload, That's all.

