

WiFiManager

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What is it?

Espressif ESPx WiFi Connection manager with fallback web configuration portal.

Library for configuring ESP8266/ESP32 modules Wi-Fi credentials and custom parameters at runtime with captive portal.

<https://github.com/tzapu/WiFiManager>

How it works?

When your ESP starts up, it sets it up in Station mode and tries to connect to a previously saved Access Point

If this is unsuccessful (or no previous network saved) it moves the ESP into Access Point mode and spins up a DNS and WebServer (default ip 192.168.4.1)

Using any wifi enabled device with a browser (computer, phone, tablet) connect to the newly created Access Point

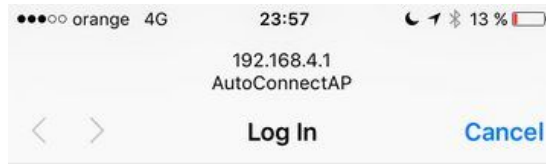
How it works?

Because of the Captive Portal and the DNS server you will either get a 'Join to network' type of popup or get any domain you try to access redirected to the configuration portal

Choose one of the access points scanned, enter password, click save

ESP will try to connect. If successful, it relinquishes control back to your app. If not, reconnect to AP and reconfigure.

How it looks?

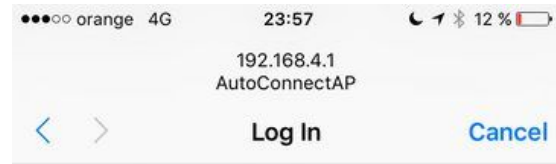


AutoConnectAP

WiFiManager

Configure WiFi

Configure WiFi (No Scan)



[ROBIN HOOD](#) 30%

[Tia Network 2](#) 16%

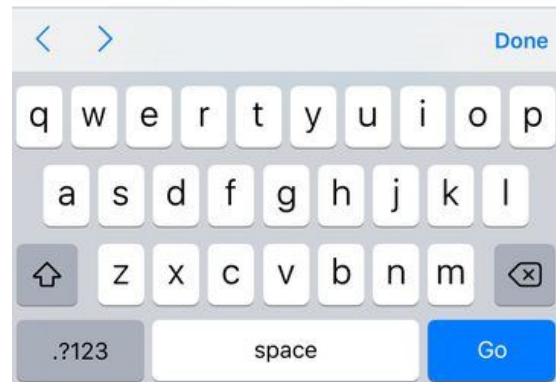
ROBIN HOOD

password

mqtt server

8080

YOUR_BLYNK_TOKEN



```
#include <WiFiManager.h> // https://github.com/tzapu/WiFiManager
```

```
void setup() {  
  // WiFi.mode(WIFI_STA); // explicitly set mode, esp defaults to STA+AP  
  
  Serial.begin(115200);  
  
  //WiFiManager, Local initialization.  
  WiFiManager wm;  
  
  // reset settings - wipe stored credentials for testing  
  // these are stored by the esp library  
  // wm.resetSettings();  
  
  bool res;  
  // res = wm.autoConnect(); // auto generated AP name from chipid  
  // res = wm.autoConnect("AutoConnectAP"); // anonymous ap  
  res = wm.autoConnect("AutoConnectAP", "password"); // password protected ap  
  
  if(!res) {  
    Serial.println("Failed to connect");  
    // ESP.restart();  
  }  
  else {  
    Serial.println("connected...yeey :)");  
  }  
}
```

How to use it