

■ How can I save an auth token input with Wi-Fi Manager?

Solved



Paradox 1 / Jan '18

I want to be able to configure the auth token, SSID and Password with WiFi manager so they can be changed without the need for editing the code.

I have been able to set the auth token with WiFi Manager but it's not saved. Every time the board (I'm using a WeMos D1 Mini) is reset the auth token needs to be reconfigured.

I've been trying to figure out how to store the auth token in EEPROM so it can be loaded from memory when the board is reset but I've had nothing but failures.

Any help is much appreciated, thanks!







Toro_Blanco Regular

Jan '18

Try searching this forum. What you are looking for is out there (I know because I have posted such information).





Parado

Jan '18

I Have spent hours searching this forum and others, I have found some info but none that was very helpful.

I even found example code more than once but it was messy and wouldn't compile.

That could be my fault, I have some programming knowledge but I'm no expert.

If you can point me to a helpful thread that would be great.





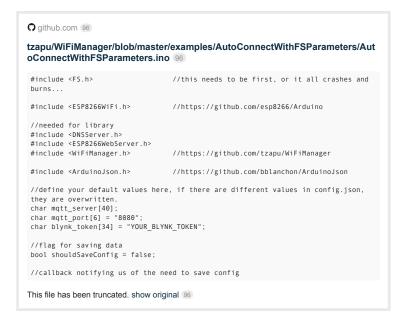
Paradox

Jan '18

This is the most relevant thing I've found so far.

It's the example for saving custom parameters provided in the Wi-Fi Manager documentation.

However I've tried many times but can't get it to compile, I always get "Error compiling for board WeMos D1 mini."







Costas P Regular

Jan '18

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@paradox set your compiler to show verbose messages and paste the output here.







Paradox

1 🥟 Jan '18



@paradox set your compiler to show verbose messages and paste the output here.

Here you go

`C:\Program **Files** (x86)\Arduino\arduino-builder -dump-prefs -logger=machine hardware C:\Program Files (x86)\Arduino\hardware -hardware C:\Program Files (x86)\Arduino\hardware -tools C:\Program Files (x86)\Arduino\hardware\tools\avr tools C:\Users\John\AppData\Local\Arduino15\packages -built-in-libraries C:\Program Files (x86)\Arduino\libraries -libraries C:\Users\John\Documents\Arduino\libraries -fqbn=esp8266:esp8266:d1_mini:CpuFrequency=80,UploadTool=esptool,UploadSpeed=921600,FlashS -ide-version=10802 -build-path C:\Users\John\AppData\Local\Temp\arduino_build_348407 warnings=none -build-cache C:\Users\John\AppData\Local\Temp\arduino_cache_246309 prefs=build.warn_data_percentage=75 $prefs=runtime.tools.mkspiffs.path=C:\Users\John\AppData\Local\Arduino15\packages\esp8266\label{local}$ prefs=runtime.tools.esptool.path=C:\Users\John\AppData\Local\Arduino15\packages\esp8266\t -prefs=runtime.tools.xtensa-lx106-elf gcc.path=C:\Users\John\AppData\Local\Arduino15\packages\esp8266\tools\xtensa-lx106-elfgcc\1.20.0-26-gb404fb9-2 -verbose
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(x86)\Arduino\tools-builder -tools C:\Program Files (x86)\Arduino\hardware\tools\arvtools C:\Users\John\AppData\Local\Arduino15\packages -built-in-libraries C:\Program Files (x86)\Arduino\libraries -libraries C:\Users\John\Documents\Arduino\libraries -fqbn=esp8266:esp8266:d1 mini:CpuFrequency=80,UploadTool=esptool,UploadSpeed=921600,FlashS -ide-version=10802 -build-path C:\Users\John\AppData\Local\Temp\arduino_build_348407 warnings=none -build-cache C:\Users\John\AppData\Local\Temp\arduino_cache_246309 prefs=build.warn_data_percentage=75 prefs=runtime.tools.mkspiffs.path=C:\Users\John\AppData\Local\Arduino15\packages\esp8266\



```
Using previously compiled file:
{\tt C:\Users\John\AppData\Local\Temp\arduino\_build\_348407\core\debug.cpp.o}
Using previously compiled file:
C:\Users\John\AppData\Local\Temp\arduino_build_348407\core\pgmspace.cpp.o
Using previously compiled file:
 C:\Users\John\AppData\Local\Temp\arduino_build_348407\core\spiffs_api.cpp.o
Using previously compiled file:
C:\Users\John\AppData\Local\Temp\arduino build 348407\core\spiffs hal.cpp.o
  "C:\Users\John\AppData\Local\Arduino15\packages\esp8266\tools\xtensa-lx106-elf-
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 "C:\Users\John\AppData\Local\Temp\arduino_build_348407\core\core_esp8266_flash_utils.c.o"
"C:\Users\John\AppData\Local\Arduino15\packages\esp8266\tools\xtensa-lx106-elf-land) and the second control of the second control 
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"C:\Users\John\AppData\Local\Temp\arduino_build_348407/arduino.ar"
 "C:\Users\John\AppData\Local\Temp\arduino build 348407\core\core esp8266 i2s.c.o"
```

■ How can I save an auth token input with Wi-Fi Manager?

Jan '18

Log In Q ≡



Costas V Regular

@Paradox looking at the compiler output I think this is your problem

https://github.com/esp8266/Arduino/issues/500 (19) and it was fixed a long time ago.

Am I right in thinking you are using ESP8266 Arduino core 2.0?

You need to get rid of that. 2.4.0 is the latest official release but I would go with the master as it has additional bug fixes.

1 Reply V

1 🗘 🕜



Jan '18



Toro_Blanco Regular

I will post this here in hopes that it will help not only you, but future BLYNK users trying to use WIFIManager.

```
#include <FS.h>
                                  //this needs to be first, or it all crashes and
burns..
#include <ESP8266WiFi.h>
                                  //https://github.com/esp8266/Arduino
#include <BlynkSimpleEsp8266.h>
#include <DNSServer.h>
#include <ESP8266WebServer.h>
#include <WiFiManager.h>
                                  //https://github.com/tzapu/WiFiManager
#include <SimpleTimer.h>
#include <ArduinoJson.h>
                                  //https://github.com/bblanchon/ArduinoJson
#define BLYNK PRINT Serial // Comment this out to disable prints and save space
//#define BLYNK DEBUG
//define your default values here, if there are different values in config.json, they
//char mqtt_server[40];
//char mqtt_port[6] = "8080"
char blynk_token[34] = "YOUR_BLYNK_TOKEN";
bool shouldSaveConfig = false;
//callback notifying us of the need to save config
void saveConfigCallback () {
 Serial.println("Should save config");
 shouldSaveConfig = true;
```

If you will notice, all I did was comment out the sections that did not apply (mqqt_server and mqqt_port).

Also if you don't have all the right libraries installed it will not work. I will leave that part up to you.

5 Replies V

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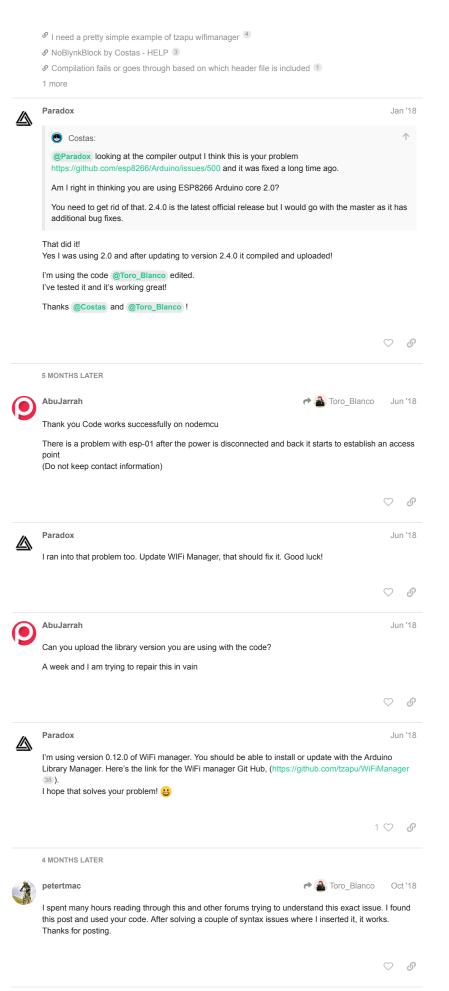
Ø Blynk + Wifimanager + DoubleResetDetector (12)

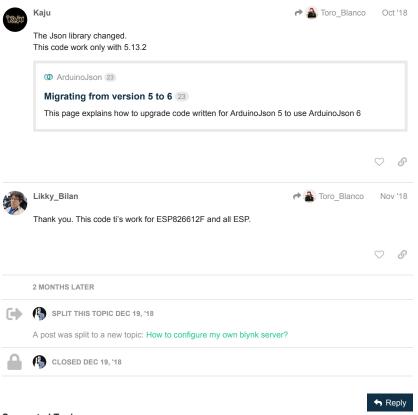


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