Getting Started

From D1 -- Arduino WiFi Board | wemos.cc

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Before USE D1

You need setup ch340g(USB to UART IC) driver, if you first use it.

Windows

Download driver from: win32/64 (http://66.175.219.73/downloads/ch340/CH341SER_WIN66972.EXE)

Mac OS

- Download driver form: Mac (http://www.wemos.cc/wiki/uploads/Tutorial/ch341ser_mac_new.zip)
- Python 2.7 (https://www.python.org/downloads/)
- pySerial pip install pyserial

Linux(Ubuntu)

- Not need setup any driver.
- Python 2.7 (https://www.python.org/downloads/)
- pySerial pip install pyserial

Install hardware package

Installing with Boards Manager

Starting with 1.6.4, Arduino allows installation of third-party platform packages using Boards Manager. We have packages available for Windows, Mac OS, and Linux (32 and 64 bit).

Install Arduino 1.6.5 from the Arduino (https://www.arduino.cc/en/Main/Software) website.

Start Arduino and open Preferences window.

Enter https://github.com/wemos/WeMos_Boards/raw/master/package_wemos.cc_index.json into Additional Board Manager URLs field.

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Preferences						
Sketchbook location:						
D:\Documents\Arduino	Browse					
Editor language: English (English)	(requires restart of Arduino)					
Editor font size: 12						
Show verbose output during: 📝 compilation 📝 upload						
Compiler warnings: None 💌						
Display line numbers						
Enable Code Folding						
Verify code after upload						
Use external editor						
Check for updates on startup						
▼ Update sketch files to new extension on save (.pde -> .ino)						
Save when verifying or uploading						
Additional Boards Manager URLs: http://www.wemos.cc/tools/wemos_boards/package_wemos.cc_index.json						
More preferences can be edited directly in the file						
C:\Users\Administrator\AppData\Roaming\Arduino15\preferences.txt						
(edit only when Arduino is not running)						
	OK Cancel					

You can add multiple URLs, separating them with commas.

Open Boards Manager from Tools > Board menu and install hardware package.

💿 Boards Manager	×
Type Contributed	
WeMos WiFi Boards by wemos.cc Boards included in this package: WeMos D1, Iolin(nodemcu V3). <u>Online help</u> <u>More info</u>	Install
	Close

After install, choose your boards.

💿 sketch_aug22a A	Arduino 1.6.5			
File Edit Sketch Too	ols Help			
sketch_aug22a	Auto Format Archive Sketch Fix Encoding & Reload Serial Monitor	Ctrl+T Ctrl+Shift+M		
// put your se	Board: "Arduino Uno"	1		Boards Manager
}	Port			Arduino AVR Boards
void loop() { // put your ma	Programmer: "USBasp" Burn Bootloader	,	•	Arduino Yún Arduino Uno Arduino Duemilanove or Diecimila
}				Arduino Nano Arduino Mega or Mega 2560 Arduino Mega ADK
				Arduino Leonardo Arduino Micro Arduino Esplora
				Arduino Mini
				Arduino Ethernet Arduino Fio Arduino BT
				LilyPad Arduino USB LilyPad Arduino
				Arduino Pro or Pro Mini Arduino NG or older
				Arduino Robot Control Arduino Robot Motor
				Arduino Gemma
		Г		WeMos WiFi Boards WeMos D1
				lolin(nodemcu V3)

Config



- CPU Frequency
 - 80Mhz
 - 160Mhz
- Upload Speed
 - The serial port's Baud Rate
- Port
 - Choose your board's serial port

hello world

00 I	HelloWorld A	rduino 1.6.5					
File	Edit Sketch	Tools Help					
	New Open Open Recent Sketchbook	Ctrl+N Ctrl+O					
	Examples	1	01.Basics				
C S S F F F F C C	Close Save Save As Page Setup Print Preferences Quit	Ctrl+W Ctrl+S Ctrl+Shift+S Ctrl+Shift+P Ctrl+P Ctrl+逗号 Ctrl+Q	02.Digital 03.Analog 04.Communication 05.Control 06.Sensors 07.Display 08.Strings 09.USB 10.StarterKit ArduinoISP				
			Bridge	•			
			D1-Examples		01.Basics	Blink	
			Esplora	1	02.Special	BlinkWithoutDelay	
			Ethernet	1	03.Sensors	HelloWorld	
			Firmata GSM LCD1602_IIC_0x3F LiquidCrystal Robot Control Robot Motor Stepper		04.WiFi 05.Web 06.WebServer 07.Peripheral	KeadAnalogVoltage	
			WiFi	*			

All examples are under File->Examples->D1-Examples

Choose HelloWorld for test.



After Upload, open Serial Monitor

💿 сом19		- • •
		Send
Hello World.		
Hello World.		
Hello World.		
Autoscroll	No line ending 🔻	9600 baud 🔻

Upgrade Hardware Package

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The Hardware Package will continuously updated, you can upgrade Hardware Package, just open **Boards Manager** and Install again.

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