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Andrewf1 (/andrewf1)

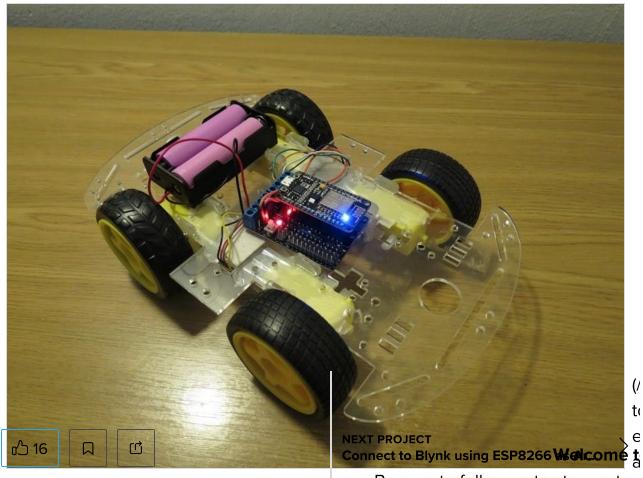
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Simplest wifi car using ESP8266 Motorshield

Simplest wifi car controlled by your smartphone using NodeMcu esp8266 and Blynk.

← Easy(/projects?difficulty=beginner) 目 Full instructions provided ○ 2 hours

⑤ 5,729



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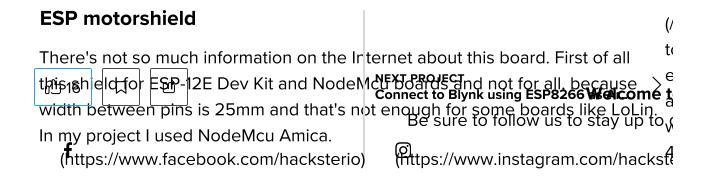
Things used in this project

Hardware components

NodeMcu Lua ESP8266 ESP-12E + WiFi Motor Drive × 1 Expansion Board	s=BAhJIhY2NTg#d\\$\teq\x\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
DIY 4WD Smart Robot Car Chassis Kit	s=BAhJIhY2NTg4dske4xtfbxy6267692QY6Bk
2PCS Samsung INR18650-	7/breducts/buy/265212
× 1	s=BAhJIhY2NTg4d4Xe4XhdXY6367732QY6BkY
30Q battery	

Story

I found very simple way to make a wifi car. You actually need 4 things: NodeMcu esp8266 Amica, esp motorshield, chassis and your smartphone. So that's it, let's get started!





Schematics

Wifi car schematics

This is scheme for wifi car project

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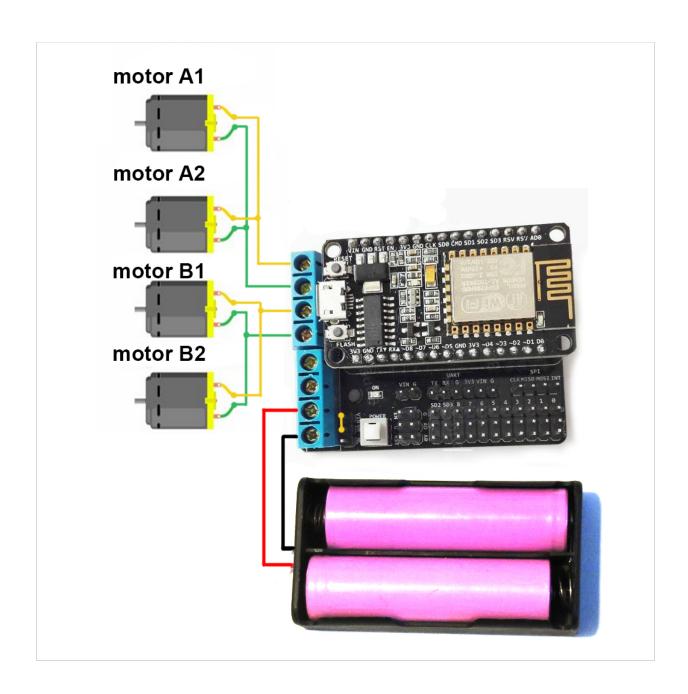
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Code



```
#define BLYNK_PRINT Serial
#include <ESP8266WiFi.h>
#include <BlynkSimpleEsp8266.h>
// You should get Auth Token in the Blynk App.
// Go to the Project Settings (nut icon).
char auth[] = "YourAuthToken";
// Your WiFi credentials.
// Set password to "" for open networks.
char ssid[] = "YourNetworkName";
char pass[] = "YourPassword";
```

Credits



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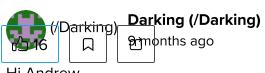
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M Preview

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Hi Andrew

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Mark thanks for your project. I have ordered the parts and look forward to my first (https://www.facebook.com/hacksterio) (https://www.instagram.com/hacksterio)

Thank • Reply



Hi Andrew,

I have tried out your setup, but my motors are not moving at all.

I measured the voltage at A+ and A- and I only got 0.7V max when pushing the Blynk joystick. Any idea what I might be doing wrong? Do I need to make any adjustments to the motor-shield?

Thanks,

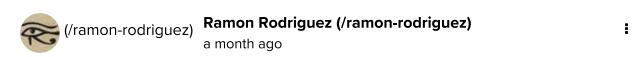
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Thank • Reply • 1thank



Ah, now looking at your diagram again, I see you connected the shortcut pins. Sorry I somehow oversaw that also in your description. Will try it out at home this eveining

Thank • Reply to conversation



Hi Andrew,

I was wondering if it's possible to connect an SR-04 or SRF-05 to the motor shi eld (OBSTACLE AVOIDANCE logic). I tried all PIN combinations but doesn't work. M ost of the time it displays a WATCHDOG error.

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The shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins, esp those right from the shield doesn't expose all pins right from the shield doesn't expose all pins right from th

Thanks!

Raymond

Thank • Reply



(/gajdur) Gajdur (/gajdur)

13 days ago

Hi, tried this tutorial and is working pretty good, only the motor B is always going forwards. Is something with the code or my hardware? Tnx

Thank • Reply

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