

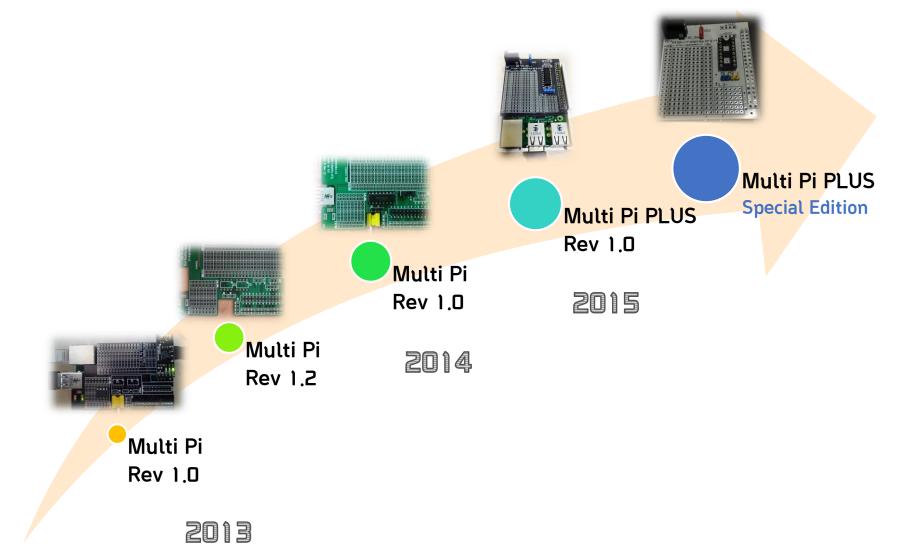
## OpenMake

# 라즈베리파(RaspberryPi)

D.I.Y RC-Kit: Multi-Pi PLUS
(Multi Controller RC Car)

2015, 07.

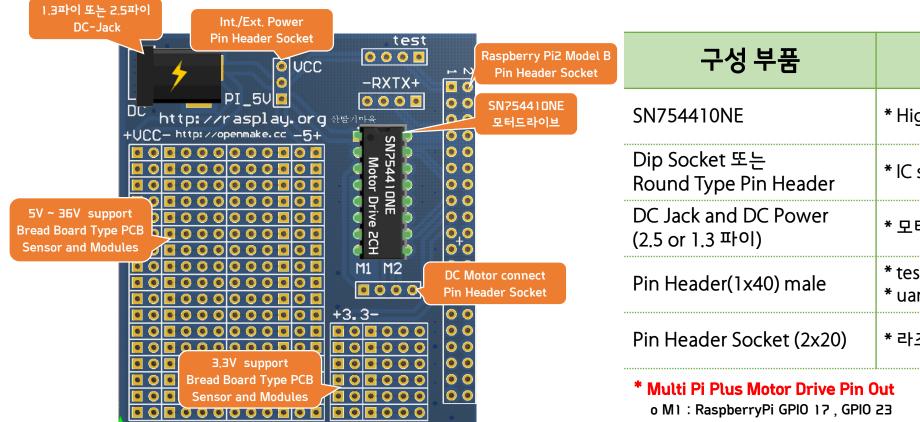






### O. What is Multi-Pi PLUS?

라즈베리파이를 이용해 RC카 제작을 위한 모터드라이브 장착 외 센서를 추가 장착하여 좀더 다양한 기능으로 RC카를 제학 할 수 있도록 제작된 RC카 전용 보드

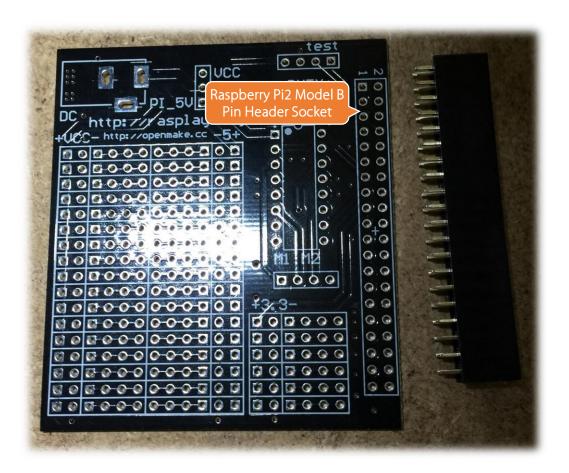


구성 부품	내용	비고
SN754410NE	* HighBridge Motor Drive	* VCC : 4.5V ~ 36V
Dip Socket 또는 Round Type Pin Header	* IC socket (2x8)	
DC Jack and DC Power (2.5 or 1.3 파이)	* 모터드라이브 전원부	* 암/수 한쌍
Pin Header(1x40) male	* test / VCC * uart / M1,M2	* 3 Pin * 4 Pin X 4
Pin Header Socket (2x20)	* 라즈베리파이 GPIO 소켓	

o M2: RaspberryPi GPIO 22, GPIO 27



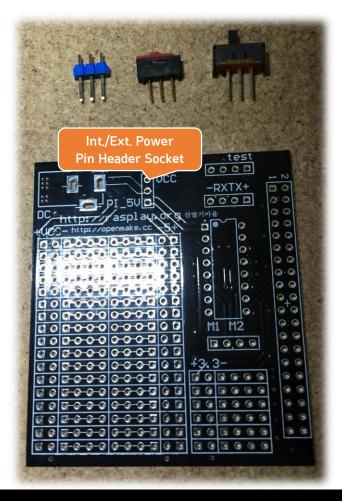
## 1. Multi-Pi PLUS assemble

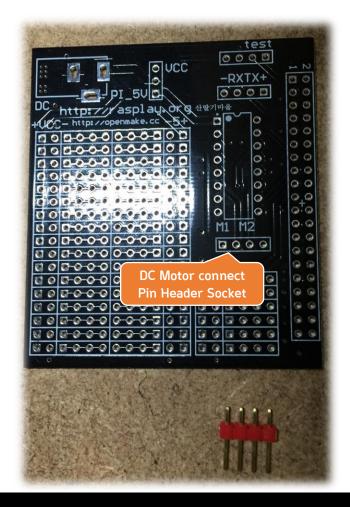


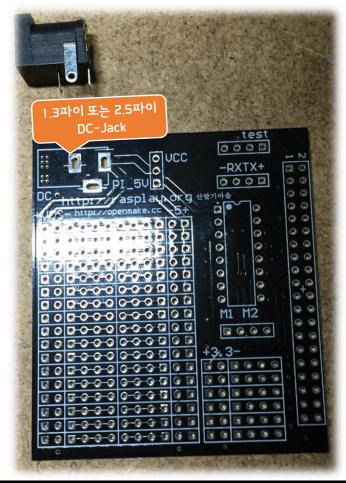




## 1. Multi-Pi PLUS assemble



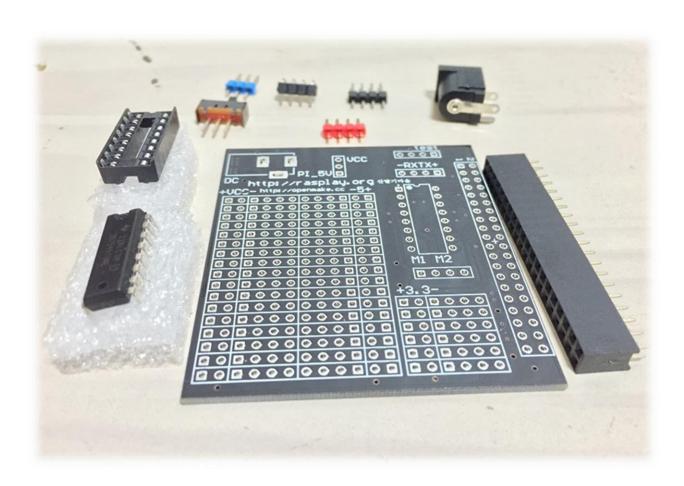




## 1. Multi-Pi PLUS assemble

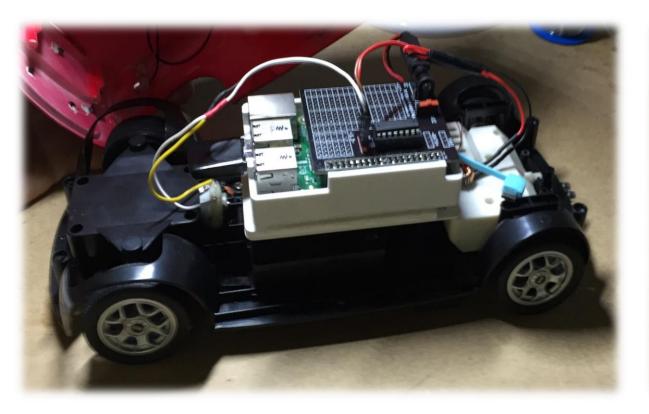
## Before







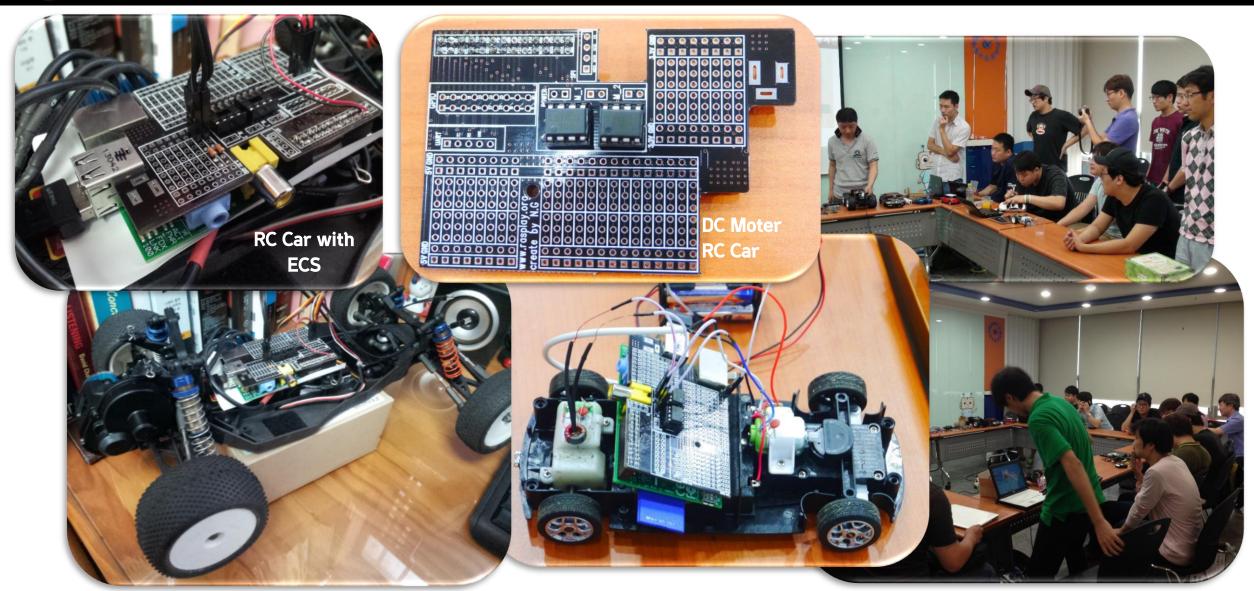
라즈베리파이를 이용해 RC카 제작을 위한 모터드라이브 장착 외 센서를 추가 장착하여 좀더 다양한 기능으로 RC카를 제작 할 수 있도록 고안된 라즈베리파이(A+/B+/2 Model B) RC카 전용 보드





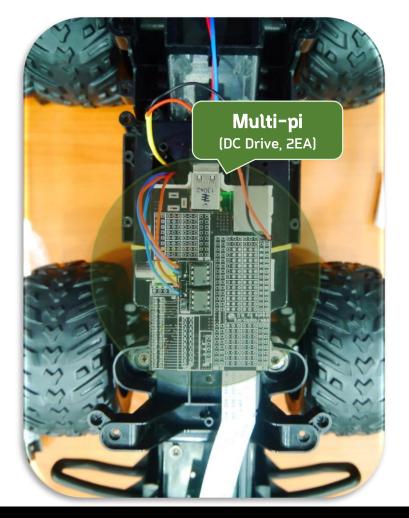
## penMake. 😋 Mult-Pi Rev 1.0 Sample 1

D.I.Y: Do it Yourself
Only one Making & Play for me Multi-Pi Multi-controlled RC car

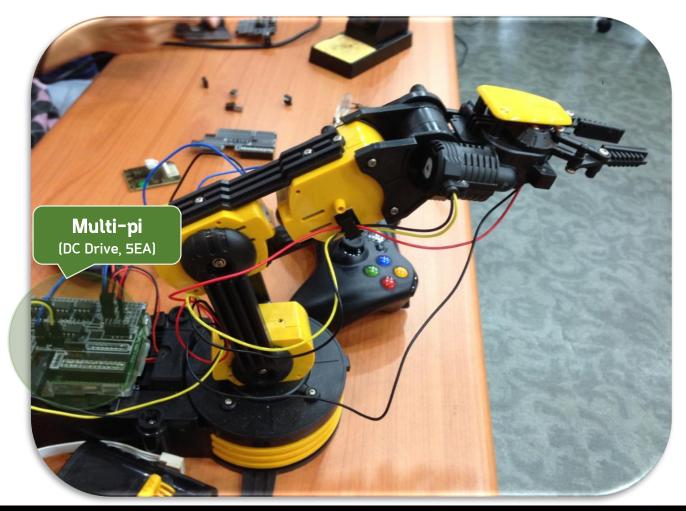


## D.I.Y: Do it Yourself Only one Making & Play for me Raspberry Pi RC car & Robot Arm

#### Multi-controlled RC car



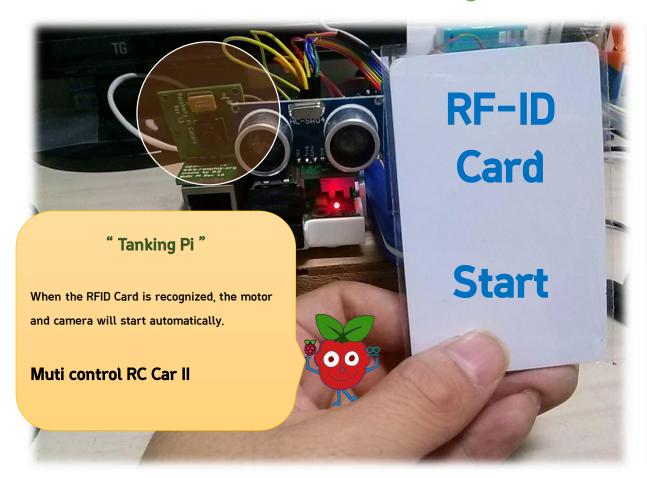
#### Raspberry Pi robot arm

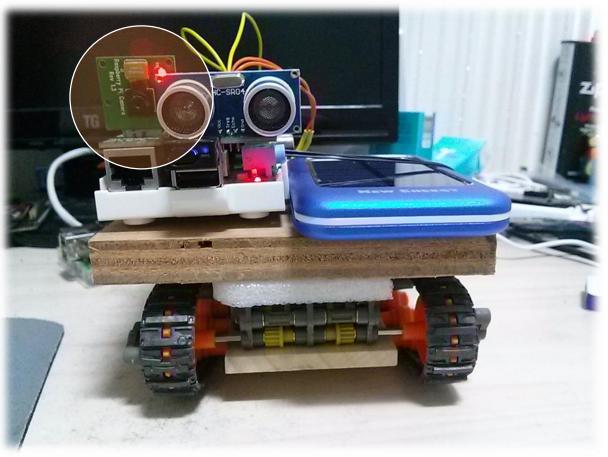




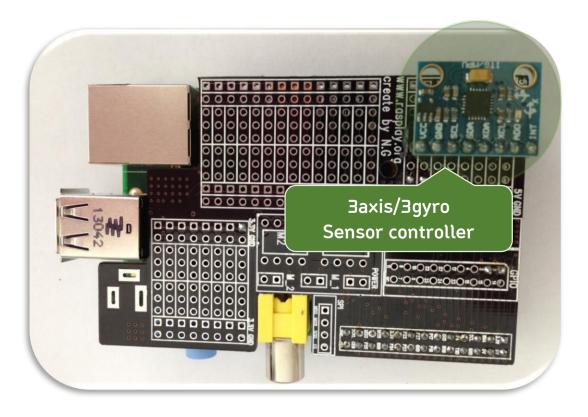
#### Tanking Pi: RFID recognition Engine Start & Auto-Driving RC car

\* Tanking Pi Car: Tank + Thinking + RaspberryPi

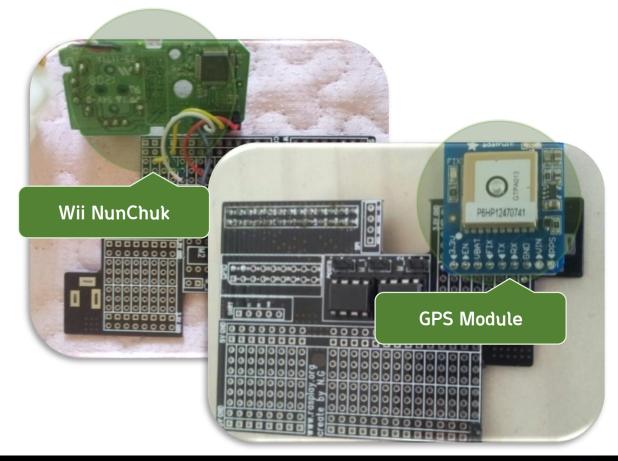




## **Baxis acceleration/gyro**Remote controller



## Multi Wii NunChuk /GPS Module





D.I.Y: Do it Yourself
Only one Making & Play for me Multi-pi UART communication & LCD

## Multi-Pi UART Terminal communication

### **UART Module** COM5 - PUTTY rasplay login: Linux rasplay 3.8.4+ #406 PREEMPT Mon Apr 8 21:59:50 BST 2013 armv61 The programs included with the Debian GNU/Linux system are free software; the exact distribution terms for each program are described in the individual files in /usr/share/doc/\*/copyright. Debian GNU/Linux comes with ABSOLUTELY permitted by applicable law. **UART Terminal** pi@rasplay:~\$

## Raspberry pi **Monitoring LCD**

