Setting up Bluetooth Module with AT commands

BT MODULE ARDUINO BOARD when setting AT commands

RX------10

TX------11

KEY/ENABLE/WAKUP----9

VCC-----5V

GND-----GND

Code is attached in File for setting Bluetooth to AT commands

Useful AT commands:

After it if you send AT to module then module will respond with OK

AT → Test Command

AT+NAME=xyz → Set Bluetooth Name

AT+PSWD=xyz → Set Password

AT+UART=<value1> → set Baud rate

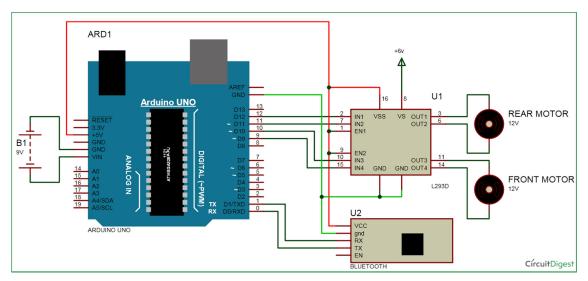
Eg. AT+UART=9600

Connections when using in project after setting AT commands

Arduino Pins Bluetooth Pins

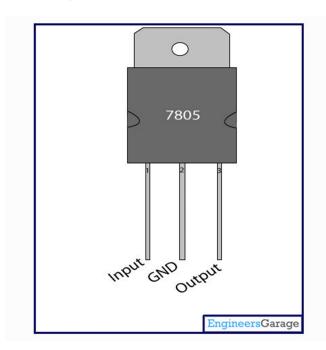
Cleaning Bots Connections:



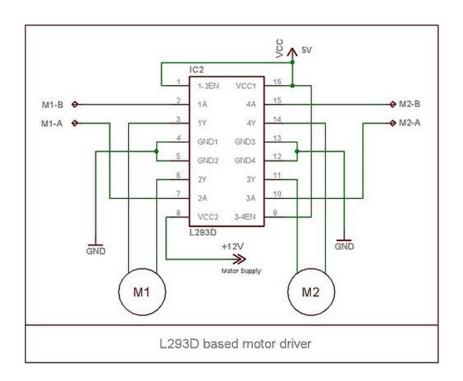


Changes:

- 1) Use voltage Division using 7805 and power Vin with 5v
- 2) Vs-pin 8 of L293d is 12V



Note: Use 12V as Input pin , it will give 5V output use this to power Vin



Touched button in Bluetooth controller app	Output for front side motor to give direction		Output for rear side motor to move forward or reverse direction		
Button	M11	M12	M21	M22	Direction
Stop	0	0	0	0	Stop
Forward	0	0	0	1	Forward
Backward	0	0	1	0	Backward
Right	1	0	0	1	Right
left	0	1	0	1	Left