

wire connect table

| Arduino UNO | v5.0 | Module | |
|--------------------|------|--------|---------------------------|
| D11 | G | G | Line tracking module #1 |
| | V | V+ | |
| | S11 | S | |
| D4 | G | G | Line tracking module #2 |
| | V | V+ | |
| | S4 | S | |
| D2 | G | G | Line tracking module #3 |
| | V | V+ | |
| | S2 | S | |
| D3 | G | | SG90 |
| | V | | |
| | S3 | | |
| D10 | S10 | ENA | L298N(Motor driver board) |
| D9 | S9 | N1 | |
| D8 | S8 | N2 | |
| D7 | S7 | N3 | |
| D6 | S6 | N4 | |
| D5 | S5 | ENB | |
| D12 | G | G | Infrared receicer module |
| | V | R | |
| | S12 | Y | |
| A5 | V | Vcc | Ultrasonic Sensor module |
| A4 | A5 | Trlg | |
| | A4 | Echo | |
| | G | Gnd | |
| D0 (RX) D1 (TX) | + | VCC | Bluetooth module |
| | - | GND | |
| | RX | TXD | |
| | TX | RXD | |

| L298N board | DC Motor | | Control Pin |
|-------------|------------|-------------------|-------------|
| OUT1 | Brack wire | Right back motor | N1,N2 |
| OUT2 | Red wire | | |
| OUT1 | Brack wire | Right front motor | |
| OUT2 | Red wire | | |
| OUT3 | Brack wire | Left front motor | N3,N4 |
| OUT4 | Red wire | | |
| OUT3 | Brack wire | Left back motor | |
| OUT4 | Red wire | | |

- PS:1.V, +, Vcc, VCC, V+ connect to UNO board +5v
2.GND,G, connect to UNO board GND
3.the fill color is the wire color
4.the uno pin A0~A3 have never use in the car