

Remote Control Lights Using Hc05 Bluetooth And Mobile App

Needs :

- Hc05 bluetooth - (1)
- Arduino - (1)
- Breadboard - (1)
- Connecting wires. - (as per need)

Connections

Step 1: Connecting HC-05 Bluetooth Module With Arduino



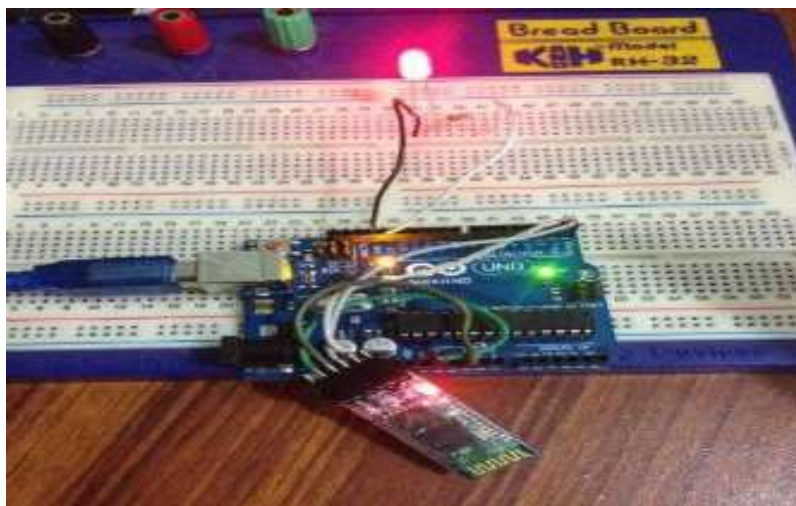
(like this)

1. Connect VCC with 3.3V of Arduino, please do not connect it with 5V as that can cook the module
2. Connect GND with any GND of Arduino
3. Connect Rx pin with Tx of Arduino
4. Connect Tx pin with Rx of Arduino

Now power-up the Uno using USB cable, a red light LED on HC-05 will start blinking.

Step 2: Connect the LED and Control It Using Arduino Serial Monitor

After uploading, open Arduino Serial Monitor, set the baud rate to 9600 and command line ending drop down (the one next to baud rate) to "No line ending", that means we will not be sending and /r or /n characters with our serial command.



(like this)

Now type character "a" in the serial monitor and press send, the your LED should turn on, then send "b", the LED should turn off.

(a,b as per the given code in the file)