

Bluetooth Controlled Bot

Components Required

- Bluetooth Module HC-05
- Arduino Uno
- Motor Driver IC
- DC Geared Motors – 4
- Chassis
- Wheels
- Arduino IDE
- Android Application

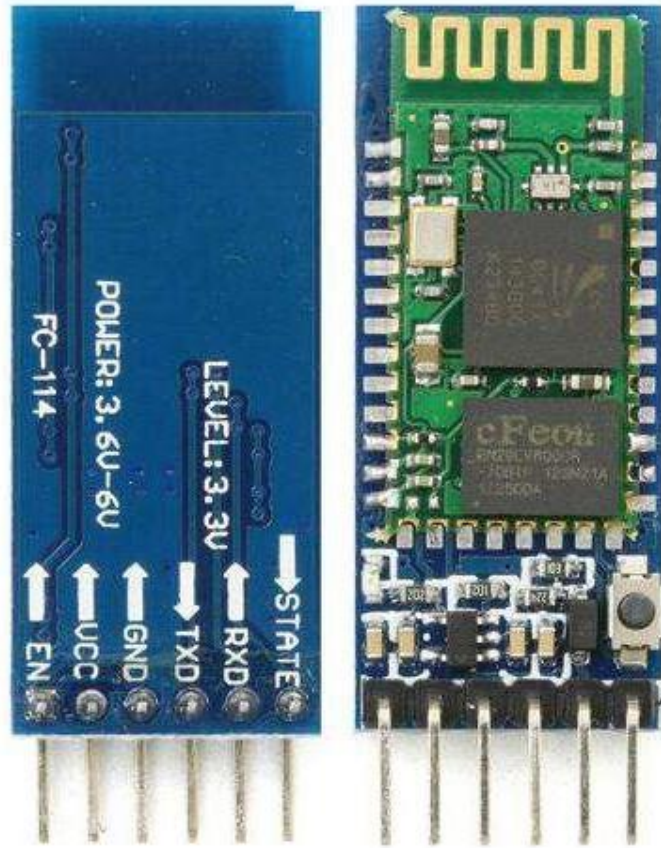
Download app at:

<https://play.google.com/store/apps/details?id=com.giumig.apps.bluetoothserialmonitor>

Bluetooth

- Bluetooth is a wireless technology standard used for exchanging data over short distances.
- Operates on 2.4GHz ISM band
- Range of HC-05 = 10 meters
- Communicates via UART (Universal Asynchronous Receive and Transmit)

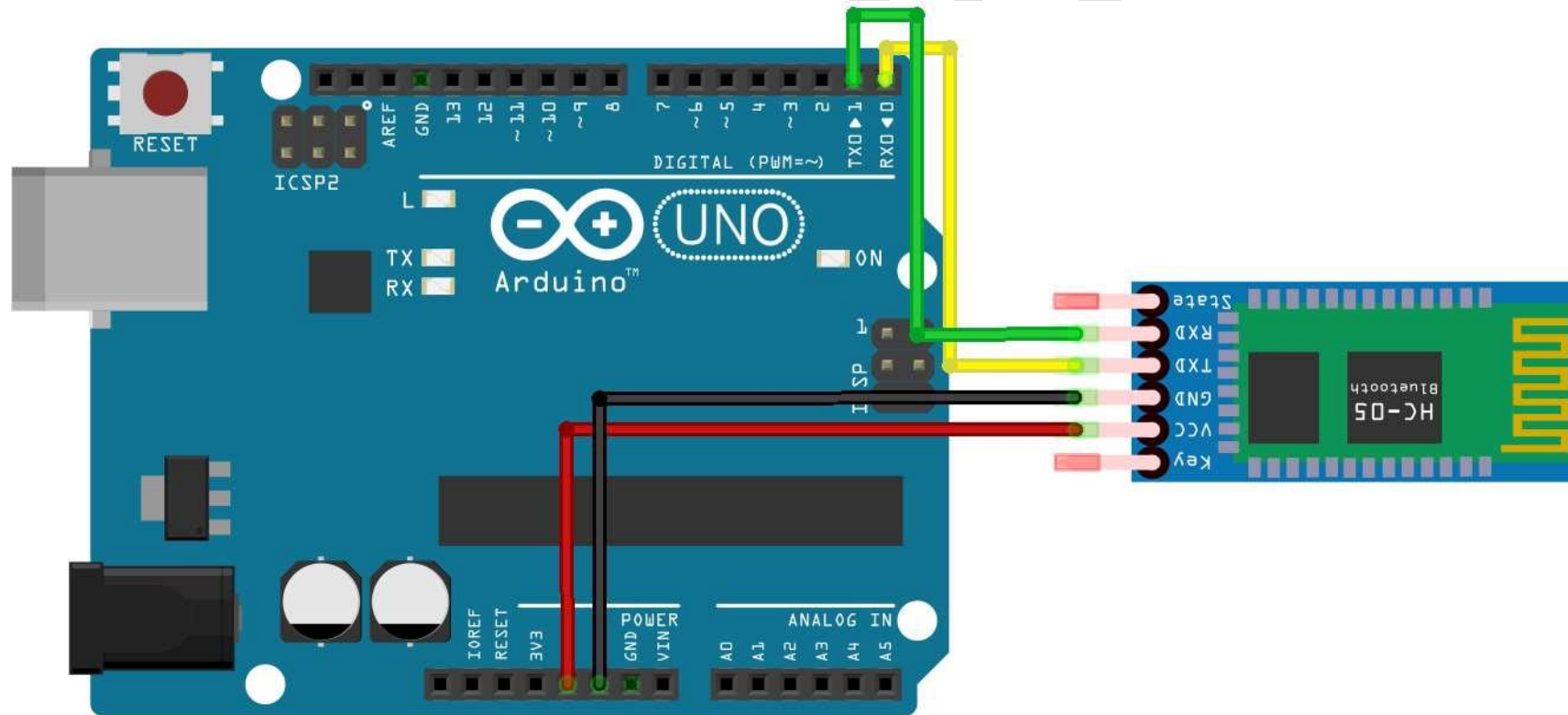
Bluetooth Module HC-05



- Pin Description

- Enable: When pulled HIGH, the module enters AT command mode
- VCC: Supply Voltage (3.6V to 6V)
[Use 5V supply of Arduino]
- GND: Ground Pin
- TXD & RXD: UART Interface
- STATE: Indicates the status of connection

Interfacing the HC-05 with Arduino



Note: Disconnect TX and RX of Arduino to HC-05 while uploading code

