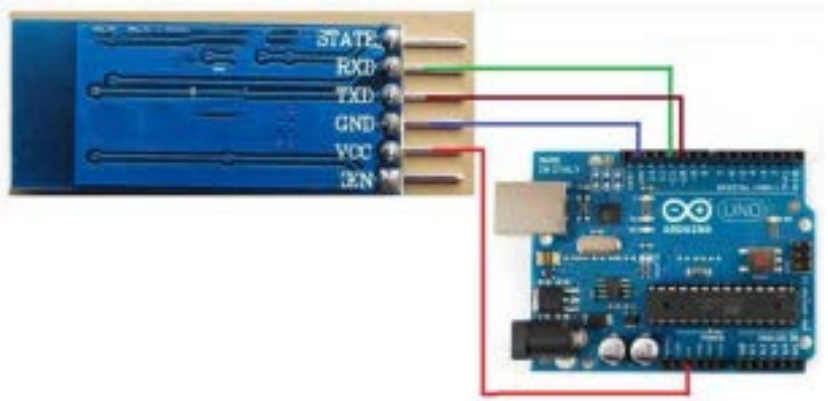
Overview:

This module allows you to integrate an Arduino microcontroller into a Bluetooth® network.



Arduino®		HC-05
5 V	▶	VCC
GND	▶	GND
D11	▶	Rx
D10	▶	Tx

Pin Layout

EN	if brought high before power is applied, forces AT Command Setup Mode; blinks slowly (2 seconds)
VCC	power supply
GND	ground
TXD	transmit serial data
RXD	receive serial data
STATE	tells if connected or not

frequency ..... 2.45 GHz
asynchronous speed.....max. 2.1 Mbps
security ..... authentication
profile ..... Bluetooth Serial Port
power supply.....+3.3 VDC
working temperature..... max. 60 °C

5. Programming Code

Code begin:

```
// This program shown how to control arduino from PC Via Bluetooth
// Connect ...
// arduino>>bluetooth
// D11   >>>  Rx
// D10   >>>  Tx


// you will need arduino 1.0.1 or higher to run this sketch

#include <SoftwareSerial.h>// import the serial library

SoftwareSerial Genotronex(10, 11); // RX, TX
int ledpin=13; // led on D13 will show blink on / off
int BluetoothData; // the data given from Computer

void setup() {
  // put your setup code here, to run once:
  Genotronex.begin(9600);
  Genotronex.println("Bluetooth On please press 1 or 0 blink LED ..");
  pinMode(ledpin,OUTPUT);
}

void loop() {

  // put your main code here, to run repeatedly:
   if (Genotronex.available()){
BluetoothData=Genotronex.read();
   if(BluetoothData=='1'){    // if number 1 pressed ....
   digitalWrite(ledpin,1);
   Genotronex.println("LED   On D13 ON ! ");
   }
  if (BluetoothData=='0'){// if number 0 pressed ....
  digitalWrite(ledpin,0);
   Genotronex.println("LED   On D13 Off ! ");
  }
}
delay(100);// prepare for next data ...
}
```

Code end