

Introduction

Makerduino BLE V1.1 is a wireless communication module. It exchanges data over short distances from fixed and mobile devices, builds personal area networks.

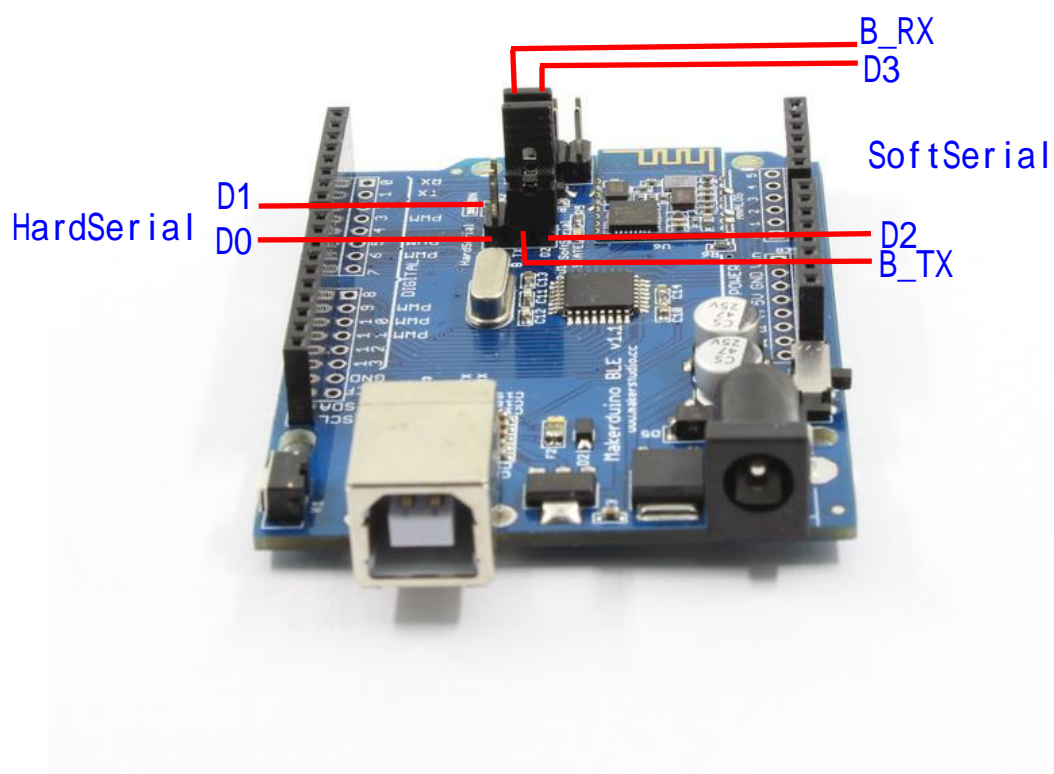
Features

- BT Version: Bluetooth Specification V4.0 BLE
- Working frequency:2.4GHz ISM band
- Modulation method: GFSK(Gaussian Frequency Shift Keying)
- With Arduino Demo Code

Applications

- Wireless control

Details



User guide

The following steps show how to use Makerduino BLE .

Materials

- Makerduino BLE

Steps

- 1.use two jumper caps connet to the soft serial port.
2. Connect the Makerduino BLE to Computer by the USB cable.
- 3.Download the Arduino demo code Makeduino BLE.zip. Unzip the code directly into the Arduino Library path: xxx\arduino-1.0.x\libraries.

4. The following is the demo code for Makeduino BLE.

```
#include <SoftwareSerial.h>
SoftwareSerial mySerial(2, 3); // RX, TX
void setup()
{
  // Open serial communications and wait for port to open:
  Serial.begin(115200);
  while (!Serial) {
    ; // wait for serial port to connect. Needed for Leonardo only
  }

  Serial.println("Goodnight moon!");

  // set the data rate for the SoftwareSerial port
  mySerial.begin(115200);
  mySerial.println("Hello, world!");
}

void loop() // run over and over
{
  if (mySerial.available())
```

```
Serial.write(mySerial.read());  
if (Serial.available())  
  mySerial.write(Serial.read());  
}
```

5. Check the Results. After the sketch is successfully uploaded, open the Serial Monitor. Use you mobile phone transmit messages to Makeduino BLE. The monitor displays received information from Makeduino BLE module.