Setting HC-05 for Uploading
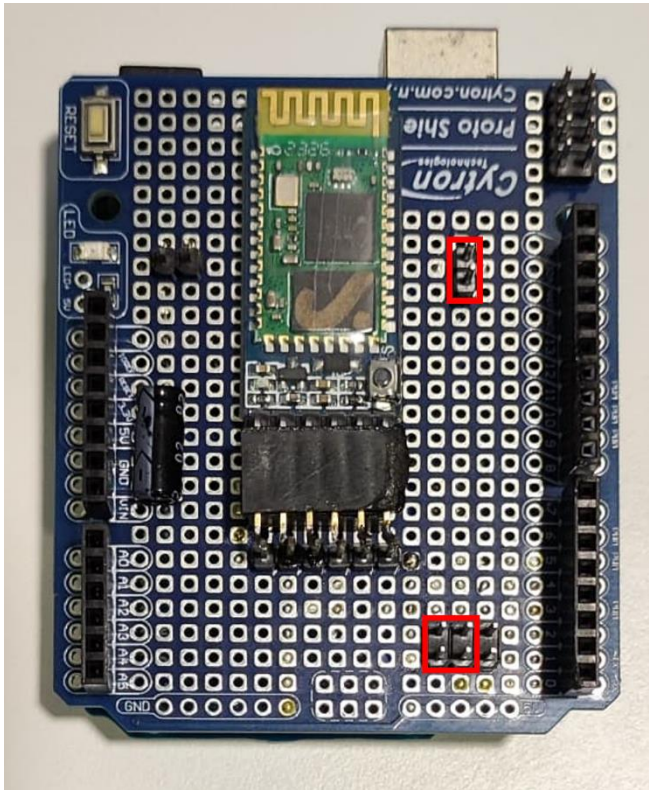

Place jumpers in the locations in Red

```
#include <SoftwareSerial.h>

SoftwareSerial mySerial(5, 4); // RX, TX

void setup() {

Serial.begin(9600);
Serial.println("To setup Bluetooth Uploading");
Serial.println("--------------------------");
Serial.println("AT+NAME=ArdunioBT");
Serial.println("AT+PSWD=1234");
Serial.println("AT+ROLE=0");
Serial.println("AT+POLAR=1,0");
Serial.println("AT+UART=115200,0,0");
Serial.println("--------------------------");
Serial.println("Enter AT commands:");
```
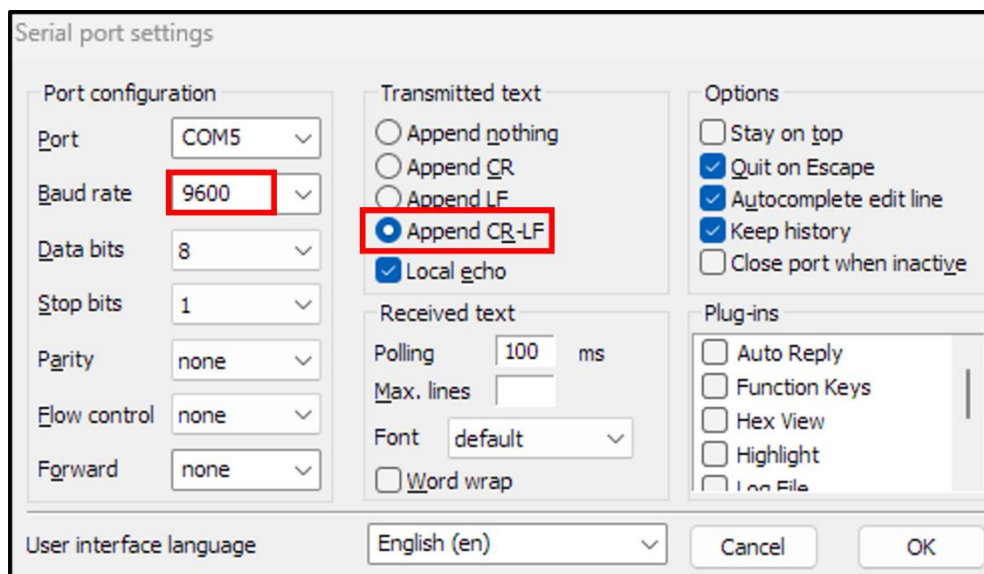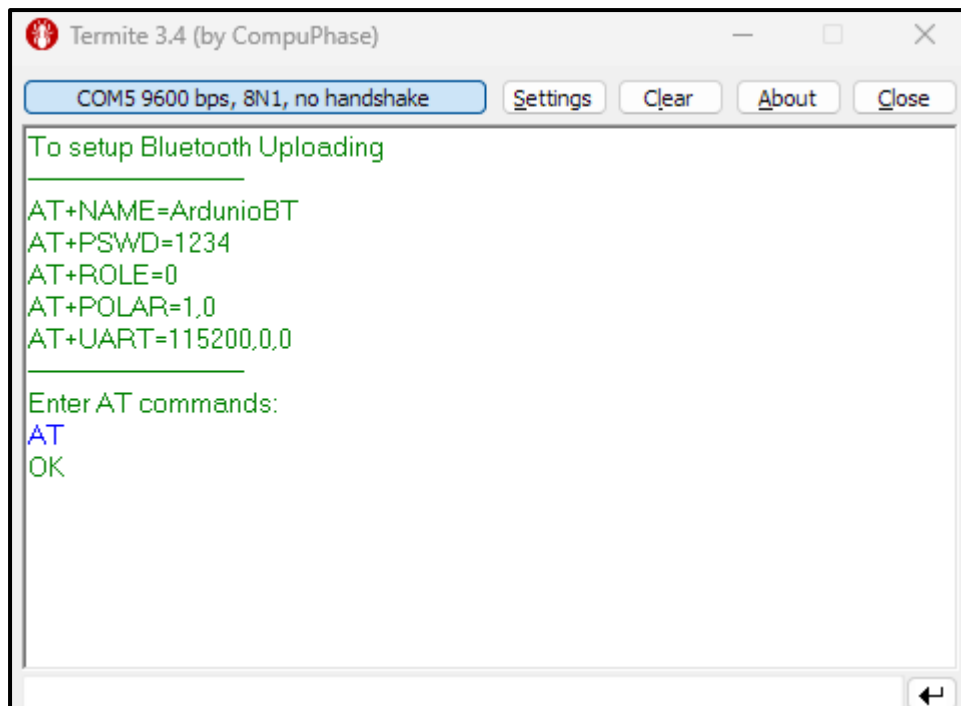
Upload the Arduino code via USB cable

Filename: "BTSetup"

Port Setup for connection

```
Termite 3.4 (by CompuPhase)                      —   □   ✕

   COM5 9600 bps, 8N1, no handshake      Settings   Clear   About   Close

To setup Bluetooth Uploading
_____

AT+NAME=ArdunioBT
AT+PSWD=1234
AT+ROLE=0
AT+POLAR=1,0
AT+UART=115200,0,0
_____

Enter AT commands:
AT
OK




                                                                    ↵
```
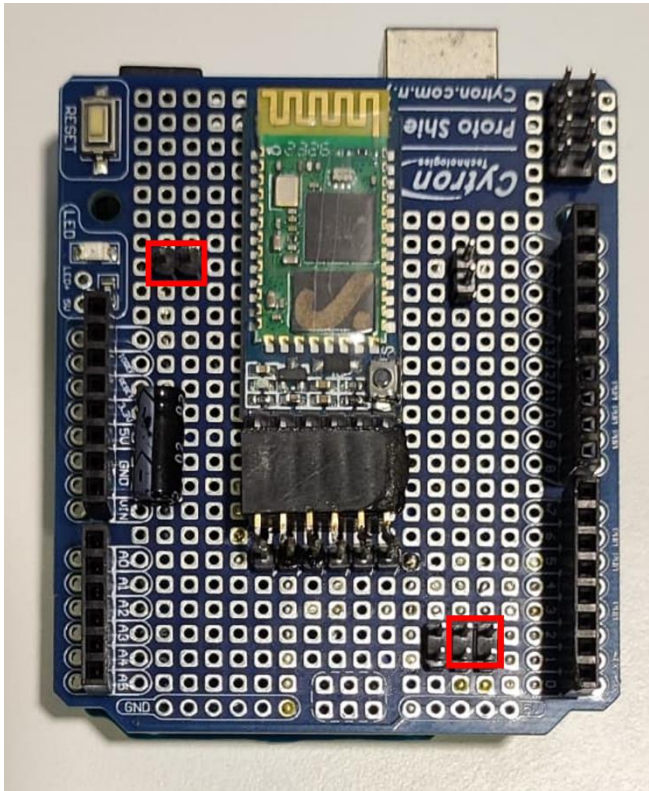
The output should be as above,

Send **AT** to test connection, if **OK** send the command as shown in the serial Monitor.
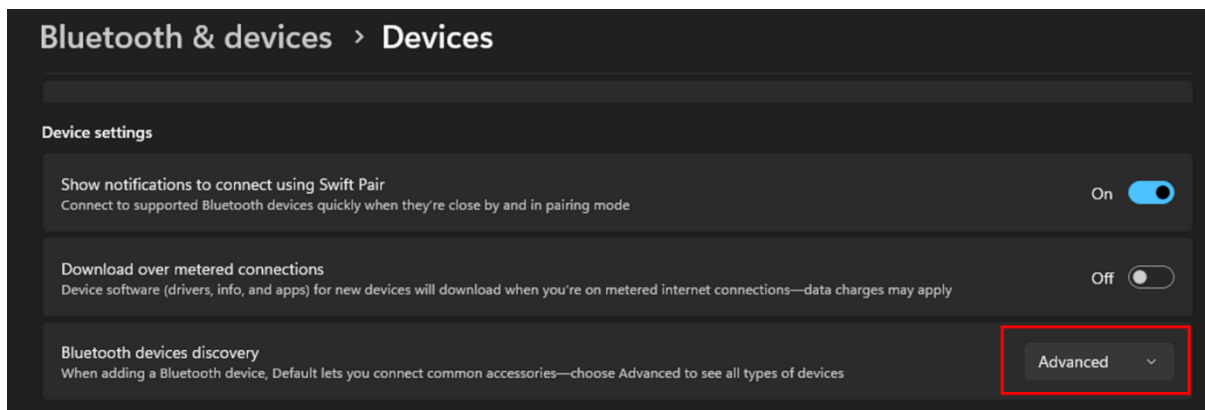
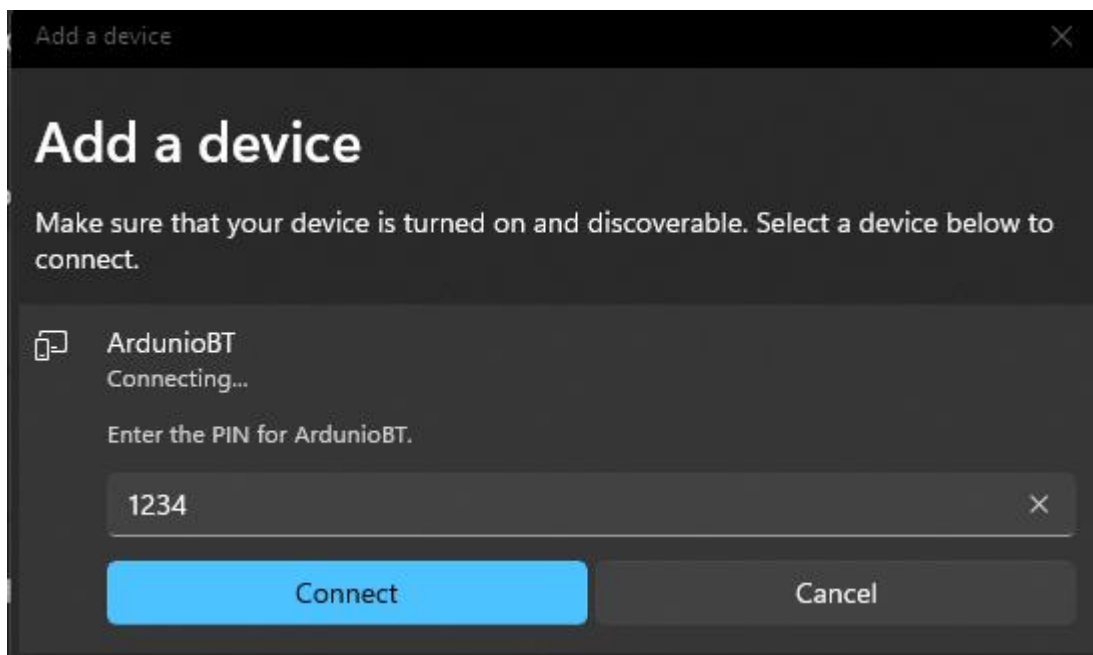If **Error** from **AT**, check jumper and restart.

Uploading Mode

Place jumpers in the locations in Red

To connect on Windows 11

Must enable Advanced setting.

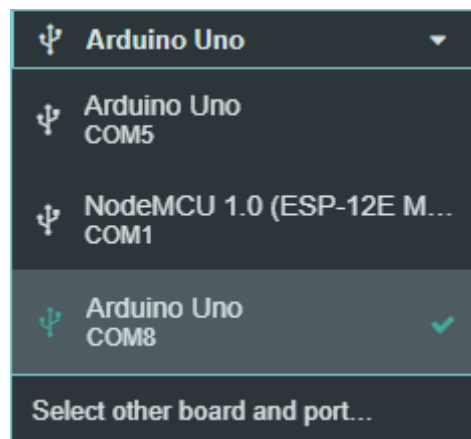Connect to Bluetooth

Open this to check the port.
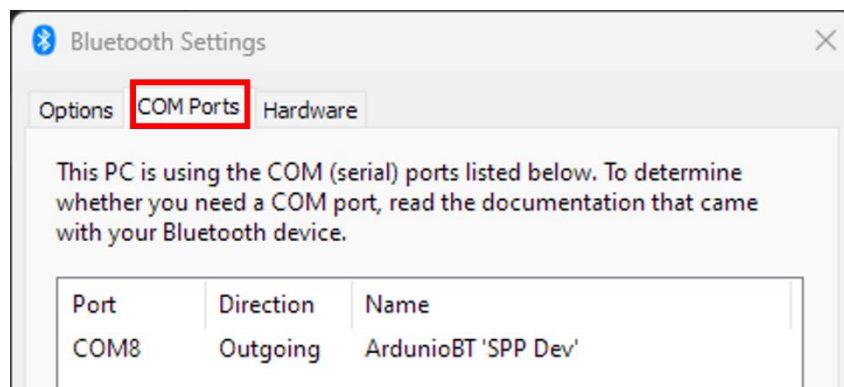
Find outgoing Port to Arduino

This is the port for the connection for uploading.

Using Serial Monitor Via BT

Use the same port as uploading(like normal)

Can only use 115200 speed for monitoring via Bluetooth

```
[env:uno]
platform = atmelavr
board = uno
framework = arduino
upload_port = COM8
monitor_port = COM8
monitor_speed = 115200
```

Platformio setting are as shown above.

Known issue with the serial on platformio:

- Cannot see what is being typed.

So, use termite