

```

#include <SoftwareSerial.h>
int bluetoothTx=2;
int bluetoothRx=3;
SoftwareSerial bluetooth(bluetoothTx, bluetoothRx);
void setup()
{
  Serial.begin(9600); //baud rate of serial monitor
  bluetooth.begin(115200); //default baud rate = integer
  bluetooth.print("$");
  bluetooth.print("$");
  bluetooth.print("$"); //enter command mode
  delay(100); //waiting for bluetooth module
  bluetooth.println("U,9600,N"); // no parity bits changes baud rate for short period
  bluetooth.begin(9600);
}
void loop() // keeps on checking
{
  if (bluetooth.available()) // checks if bluetooth sent any characters
  {

    Serial.println((char)bluetooth.read()); //prints output of converted serial data in serial terminal of arduino
  }
  if (Serial.available () // checks if any serial data was transmitted from the host
  {
    bluetooth.print((char)Serial.read()); // sends serial to bluetooth
  }
}

```