Sender:

#include<SoftwareSerial.h> //Included SoftwareSerial Library

//Started mySerial SoftwareSerial

SoftwareSerial mySerial(10,11);

int x=800;

int id=100;

void setup() {

// put your setup code here, to run once:

mySerial.begin(9600);

Serial.begin(9600);

}

void loop() {

// put your main code here, to run repeatedly:

mySerial.write(id);

delay(500);

uint8\_t LSB = x;

uint8\_t MSB = x >> 8;

mySerial.write(MSB);

mySerial.write(LSB);

delay(100);

}

////

Receiver:

#include<SoftwareSerial.h> //Included SoftwareSerial Library

//Started mySerial SoftwareSerial

SoftwareSerial mySerial(D3,D4);

int id;

void setup() {

// put your setup code here, to run once:

mySerial.begin(9600);

Serial.begin(9600);

}

void loop() {

// put your main code here, to run repeatedly:

while(!mySerial.available()){

}

id=mySerial.read(); //Read the serial data and store it

Serial.print(" id=");

Serial.println(id);

delay(100);

while(mySerial.available()<2){

}

int measure;

byte b1 = mySerial.read();

byte b2 = mySerial.read();

measure = ((int)b1) \* 256 + b2;

Serial.print("measure");

Serial.println(measure);

}