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---- Transmitter Code ----

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#include <SPI.h> //the communication interface with the modem

#include "RF24.h" //the library which helps us to control the radio modem

//define the input pins

int x\_axis = A0;

int y\_axis = A1;

int potPin = A2;

//define variable values

int xValue;

int yValue;

int potValue;

int data[1];

RF24 radio(5,10); //5 and 10 are a digital pin numbers to which signals CE and CSN are connected.

const uint64\_t pipe = 0xE8E8F0F0E1LL; //the address of the modem, that will receive data from Arduino.

void setup(void){

Serial.begin(9600);

radio.begin(); //it activates the modem.

radio.openWritingPipe(pipe); //sets the address of the receiver to which the program will send data.

}

void loop(){

//Send X-axis data

xValue = analogRead(x\_axis);

xValue = map(xValue, 0, 1023, 0, 10);

data[0] = xValue;

radio.write(data, 1);

//Send Y-axis data

yValue = analogRead(y\_axis);

yValue = map(yValue, 0, 1023, 11, 20);

data[0] = yValue;

radio.write(data, 1);

//Send Potentiometer data

potValue = analogRead(potPin);

potValue = map(potValue, 0, 1023, 21, 30);

data[0] = potValue;

radio.write(data, 1);

}