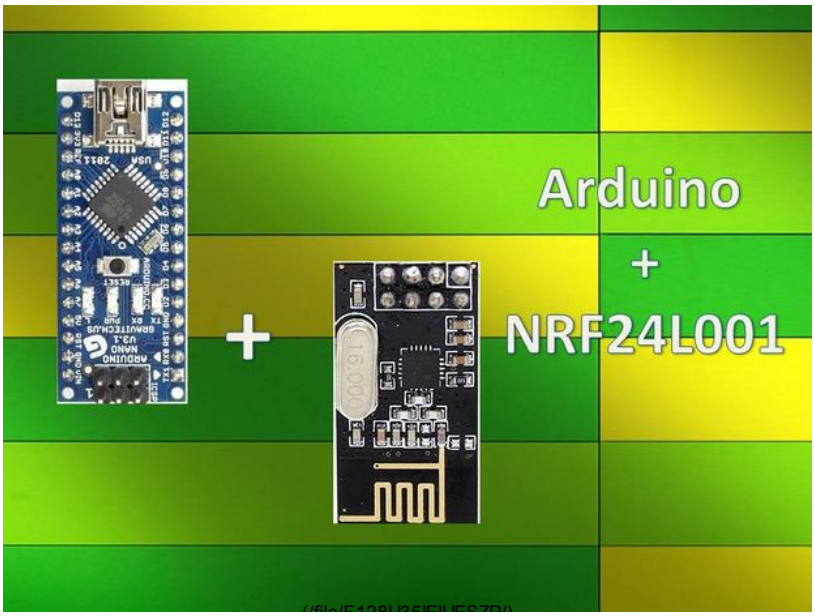


Hello Everyone this is my second instructable . After lots of surfing on GOOGLE when I wont able to find a easy and a simple tutorial for NRF24L01 transceiver then I decided to publish an instructable on this. This is a simple short and easy tutorial for NRF24L01 Radio 2.4GHz Transmitter Receiver. In this tutorial I am going to control led using a pair of NRF24L01 transceiver.

Step 1: Small Introduction About NRF 24L01 transceiver

Wireless Remote Using 2.4 Ghz NRF24L01 : Simple Tutorial Us...

0:38 / 0:38

Akshay Jha (/member/Akshay+Jha/)
Just4electronics (http://https://just4electronics.wc
(/member/Akshay+Jha/) Follow 34

Bio: Hello I am Tech Creator Akshay I love electronics and get in touch for more projects

More by Akshay Jha:

(/id/Graphics-on-Nokia-5110-Lcd-using-Arduino/)

(/id/Wireless-Remote-Using-24-Ghz-NRF24L01-Simple-Tutor/)

(/id/Stereo-6283-Audio-Amplifier-Simple/)

Tags:

NRF24L01+ transceiver (/tag/type-id/keyword-NRF24L01%2B%20transceiver
NRF24L01 2.4 GHz tutorial (/tag/type-id/keyword-NRF24L01%202.4%20GHz%
NRF24L01 & Arduino (/tag/type-id/keyword-NRF24L01%20%26%20Arduino/)
Wireless remote (/tag/type-id/keyword-Wireless%20remote/)

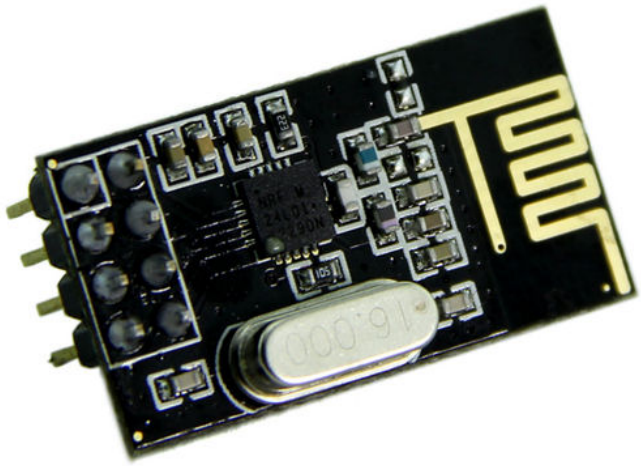
Add instructable to:

Group

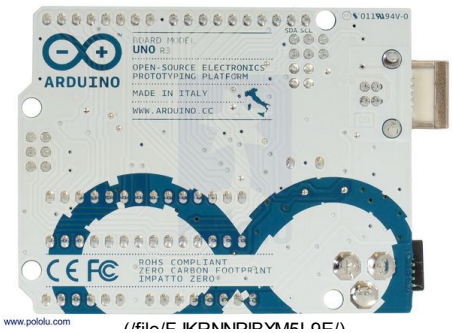
Related

The nRF24L01 is a highly integrated, ultra low power (ULP) 2Mbps RF transceiver IC for the 2.4GHz ISM (Industrial, Scientific and Medical) band. With peak RX/TX currents lower than 14mA, a sub µA power down mode, advanced power management, and a 1.9 to 3.6V supply range, the nRF24L01 provides a true ULP solution enabling months to years of battery lifetime when running on coin cells or AA/AAA batteries .

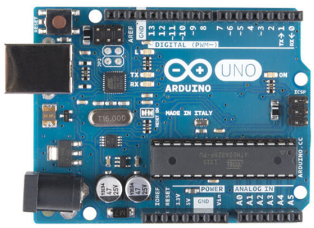
Step 2: Material Require



(/file/FHTX4H2IRYM5JP6/)



(/file/FJKRNNRIRYM5L9E/)



(/file/FKVTRVZIRYM5LAH/)

(/file/FA762XFIRYM5LAK/)

(/file/FWJT0YYIRYM5KFY/)

(/file/FH2MRQZIRYM5KGU/)

Show All Items

1. 2 PCS NRF24L01+2.4 GHz Wireless Transceiver module
2. 2 Arduino any (I have used one arduino R3 & nano)
3. Male to. femal jumpers
4. LED
5. Any Switch
6. 10K resistor

wireless pan and tilt camera rig with arduino (/id/wireless-pan-and-tilt-camera-rig-with-arduino/)

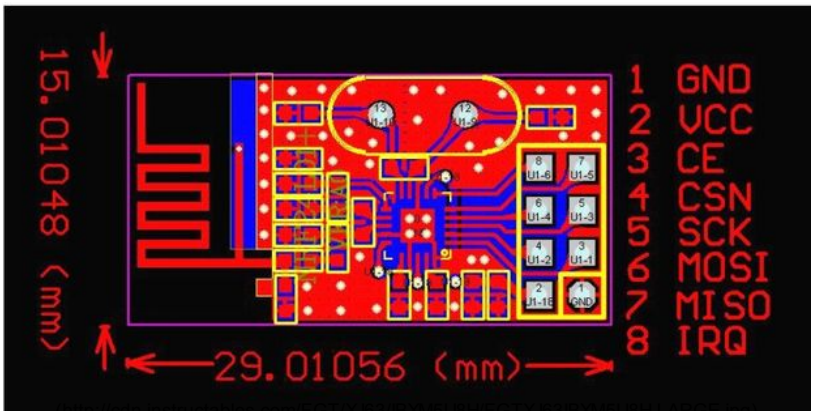
Arduino Using NRF24L01 Rf Module (/id/Arduino-NRF24L01-USING-RF-Module/)

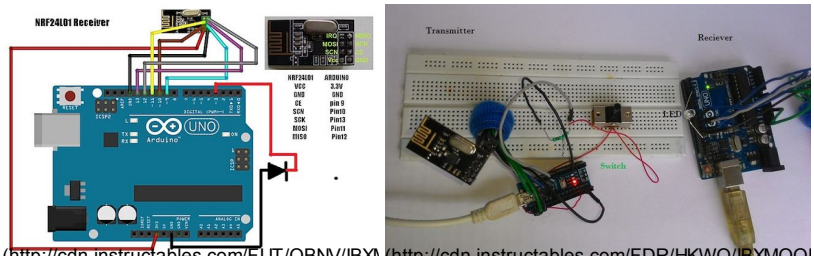
NRF24L01+ Multiceiver Network (/id/NRF24L01-Multiceiver-Network/) by millervet (/member/millervet/)

Wireless Sensor Node With the NRF24L01 (/id/Wireless-Sensor-Node-With-the-NRF24L01/)

NRF24L01 Wireless Keyboard Data Transmission System Based on Arduino (/id/NRF24L01-Wireless-

Step 3: Connections





- Connect the following pins to your Arduino:as shown in figure
- **Pin 9 - CE**
- **Pin 10 - CS(N)**
- **Pin 11 - MOSI**
- **Pin 12 - MISO**
- **Pin 13 - SCK**
- **3.3v - VCC**
- **GND - GND**
- **On the Receiver Pin 3 - LED**
- **On the Transmitter Pin 7 - Button**
- same connection for receiver and transmitter and you can use any arduino board

Step 4: Coding arduino

For coding arduino first we need some library files so follow the steps given below :

1. Download the ZIP file (library file zip folder from attachments).

3. Unpack the ZIP file.

4. Go to arduino library folder

5. And paste both the folders named " nFR24L01" and "RF24" into it.

Now, program the Arduino receiver and transmitter

Code for Receiver

Wireless Remote Using 2.4 Ghz NRF24L01 : Simple Tutorial Using of NRF24L01 & Arduino by Akshay Jha (/member/Akshay+Jha/)

```
<p>#include <SPI.h><br>#include "nRF24L01.h"
#include "RF24.h"
int msg[1];
RF24 radio(9,10);
const uint64_t pipe = 0xE8E8F0F0E1LL;
int LED1 = 3;</p><p>void setup(void){
 Serial.begin(9600);
 radio.begin();
 radio.openReadingPipe(1,pipe);
 radio.startListening();
 pinMode(LED1, OUTPUT);}</p><p>void loop(void){
 if (radio.available()){
   bool done = false;
   while (!done){
     done = radio.read(msg, 1);
     Serial.println(msg[0]);
     if (msg[0] == 111){delay(10);digitalWrite(LED1, HIGH);}
     else {digitalWrite(LED1, LOW);}
     delay(10);}}
 else{Serial.println("No radio available");}}</p>
```

Code for Transmitter

```
<p>#include  <SPI.h><br>#include "nRF24L01.h"
#include "RF24.h"
int msg[1];
RF24 radio(9,10);
const uint64_t pipe = 0xE8E8F0F0E1LL;
int SW1 = 7;</p><p>void setup(void){
 Serial.begin(9600);
 radio.begin();
 radio.openWritingPipe(pipe);}</p><p>void loop(void){
 if (digitalRead(SW1) == HIGH){
 msg[0] = 111;
 radio.write(msg, 1);}}</p>
```

library files.zip (/files/orig/FV6/0AAE/IBXM5ZIY/FV60AAEIBXM5ZIY.zip)

Step 5: Testing

This is a last step after completing the circuit and coding part we can easily test it by switching "ON" and "OFF". .

When switch is "ON" on transmitter side connected to pin 7 of arduino then led glows on receivers side connected to pin 3 of arduino .Video Shows the output of this project.

THANKS HOPE THIS WILL HELP YOU

We have a be nice comment policy.
Please be positive and constructive.

I Made it! Add Images Post Comment

AchieverSanjay (/member/AchieverSanjay) 16 days ago Reply

Dear Akshay,

Kindly provide a code to control 4 outputs (non-toggle) using nRF24L01 module.

Thanks in Advance.

Flag

mbehera1 (/member/mbehera1) 25 days ago Reply

getting error on receiver part.....

void value not ignored as it ought to be

(http://cdn.instructables.com/FQL/DJOU/IOQ1IKH4/FQLDJOUIOQ1IKH4.LARGE.jpg)

Flag

procesor (/member/procesor) ▸ mbehera1 (/member/mbehera1) Reply

Did you fix that ? If you do, tell me how because i have the same problem. 21 days ago

Flag

bhadresh parmar (/member/bhadresh parmar) a month ago Reply

Thanks mr.jha.I made it and is working.tried adding more switches and led.does not work.pls guide to get the result.
Regards

Flag

jimkan (/member/jimkan) 9 months ago Reply

Jha,

Got an error on this line

done = radio.read(msg, 1);

couldn't figure out this compiler error "void value not ignored as it ought to be"

Thx

Flag

Wireless Remote Using 2.4 Ghz NRF24L01 : Simple Tutorial Using of NRF24L01 & Arduino by Akshay Jha (/member/Akshay+Jha/)

Akshay Jha (/member/Akshay Jha) (author) ▸ jimkan (/member/jimkan) Reply

@ jimkan Sorry for late reply I think you should try with new 9 months ago

JT3WH0 (/member/JT3WH0) ▸ Akshay Jha (/member/Akshay Jha) Reply

I get the same error, installed latest arduino, still the same error 2 months ago

Flag

JT3WH0 (/member/JT3WH0) ▸ JT3WH0 (/member/JT3WH0) 2 months ago Reply

Fixed, I deleted the rf24 library I had an installed the one linked from arduino, then it compiled

Flag

BryanT46 (/member/BryanT46) ▸ JT3WH0 (/member/JT3WH0) Reply

Just to let you know, the newer library function "radio.read" is now a void, and not a boolean function. View the function here: https://github.com/TMRh20/RF24/blob/master/RF24.h#L201 2 months ago

Flag

cts_casemod (/member/cts_casemod) 5 months ago Reply

Ok, so using the code below, the only thing I managed to get was 'no radio available' error. After scratching my head, I decided to have a look at the libraries and change a few things to get this in a working state.

I tried both arduino 1.05 and 1.6.7.

First I changed the master to enable the internal pull up. What this does is keeps the input pin in a high level unless one grounds it, making the assembly of a switch easier.

Second, I added a bit called senderId. This is a 8 bit binary word which is sent from the transmitter to the receivers. On its most basic form, it can be used to control 256 receivers, by checking the received message.

Lastly I changed the transmission speed to 250Khz. I dont see the need for more and transmission quality/range is increased.

Hardware wise I attached a 2.2uF ceramic capacitor directly to the pins on the receiver (1206 SMT). This was needed to achieve reliable transmission.

So the code:

Transmitter:

```
**********************************************************************

#include <SPI.h>
#include "nRF24L01.h"
#include "RF24.h"

int transmitterId = 0;

// Set up nRF24L01 radio on SPI bus plus pins 9 & 10
// Contacts from the radio to connect NRF24L01 -> Arduino

//SCK -> 13
//MISO -> 12
//MOSI -> 11
//CSN -> 10
//CE -> 9
RF24 radio(9,10);
// Transmitter address
const uint64_t pipe = 0xE8E8F0F0E1LL;
```

```
//button connected to these pins

int buttonPin1 = 7;

void setup(void) {

// CHANGE THIS PER EACH TRANSMITTER, from 0 to 255
transmitterId = 64;

pinMode(buttonPin1, INPUT_PULLUP);
radio.begin();

// the following statements improve transmission range
radio.setPayloadSize(2); // setting the payload size to the
needed value
radio.setDataRate(RF24_250KBPS); // reducing bandwidth

radio.openWritingPipe(pipe); // set the transmitter address

}

void loop(void) {

//until button 1 (buttonPin1) pressed send the package (id) to
receiver Arduino
if (digitalRead(buttonPin1) == HIGH) {

// some implementations automatically shut down the radio
after a transmission: this ensures the radio is powered up
before sending data
radio.powerUp();

// read and write expect a reference to the payload (&
symbol)
// second argument is the packet length in bytes (sizeof(int)
== 2)
radio.write(&transmitterId, 1);
//delay(100);
}
}
```

****

Receiver:

****

```
#include <SPI.h>
#include "nRF24L01.h"
#include "RF24.h"

int senderId;

// Set up nRF24L01 radio on SPI bus plus pins 9 & 10
//Contacts from the radio to connect NRF24L01 pinamnam -
> Arduino

//SCK -> 13
//MISO -> 12
//MOSI -> 11
//CSN -> 10
//CE -> 9

RF24 radio(9, 10);

// this is not the channel address, but the transmitter address
const uint64_t pipe = 0xE8E8F0F0E1LL;

// Output LED
int LEDpin = 3;

void setup(void) {
Serial.begin(9600);
radio.begin();
// the following statements improve transmission range
```

Wireless Remote Using 2.4 Ghz NRF24L01 : Simple Tutorial Using of NRF24L01 & Arduino

by Akshay Jha (/member/Akshay+Jha/)

```
radio.setPayloadSize(2); // setting the payload size to the
needed value
radio.setDataRate(RF24_250KBPS); // reducing bandwidth

radio.openReadingPipe(1, pipe); // Open one of the 6 pipes
for reception

radio.startListening(); // begin to listen

// Enable all the LED pins as output
pinMode(LEDpin, OUTPUT);
digitalWrite(LEDpin, LOW); // this is unnecessary but good
practice nonetheless

}

void loop(void) {

// Turns off all the LEDs
digitalWrite(LEDpin, LOW);

if (radio.available()) {

// this while is here to throw away all the packets but the last
one
bool done = false;
while (!done) {

// read and write expect a reference to the payload (&
symbol)
// second argument is the packet length in bytes (sizeof(int)
== 2)
done = radio.read(&senderId, 1);
}

//Light up the correct LED for 50ms
if (senderId == 64)
{
digitalWrite(LEDpin, HIGH);
Serial.print("LED ");
Serial.print(senderId);
Serial.print(" On , ");
}
Serial.print("Received = ");
Serial.println(senderId);
delay(500);
}
}
**************************************************************************
```

Flag

lvkamaker (/member/lvkamaker) ▸ cts_casemod (/member/cts_casemod)

2 months ago Reply

Hi! can you help me? i want to send 6 different messages, have you any ideas? thanks so much.

Flag

Baguda (/member/Baguda)

3 months ago Reply

What exactly is the "pipe" variable? Is it something like an address? Does changing this allow more than one pair of transceivers to operate simultaneously?

Flag

rpangga (/member/rpangga)

3 months ago Reply

Thanks a lot, It's so helpful for me :)

SuryaP42 (/member/SuryaP42) 4 months ago Reply

Hi Guys!

Need a help. I have been working on a project that controls car wirelessly using NRF24L01. well, I have used four buttons for the directions. The problem is message is sent randomly(not junk values) even if I dont press any buttons.

my code is as follows:

Transmitter:

```
#include <SPI.h>
#include <nRF24L01.h>
#include <RF24.h>
RF24 radio(9, 10);
const uint64_t pipe=0xE8E8F0F0E1LL;
int fkey = 3;
int bkey = 4;
int rkey = 5;
int lkey = 6;
void setup(void) {
pinMode(fkey, INPUT);
pinMode(bkey, INPUT);
pinMode(rkey, INPUT);
pinMode(lkey, INPUT);
radio.begin();
radio.setPayloadSize(2);
radio.setDataRate(RF24_250KBPS);
radio.openWritingPipe(pipe);
radio.stopListening();
}
void loop(void) {
if (digitalRead(fkey)==HIGH &&digitalRead(bkey)==LOW &&
digitalRead(rkey)==LOW &&digitalRead(lkey)==LOW)
{
char msg[] = "A";
radio.write(&msg, sizeof(msg));
}
else if (digitalRead(bkey)==
HIGH&&digitalRead(fkey)==LOW&&digitalRead(rkey)==LOW
{
char msg[] = "B";
radio.write(&msg, sizeof(msg));
}
else if
(digitalRead(fkey)==LOW&&digitalRead(bkey)==LOW&&dig
{
char msg[] = "C";
radio.write(&msg, sizeof(msg));
}
else if
(digitalRead(fkey)==LOW&&digitalRead(bkey)==LOW&&dig
&&digitalRead(lkey)==HIGH){
char msg[] = "D";
radio.write(&msg, sizeof(msg));
}
```

```
}
RECEIVER:
#include <SPI.h>
#include <nRF24L01.h>
#include <RF24.h>
char msg[32]={0};
RF24 radio(9,10);
const uint64_t pipe =0xE8E8F0F0E1LL;
int mot1f=3;
int mot1b=4;
int mot2f=6;
int mot2b=5;
void setup(void)
{
Serial.begin(9600);
radio.begin();
radio.setPayloadSize(2);
radio.setDataRate(RF24_250KBPS);
radio.openReadingPipe(1,pipe);
radio.startListening();
pinMode(mot1f,OUTPUT);
pinMode(mot1b,OUTPUT);
pinMode(mot2f,OUTPUT);
pinMode(mot2b,OUTPUT);
}
void loop(void){
if (radio.available())
{
radio.read(&msg, sizeof(msg));
Serial.println(msg);
if(msg=="A")
{
digitalWrite(mot1f,HIGH);
digitalWrite(mot1b,LOW);
digitalWrite(mot2f,HIGH);
digitalWrite(mot2b,LOW);
}
else if(msg=="B")
{
digitalWrite(mot1b,HIGH);
digitalWrite(mot2b,HIGH);
digitalWrite(mot1f,LOW);
digitalWrite(mot2f,LOW);
}
else if(msg=="C")
{
digitalWrite(mot1f,HIGH);
digitalWrite(mot1b,LOW);
digitalWrite(mot2f,LOW);
digitalWrite(mot2b,LOW);
```

Wireless Remote Using 2.4 Ghz NRF24L01 : Simple Tutorial Using of NRF24L01 & Arduino

by Akshay Jha (/member/Akshay+Jha/)

```
}
else if(msg=="D")
{
digitalWrite(mot2f,HIGH);
digitalWrite(mot2b,LOW);
digitalWrite(mot1f,LOW);
digitalWrite(mot1b,LOW);
}
else
{
digitalWrite(mot1f,LOW);
digitalWrite(mot1b,LOW);
digitalWrite(mot2f,LOW);
digitalWrite(mot2b,LOW);
}
}
}
```

Flag

learn4ever (/member/learn4ever) ▸ SuryaP42 (/member/SuryaP42) Reply

3 months ago

Check the internet for PinMode with INPUT_PULLUP and also look for "debounce" push buttons.

2 things that will go wrong when you use push buttons simply connected as open switch: it will float and (aside from the "floating" input) when you press it, it will bounce.

Also beware that (especially brushed) electromotors produce a lot of RF interference so that could also be part of your problem, make sure to put capacitors over the motor inputs. Finally try not to power your motor with the same power lines as the RF module

Flag

buderosdad1 (/member/buderosdad1) ▸ SuryaP42 (/member/SuryaP42)

3 months ago Reply

Actually sounds like your problem is the input switches. Do you have a load resistor on them? Inputs can not be left unreferenced, if that is a word.

Flag

MattN49 (/member/MattN49) 4 months ago Reply

I am trying to use one transmitter to cycle through communications with receiver arduinos. I am trying to open pipe1 to receiver1, transmit data, receive a value from the receiver, and close that pipe. Open pipe2, transmit, receive, close pipe two. repeat through all four receivers. I'm not sure how I set the transmitter to change writing pipes or how to use ACK to automatically check for the returned value rather than switching between transmitting and receiving. Appreciate any help.

Flag

MohammadS107 (/member/MohammadS107) 4 months ago Reply

Hi Guys !

Please HELP !

Arduino: 1.6.6 (Windows 7), Board: "Arduino/Genuino Uno"

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::csn(int)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::ce(int)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::read_register(unsigned char, unsigned char*, unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::read_register(unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::write_register(unsigned char, unsigned char const*, unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::write_register(unsigned char, unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

collect_ink

Wireless Remote Using 2.4 Ghz NRF24L01 : Simple Tutorial Using of NRF24L01 & Arduino

by Akshay Jha (/member/Akshay+Jha/)

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::write_payload(void const*, unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::read_payload(void*, unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::flush_rx()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::flush_tx()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::get_status()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::print_status(unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

Wireless Remote Using 2.4 Ghz NRF24L01 : Simple Tutorial Using of NRF24L01 & Arduino

by Akshay Jha (/member/Akshay+Jha/)

```
C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::print_observe_tx(unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::print_byte_register(char const*, unsigned char, unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::print_address_register(char const*, unsigned char, unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::RF24(unsigned char, unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::RF24(unsigned char, unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::setChannel(unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':
```

Wireless Remote Using 2.4 Ghz NRF24L01 : Simple Tutorial Using of NRF24L01 & Arduino

by Akshay Jha (/member/Akshay+Jha/)

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::setPayloadSize(unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::getPayloadSize()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::startListening()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::stopListening()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::powerDown()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::powerUp()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::startWrite(void const*, unsigned char)'

Wireless Remote Using 2.4 Ghz NRF24L01 : Simple Tutorial Using of NRF24L01 & Arduino

by Akshay Jha (/member/Akshay+Jha/)

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293 multiple definition of `RF24::getDynamicPayloadSize()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293 multiple definition of `RF24::available(unsigned char*)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293 multiple definition of `RF24::available()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293 multiple definition of `RF24::read(void*, unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293 multiple definition of `RF24::whatHappened(bool&, bool&, bool&)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293 multiple definition of `RF24::write(void const*, unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

Wireless Remote Using 2.4 Ghz NRF24L01 : Simple Tutorial Using of NRF24L01 & Arduino

by Akshay Jha (/member/Akshay+Jha/)

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::openWritingPipe(unsigned long long)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::openReadingPipe(unsigned char, unsigned long long)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::toggle_features()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::enableDynamicPayloads()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::enableAckPayload()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::writeAckPayload(unsigned char, void const*, unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

Wireless Remote Using 2.4 Ghz NRF24L01 : Simple Tutorial Using of NRF24L01 & Arduino

by Akshay Jha (/member/Akshay+Jha/)

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::isAckPayloadAvailable()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::isPVariant()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::setAutoAck(bool)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::setAutoAck(unsigned char, bool)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::testCarrier()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::testRPD()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::setPALevel(rf24_pa_dbm_e)'

Wireless Remote Using 2.4 Ghz NRF24L01 : Simple Tutorial Using of NRF24L01 & Arduino

by Akshay Jha (/member/Akshay+Jha/)

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293 multiple definition of `RF24::getPALevel()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293 multiple definition of `RF24::setDataRate(rf24_datarate_e)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293 multiple definition of `RF24::getDataRate()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293 multiple definition of `RF24::setCRCLength(rf24_crclength_e)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293 multiple definition of `RF24::begin()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293 multiple definition of `RF24::getCRCLength()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

Wireless Remote Using 2.4 Ghz NRF24L01 : Simple Tutorial Using of NRF24L01 & Arduino

by Akshay Jha (/member/Akshay+Jha/)

```
libraries\RF24\RF24.cpp.o: In function
`SPIClass::setBitOrder(unsigned char)':

C:\Program Files
(x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293
multiple definition of `RF24::printDetails()'

sketch\RF24.cpp.o:C:\Program Files
(x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209
first defined here

libraries\RF24\RF24.cpp.o: In function
`SPIClass::setBitOrder(unsigned char)':

C:\Program Files
(x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293
multiple definition of `RF24::disableCRC()'

sketch\RF24.cpp.o:C:\Program Files
(x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209
first defined here

libraries\RF24\RF24.cpp.o: In function
`SPIClass::setBitOrder(unsigned char)':

C:\Program Files
(x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293
multiple definition of `RF24::setRetries(unsigned char,
unsigned char)'

sketch\RF24.cpp.o:C:\Program Files
(x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209
first defined here

collect2.exe: error: ld returned 1 exit status

exit status 1

Error compiling.

 This report would have more information with

 "Show verbose output during compilation"

enabled in File > Preferences.
```

Flag

GirishS10 (/member/GirishS10) ▸ MohammadS107 (/member/MohammadS107)

4 months ago Reply

You probably have two copies of SPI.c and RF24.c files in your computer.

Flag

TabbyM (/member/TabbyM)

4 months ago Reply

Assalam-o-alikum sir..
i need some helo regarding wireless communication using nrf24l01+ modules.
m working on a project that measures current from mains and transmits it wirelessly for further actions.
my problem is that m unable to understand the built in libraries for nrf module. they are rather complex.
i want to write a simple code that can do the job.
i-e transmit the value of current from transmitting device to receiving device.
jazakallahu kher in advance.:)

MohammadS107 (/member/MohammadS107) 4 months ago Reply

Hi Guys !

Please HELP !

```
Arduino: 1.6.6 (Windows 7), Board: "Arduino/Genuino
Uno"

libraries\RF24\RF24.cpp.o: In function
`SPIClass::setBitOrder(unsigned char)':

C:\Program Files
(x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293
multiple definition of `RF24::csn(int)'

sketch\RF24.cpp.o:C:\Program Files
(x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293
first defined here

libraries\RF24\RF24.cpp.o: In function
`SPIClass::setBitOrder(unsigned char)':

C:\Program Files
(x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293
multiple definition of `RF24::ce(int)'

sketch\RF24.cpp.o:C:\Program Files
(x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209
first defined here

libraries\RF24\RF24.cpp.o: In function
`SPIClass::setBitOrder(unsigned char)':

C:\Program Files
(x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293
multiple definition of `RF24::read_register(unsigned char,
unsigned char*, unsigned char)'

sketch\RF24.cpp.o:C:\Program Files
(x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209
first defined here

libraries\RF24\RF24.cpp.o: In function
`SPIClass::setBitOrder(unsigned char)':

C:\Program Files
(x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293
multiple definition of `RF24::read_register(unsigned char)'

sketch\RF24.cpp.o:C:\Program Files
(x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209
first defined here

libraries\RF24\RF24.cpp.o: In function
`SPIClass::setBitOrder(unsigned char)':

C:\Program Files
(x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293
multiple definition of `RF24::write_register(unsigned char,
unsigned char const*, unsigned char)'

sketch\RF24.cpp.o:C:\Program Files
(x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209
first defined here

libraries\RF24\RF24.cpp.o: In function
`SPIClass::setBitOrder(unsigned char)':

C:\Program Files
(x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293
multiple definition of `RF24::write_register(unsigned char,
unsigned char)'
```

Wireless Remote Using 2.4 Ghz NRF24L01 : Simple Tutorial Using of NRF24L01 & Arduino

by Akshay Jha (/member/Akshay+Jha/)

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::write_payload(void const*, unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::read_payload(void*, unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::flush_rx()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::flush_tx()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::get_status()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::print_status(unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

Wireless Remote Using 2.4 Ghz NRF24L01 : Simple Tutorial Using of NRF24L01 & Arduino

by Akshay Jha (/member/Akshay+Jha/)

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::print_observe_tx(unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::print_byte_register(char const*, unsigned char, unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::print_address_register(char const*, unsigned char, unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::RF24(unsigned char, unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::RF24(unsigned char, unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::setChannel(unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

Wireless Remote Using 2.4 Ghz NRF24L01 : Simple Tutorial Using of NRF24L01 & Arduino

by Akshay Jha (/member/Akshay+Jha/)

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::setPayloadSize(unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::getPayloadSize()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::startListening()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::stopListening()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::powerDown()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::powerUp()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::startWrite(void const*, unsigned char)'

Wireless Remote Using 2.4 Ghz NRF24L01 : Simple Tutorial Using of NRF24L01 & Arduino

by Akshay Jha (/member/Akshay+Jha/)

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293 multiple definition of `RF24::getDynamicPayloadSize()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293 multiple definition of `RF24::available(unsigned char*)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293 multiple definition of `RF24::available()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293 multiple definition of `RF24::read(void*, unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293 multiple definition of `RF24::whatHappened(bool&, bool&, bool&)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293 multiple definition of `RF24::write(void const*, unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

Wireless Remote Using 2.4 Ghz NRF24L01 : Simple Tutorial Using of NRF24L01 & Arduino

by Akshay Jha (/member/Akshay+Jha/)

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::openWritingPipe(unsigned long long)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::openReadingPipe(unsigned char, unsigned long long)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::toggle_features()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::enableDynamicPayloads()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::enableAckPayload()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::writeAckPayload(unsigned char, void const*, unsigned char)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

Wireless Remote Using 2.4 Ghz NRF24L01 : Simple Tutorial Using of NRF24L01 & Arduino

by Akshay Jha (/member/Akshay+Jha/)

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::isAckPayloadAvailable()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::isPVariant()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::setAutoAck(bool)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::setAutoAck(unsigned char, bool)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::testCarrier()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::testRPD()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209: first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293: multiple definition of `RF24::setPALevel(rf24_pa_dbm_e)'

Wireless Remote Using 2.4 Ghz NRF24L01 : Simple Tutorial Using of NRF24L01 & Arduino

by Akshay Jha (/member/Akshay+Jha/)

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293 multiple definition of `RF24::getPALevel()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293 multiple definition of `RF24::setDataRate(rf24_datarate_e)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293 multiple definition of `RF24::getDataRate()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293 multiple definition of `RF24::setCRCLength(rf24_crclength_e)'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293 multiple definition of `RF24::begin()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

libraries\RF24\RF24.cpp.o: In function `SPIClass::setBitOrder(unsigned char)':

C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293 multiple definition of `RF24::getCRCLength()'

sketch\RF24.cpp.o:C:\Program Files (x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209 first defined here

Wireless Remote Using 2.4 Ghz NRF24L01 : Simple Tutorial Using of NRF24L01 & Arduino

by Akshay Jha (/member/Akshay+Jha/)

```
libraries\RF24\RF24.cpp.o: In function
`SPIClass::setBitOrder(unsigned char)':

C:\Program Files
(x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293
multiple definition of `RF24::printDetails()'

sketch\RF24.cpp.o:C:\Program Files
(x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209
first defined here

libraries\RF24\RF24.cpp.o: In function
`SPIClass::setBitOrder(unsigned char)':

C:\Program Files
(x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293
multiple definition of `RF24::disableCRC()'

sketch\RF24.cpp.o:C:\Program Files
(x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209
first defined here

libraries\RF24\RF24.cpp.o: In function
`SPIClass::setBitOrder(unsigned char)':

C:\Program Files
(x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:293
multiple definition of `RF24::setRetries(unsigned char,
unsigned char)'

sketch\RF24.cpp.o:C:\Program Files
(x86)\Arduino\hardware\arduino\avr\libraries\SPI/SPI.h:209
first defined here

collect2.exe: error: ld returned 1 exit status

exit status 1

Error compiling.

 This report would have more information with

 "Show verbose output during compilation"

enabled in File > Preferences.
```

Flag

sarge8306 (/member/sarge8306) 4 months ago Reply

Thank you very much for this tutorial. To assist anyone else who has suffered the same issue I did (due to my lack of experience), the pin assignment does not work with the Arduino mega 2560. The CE connection *can* connect to pin 40 instead of 9; the CSN must connect to 53 rather than 10; MOSI is 51 instead of 11; MISO is 50 instead of 12; and SCK is 52 instead of 13. Of course the power and ground will still go to 3.3v and GND. I apologize if this has already been posted, a lot of responses to pilfer through :). Hope this can help someone.

Flag

sarge8306 (/member/sarge8306) ▸ sarge8306 (/member/sarge8306) Reply

4 months ago

And ensure to change the code for the changes. RF24 radio(xx,xx) it will be 40, 53

AnneSibug10 (/member/AnneSibug10) 4 months ago Reply

Sir can I ask something? Our project uses GUI, and the transmitter side uses Arduino Uno, then on the receiver side we're using Arduino Nano. If we copy your codes, can we have the same results as yours? Thank you sir :)

Flag

Mashtic (/member/Mashtic) 4 months ago Reply

Do this files function in a mac??

Flag

MuhammetK4 (/member/MuhammetK4) 5 months ago Reply

Hi buddy,
Firstly thank you for sharing.
I just want to know meaning of code. For instance, What does "RF24 radio(9, 10);" mean ? I know C programing language but this function is specific for nrf24l01. How can I learn all function how to write?

Flag

Danorexic (/member/Danorexic) ▸ MuhammetK4 (/member/MuhammetK4) 5 months ago Reply

Hey there,
You can check out the library's documentation here:
http://tmrh20.github.io/RF24/classRF24.html#a8cd16...
(http://tmrh20.github.io/RF24/classRF24.html#a8cd165

That line is setting up the radio. RF24 is the constructor from the library. The author named the instance radio. The first argument is the CE Pin and the second is the CS Pin. You're just telling it what pin on the Arduino you have it hooked up to. I don't know all the C vocabulary so sorry if I used the wrong terms above.

RF24 whatever(CE Pin, CS Pin);

Flag

MuhammetK4 (/member/MuhammetK4) ▸ Danorexic (/member/Danorexic) 5 months ago Reply

Thank you very much, I have searched this information for a long time. That is exactly link that I want.

Flag

dj7ua (/member/dj7ua) 5 months ago Reply

Thanks for first aid getting started. Connection worked from first moment on.

Great!

Could receive signal crossing 2 floors.

Flag

Sammbo (/member/Sammbo) 5 months ago Reply

This has made it very easy for me to to get sample communication up and running.

Next I will modify the code to communicate back and forth between the two modules.

I'm building a automatic door opener for my Chicken Shed because we can't be bothered going outside to closing their door each night and if I forget the door open, the foxes will

have a least !.

So I'll have a battery / solar powered Arduino nano in the shed and one in my house.

Ill be able to check the door's status (i.e. closed or open) and then I can issue commands to open or close the door.

i still need to figure out a door closing mechanism that the Arduino can control,

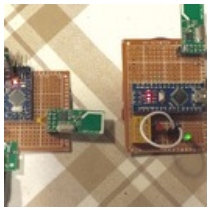
So far I've just got your sample working so I'm just at the start of the journey .

Thanks for your instructable , its set me on my way.

Flag

AlvaroB8 (/member/AlvaroB8) 8 months ago Reply

Worked nice!! added a second led to see if it's receiving data, and some code to send data when not active. Maybe it will consume too much energy.Range is very limited but enough for my purpouse.



(http://cdn.instructables.com/FG3/A19G/IFSJGPEY/FG3A19GIFSJGPEY.LARGE.jpg)

Flag

Akshay Jha (/member/Akshay Jha) (author) ▸ AlvaroB8 (/member/AlvaroB8)

great work don't forget to click on I made it . And sorry for late reply

5 months ago Reply

Flag

zindar (/member/zindar) ▸ AlvaroB8 (/member/AlvaroB8) 5 months ago Reply

Imjust curious why you want to send data when not active. I like the idea of a receive light. Can you share your sketch and connection schematic?

Flag

firashelou (/member/firashelou) 7 months ago Reply

hello,
i do not think this tutorial is helpful, because you did not explain anything and how the code works, i mean no one would come and try this example if they already know how the codes work, because they would have passed the beginner stage, so i hope you could add a part explaining how the code works !

and thanks in advance

Flag

ashkansam (/member/ashkansam) ▸ firashelou (/member/firashelou) Reply

read the commands in library. The comments are pretty explainatory.

6 months ago

Flag

Wireless Remote Using 2.4 Ghz NRF24L01 : Simple Tutorial Using of NRF24L01 & Arduino

by Akshay Jha (/member/Akshay+Jha/)

you mean the documentation of the RF24 library, yes they are somehow helpful

6 months ago Reply

Flag

WarrenM6 (/member/WarrenM6) 7 months ago Reply

Hi, thanks for the sketches. I am new to this and am having an issue when compiling your receiver sketch. I get the error;

Arduino: 1.6.6 (Windows 10), Board: "Arduino/Genuino Uno"

\switch_reciever\switch_reciever.ino: In function 'void loop()':

switch_reciever:20: error: void value not ignored as it ought to be

done = radio.read(msg, 1);

any help would be appreciated. My goal is to control some relays with a push button switch. I'm basically looking to send the "debounce" example in the IDE library. Thanks again for taking the time to share your work

Flag

ashkansam (/member/ashkansam) ▸ WarrenM6 (/member/WarrenM6) Reply

remove the while (!done) and change the next read line to just "radio.read(msg, 1)".

6 months ago

Flag

desidude52 (/member/desidude52) 7 months ago Reply

Is there any way to use the transceiver without Arduino? My goal is to use one as a remote to turn on maybe 20 others that turn on some LED lights located all around in a room. The transciever's are cheap but buying 20 Arduino's gets costly. Anyone have an idea for me? Thanks in advance!

Flag

ashkansam (/member/ashkansam) ▸ desidude52 (/member/desidude52) Reply

Unfortunately it is impossible. Because these transceivers communicate through SPI protocol, but LEDs get very simple commands (just High and Low). So, you need a micro controller as a mean of converter between these to.

6 months ago

Flag

Akshay Jha (/member/Akshay Jha) (author) ▸ desidude52 (/member/desidude52)

Nice idea but I really don't have an idea how to do this. I THINK datasheet may help you or you can watch some youtube videos
for this . And if you get the solution then please share with all of us .

6 months ago Reply

Flag

Abhishek Basu (/member/Abhishek Basu) 6 months ago Reply

Hi Akshay.

This is Abhishek here from Calcutta. Sorry but I cant get this thing running. I am pairing it with Uno and Mega. I get only "No Radio Available". Need ur help.

Nguyễn VănK (/member/Nguyễn VănK) 7 months ago Reply

Connect two arduino using nRF24L01

Flag

Akshay Jha (/member/Akshay Jha) (author) ▸ Nguyễn VănK (/member/Nguyễn VănK) 6 months ago Reply

Nice keep it up

Flag

Nguyễn VănK (/member/Nguyễn VănK) ▸ Akshay Jha (/member/Akshay Jha) 6 months ago Reply

thanks a lot@@

Flag

ThànhN23 (/member/ThànhN23) 7 months ago Reply

Hi . I have something to ask
1> I see if i dont open Monitor Serial , it will not work

2> I want to update automatically without open Monitor Serial , what i must do ?

Tks you so much

Flag

HugoC13 (/member/HugoC13) ▸ ThànhN23 (/member/ThànhN23) Reply

Hi, im having the same issue, have you figured it out how to use it without having the serial monitor open? Thanks 7 months ago

Flag

elektrofuzzi (/member/elektrofuzzi) 7 months ago Reply

Hi

I got an error-message on verifying/compile this scetch:

"In file included from RF24.cpp:11:
/RF24.h:18:25: error: RF24_config.h: No such file or directory"

But I can see the file in same directory. Also built a new subfolder "library files" with the missed file...

On active scetch window I can see the used libs, and RF24_config.h is one of them.

Even at transmitter and receiver.

Using Arduino software 1.0 for a Mini Pro with 328. But Ardu and RF24 are not connectet at yet.

THX Peter

detox888 (/member/detox888) ▸ elektrofuzzi (/member/elektrofuzzi) Reply

7 months ago

by the way you dont actually need the nRF24L01 library for this example just the rf24

Flag

elektrofuzzi (/member/elektrofuzzi) ▸ detox888 (/member/detox888) Reply

7 months ago

Thx to Detox

But now, I'm absolutely confused...

It seems to be work yesterday. Today, with new start of PC, I got a stuff of error messages while compiling. Think, I should set-up the complete Ardu-software with all components.

Flag

More Comments

Wireless Remote Using 2.4 Ghz NRF24L01 : Simple Tutorial Using of NRF24L01 & Arduino

by Akshay Jha (/member/Akshay+Jha/)