


Christmas-tree-automatically-flashing/)

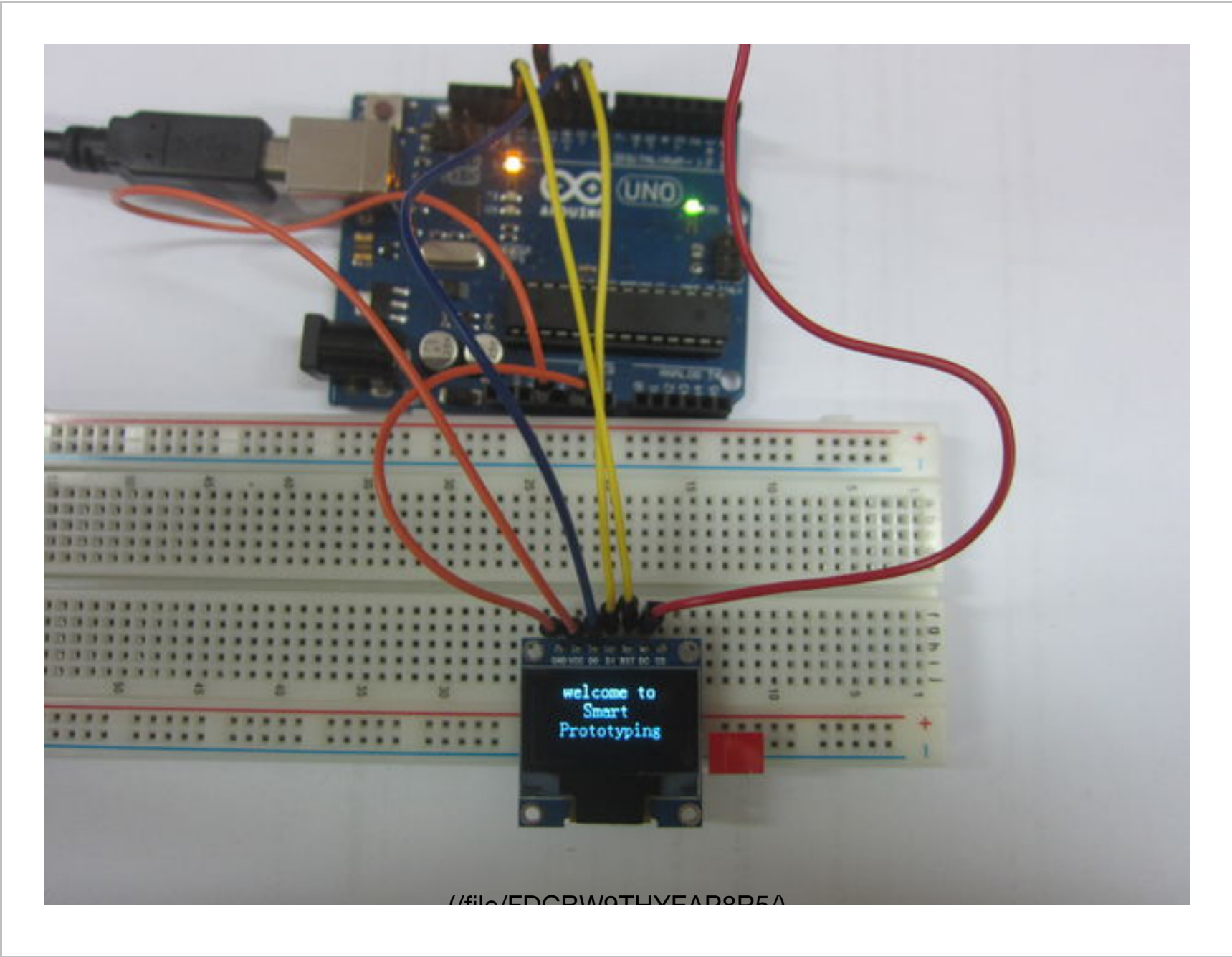




### Start Driving With Uber

Drive With Uber! We Connect Clients & Drivers.  
Open Schedule, No Rent.  
uber.com

Step 1: Connecting the module to Arduino, this OLED module have six pins,



Connecting the module to Arduino, this OLED module have six pins,  
OLED-----Arduino

- D0-----10
- D1-----9
- RST-----13
- DC-----11
- VCC-----5V
- GND-----GND

CONTEST

## Deceptive Desserts

prizes provided by





[VIEW CONTEST ▶](#)

CHALLENGE



## Home Remedies



[CHECK IT OUT ▶](#)

Step 2: Copy the code in Arduino IDE, and change the chars in function "LED\_P8x16Str"


Tags:

0.96inch OLED (/tag/type-id/keyword-0.96inch%20OLED/)


Arduino OLED (/tag/type-id/keyword-Arduino%20OLED/)

Display picture on OLED (/tag/type-id/keyword-Display%20picture%20on%20OLED/)

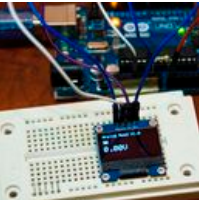
Related



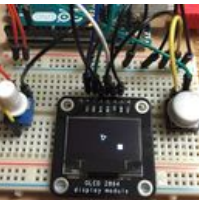
**Arduino OLED Thermometer And Hygrometer With DHT11 For Beginners** (/id/Arduino-OLED-Thermometer-and-  
Hygrometer-With-DHT11-For-Beginners/)by KonstantinDimitrov (/member/KonstantinDimitrov/)




**Intro To OLED** (/id/Intro-To-OLED-Displays/)by KonstantinDimitrov (/member/KonstantinDimitrov/)



**Arduino OLED Voltage Meter** (/id/Arduino-OLED-Voltage-Meter/)by neranjan.ghost



**Asteroids Con OLED Y Arduino** (/id/Asteroids-Con-OLED-Y-Arduino/)by tomasdecamino



**Linker OLED For pcDuino** (/id/Linker-OLED-For-pcDuino/)by YannyGuoYunyan



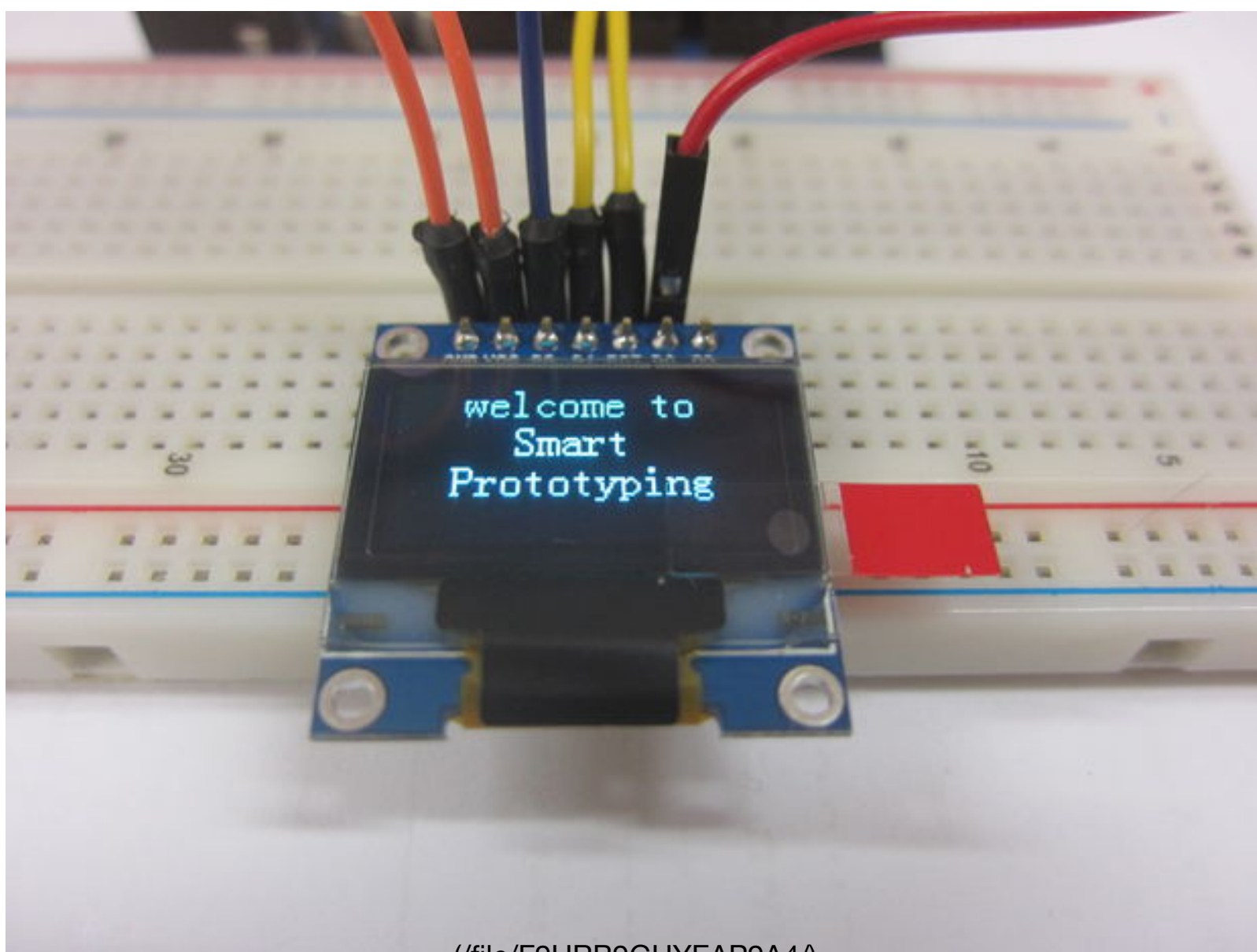
download this Arduino code ([http://smart-prototyping.com/image/data/2\\_components/Arduino/100952%20OLED%200.96inch%2012864%20display%20module%20blue/OELD.txt](http://smart-prototyping.com/image/data/2_components/Arduino/100952%20OLED%200.96inch%2012864%20display%20module%20blue/OELD.txt)), and copy it to Arduino IDE.

Find below code in the bottom,

```
void loop()
{
  LED_P8x16Str(23,0,"welcome to");
  LED_P8x16Str(40,2,"Smart");
  LED_P8x16Str(20,4,"Prototyping");
}
```

Here you can change the comment that you want to display in line 1, line two, line three. The first and second parameter is the starting x,y coordinate.

### Step 3: Upload the code



Upload the code, then you will see the text showing on display now!

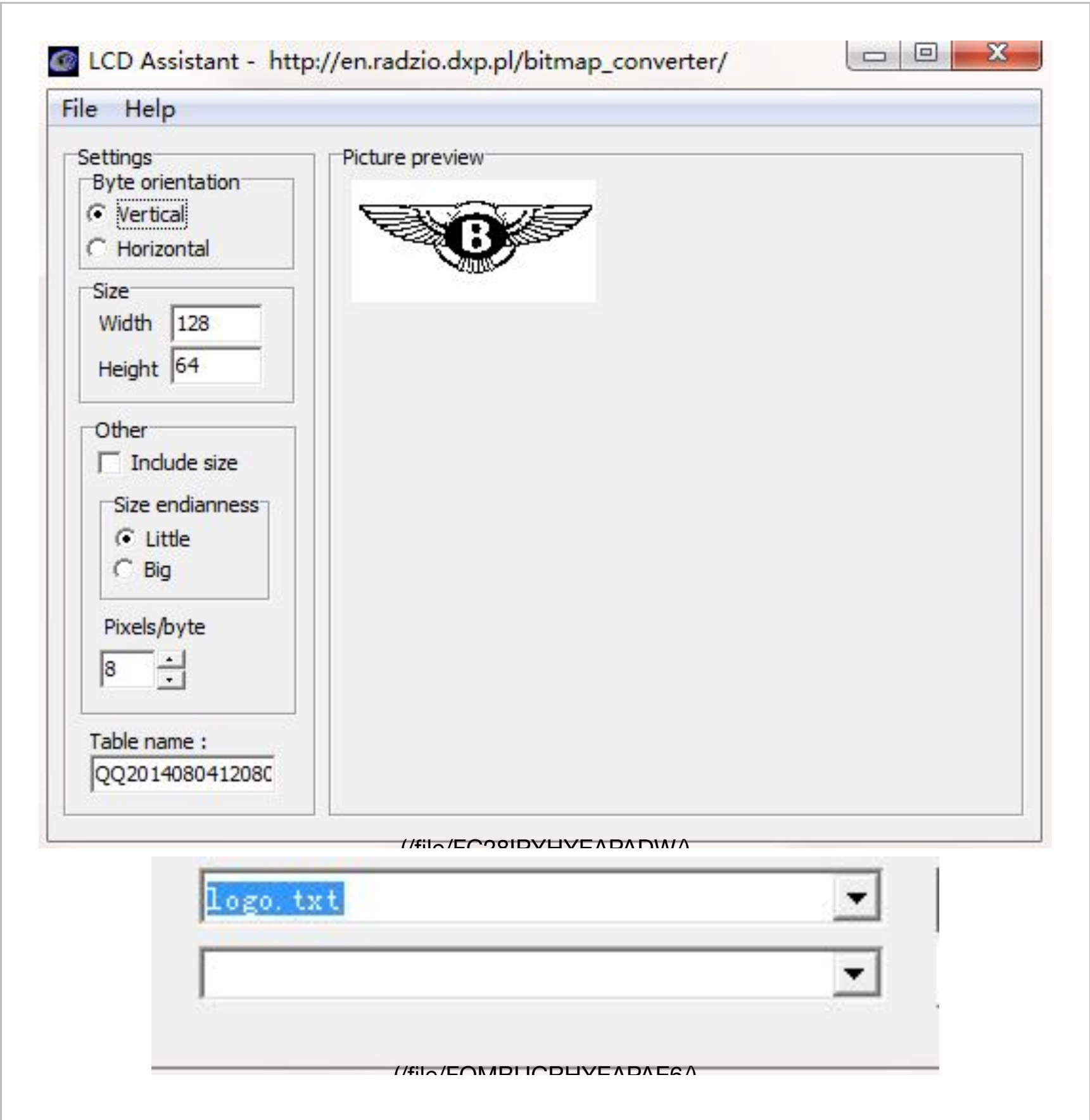
### Step 4: Now start to display a bentley logo



Here is the bentley logo picture here, transfer the picture to 128x64 pixel, save the picture.

if you don't know how to transfer the picture pixel, please download the 128x64 bmp here ([http://smart-prototyping.com/image/data/2\\_components/Arduino/100952%20OLED%200.96inch%2012864%20display%20module%20blue/binery%20logo%20128x64.bmp](http://smart-prototyping.com/image/data/2_components/Arduino/100952%20OLED%200.96inch%2012864%20display%20module%20blue/binery%20logo%20128x64.bmp))

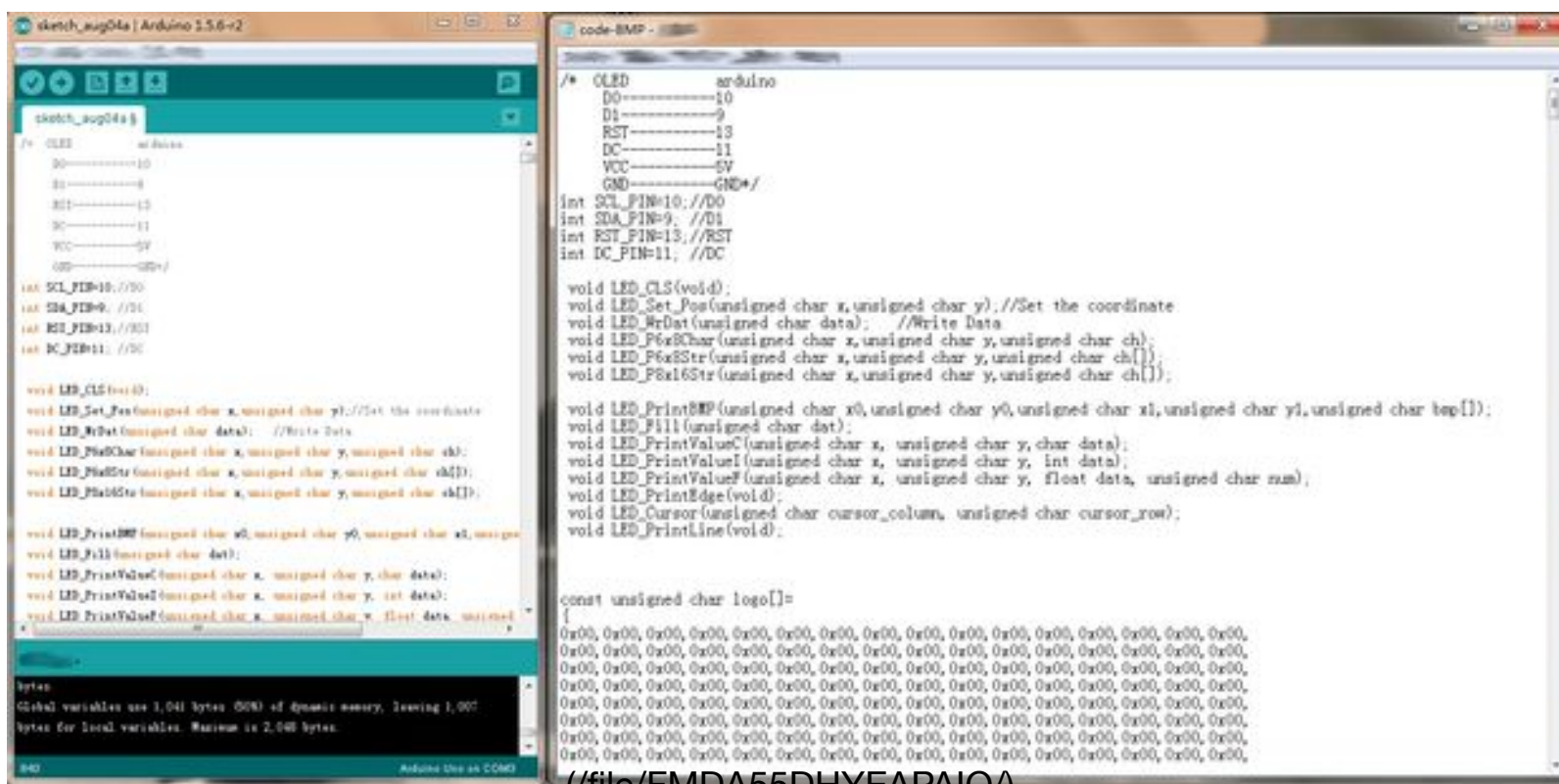
**Step 5: Transfer the pic to binary code**



Use the following soft transfer the BMP code to binary code,  
Download bitmap\_converter ([http://en.radzio.dxp.pl/bitmap\\_converter/](http://en.radzio.dxp.pl/bitmap_converter/))  
save output to "logo.txt", open the logo.txt you will see the picture's binery code in  
const unsigned char logo [] = {  
  
...  
};

**Step 6: Copy the binary code in to Arduino IDE**





Copy this example code(code-bmp.txt) to Arduino IDE

Instead the picture binary code in example code.

find the "

```
const unsigned char logo[]
```

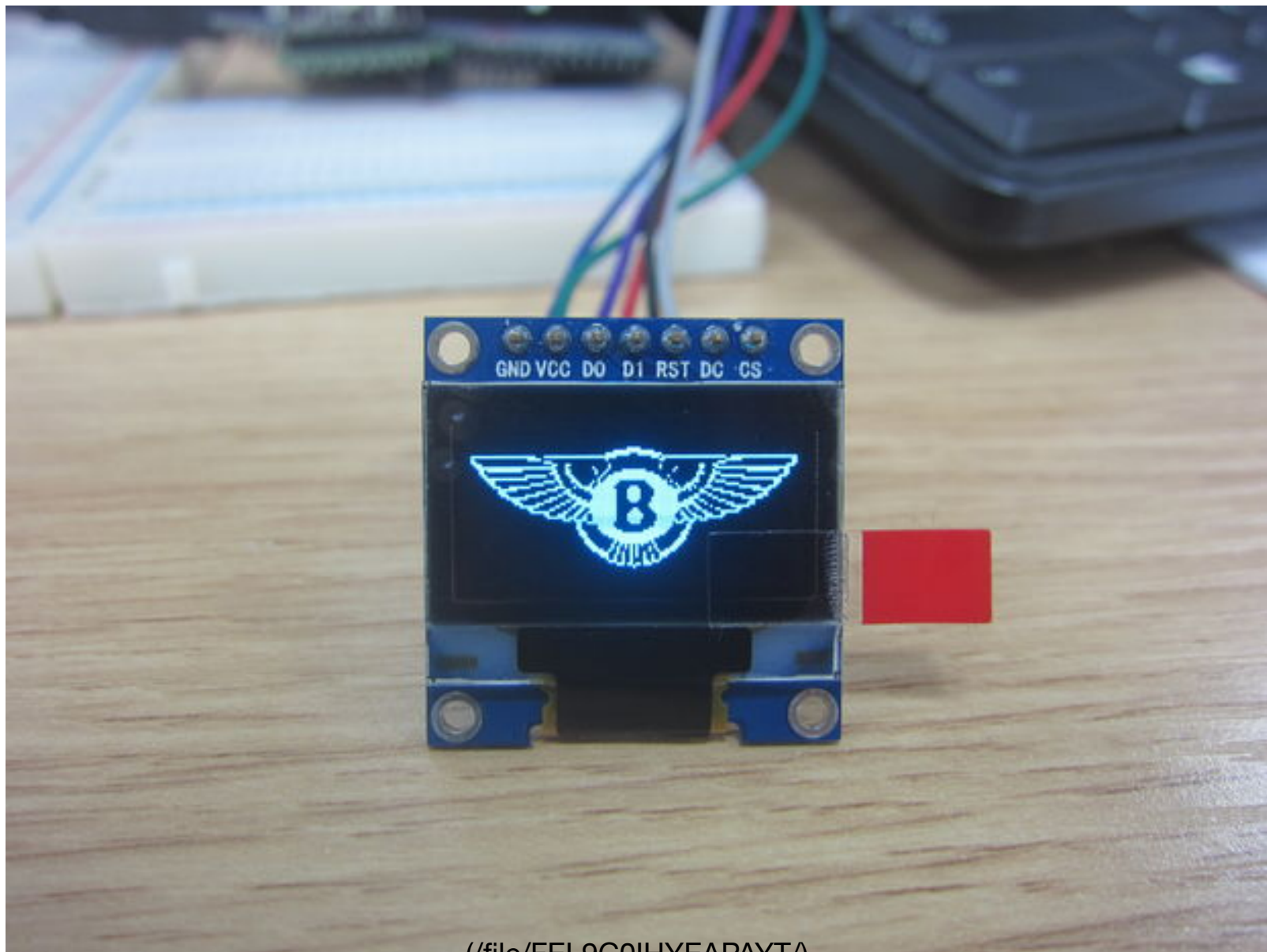
11

and copy the code to this function. if you don't understand this step, you can just run the example code...



code-BMP.txt (/files/orig/FRP/34LS/HYEAPAU/FRP34LSHYEAPAU.txt)

## Step 7: Upload code done!



Now you can see it display on the OLED!



**R&S® Spectrum Analyzer**  
Spectrum Rider FPH: Modern & rugged portable design. More details here!  
[value.rohde-schwarz.com/Spectrum](http://value.rohde-schwarz.com/Spectrum)



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

I Made it!

Add Images

Post Comment



**Trevor0812 (/member/Trevor0812)** made it!



a month ago

Reply

Hi,

My OLED has 16 pins as it is able to use different modes. What pins would I use?



(<http://cdn.instructables.com/FSS/J0A2/IKSN4O20/FSSJ0A2IKSN4O20.LARGE.jpg>)



**drchance (/member/drchance)**

a month ago

Reply

hmmm ... great code ... it seemed to verify/compile without warnings or errors. However ... on my display, which looks identical to the one in your images, the bitmap image looks like it has some "moving artifacts" ... it's probably better explained with a video (below). The text just says "TEST" bit it looks like it's trying to scroll or something. I've reduced the bitmap to a single letter and it still has that movement in the bitmap image ... weird ... I'll continue to test but I was hoping someone else may have some idea as to what is happening here. Thanks for any input.

<http://www.screencast.com/t/PJUWSvSfQ>



**Taufikt (/member/Taufikt)**

a month ago

Reply

nice.....



**Taufikt (/member/Taufikt)**

a month ago

Reply

nice.....



**MothyaM (/member/MothyaM)**

a month ago

Reply

hi to all,

i am mothiram, using NHD-2.7-128X64UCY3 OLED Display with SPI interface.

here am facing one problem while writing byte data to



display through write\_data, can any one help me out with related example.

thanks.



**Jim Flower (/member/Jim Flower)**

a month ago

Reply

Hi Alex I have just received my very first Arduino Duo together with this very display. I'm new to Arduino's and am trying to learn the programming. I have experimented with Blink and using a potentiometer to read values serially all worked great.

This is going to be a total newbie question but I just down loaded the code and tried to make a new sketch then verify it but is keeps coming back with so many errors I'm not sure I'm doing it correctly. Can you please walk a total newbie through the sequence correctly?



**ibenkos (/member/ibenkos)**

a year ago

Reply

Very smart idea! Good jub :)



**Alex\_chu (/member/Alex\_chu)** (author) ▶ **ibenkos (/member/ibenkos)**

Reply

a year ago

yeah,Thanks,you can find more useful moudle in Smart-prototyping.



**Aimeiz (/member/Aimeiz)** made it! ▶ **Alex\_chu (/member/Alex\_chu)**

Reply

2 months ago

Hello.

I have "universal" module which could be used as 4SPI (ssems to be set to this mode), 3SPI and I2C. (See images).

On back side of the module is written which resistor should be solderd for each mode. Now I see R3 and R4 but not R2 and R8 - seems 4SPI

R2 R3 means 3SPI

R1, R4, R6, R7, R8 is marked as IIC.

I would like to chngne it to IIC,

So i think that I have to unsolder R3 and R5 and solder them to R1 and R8 respectively \Am I right?

Then I will have problem with signal identification.

Module has 7 pins:

GND, VCC - which is clear

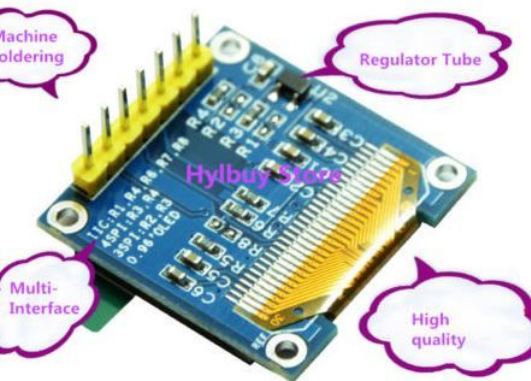
D0, D1, RES, DC, CS.

I2C modules have only 4 pins VCC, GND, SCL, SDA

So which pins from my display after modification will be SCL and which SDA?

This module is quite popular so i belive that somebody played with this modification.

Please advice.



(<http://cdn.instructables.com/F4F/4TOI/IK2X4W9O/F4F4TOIIK2X4W9O.LARGE.jpg>)



(<http://cdn.instructables.com/FSS/CW5T/IK2X4WA9/FSSCW5TIK2X4WA9.LARGE.jpg>)



**MarkyD2 (/member/MarkyD2)**

4 months ago

[Reply](#)

Hi I got it working and removed the line  
can you tell me how to set a delay and then print  
something else like a valeu from a sensor?



**Arduino Tech (/member/Arduino Tech)**

a year ago

[Reply](#)

Mine has 8 pins :  
Vcc  
Gnd  
NC  
Din  
CLK  
CS  
D/C  
RES

What should I do ??



**Alex\_chu (/member/Alex\_chu)** (author) ▶ [Arduino Tech \(/member/Arduino Tech\)](#)

11 months ago

[Reply](#)

CLK is our D0 port,  
Din is our D1 port,  
ignore your NC and CS port, try it again, if not  
worked you can try to plug CS to GND or VCC,  
good luck!



**SrabonH1 (/member/SrabonH1)** ▶ [Alex\\_chu \(/member/Alex\\_chu\)](#)

[Reply](#)

4 months ago

For 8 pins. It worked Perfectly. Connect CS to GND.



**printrbot932 (/member/printrbot932)**

11 months ago

[Reply](#)

I changed mine to hello world but it still has a line on one  
side ? Help please



(<http://cdn.instructables.com/FL1/ENSZ/I9FGR2SH/FL1ENSZI9FGR2SH.LARGE.jpg>)



**JDGE (/member/JDGE)** ▶ [printrbot932 \(/member/printrbot932\)](#)

[Reply](#)

5 months ago

I know this is old but I had the same problem with my  
display.Try changing the bold numbers below from 128 to  
130. This fixed my problem.

```
void LED_Fill(unsigned char bmp_data)
{
  unsigned char y,x;

  for(y=0;y<8;y++)
  {
```



```
LED_WrCmd(0xb0+y);
LED_WrCmd(0x00);
LED_WrCmd(0x10);
for(x=0;x<128;x++)
LED_WrDat(bmp_data);
}
}
```

```
void LED_CLS(void)
{
unsigned char y,x;
for(y=0;y<8;y++)
{
LED_WrCmd(0xb0+y);
LED_WrCmd(0x00);
LED_WrCmd(0x10);
for(x=0;x<128;x++)
LED_WrDat(0);
}
}
```



**Dushan PasinduT (/member/Dushan PasinduT)**5 months agoReply

my display has only 4 pins

VCC

GND

SCL

SDA



**wanikmal (/member/wanikmal)**5 months agoReply

Hello Alex, firstly i would like to thank you for all the informations and steps provided and really appreciated it. I would like to used the OLED display vertically and could you give me sample of coding to display vertically.



**rammrg (/member/rammrg)**6 months agoReply

Dear frinds i want to programming of rtc interfacing with 8051 my mail id is rammrg007@gmail.com mobile no. 9042816495



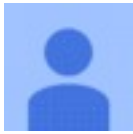
**rammrg (/member/rammrg)**6 months agoReply

Dear frinds i want to programming of rtc interfacing with 8051 my mail id is rammrg007@gmail.com mobile no. 9042816495



**rammrg (/member/rammrg)**6 months agoReply

Dear frinds i want to progarmming of oled interface with arduino



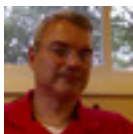
**GiorgioF1 (/member/GiorgioF1)**6 months agoReply

Hello Dear, it is possible write The text by 90 degree rotated? I Just want to use The lcd in vertical position...



**rammrg (/member/rammrg)** ▶ GiorgioF1 (/member/GiorgioF1)6 months agoReply

Hollw sir i want programme for interface oled with arduino my mail id is rammrg007@gmail.com



TheodoreF1 (/member/TheodoreF1)6 months agoReply

Beware of OLED burn in. If you leave a bitmapped image on for several hours, the phosphors will leave a ghost image. I now get to see Mr. Bentley 24-7. hehe

<http://www.instructables.com/id/Temp-Humid-and-Tim...>  
(<http://www.instructables.com/id/Temp-Humid-and-Time-Date-on-OLED-Display/step6/Beware-of-Burn-in-on-the-OLED/>)



PhamA1 (/member/PhamA1)8 months agoReply

hello :) thanks for your AWESOME instructable but can you help me with this one ? i have 1 oled display but i have no idea how to connect it to my adruino nano here are the pins on my dispay

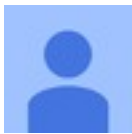
vcc  
gnd  
clk  
mosi  
cs  
d/c



Alex\_chu (/member/Alex\_chu) (author) ▶ PhamA1 (/member/PhamA1)8 months agoReply

CLK-----D10  
MOSI-----D9  
D/C-----D11  
VCC-----3.3v  
GND-----GND

Ignore CS first, If not work,try to connect CS to GND or 3.3V



DolboD (/member/DolboD) ▶ Alex\_chu (/member/Alex\_chu) 7 months agoReply

Hmm, are you describing the SPI mode? But the code in you link seems to use I2C?

Here:

```
int SCL_PIN=10;//D0
int SDA_PIN=9; //D1
```

Plus, I am confused since according to the SSD1306 spec, they use some weird wiring for the I2C mode, two SDA?! This is really confusing.

Also, the code you attached doesn't seem to be using either hardware SPI or hardware I2C. Some sort of bitbanging? So which is it? SPI or I2C or really neither?



bass\_head (/member/bass\_head) ▶ DolboD (/member/DolboD)7 months agoReply

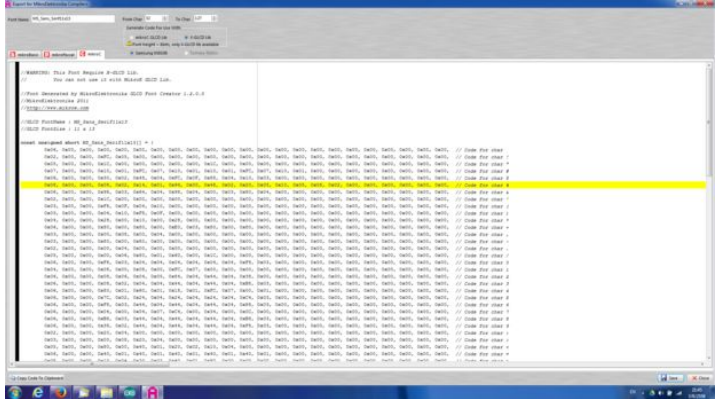
You can also use the Adafruit\_SSD1306 library with spi in either hardware or software mode. The i2c mode won't work as far as I can tell. The best performance will be with the hardware spi. I spent a day figuring this out for the teensy 3.1, hope it helps.




ChatchaiS1 (/member/ChatchaiS1)8 months agoReply

Hello Alex. thank you for your code. I need to change font size and I use MikroElektronika.and I don't have idea to change in "void LED\_P8x16Str(unsigned char x,unsigned char y,char ch[])". Can you advice me.





(<http://cdn.instructables.com/FVI/4THH/ICRXPZKQ/FVI4THHICRXPZKQ.LARGE.jpg>)

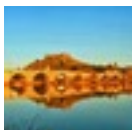


Alex\_chu (/member/Alex\_chu) (author) ▶ ChatchaiS1 (/member/ChatchaiS1)

8 months ago

Reply

We have two fonts in code,you just need to use  
LED\_P6x8Str(unsigned char x,unsigned char y,char  
ch[]) to display.




SerónE (/member/SerónE)

9 months ago

Reply

Great instructable, Thanks!  
Would it be possible to show two 64x64 bitmaps side by  
side on the screen?  
In LED\_PrintBMP(0,0,128,7,(unsigned char \*)logo);  
I guess that 0,0 is the initial coord, 128 the width and 7... ;)




Alex\_chu (/member/Alex\_chu) (author) ▶ SerónE (/member/SerónE)

9 months ago

Reply

LED\_PrintBMP is OK, you can try the initial coord. Or you can  
use photoshop make the two pictures into one big 128x64  
picture. LOL




SerónE (/member/SerónE) ▶ Alex\_chu (/member/Alex\_chu)

9 months ago

Reply

Thanks for your answer but I'm afraid that using one big image is not a  
good idea for my little project.  
  
Counting from 00 to 99 would need a hundred 128x64 pictures :(




Grandwhazoo (/member/Grandwhazoo)

9 months ago

Reply

Has any had trouble building this project with an arduino  
nano? The code does not appear to execute. It compiles  
and uploads without error but neither the void setup() nor  
the void loop() code ever runs. (tried putting an led blink  
statement in both places). My hardware works with many  
other programs. Any thoughts? I like the way you have  
written this vs the adafruit method where they have  
abstracted to several layers of .h files, I cannot seem to  
get their stuff to compile.



Alex\_chu (/member/Alex\_chu) (author) ▶ Grandwhazoo (/member/Grandwhazoo)

9 months ago

Reply

Please check your hardware and the connections,  
run our bentley logo directly, if not work, maybe the  
OLED display you used is not like us.



ShauryaS3 (/member/ShauryaS3)

9 months ago

Reply

d



ShauryaS3 (/member/ShauryaS3)

9 months ago

Reply



**zane.simon (/member/zane.simon)**

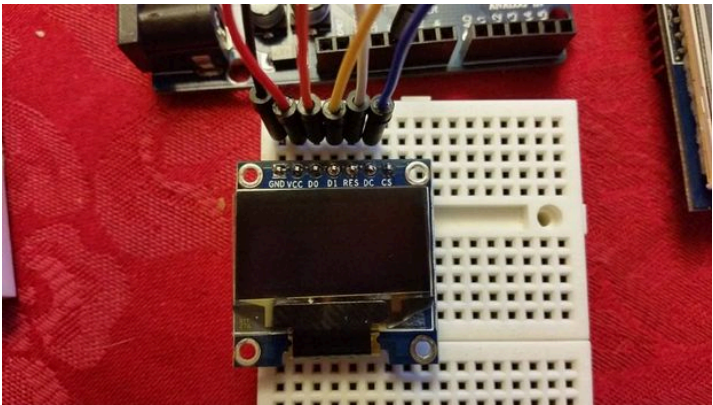
a year ago

Reply

Hello Alex\_chu, I purchased a similar display from Ebay and wired it exactly as your tutorial has shown but nothing is coming up on the display. If the power is connected properly should it light up at all? It has very similar connections to the one in your tutorial but I cannot seem to figure out why it won't work!

Thanks!

- Zane



(<http://cdn.instructables.com/F5M/AOL5/I5A8WVH5/F5MAOL5I5A8WVH5.LARGE.jpg>)



**bevald (/member/bevald)** ▶ zane.simon (/member/zane.simon)

Reply

10 months ago

Have you tried connecting CS to GND?



**Alex\_chu (/member/Alex\_chu)** (author) ▶ zane.simon (/member/zane.simon)

11 months ago

Reply

Your'd better buy it from us! :)

I can not see your display's back side, if you can send some pictures of your display, maybe we can give you some suggestion. Thanks.



**Da IllumiN (/member/Da IllumiN)** ▶ zane.simon (/member/zane.simon)

Reply

a year ago

The GND and VCC need to be connected to the 5V and GND on the Arduino.

On your image these are located on the bottom left of the Arduino.



**cryptic45 (/member/cryptic45)**

a year ago

Reply

I have this same module, however the oled's pixels are scrambled (sometimes somewhat readable, but mostly chopped up). Any ideas what may cause this? I am guessing something is wrong with the display, but I guess it could be a code issue. I used the same example code you posted though.



**bevald (/member/bevald)** ▶ cryptic45 (/member/cryptic45)

10 months ago

Reply

Connect CS to GND, and that's it! :)



**Alex\_chu (/member/Alex\_chu)** (author) ▶ cryptic45 (/member/cryptic45)

Reply

a year ago

I guess the module you used is not the same as ours. you can send a module picture to my email, [info\(at\)smart-prototyping.com](mailto:info@smart-prototyping.com)



**Alex\_chu (/member/Alex\_chu)** (author) ▶ cryptic45 (/member/cryptic45)

Reply

a year ago

I guess the module you used is not the same as ours. you can send a module picture to my email, [info\(at\)smart-prototyping.com](mailto:info@smart-prototyping.com)



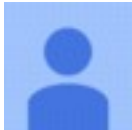


bevald (/member/bevald)

10 months ago

Reply

Hi, I want to display my own picture on the oled, but how do I "transfer" it to 128x64 pixels? Thanks,  
Ben (:



JohnnyC5 (/member/JohnnyC5) ▶ bevald (/member/bevald)

Reply

10 months ago

Use any graphics editor which has a function of proportional image resizing (e.g. Photoshop)

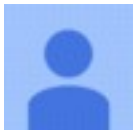


bevald (/member/bevald) ▶ JohnnyC5 (/member/JohnnyC5)

Reply

10 months ago

Awesome, I'll try that out. Thank you!



JohnnyC5 (/member/JohnnyC5)

11 months ago

Reply

Answering to the question about scrambled pixels that may happen sometimes. Just connect the CS pin to GND and be happy :)

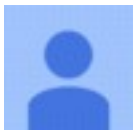


bevald (/member/bevald) ▶ JohnnyC5 (/member/JohnnyC5)

Reply

10 months ago

Wow, thank you SO MUCH!!!



tant2 (/member/tant2)

10 months ago

Reply

I'm having problem when try to pass in parameter.

String myChar;

in void setup:

myChar='Hello World';

in void loop:

OLED.LED\_P6x8Str(1,4,myChar);

error message:

display.ino: In function 'void loop()':

display.ino:31:32: error: no matching function for call to 'OLED::LED\_P6x8Str(int, int, String&)'



Trevor0812 (/member/Trevor0812) made it!



a month ago

Reply

Hi,

My OLED has 16 pins as it is able to use different modes. What pins would I use?



(<http://cdn.instructables.com/FSS/J0A2/IKSN4O20/FSSJ0A2IKSN4O20.LARGE.jpg>)



drchance (/member/drchance)

a month ago

Reply

hmmm ... great code ... it seemed to verify/compile without warnings or errors. However ... on my display, which looks identical to the one in your images, the bitmap image looks like it has some "moving artifacts" ... it's probably better explained with a video (below). The text just says "TEST"

bit it looks like it's trying to scroll or something. I've reduced the bitmap to a single letter and it still has that movement in the bitmap image ... weird ... I'll continue to test but I was hoping someone else may have some idea as to what is happening here. Thanks for any input.

<http://www.screencast.com/t/PJUWSvSfQ>



**Taufikt (/member/Taufikt)**

a month ago

Reply

nice.....



**Taufikt (/member/Taufikt)**

a month ago

Reply

nice.....



**MothyaM (/member/MothyaM)**

a month ago

Reply

hi to all,

i am mothiram, using NHD-2.7-128X64UCY3 OLED Display with SPI interface.

here am facing one problem while writing byte data to display through write\_data, can any one help me out with related example.

thanks.



**Jim Flower (/member/Jim Flower)**

a month ago

Reply

Hi Alex I have just received my very first Arduino Duo together with this very display. I'm new to Arduino's and am trying to learn the programming. I have experimented with Blink and using a potentiometer to read values serially all worked great.

This is going to be a total newbie question but I just down loaded the code and tried to make a new sketch then verify it but is keeps coming back with so many errors I'm not sure I'm doing it correctly. Can you you please walk a total newbie through the sequence correctly?



**ibenkos (/member/ibenkos)**

a year ago

Reply

Very smart idea! Good jub :)



**Alex\_chu (/member/Alex\_chu)** (author) ▶ **ibenkos (/member/ibenkos)**

Reply

yeah,Thanks,you can find more useful moudle in Smart-prototyping.

a year ago



**Aimeiz (/member/Aimeiz)** made it! ▶ **Alex\_chu (/member/Alex\_chu)**

Reply

Hello.

2 months ago

I have "universal" module which could be used as 4SPI (ssems to be set to this mode), 3SPI and I2C. (See images).

On back side of the module is written which resistor should be solderd for each mode. Now I see R3 and R4 but not R2 and R8 - seems 4SPI

R2 R3 means 3SPI

R1, R4, R6, R7, R8 is marked as IIC.

I would like to chngne it to IIC,



So i think that I have to unsolder R3 and R5 and solder them to R1 and R8 respectively \Am I right?

Then I will have problem with signal identification.

Module has 7 pins:

GND, VCC - which is clear

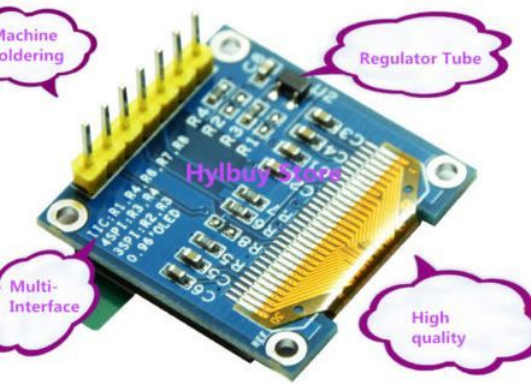
D0, D1, RES, DC, CS.

I2C modules have only 4 pins VCC, GND, SCL, SDA

So which pins from my display after modification will be SCL and which SDA?

This module is quite popular so i belive that somebody played with this modification.

Please advice.



(<http://cdn.instructables.com/F4F/4TOI/IK2X4W9O/F4F4TOIIK2X4W9O.LARGE.jpg>)



(<http://cdn.instructables.com/FSS/CW5T/IK2X4WA9/FSSCW5TIK2X4WA9.LARGE.jpg>)



**MarkyD2 (/member/MarkyD2)**

4 months ago

Reply

Hi I got it working and removed the line  
can you tell me how to set a delay and then print  
something else like a valeu from a sensor?



**Arduino Tech (/member/Arduino Tech)**

a year ago

Reply

Mine has 8 pins :  
Vcc  
Gnd  
NC  
Din  
CLK  
CS  
D/C  
RES

What should I do ??



**Alex\_chu (/member/Alex\_chu)** (author) ▶ Arduino Tech (/member/Arduino Tech)

11 months ago

Reply

CLK is our D0 port,  
Din is our D1 port,  
ignore your NC and CS port, try it again, if not  
worked you can try to plug CS to GND or VCC,  
good luck!



**SrabonH1 (/member/SrabonH1)** ▶ Alex\_chu (/member/Alex\_chu)

Reply

For 8 pins. It worked Perfectly. Connect CS to GND.

4 months ago



**printrbot932 (/member/printrbot932)**

11 months ago

Reply

I changed mine to hello world but it still has a line on one side ? Help please



(<http://cdn.instructables.com/FL1/ENSZ/I9FGR2SH/FL1ENSZ/I9FGR2SH.LARGE.jpg>)



**JDGE (/member/JDGE)** ▶ printrbot932 (/member/printrbot932)

Reply

5 months ago

I know this is old but I had the same problem with my display. Try changing the bold numbers below from 128 to 130. This fixed my problem.

```
void LED_Fill(unsigned char bmp_data)
{
    unsigned char y,x;

    for(y=0;y<8;y++)
    {
        LED_WrCmd(0xb0+y);
        LED_WrCmd(0x00);
        LED_WrCmd(0x10);
        for(x=0;x<128;x++)
            LED_WrDat(bmp_data);
    }
}
```

```
void LED_CLS(void)
{
    unsigned char y,x;
    for(y=0;y<8;y++)
    {
        LED_WrCmd(0xb0+y);
        LED_WrCmd(0x00);
        LED_WrCmd(0x10);
        for(x=0;x<128;x++)
            LED_WrDat(0);
    }
}
```



**Dushan PasinduT (/member/Dushan PasinduT)**

5 months ago

Reply

my display has only 4 pins

VCC

GND

SCL

SDA



**wanikmal (/member/wanikmal)**

5 months ago

Reply

Hello Alex, firstly i would like to thank you for all the informations and steps provided and really appreciated it. I would like to used the OLED display vertically and could you give me sample of coding to display vertically.



**rammrg (/member/rammrg)**

6 months ago

Reply

Dear frinds i want to programming of rtc interfacing with 8051 my mail id is rammrg007@gmail.com mobile no. 9042816495





**rammrg (/member/rammrg)**

6 months ago

Reply

Dear frinds i want to programming of rtc interfacing with 8051 my mail id is rammrg007@gmail.com mobile no. 9042816495

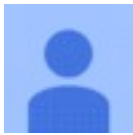


**rammrg (/member/rammrg)**

6 months ago

Reply

Dear frinds i want to progarmming of oled interface with arduino



**GiorgioF1 (/member/GiorgioF1)**

6 months ago

Reply

Hello Dear, it is possible write The text by 90 degree rotated? I Just want to use The lcd in vertical position...



**rammrg (/member/rammrg)** ▶ GiorgioF1 (/member/GiorgioF1)

Reply

Hollw sir i want programme for interface oled with arduino my<sup>6 months ago</sup> mail id is rammrg007@gmail.com



**TheodoreF1 (/member/TheodoreF1)**

6 months ago

Reply

Beware of OLED burn in. If you leave a bitmapped image on for several hours, the phosphors will leave a ghost image. I now get to see Mr. Bentley 24-7. hehe

<http://www.instructables.com/id/Temp-Humid-and-Tim...>  
(<http://www.instructables.com/id/Temp-Humid-and-Time-Date-on-OLED-Display/step6/Beware-of-Burn-in-on-the-OLED/>)



**PhamA1 (/member/PhamA1)**

8 months ago

Reply

hello :) thanks for your AWESOME instructable but can you help me with this one ? i have 1 oled display but i have no idea how to connect it to my adruino nano here are the pins on my dispay

vcc  
gnd  
clk  
mosi  
cs  
d/c



**Alex\_chu (/member/Alex\_chu)** (author) ▶ PhamA1 (/member/PhamA1)

Reply

8 months ago

CLK-----D10

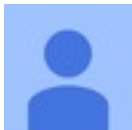
MOSI-----D9

D/C-----D11

VCC-----3.3v

GND-----GND

Ignore CS first, If not work,try to connect CS to GND or 3.3V



**DolboD (/member/DolboD)** ▶ Alex\_chu (/member/Alex\_chu) 7 months ago

Reply

Hmm, are you describing the SPI mode? But the code in you link seems to use I2C?

Here:

```
int SCL_PIN=10;//D0
int SDA_PIN=9; //D1
```

Plus, I am confused since according to the SSD1306 spec, they use some weird wiring for the I2C mode, two SDA?! This is really confusing.

Also, the code you attached doesn't seem to be using either hardware SPI or hardware I2C. Some sort of bitbanging? So which is it? SPI or I2C or really neither?



**bass\_head (/member/bass\_head)** ▶ DolboD (/member/DolboD)

Reply

7 months ago

You can also use the Adafruit\_SSD1306 library with spi in either hardware or software mode. The i2c mode won't work as far as I can tell. The best performance will be with the hardware spi. I spent a day figuring this out for the teensy 3.1, hope it helps.

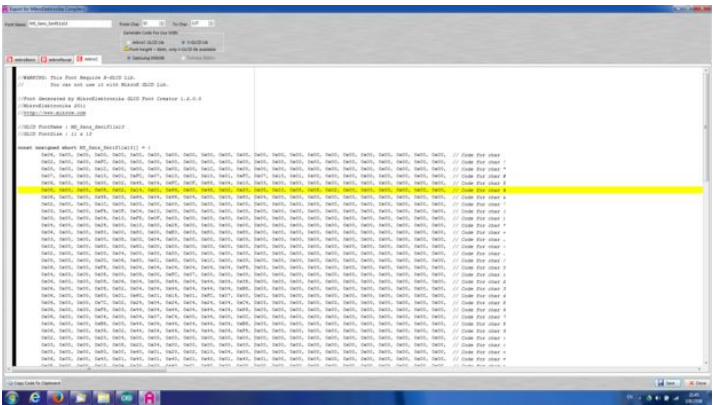


**ChatchaiS1 (/member/ChatchaiS1)**

8 months ago

Reply

Hello Alex. thank you for your code. I need to change font size and I use MikroElektronika.and I don't have idea to change in "void LED\_P8x16Str(unsigned char x,unsigned char y,char ch[])". Can you advice me.



(<http://cdn.instructables.com/FVI/4THH/ICRXPZKQ/FVI4THHICRXPZKQ.LARGE.jpg>)



**Alex\_chu (/member/Alex\_chu)** (author) ▶ ChatchaiS1 (/member/ChatchaiS1)

8 months ago

Reply

We have two fonts in code,you just need to use LED\_P6x8Str(unsigned char x,unsigned char y,char ch[]) to display.



**SerónE (/member/SerónE)**

9 months ago

Reply

Great instructable, Thanks!  
Would it be possible to show two 64x64 bitmaps side by side on the screen?  
In LED\_PrintBMP(0,0,128,7,(unsigned char \*)logo);  
I guess that 0,0 is the initial coord, 128 the width and 7... ;)



**Alex\_chu (/member/Alex\_chu)** (author) ▶ SerónE (/member/SerónE)

Reply

9 months ago

LED\_PrintBMP is OK, you can try the initial coord. Or you can use photoshop make the two pictures into one big 128x64 picture. LOL



**SerónE (/member/SerónE)** ▶ Alex\_chu (/member/Alex\_chu)

9 months ago

Reply

Thanks for your answer but I'm afraid that using one big image is not a good idea for my little project.

Counting from 00 to 99 would need a hundred 128x64 pictures :(



**Grandwhazoo (/member/Grandwhazoo)**

9 months ago

Reply

Has any had trouble building this project with an arduino nano? The code does not appear to execute. It compiles and uploads without error but neither the void setup() nor the void loop() code ever runs. (tried putting an led blink statement in both places). My hardware works with many other programs. Any thoughts? I like the way you have



written this vs the adafruit method where they have abstracted to several layers of .h files, I cannot seem to get their stuff to compile.



**Alex\_chu (/member/Alex\_chu)** (author) ▶ Grandwhazoo (/member/Grandwhazoo)

9 months ago

Reply

Please check your hardware and the connections, run our bentley logo directly, if not work, maybe the OLED display you used is not like us.



**ShauryaS3 (/member/ShauryaS3)**

9 months ago

Reply

d



**ShauryaS3 (/member/ShauryaS3)**

9 months ago

Reply



**zane.simon (/member/zane.simon)**

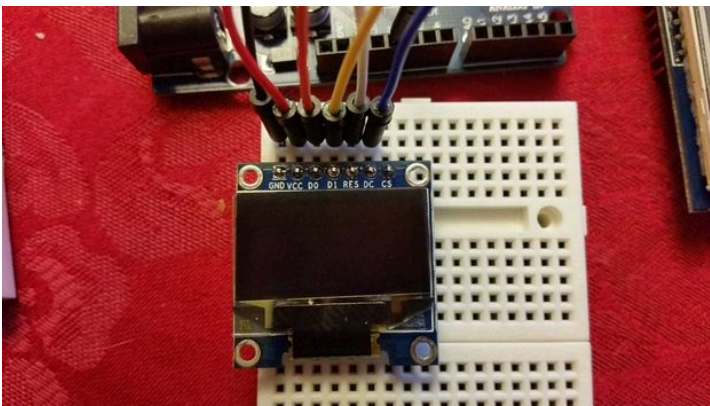
a year ago

Reply

Hello Alex\_chu, I purchased a similar display from Ebay and wired it exactly as your tutorial has shown but nothing is coming up on the display. If the power is connected properly should it light up at all? It has very similar connections to the one in your tutorial but I cannot seem to figure out why it won't work!

Thanks!

- Zane



(<http://cdn.instructables.com/F5M/AOL5/I5A8WVH5/F5MAOL5I5A8WVH5.LARGE.jpg>)



**bevald (/member/bevald)** ▶ zane.simon (/member/zane.simon)

Reply

10 months ago

Have you tried connecting CS to GND?



**Alex\_chu (/member/Alex\_chu)** (author) ▶ zane.simon (/member/zane.simon)

11 months ago

Reply

Your'd better buy it from us! :)

I can not see your display's back side, if you can send some pictures of your display, maybe we can give you some suggestion. Thanks.



**Da IllumiN (/member/Da IllumiN)** ▶ zane.simon (/member/zane.simon)

Reply

a year ago

The GND and VCC need to be connected to the 5V and GND on the Arduino.

On your image these are located on the bottom left of the Arduino.



**cryptic45 (/member/cryptic45)**

a year ago

Reply

I have this same module, however the oled's pixels are scrambled (sometimes somewhat readable, but mostly chopped up). Any ideas what may cause this? I am guessing something is wrong with the display, but I guess it could be a code issue. I used the same example code you posted

though.



**bevald (/member/bevald)** ▶ cryptic45 (/member/cryptic45) 10 months ago

Reply

Connect CS to GND, and that's it! :)



**Alex\_chu (/member/Alex\_chu)** (author) ▶ cryptic45 (/member/cryptic45)

Reply

I guess the module you used is not the same as ours. you can send a module picture to my email, info(at)smart-prototyping.com a year ago



**Alex\_chu (/member/Alex\_chu)** (author) ▶ cryptic45 (/member/cryptic45)

Reply

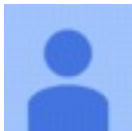
I guess the module you used is not the same as ours. you can send a module picture to my email, info(at)smart-prototyping.com a year ago



**bevald (/member/bevald)** 10 months ago

Reply

Hi, I want to display my own picture on the oled, but how do I "transfer" it to 128x64 pixels? Thanks,  
Ben (:



**JohnnyC5 (/member/JohnnyC5)** ▶ bevald (/member/bevald)

Reply

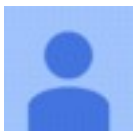
Use any graphics editor which has a function of proportional image resizing (e.g. Photoshop) 10 months ago



**bevald (/member/bevald)** ▶ JohnnyC5 (/member/JohnnyC5)

Reply

Awesome, I'll try that out. Thank you! 10 months ago



**JohnnyC5 (/member/JohnnyC5)** 11 months ago

Reply

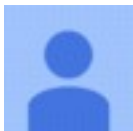
Answering to the question about scrambled pixels that may happen sometimes. Just connect the CS pin to GND and be happy :)



**bevald (/member/bevald)** ▶ JohnnyC5 (/member/JohnnyC5)

Reply

Wow, thank you SO MUCH!!! 10 months ago



**tant2 (/member/tant2)** 10 months ago

Reply

I'm having problem when try to pass in parameter.  
String myChar;  
in void setup:  
myChar='Hello World';  
in void loop:  
OLED.LED\_P6x8Str(1,4,myChar);  
error message:  
display.ino: In function 'void loop()':  
display.ino:31:32: error: no matching function for call to 'OLED::LED\_P6x8Str(int, int, String&)'

↓ More Comments



## FEATURED CHANNELS

Home Repair

(/tag/type-id/category-workshop/channel-home-instrument/)

Survival

(/tag/type-id/category-outside/channel-survival/)

Breakfast

(/tag/type-id/category-food/channel-breakfast/)

Minecraft

(/tag/type-id/category-play/channel-minecraft/)

Knitting

(/tag/type-id/category-craft/channel-knitting-and-crocheting/)

USB

(/tag/type-id/category-technology/channel-usb/)

Comics

(/tag/type-id/category-costumes/channel-comics/)

Winter Drinks

(/id/Holiday-Drinks/)

Weddings

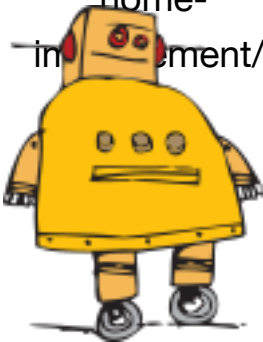
(/howto/weddings/)

Newsletter

Join 2 million + to receive instant inspiration in your inbox.

enter email

I'm in!



### Mobile

Download our apps!

- Android » <https://play.google.com/store/apps/details?id=com.adsk.instructables>
- iOS » <https://itunes.apple.com/app/instructables/id586765571>
- Windows » <http://apps.microsoft.com/windows/en-us/app/7afc8194-c771-441a-9590-54250d6a8300>

### About Us

- Who We Are (/about/)
- Advertise (/advertise/)
- Contact (/about/contact.jsp)
- Jobs (/community/Positions-available-at-Instructables/)
- Help (/id/how-to-write-a-great-instructable/)

### Find Us

- Facebook (<http://www.facebook.com/instructables>)
- Youtube (<http://www.youtube.com/user/instructablestv>)
- Twitter (<http://www.twitter.com/instructables>)
- Pinterest (<http://www.pinterest.com/instructables>)
- Google+ (<https://plus.google.com/+instructables>)
- Tumblr (<http://instructables.tumblr.com>)

### Resources

- For Teachers (/teachers/)
- Artists in Residence (/air)
- Gift Pro Account (/account/give?sourcea=footer)
- Forums (/community/)
- Answers (/tag/type-question/?sort=RECENT)
- Sitemap (/sitemap/)