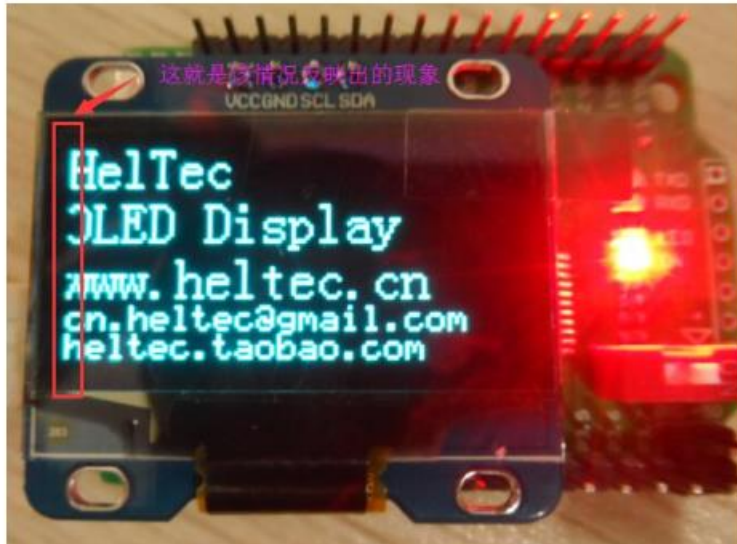


Problems and solution

1. The screen display is incomplete, like below:

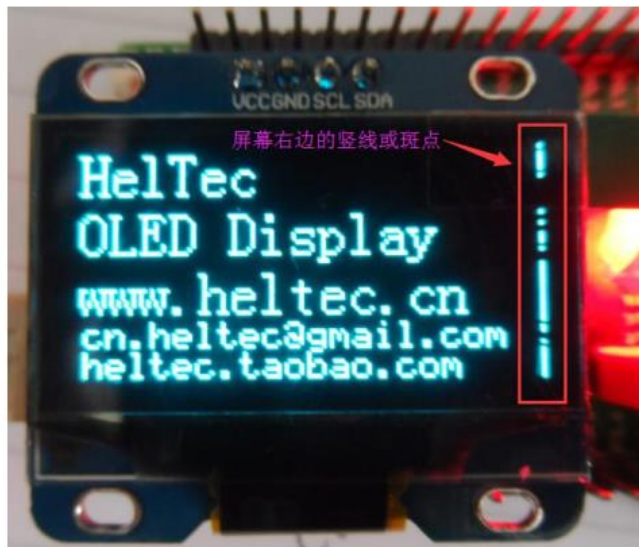


Solution:

When writing data to the screen, the X axis direction starts from 2 (3rd point) to the right

```
void OLED_Set_Pos(unsigned char x, unsigned char y)
{
    OLED_WrCmd(0xb0+y);
    OLED_WrCmd(((x+2&0xf0)>>4)|0x10);
    OLED_WrCmd((x+2&0x0f)|0x01);
}
```

2. There is line in the right of the screen, as below



Solution: define X WIDTH 128 change to 132

```
#define Brightness 0xCF
#define X_WIDTH 128
#define Y_WIDTH 64
```

128 change to 132

3. How to set the screen brightness

Solution: write 0x81 command first,

```
#define Brightness 0xCF //
OLED_WrCmd(0x81); //--set contrast control register
OLED_WrCmd(Brightness);
OLED_WrCmd(0xa1); //--Set
```

Brightness value 0xCF is defined for Brightness

Assign the value Brightness to the 0x81 register

4. How the screen shows upside down

0xa1/0xa0 control left and right

0xc8/0xc0 control up and down

```
OLED_WrCmd(0xa1); //--Set SEG/Column Mapping
OLED_WrCmd(0xc8); //--Set COM/Row Scan Direction
```

0xa0 reverse left right 0xa1 normal

0xc0 reserve up down 0xc8 normal

Reverse left right setting:

```
OLED_WrCmd(0xa0);
```

```
OLED_WrCmd(0xc8);
```

Reverse up down setting:

```
OLED_WrCmd(0xa1);
```

```
OLED_WrCmd(0xC0);
```

Completely inverted setting

```
OLED_WrCmd(0xA0);
```

```
OLED_WrCmd(0xC0);
```

```
OLED_WrCmd(0xA1); /*set segment remap*/
OLED_WrCmd(0xC8); /*Com scan direction*/
```

screen upside down

5.Screen reverse display setting

```
OLED_WrCmd(0xA6); Full-screen positive display
```

```
OLED_WrCmd(0xA7); Full-screen reserve display
```

6.how to set the display wake-up and sleep ?

You can turn on or turn off charge pump to set it:

When it is in sleep mode, the power consumption is 15uA

Sleep

```

/***** turn off oled *****/
void OLED_OFF(void)
{
    OLED_WrCmd(0X8D); // set charge pump
    OLED_WrCmd(0X10); // turn off charge pump
    OLED_WrCmd(0XAE); // oled sleep
}

```

wake up

```

/***** turn on oled *****/
void OLED_ON(void)
{
    OLED_WrCmd(0X8D); // set charge pump
    OLED_WrCmd(0X14); // turn on charge pump
    OLED_WrCmd(0XAF); // wake up oled
}

```