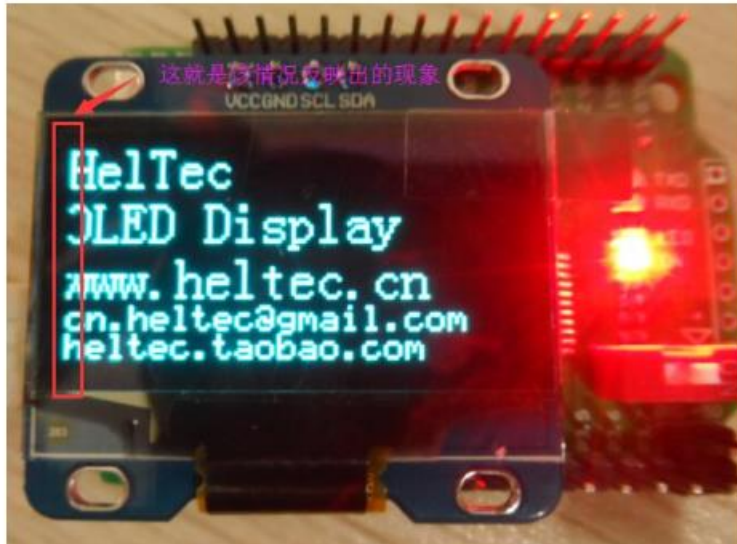# Problems and solution

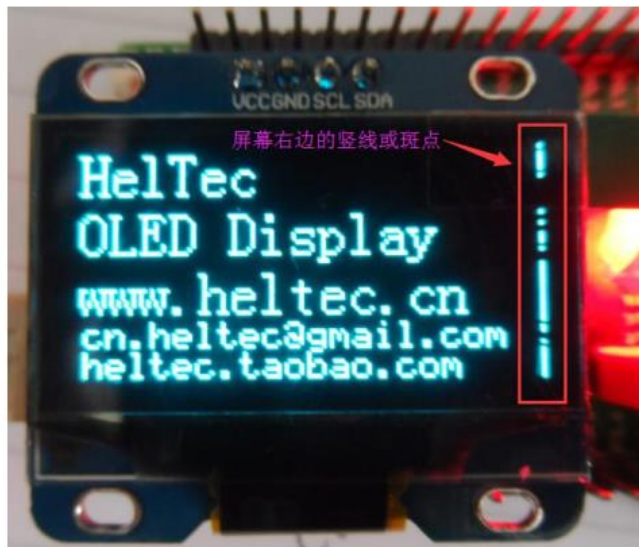1. **The screen display is incomplete, like below:**

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);        Moved 2 columns to the right
    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

3. How to set the screen brightness

Solution: write 0x81 command first,

4. How the screen shows upside down

    0xa1/0xa0   control left and right

    0xc8/0xc0   control up and down

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
}
```