

## MKS MINI LCD12864 firmware modification

Some older firmware versions may not be available. Please download the latest firmware from GitHub <a href="https://github.com/thingsmart/Marlin-RC">https://github.com/thingsmart/Marlin-RC</a>

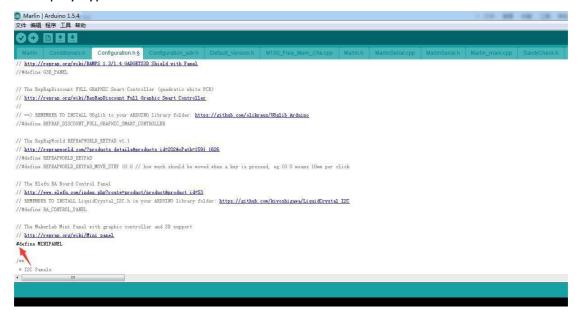
### On the basis of the Marlin-RC.zip modification:

In this firmware, marlin folder file by default is an XYZ machine, if is the delta machine, can copy the firmware "marlin / example\_configurations / delta / generic" folder "Configuration.h" and "Configuration\_adv.h" the two files to the Marlin folder, replace the original two files, and then modify as described below method

1. Find the motherboard type in configuration.h Board Type Select "BOARD\_MKS\_BASE"



#### 2. Display Type Selection:





3. Find pins RAMPS 13.h

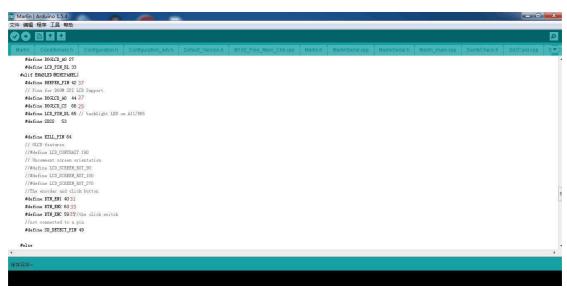
#elif ENABLED (MINIPANEL) part is the modified as follows: (red part of the words on behalf of the need to modify)

```
#elif ENABLED(MINIPANEL)
#define BEEPER_PIN 42
// Pins for DOGM SPI LCD Support
#define DOGLCD_A0 44 #define
DOGLCD_CS 66
#define LCD PIN BL 65 // backlight LED on A11/D65
#define SDSS
              53
#define KILL PIN 64
// GLCD features
//#define LCD_CONTRAST 190
// Uncomment screen orientation
//#define LCD SCREEN ROT 90
//#define LCD_SCREEN_ROT_180
//#define LCD_SCREEN_ROT_270
//The encoder and click button
#define BTN_EN1 40
#define BTN_EN2 63
#define BTN_ENC 59 //the click switch
//not connected to a pin
#define SD_DETECT_PIN 49
```

# Modified to: (blue word means the modified part)

```
#elif ENABLED(MINIPANEL)
#define BEEPER PIN 37
// Pins for DOGM SPI LCD Support
#define DOGLCD A0 27 #define
DOGLCD_CS 25
#define LCD_PIN_BL 65 // backlight LED on A11/D65
#define SDSS 53
#define KILL_PIN 64
// GLCD features
//#define LCD_CONTRAST 190
// Uncomment screen orientation
//#define LCD_SCREEN_ROT_90
//#define LCD_SCREEN_ROT_180
//#define LCD_SCREEN_ROT_270
//The encoder and click button
#define BTN_EN1 31
#define BTN EN2 33
#define BTN_ENC 35 //the click switch
//not connected to a pin
#define SD_DETECT_PIN 49
```





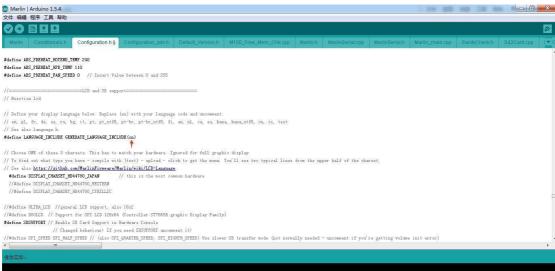
Also need to pay attention to the place:

SD card in the configuration.h need to be enabled, otherwise can not read the card. As shown below, remove the double slash .



In the configuration.h, the arrow inside the brackets to "en" is English, "cn" is Chinese, but also support other languages, can be changed then need to re-compile the programming process!!





Other configuration parameters with the old version of the firmware is the same, no longer described!

## **Dimensions:**

