

MKS LCD12864A Intelligent Display

How to change contrast value in Marlin Firmware Setup

MKS LCD12864A V1.0



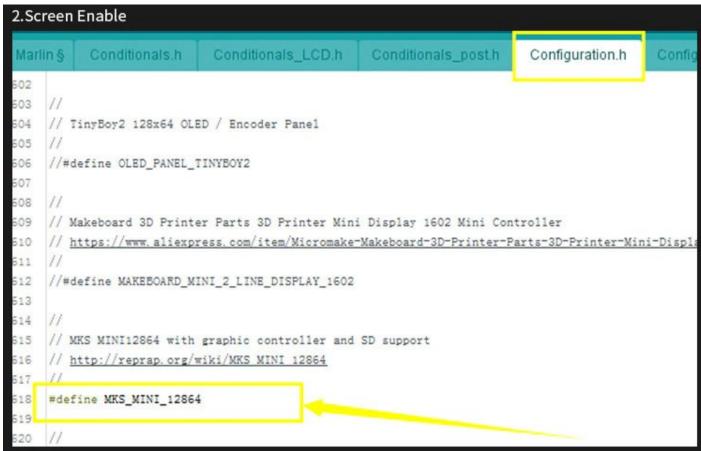


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```
= static const uint8_t u8g_dev_uc1701_mini12864_init_seq[] PROGMEM = {
43
                         /* disable chip */
/* instruction mode */
44
        U8G ESC CS(0),
45
        U8G_ESC_ADR(0),
        U8G_ESC_RST(1),
                                 /* do reset low pulse with (1*16)+2 milliseconds */
46
        U8G_ESC_CS(1),
47
                                  /* enable chip */
48
                         /* soft reset */
49
       0x0e2,
                 /* set display start line to 0 */
/* ADC set to reverse */
/* common output mode */
50
        0x040,
51
        0x0a0,
52
        0x0c8,
       0x0a6,
                     /* display normal, bit val 0: LCD pixel off. */
53
54
       0x0a2,
                    /* LCD bias 1/9 */
        0x02f,
                    /* all power control circuits on */
55
        OxOf8,
                    /* set booster ratio to */
56
57
        0x000,
                      /* 4x */
                      /* set VO voltage resistor ratio to large */
58
        0x023,
59
                      /* set contrast */
      0x034, /* contrast value */
60
61
        0x0ac, /* indicator */
        0x000,
                    /* disable */
62
63
        OxOaf,
                      /* display on */
64
       U8G_ESC_DLY(100),
65
                               /* delay 100 ms */
                                     /* display all points, ST7565 */
66
        0x0a5,
        U8G_ESC_DLY(100), /* delay 100 ms */
67
        U8G_ESC_DLY(100),
                              /* delay 100 ms */
68
69
        0x0a4,
                                     /* normal display */
        U8G_ESC_CS(0),
70
                                   /* disable chip */
71
                                  /* end of sequence */
        U8G_ESC_END
```



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The same as mini 12864, the enable item(yellow highlighted)

Note: The firmware can match one type of screen only. It may cause display error if setting up several types of screen.

If the firmware is enabled and refreshed, but the screen display is blurred or not displayed. The reason this may be caused is that there is no contrast setting or no saving. Simply set the contrast to 0x032, save it and re-use arduino to update the firmware.