# The way to customize booting logo and buttons picture

Ⅰ

1. Customized range

a. Booting interface logo;

b. The buttons picture;

c. The screen background color;

d. The title text color;

e. The background color that shows temperature, ect, status;

f.  The text color that shows temperature, ect, status;

g. The text color of file name in the "ChooseFile" interface;

h. The text background color of file name in the "ChooseFile" interface;

i.  The text background color of printing status in the "Printing" interface;

j. The text color of printing status the "Printing" interface;

k. Whether the buttons need 3D effect, it is required by default.


2.Logo picture: 16dpp, width= 320 pixels , height=240 pixels ;

3.Button picture: 16dpp, width=78 pixels, height=104 pixels;

4.The name of customized picture must be same as we required ;

5. The color value is hexadecimal ;

6. Up to 7 function buttons can be customized in the "More" menu;

7. Up to 6 function buttons can be customized in the "Printing>More" menu;


Ⅱ

1.Customize picture

   1.1 Install "Image 2Lcd" software, modify the bmp format picture to the BIN file;

   1.2 Copy "mks_config.txt" and "mks_pic" to SD card root, plug the SD card to MKS TFT, restart, then the system will update automatically.

Ⅲ Name the picture of LOGO and buttons

1.logo:bmp_logo.bin

2."ReadyPrint" interface

| Preheat<br>bmp_preHeat.bin | Move<br>bmp_mov.bin | Home<br>bmp_zero.bin | Printing<br>bmp_printing.bin |
|---|---|---|---|
| Extrude<br>bmp_extruct.bin | Fan<br>bmp_fan.bin | Set<br>bmp_set.bin | More<br>bmp_more.bin |

3. "Preheat" Interface

| Add<br>bmp_ADD.bin | Dec<br>bmp_Dec.bin | Close<br>bmp_speed0.bin | Back<br>bmp_return.bin |
|---|---|---|---|
| Hotbed<br>bmp_bed.bin | E1<br>bmp_extru1.bin | E2<br>bmp_extru2.bin | 1mm(step)<br>bmp_step1_mm.bin |
| 5mm(step)<br>bmp_step5_mm.bin | 10mm(step)<br>bmp_step10_mm.bin | slow(speed)<br>bmp_speed_slow.bin | normal<br>bmp_speed_normal.bin |
| high(speed)<br>bmp_speed_high.bin | | | |

4. "Extrude" interface

| In<br>bmp_in.bin | | | Out<br>bmp_out.bin |
|---|---|---|---|
| Extrude | Step | Speed | |
| E1:bmp_extru1.bin | 1mm: bmp_step1_mm.bin | slow: bmp_slow.bin | Back: bmp_return.bin |
| E2:bmp_extru2.bin | 5mm: bmp_step5_mm.bin | normal: bmp_normal.bin | |
| | 10mm: bmp_step10_mm.bin | high: bmp_high.bin | |

5."Move" Interface

| $X^+$: bmp_xAdd.bin | $Y^+$: bmp_yAdd.bin | Z+: bmp_zAdd.bin |
|---|---|---|
| $X^-$: bmp_xDec.bin | $y^-$:bmp_yDec.bin | $Z^-$: bmp_zDec.bin |
| 0.1mm(step)<br>bmp_step_move0_1.bin | 1mm(step)<br>bmp_step_move1.bin | 10mm(step)<br>bmp_step_move10.bin |

6. "Home" Interface

| Home<br>bmp_zeroA. bin | X<br>bmp_zeroX. bin | Y<br>bmp_zeroY. bin |
|---|---|---|
| Z<br>bmp_zeroZ. Bin | Back<br>bmp_return. bin | |

7. "Fan" Interface

| Add<br>bmp_Add. bin | Dec<br>bmp_Dec. bin | Back<br>bmp_return. Bin |
|---|---|---|
| Full<br>bmp_speed255. bin | Half<br>bmp_127. bin | Close<br>bmp_speed0. bin |

8."Set" Interface

| FileSys<br>bmp_fileSys. bin | Connect<br>bmp_connect. bin | WIFI<br>bmp_wifi. bin | About<br>bmp_about. bin |
|---|---|---|---|
| Filament<br>bmp_filamentchange. bin | Motor OFF<br>bmp_function2 | Leveling<br>bmp_function2 | Back<br>bmp_return. Bin |

9."Filesys" Interface

| SD | Udisk | |
|---|---|---|
| unselected<br>bmp_sd. bin | unselected<br>bmp_usb. bin | Back<br>bmp_return. Bin |
| selected<br>bmp_sd_se1. bin | selected<br>bmp_usb_se1. bin | |

10. "Connect" Interface

| 9660 | 57600 | 115200 | 250000 |
|---|---|---|---|
| unselected<br>bmp_baud9600. bin | unselected<br>bmp_baud57600. bin | unselected<br>bmp_baud115200. bin | unselected<br>bmp_baud250000 bin |
| selected<br>bmp_baud9600_se1. bin | selected<br>bmp_baud9600_se1. bin | selected<br>bmp_baud9600_se1. bin | selected<br>bmp_baud9600_se1. bin |

## 11."More" Interface

| custom1<br>bmp_custom1. bin | custom2<br>bmp_custom2. bin | custom3<br>bmp_custom3. bin | custom4<br>bmp_custom4. bin |
|---|---|---|---|
| custom5<br>bmp_custom5. bin | custom6<br>bmp_custom6. bin | custom7<br>bmp_custom6. bin | Back<br>bmp_return. bin |

## 12."ChooseFile" Interface

| File<br>bmp_file. bin | Dir<br>bmp_dir. bin | Back<br>bmp_return. bin |
|---|---|---|
| Page up<br>bmp_pageUp. bin | Page down<br>bmp_pageDown. bin | |

## 13."Printing" Interface

| Option<br>bmp_menu. bin | E1<br>bmp_extru1_no_words. bin | E2<br>bmp_extru2_no_words. bin |
|---|---|---|
| Bed<br>bmp_bed_no_words. bin | Fan<br>bmp_fan_no_words. bin | Fan moves<br>bmp_fan_move. bin |

## 14. "Operate" Interface

| Pause<br>bmp_pause. bin | Stop<br>bmp_stop. bin | Back<br>bmp_return. bin |
|---|---|---|
| Temperature<br>bmp_temperature. bin | Speed<br>bmp_speed. bin | Move<br>bmp_move. bin |

## 15."Pause" Interface

| resume<br>bmp_resume. bin | Stop<br>bmp_stop. bin | More<br>bmp_more. bin |
|---|---|---|
| Extrude<br>bmp_extrude. bin | Move<br>bmp_move. bin | temperature<br>bmp_temperature. bin |

## 16."Speed" Interface
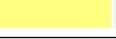
| Add<br>bmp_Add.bin | | | Dec<br>bmp_Dec.bin |
|---|---|---|---|
| Move<br>unselect: bmp_move.bin<br>selected: bmp_mov_se1.bin | Extrude<br>unselect: bmp_extrude.bin<br>selected:bmp_extrude_se1.bin | Step<br>1mm: bmp_step1_mm.bin<br>5mm: bmp_step5_mm.bin<br>10mm: bmp_step10_mm.bin | |

## 17."ReadyPrint>Operate>Pause>More" Interface

| Fan<br>bmp_fan. bin | Filament<br>bmp_filamentchange. bin | Auto<br>bmp_auto_off. bin | morefunc1<br>bmp_morefunc1. bin |
|---|---|---|---|
| morefunc2<br>bmp_morefunc1. bin | morefunc3<br>bmp_morefunc1. bin | morefunc4<br>bmp_morefunc1. bin | Back<br>bmp_return.  bin |

## 18. The hexadecimal value for the common color

| blue | | 0xFF0000 |
|---|---|---|
| green | | 0x00FF00 |
| red | | 0x0000FF |
| yellow | | 0x00FFFF |
| light blue | | 0xFF8080 |
| light green | | 0x80FF80 |
| light red | | 0x8080FF |
| cyan-blue | | 0xFFFF00 |

| light cyan-blue | | 0xFFFF80 |
|---|---|---|
| light yellow | | 0x80FFFF |
| dark green | | 0x008000 |
| dark red | | 0x000080 |
| dark blue | | 0x800000 |
| dark yellow | | 0x008080 |
| black | | 0x000000 |
| white | | 0xFFFFFF |