TFT 35/28/24 screen customize

一、 **Convention**

If the customer needs to customize the display picture of the touch screen , the following should be observed:

1. Custom Logo image size is specified as:

TFT35: Width = 480 pixels, height = 320 pixels.

TFT28/TFT24: Width = 320 pixels, height = 240 pixels.

2. Custom button image size is specified as:

TFT35: Width = 95 pixels, height = 95 pixels.

TFT28/TFT24: Width = 70 pixels, height = 70 pixels.
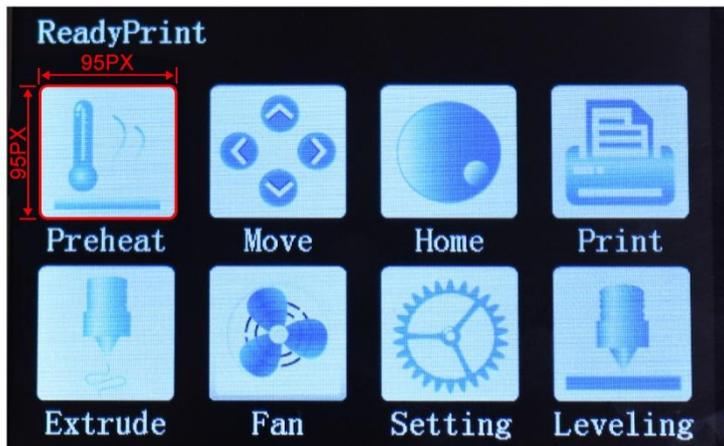
3. The custom image must be given a specific name. (detailed in firmware"icon_list.inc"file). the first " X_ICON (HEAT)" means need a "Heat.bmp" file, the second " X_ICON (MOVE)" means need a "Move.bm" file, etc...
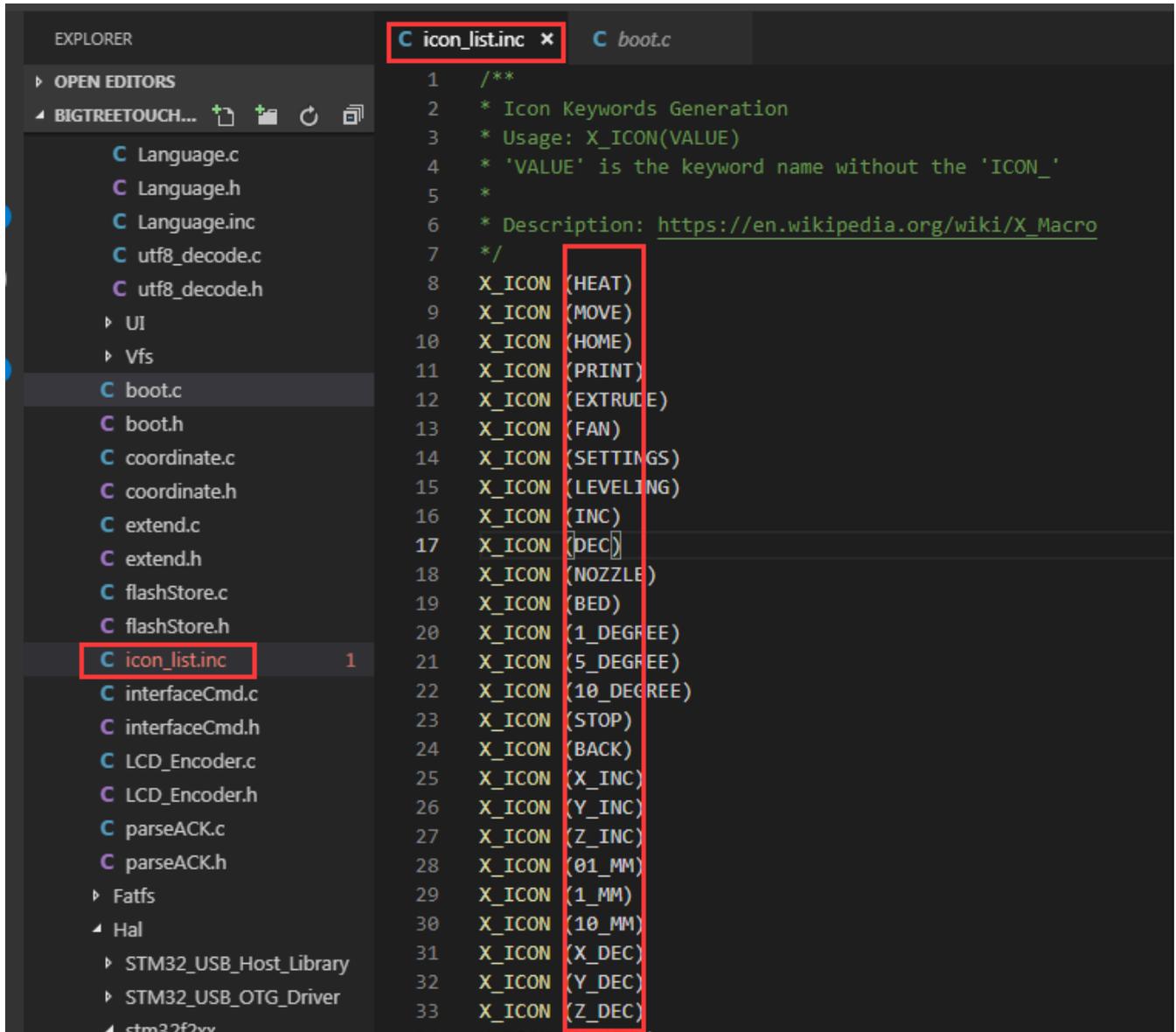
二、 Steps

We need to use the drawing tool to modify the desired image, such as Photoshop. There are two formats for our custom images:

Ⅰ.Boot Logo image size is 480 x 320(for TFT35)/320 x 240(for TFT28/TFT24) pixels, named Logo, picture format is BMP. Button image size is 95 x 95(for TFT35)/70 x 70(for TFT28/TFT24) pixels, see appendix for corresponding name , picture format is BMP. Example in making logo picture with Photoshop as below.

Ⅱ.Open PS, Ctrl+N, create a new canvas, modify the width and height of the canvas to the number we need. Then confirm it.
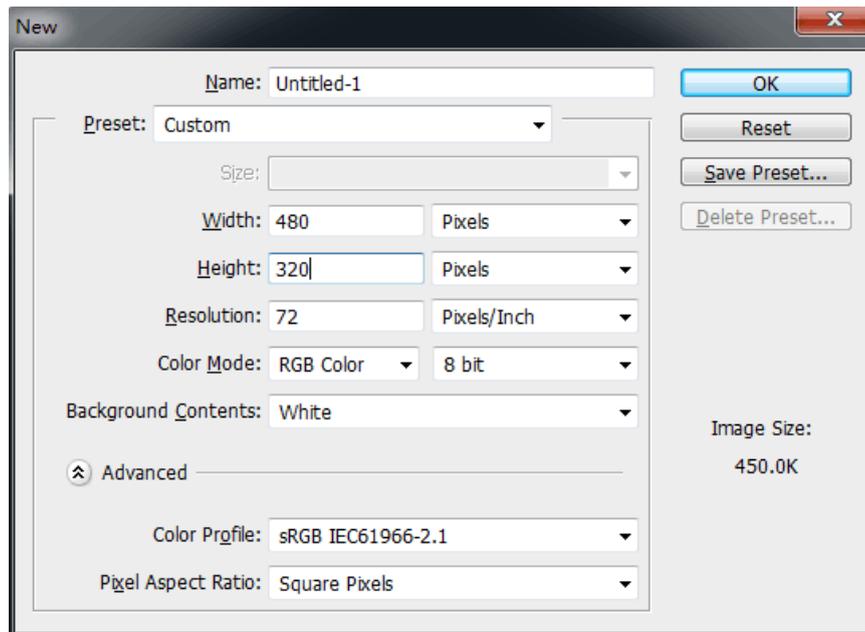
Ⅲ.Directly drag the logo image into the PS.
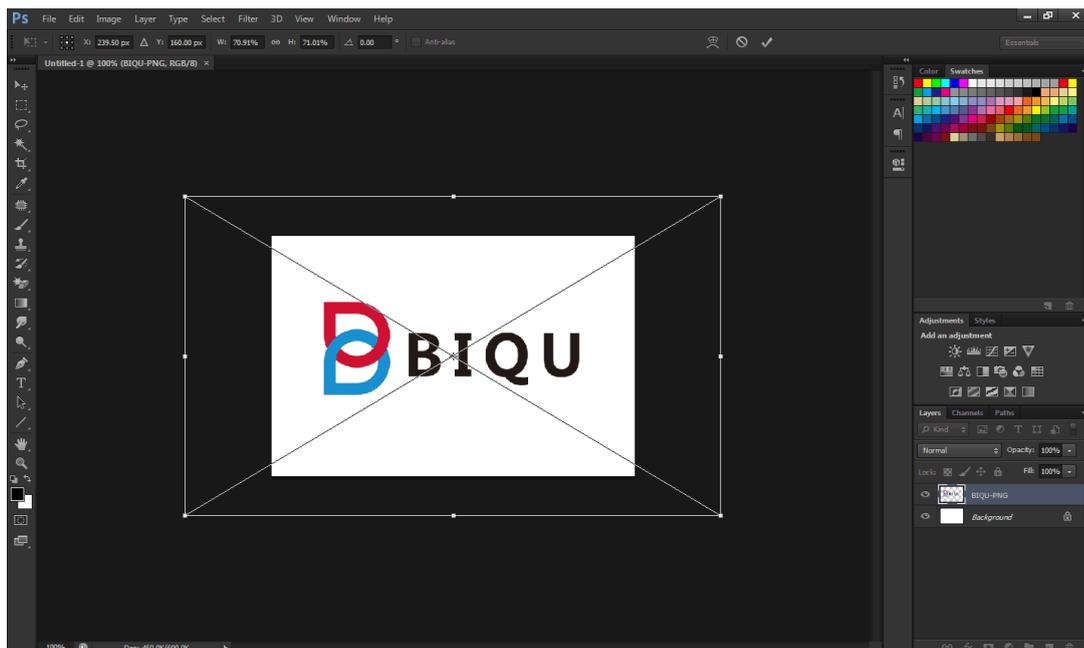
Ⅳ.Use the "Shift +Alt" on the Key Board to ajust the proportion and position.
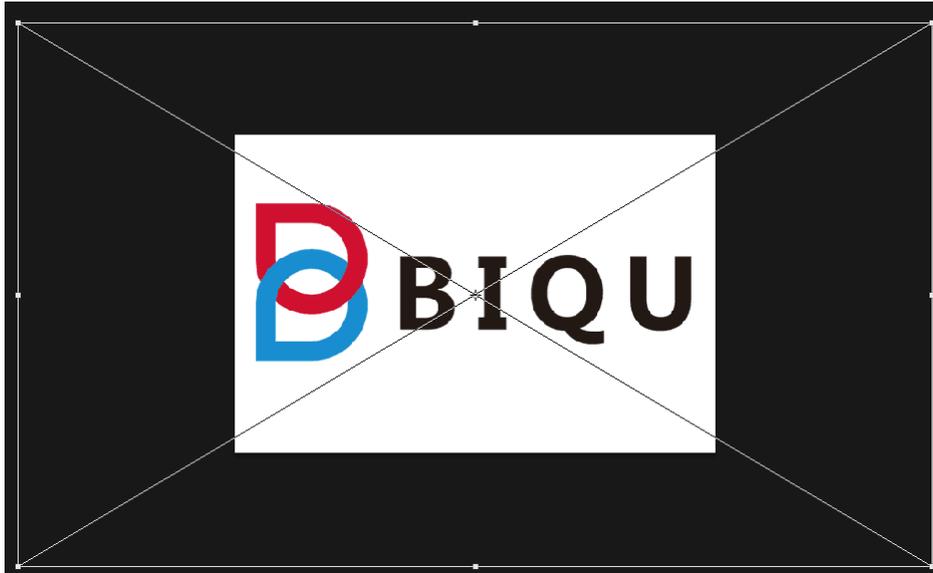
Ⅴ.Next save the picture which we modified before to the Format of "BMP", Then named it of" Logo .bmp
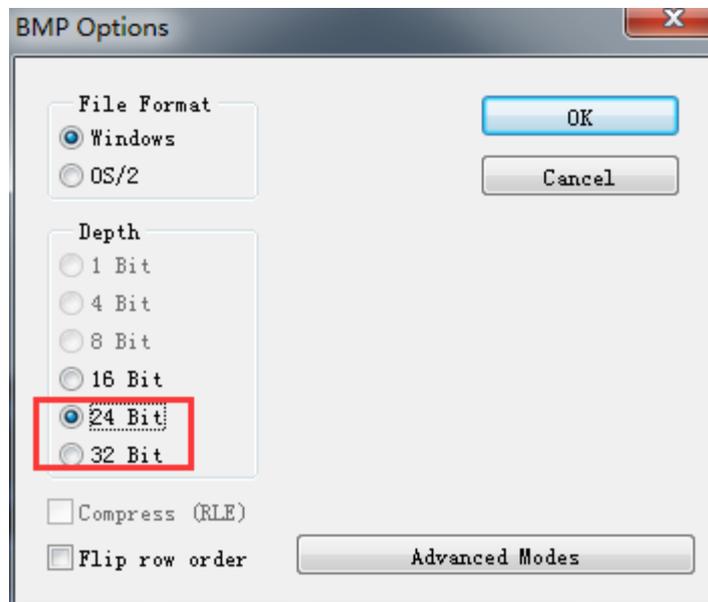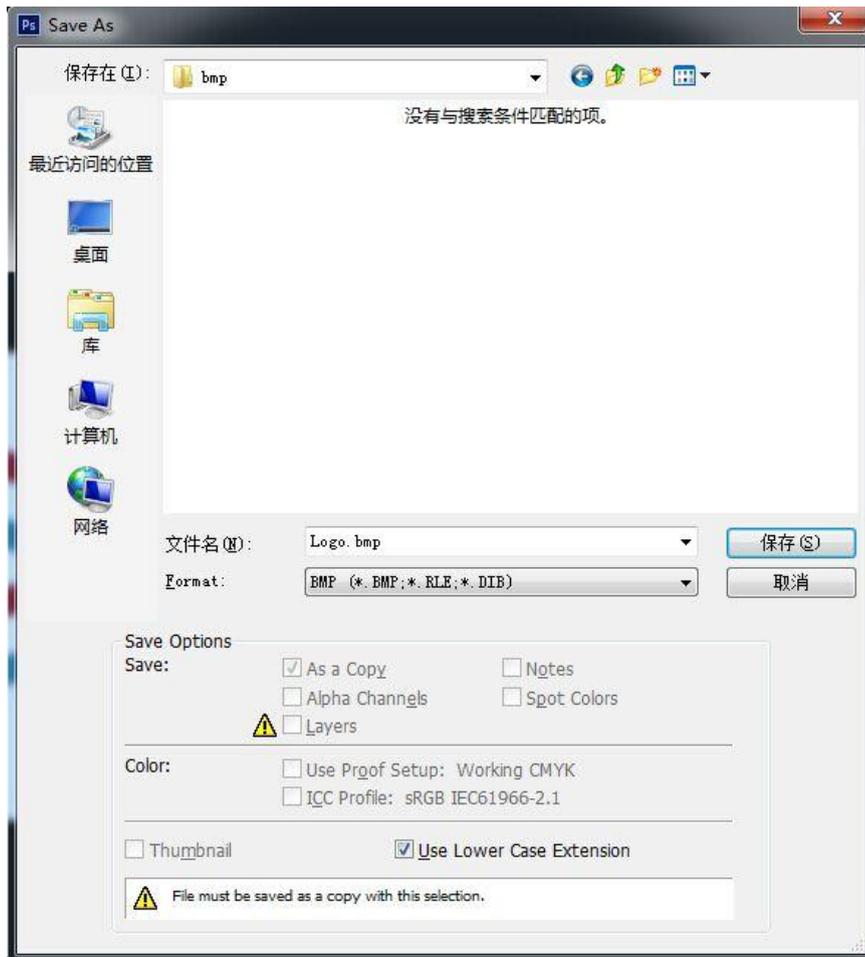
Ⅵ.We need to Create a new folder called "TFT35(TFT24/TFT28)/bmp" in the SD card, next copy all picture you modified on the previous process to the folder "TFT35(TFT24/TFT28)/bmp", then put the SD card into the TFT screen and reset, the

system inside will be upgraded automatically, Finally, the it will be finished.