How to Make a Touch Interface

1, The making of an interface(picture):

- (1) Picture requirements: JPG,BMP;
- (2) Assistance software: Photoshop, ACDsee;

(3) Resolution Requirement: should be greater than 640*480. Otherwise, the view will be vague.



(4) We need two pictures for one interface to show the dynamic effects, as illustration above; The picture with a lighter color will be the animation effective.(5), The buttons on the interface should be arranged by the principle of artistic.

2, Downloading Pictures:

Download the pictures into the position0,1,2,3,4....by software Terminal Assistance V3.;

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(1) Select the pictures in your PC by click the button *Open picture(1)*, then send the pictures by click *Send(2)*.

3,Making interface:

The following procedures will be operated by the software of Sysdef.

(1)Establish a new touch file;

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(2)Select the pictures;



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(3)Add Buttons:



After you click the button **Add Button**, There will be a pink block on the left side up the picture. Click it twice then you can move it to spread over the button you want to set up.



(4) Jumping to the next picture:

When you touch the buttons you made, the interface should be switched into another picture. Therefore, we need to appoint a picture:



Also in this way, we can make the Animation:



(5) Code Selection:

We need to assign a code for the button we made. Therefore, when we touch the button, the module will send the code to our microcontroller to carry on the task.



(6) Generating;



After we finish all these procedures, we can preview it. If the interfaces operate normally, we can generate it and send the file to our module.

4, Terminal model setting;

Now, we need to use the TA V3 again. We need to set the Terminal model of our module in the first time we download a touch file.



We can get the model(TFT_ID) when we click the *handshake* or from the datasheet below:

HMI 型号	TFT_ID	分辨率	HMI 型号	TFT_ID	分辨率
DMT32240S035_01W	0x0B	320*240	DMT80480S070_01W	0x03	800*480
DMT32240S035_02W	0x0D	320*240	DMT80480S070_02W	0x04	800+480
DMT48270S043_01N	0x08	480*272	DMT80600S080_01W	0x09	800*600
DMT32240S057_01N	0x07	320*240	DMT64480S084_01W	0x00	640+480
DMT32240S057_02W	0x0C	320*240	DMT64480S104_01W	0x00	640+480
DMT64480S057_01W	0x0A	640*480	DMT80600S121_01W	0x05	800*600
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Generally, we need to select the first three options to fulfill the touch function.

END

Thank you for using DWIN LCM.

More questions please mail to dwinhmi@263.net