

## How to customize font / font on the screen serial port

Engineering notes



category	content
Key words	Serial screen Custom font / font
Summary	



## revise history

version	date	the reason	prepared by	Examine	
V1.0	2014/01/01	Create documents	Chien		
V2.0	2016/02/17	Simplified character generation operation, increased 90 Chien display of fonts			
V3.0	2017/8/14	Based on the increase windows Fonts Add Fonts	Chien		



## Sales and Service

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## 1. Scope

Documentation for budget, basic, were linked, 86 Serial screen box series products.

## 2. Development Environment version

### 2.1 VisualTFT Software version: V3.0.0.827 And above

View version: Open VisualTFT Click Help -> About VisualTFT You can view the current software version number

The latest version can be found at <http://www.gz-dc.com/> Download



### 2.2 Serial screen hardware version: V2.22.649.XXX And above

View version: (1) Check the version number sticker on the back screen

(2) VisualTFT The version number of the screen after a successful connection, the lower right corner of the display



### 3. Functional Overview

In some special occasions, serial screen comes with Times New Roman unable to meet the needs of users, in order to make more art images and fonts Association

The same tune, you can use VisualTFT Built-in character generator generates a different font (e.g., elegant black, bold,

Italics, etc.), to replace the serial screen.





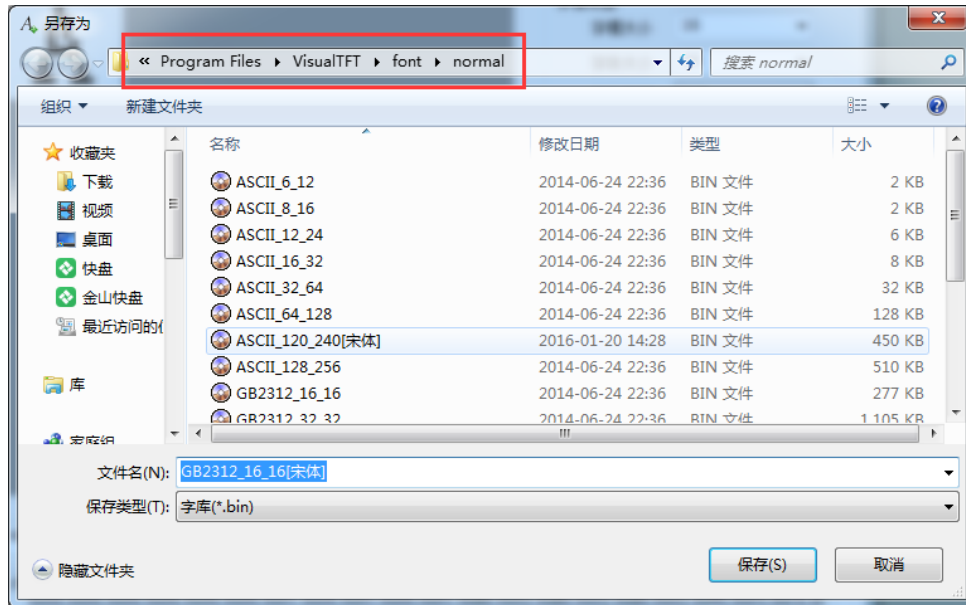
Font Size: The font size is the size of character dot matrix display, can not exceed the boundaries of the font, to adjust according to the actual situation.

Character set points: ASCII , GBK , GB2312 . GB2312 Contains only two characters at the national level, 6000 More characters;

GBK Includes Korean, Japanese, etc. have 2 More than ten thousand characters; ASCII Mainly because some regular English and numeric characters.

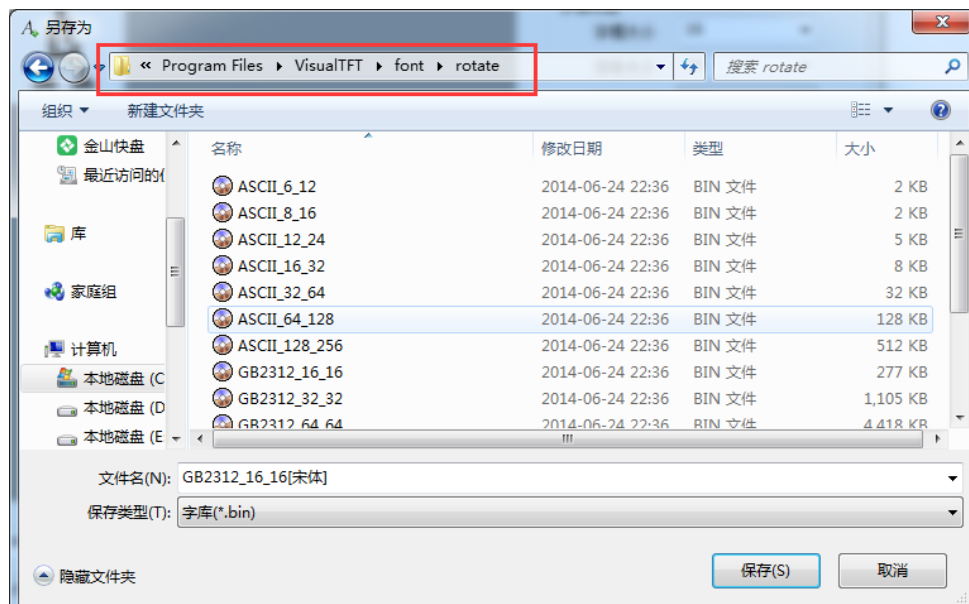
### 3. Font save path

Regular font, font path to save the software installation directory. " normal "Folder, shown in Figure 4-2



Map 4-2 Conventional save font path

90 Degree font, font path to the installation directory to save the software " rotate "Folder, shown in Figure 4-3.



Map 4-3 90 Save path of the font

### 4. Character generation Notes

generate GB2312 Font or GBK Font must also generate the corresponding ASCII Font, or use half-width

Enter the time in English, it will not be displayed.

generate ASCII Character, the half width of the options must be checked, as shown in 4-4 Fig.

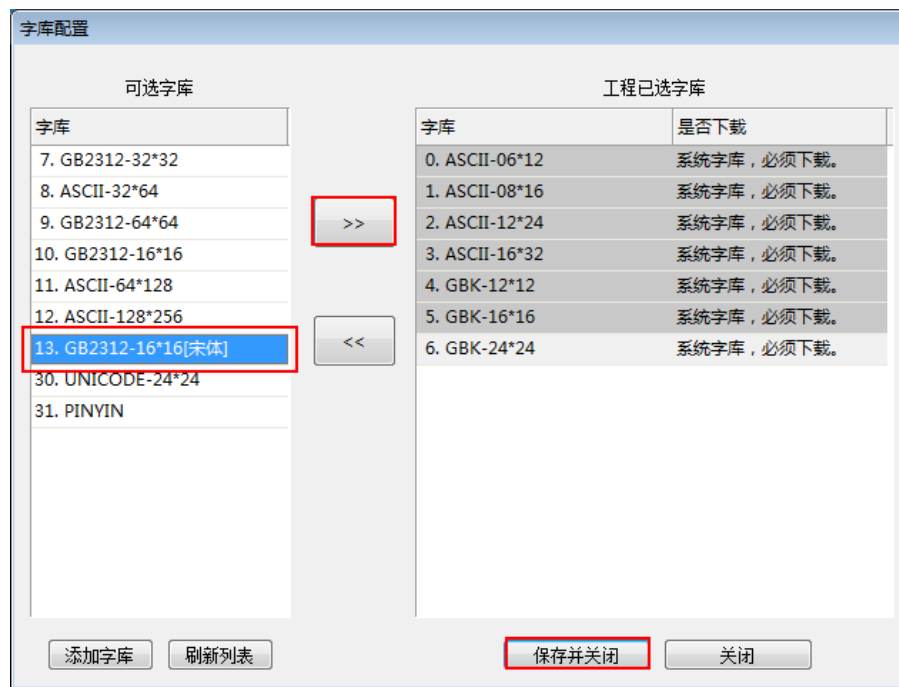
Map 4-4 ASCII Font

## 4.2 Font configuration

When generating a corresponding font, also needs to be configured, as shown in Figure 4-5, click to refresh the list, you can see the newly generated font.

Map 4-5 Refresh font

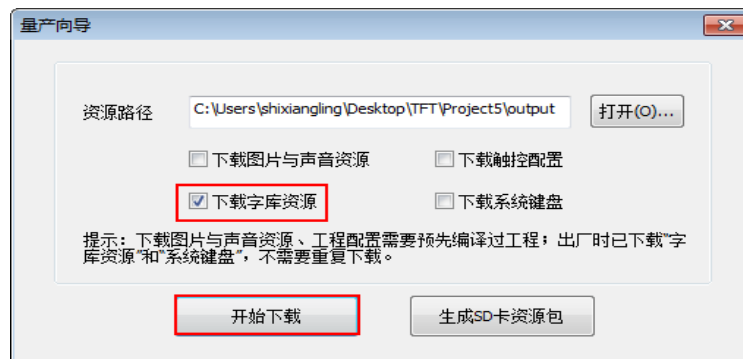
Refresh the list, select the font just generated, click the >> (add), click Save and Close, as shown in Figure 4-6.



Map 4-6 Font configuration

### 4.3 Font download

After configuring the font, the font download just generated to the entity serial screen, through software tools -> production wizard, as shown in Figure 4-7 download the font resource, the connected device, click Start download.

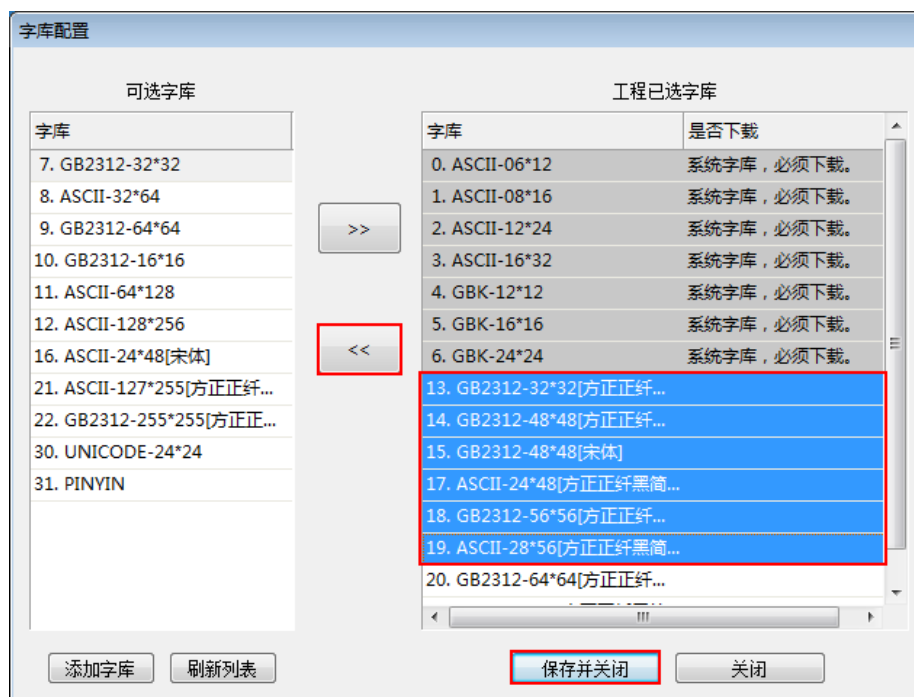


Map 4-7 Font download

### 4.4 Font removed

Serial screen fonts have space, built-in common ASCII, GBK with GB2312 Font, font can be customized to any computer or display UNICODE Font display. If the user exceeds the memory configuration of font, font display may appear abnormal, you can remove some of the fonts are not used to solve the problem of insufficient memory.

Select the font, click << (removed), click Save and Close, remove the font can select multiple fonts at the same time, pay attention to not remove the font used in the project configuration, shown in Figure 4-8.

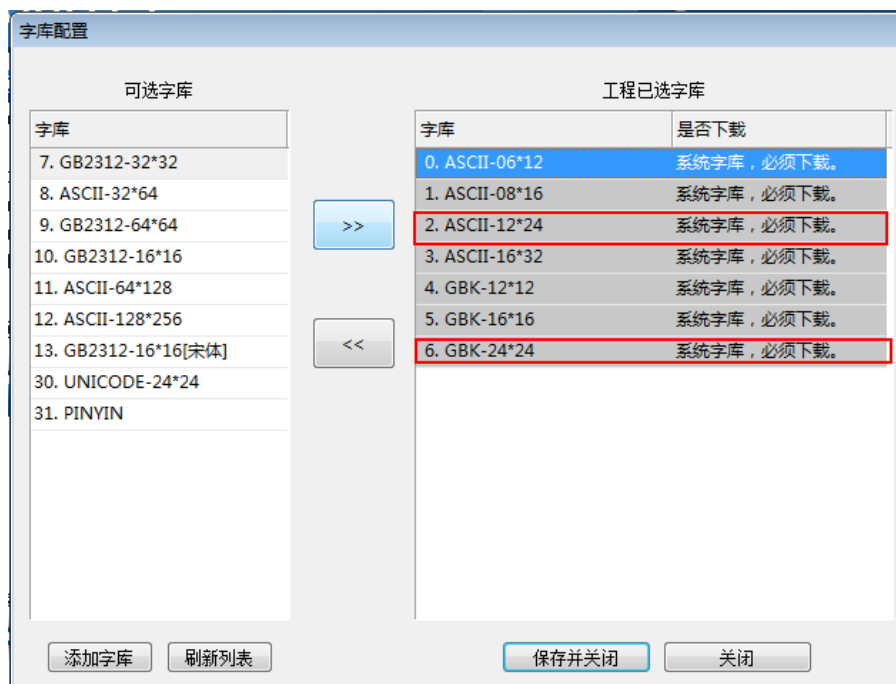


Map 4-8 Remove fonts

#### 4.5 Precautions

Because the system keyboard 2 number ASCII12 \* 24 as well as 6 number GBK24 \* 24 Font size, font configuration time if, after removal of the two, the system will not use the keyboard, shown in Figure 4-9.

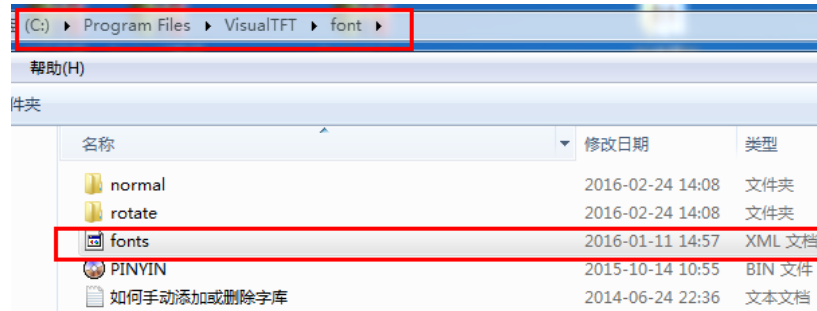
If you need to 2 Number or 6 Alternately font number with the direct formation of font files corresponding to the same name, to replace the direct replication font Folder on the replacement.



Map 4-9 The system must be equipped with keyboard fonts

If too many projects configure the font type, font configuration causing difficulties, in part removed ranks, pay attention to the corresponding GBK

or GB2312 A character must be matched ASCII Font, font when removing part please keep supporting character. For to do this, first backup copy fonts File before proceeding.

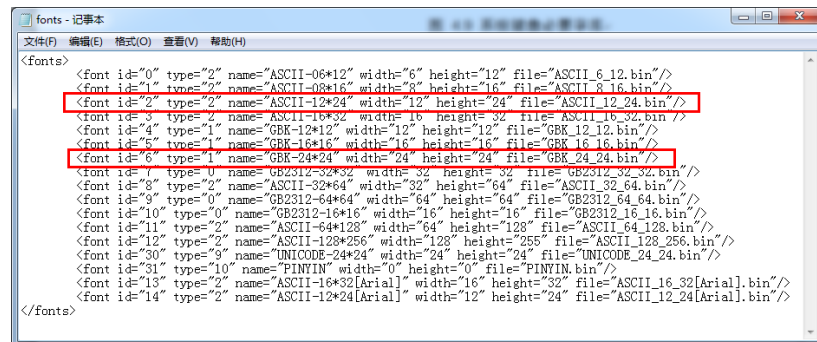


Map 4-10 Font XML file path

Path for the software installation directory under font File, use Notepad to open the way to open fonts File, Open Figure 4-12

Fig. Red box with ID 2 with 6 Number must be preserved, this two character display fonts for the system keyboard.

ID31 Pinyin character, if deleted, can not be switched in Britain.



Map 4-11 fonts-XML file

## annex

User on the screen when serial font / font customize the display, Windows The system pre-installed fonts sometimes cool enough, can not meet the design requirements of users, in VisualTFT Add font is set by the user, or Windows The system font no fonts, you need to at Windows After adding fonts to generate.

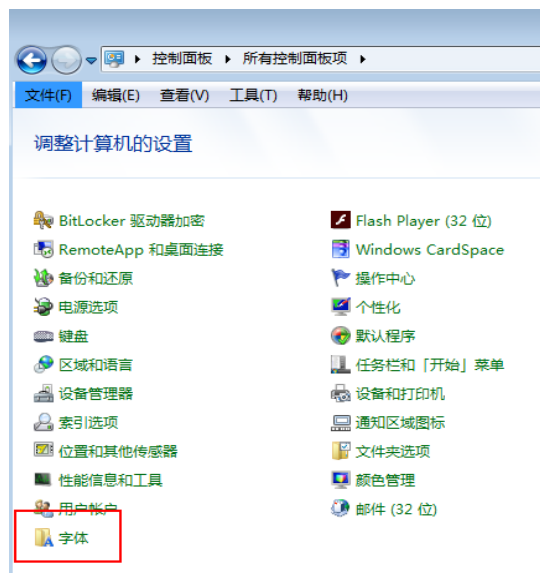
1. Download fonts, Baidu search "font download", you can find many font resource website, find satisfaction through font previews

After the fonts downloaded to the local computer, unzip can see the font file (usually the font file suffix: ttf , ttc , Fom ).



Map 1 Font file

2. Click the computer's "Start" menu, open the "Control Panel", locate and open the "Fonts" in the Control Panel.

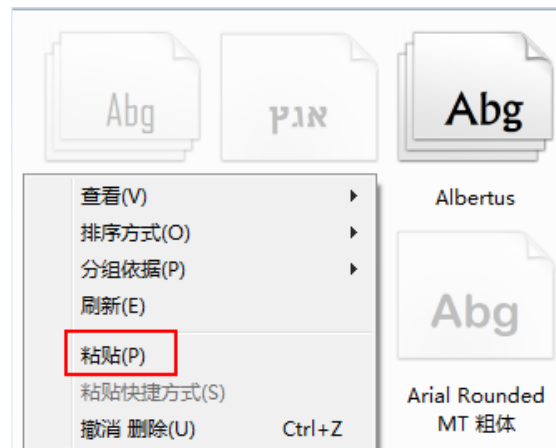


Map 2 Fonts Control Panel

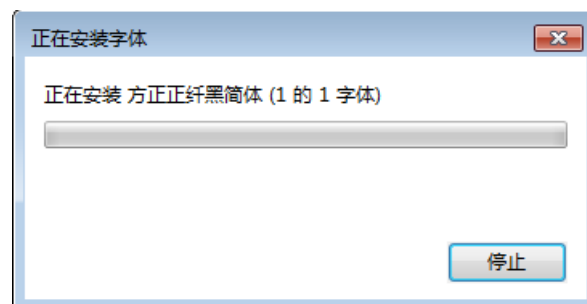
3. Copy the font file prepared, and then pasted into the "Font" folder, then the system will automatically install the font file, waits mounting structure Beam can be.



Map 3 Copy the font file



Map 4 Paste Windows font files



Map 5 The computer automatically install fonts