How to achieve WordArt screen displayed on serial ports

category	content
Key words WordArt icon in the control panel serial port	
Summary	

revise history

version	date	the reason
V1.0	2016/01/06	Create documents

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table of Contents

1. Scope

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

1. Scope

2. Development Environment version

1. VisualTFT Software version: V3.0.0.636 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 www.gz-dc.com Download

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 After the success of the online screen, the version number displayed in the lower right corner.

3. Functional Overview

In some special occasions, serial computer screen and built-in font (Times New Roman, elegant black, black body, etc.) can not meet the needs of users, in order to make a more concerted art images and fonts, users can use graphic images to create a character, such as digital Font tube, with background fonts, fonts, etc. emission.
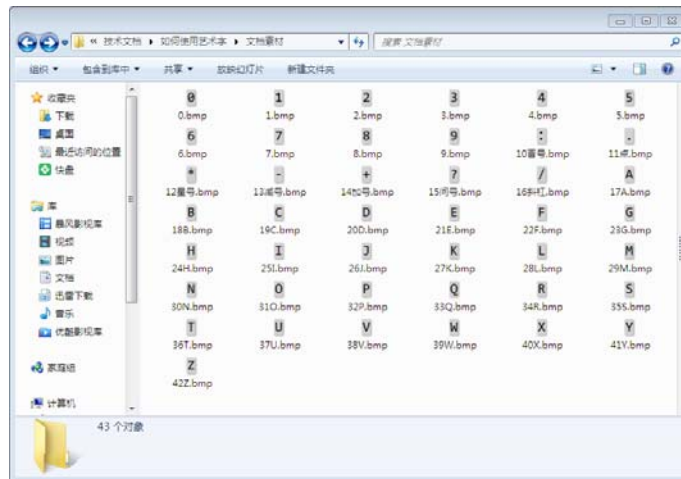
This feature is mainly used to configure the serial port of internal controls screen: Icon controls. After all the pre-made user WordArt pictures, and then **by the icon generation tool, all the WordArt into one ICON File, and then call this text control ICON** Document, implement WordArt display.

For example: a user sending a monolithic digital 123 After internal serial screen resolution, will automatically call 123 WordArt corresponding pictures, and easy operation.

4. Technical realization

4.1 Ready Art font

Artists pre-designed corresponding 0-9 , az , AZ Punctuation and other pictures, the size of the pixel image in accordance with the desired design the actual display screen, as in FIG. 4.1 As shown, all picture pixels 11 * 20 .
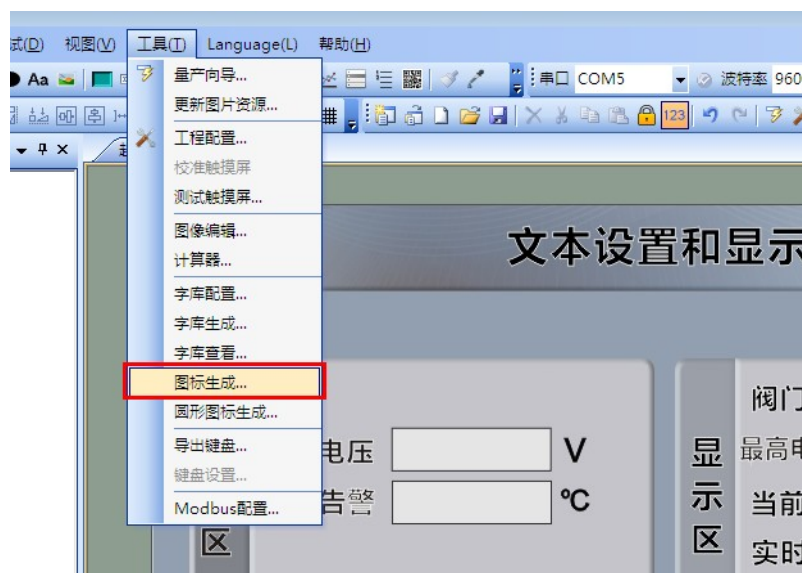

Map 4.1 WordArt Picture

If the interface UI In the same category WordArt need to use different display sizes, were designed according to the maximum image size of the graphic design and famous. Icon Builder software comes with support for image size scaling.
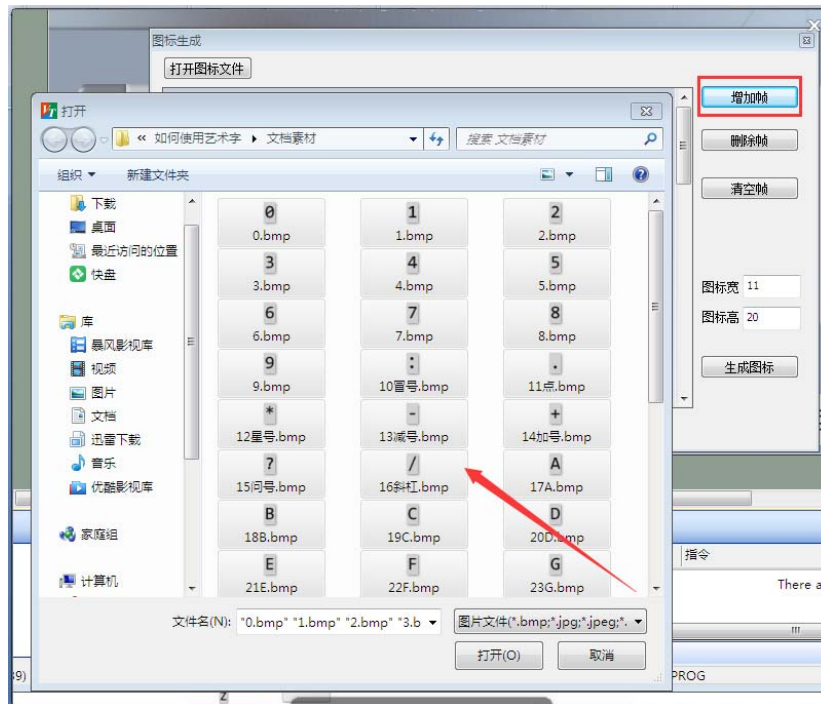
4.2 Production WordArt icon ICON

1. Open icon generator. turn on VisualTFT Software, click on Tools, select "Icon generation", as 4.2 Fig.

Map 4.2 Open Icon Generator

2. Add WordArt picture. Click on "Add frame", will be prepared in advance to import all the pictures into Word Art, as

4.3 Fig.

Map 4.3 Add WordArt Pictures

3. Generate WordArt ICON icon. Users to import images into word art are the width and height of the original size display, the user can also fine-tune the width and height, FIG. 4.4 Fig. Note: The image is adjusted to high rates of low-resolution images can cause blurred. Pictures arranged in the order (from left to right, top to bottom) for the order of the frames, the user can drag the position adjustment, and click "generates the icon." The new WordArt icon file **Figure 4.5 Fig.**
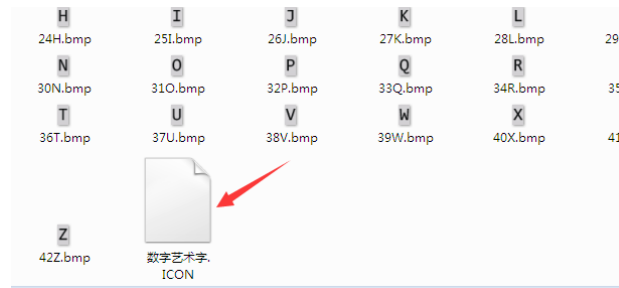
Users can also click on the icon to open the file, the icon file to check the production is correct.

Special Note:

WordArt the order must be in strict accordance with the statute as follows: [0-9], [:? * - + /], [] and [a~z A~Z], otherwise it will lead to error.

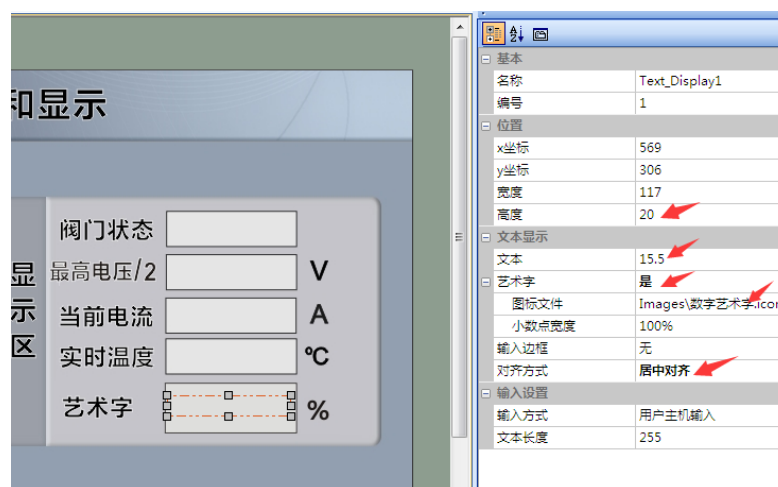**Map 4.4 Generate WordArt ICON icon**

Map 4.5 WordArt icon ICON file

4.3 Software interface settings WordArt

1. Place 1 Text controls. Any new project, the establishment of 1 Pictures, introducing background, then place a text control, FIG. 4.6 Fig.

Map 4.6 Place 1 Text controls

2. WordArt property. Height to text controls 20 , Highly consistent with the original picture (if the text height of the control over the size of the picture itself, will appear blurred stretch), text initialization value 15.5 Select WordArt, import pre-made WordArt ICON Document, center alignment, FIG. 4.7 Fig.

Map 4.7 WordArt

3. Compile and run virtual serial port screen. After compiling correct, run the virtual serial port to view the results screen, shown in Figure 4.8 Fig.

Map 4.8 Run to view the results screen virtual serial port

4. Assistant debugging command display. Open instruction assistant, the use of virtual serial port virtual serial port connection good screen (For details refer to the document "command assistant and virtual serial line debugging screen"), input screen ID ,text ID And text 123 Automatic call on the screen 123 Displayed as 4.9 Fig.

Map 4.9 Assistant debugging command display

5. All operations completed.