

| category | content |
|-----------|---|
| Key words | Text control configuration screen controls serial summary |
| | |

revise history

| version | date | the reason | prepared by | Examine |
|---------|------------|---|---------------|---------|
| V1.0 | 2016/02/22 | Create documents | Chien | |
| V1.1 | 2017/05/06 | Increase in vertical alignment and horizontal alignment | Xie upheld as | |
| V2.0 | 2017/06/03 | Substantially revised supplementary document | Chien | |
| | | | | |

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1. Scope

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

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

Text controls, on-screen text can be displayed by the text control.

Text may be input by the host, can also be provided by, the system pop-up keyboard or a custom keyboard input text editing operation, and then displayed on the screen.

4. Technical realization

4.1 Properties window

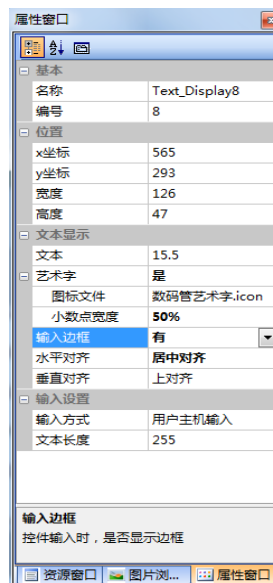
Familiar with the text property of the control window allows for better text control changes to the property, as 4-1 As shown in the Properties window for the text control.

| | |
|------|-----------|
| 文本显示 | |
| 文本 | 220 |
| 字体 | GBK-24*24 |
| 艺术字 | 否 |
| 前景颜色 | 0; 0; 128 |
| 背景类型 | 透明 |
| 背景颜色 | 0; 255; 0 |
| 背景图片 | |
| 密码显示 | 否 |
| 输入边框 | 无 |
| 水平对齐 | 居中对齐 |
| 垂直对齐 | 上对齐 |
| 输入设置 | |
| 输入方式 | 弹出系统键盘输入 |
| 键盘类型 | 小键盘 |
| 初始值 | 有 |
| 文本长度 | 255 |
| 数值限定 | 是 |
| 小数位数 | 0 |
| 最大值 | 220 |
| 最小值 | 0 |

Map 4-1 Properties window text control

4.1.1. Text Display

- 1 Text: Enter user-defined text displayed on the screen.
 - 2 Font: change the font size and style.
 - 3 WordArt: Select "Yes" or "No", WordArt achieve tutorials are available from our official website.
- A : Select "Yes" to open the WordArt display, as 4-2 Fig.
- a) Icon file: Insert WordArt icon file, icon Each frame corresponds to each file:
[0 ~ 9] [.:? * - +] [A ~ Z] [a ~ z] .
- b) Decimal Width: width ratio of the decimal point.
- B : Select "No" to close the WordArt display.



Map 4-2 Properties window

4 , Foreground Color: Set the color of the font can be modified by instructions, instructions can be found in the instruction assistant.

5 Background Type: Select the type of background text controls, expand the options shown in Figure 4-3 Shown, may be selected transparency, color, image, monochrome (displayed when selected). Select the "solid background", "monochrome (displayed when selected)" can set the background color, select the "background image" can set custom background image.



Map 4-3 Background type

6 The password is shown: Open Text will enter "***" is displayed, for example, enter "123" will show "***".

7 Enter Borders: When I turn will control the input, whether to display the border.

8 , Horizontal alignment: the text set horizontal alignment, select "Left", "centered" and "right-aligned".

9 , Vertical alignment: "the alignment" set the text vertical alignment, alternatively, "center aligned", "lower alignment".

4.1.2 Input Settings

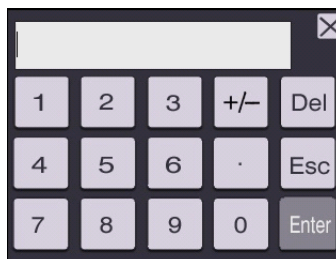
1 , Input: into "hosts input", "the pop-up keyboard input system", "custom key input", "System Variables."

A : Host User input: text entered by the user's host, came through the serial port to the serial-screen instructions, the text is displayed to the screen.

B : Pop-up keyboard system: the system pop-up text input keyboard, a keypad and a keyboard to select the type full keyboard. Numeric keypad may enter, as shown in 4-4 Shown; full keyboard to enter numbers, letters, Chinese, FIG. 4-5

Fig.

Note: The pop-up keyboard input methods at the same time the system can accept user input hosts.



Map 4-4 System keypad



Map 4-5 System-wide keyboard

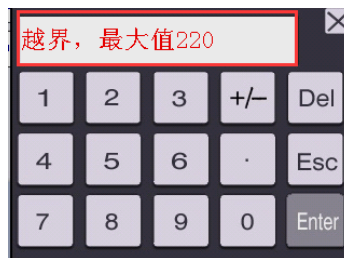
Click can be carried out in
English switch

C : Custom key input: text entered by the user-defined key, you need to use with button controls, button controls can be found in the document.

D : System variables: the serial port can be used to display the screen of the firmware version number, communication baud rate.

2 , Text length: The maximum length of the length of the input text, the instruction is 1024 Bytes (including header and trailer), a character occupies two bytes.

3 , Numerical limitation: may be limited to numeric input keyboard ejection system under way, limit the scope and precision of the input values. Figure 4-6 Shown, if the set value is defined as " 0 ~ 220 ", Then enter" 230 "Keyboard error message will pop up suggesting there is need to change the alternative papers in English, the Secretary and I can get technical tutorials.



Map 4-6 Error message

4.2 Command parsing

When we use the system keypad, type " 1 "Press" Enter After the "key to view VisualTFT Communications records, you can see issue commands such as tables 4-1 Fig.

form 4-1 Enter " 1 "Instruction

| Screen instructions issued | EE [B1 11 00 00 00 01 11 31 00] FF FC FF FF |
|----------------------------|--|
| Command parsing | EE Expressed header |
| | B1 11 Means that the configuration control commands sent |
| | 11 It indicates that the control is a text control |
| | 00,000,001 A screen ID for 0 , Control ID for 131 Represent numbers 1 of |
| | ASCII code |
| | FF FC FF FF It indicates end of frame |

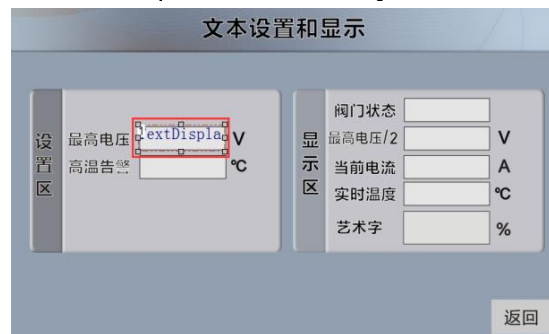
For example, when we use the full keyboard Chinese input system. " 8 After inch "to see VisualTFT Communications records, you can see issue commands such as tables 4-2 Fig.

form 4-2 Enter " 8 Inch "command

| Screen instructions issued | EE [B1 11 00 01 00 02 11 38 B4 E7 00] FF FC FF FF |
|----------------------------|--|
| Command parsing | EE Expressed header |
| | B1 11 Means that the configuration control commands sent |
| | 00,000,002 A screen ID for 0 , Control ID for 211 It indicates that the control is |
| | a text control |
| | 38 Represent numbers 8 of ASCII code |
| | B4 E7 Represent characters " Inch " Internal code |
| | 00 End of a character |
| | FF FC FF FF It indicates end of frame |

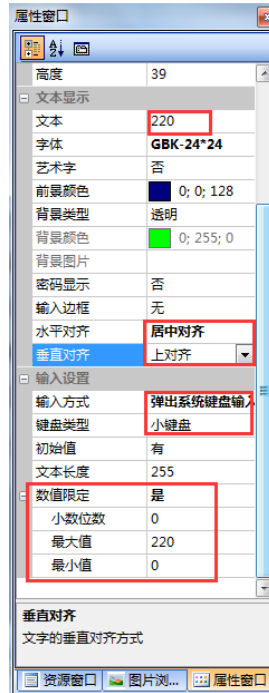
4.3 Routine Operation

1 , A new picture, the text is inserted in the picture control, FIG. 4-7 Fig.



Map 4-7 Insert text controls

2 Of text control attribute settings, text → type " 220 "Align alignment →, → ejection system input method keyboard, keyboard type → keypad, a numerical limitation → " Yes ", the maximum → type" 220 "Figure 4-8 Fig.



Map 4-8 Set the properties window

3 , Compiled correctly, run the simulator test results. Figure 4-9 , The opening window screen virtual serial communication record can see the upper right corner of the screen instruction issued by pressing the keyboard.



Map 4-9 Run screen virtual serial port