Technical Note

Progress bar control and slider control applications

Engineering notes

category	content
Key words	Progress bar control slider control serial port configuration screen controls
Summary	

revise history

version	date	the reason	prepared by	Examine
V1.0	2016/02/23	Create documents	Chien	
V1.1	2017/06/03	Slightly modify the document, slide the slider control to increase notification function	Chien	

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1. Scope

Documentation for budget, basic, were linked, 86 Boxes and other serial-screen 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

Progress bar control, you can compare the image of the data shows that reflect the real situation of the data uploaded to the external screen. Slider control, by dragging the slider, may control the external apparatus, such as controlling the brightness of the lamp, control of motor speed.

4. Technical realization

4.1 The progress bar control properties

Familiar with the controls of the Properties window for better controls are set, as 4-1 For the progress bar control attributes window shown.

Map 4-1 Properties window

1. Numerical

Start value: the minimum value of the progress bar to display the progress bar is empty by default 0 .

Termination value: maximum progress bar, the progress bar can be displayed as a full default 100 . Initial:

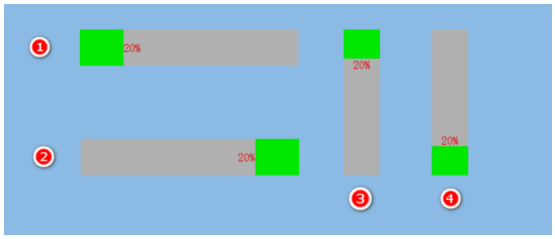
The initial position of the progress bar by default 20 .

Slide notice: whether to allow the slide to modify the progress value can be set to "No", "Allow (slide notification), allow (release notice)."

Numerical Display: text display setting values can be set to "not permitted", "centered", "end display", the display is turned on, the value may be set font, font color, percent sign is displayed.

2. Types of

Progress bar type: "horizontal / left", "horizontal / right", "vertical / left", "vertical / right" four types Alternatively, FIG. 4-2 Four types shown in the progress bar, respectively.



Map 4-2 The progress bar type

3. background

Background type: "Transparent " "Monochrome background", "background image" options, select "Monochrome" can set a plain color, select the "background image", you can customize the background image.

4. prospect

Prospects type: "solid background", "background image" options, select "Monochrome" can set a plain color, select the "background image", you can customize the background image.

4.2 Slider Control Properties

Familiar with the controls of the Properties window for better controls are set, as 4-1 Properties Window shows the slider control.

数值	
起始值	0
终止值	100
初始值	0
行为	
拖动输入	标尺区域
通知	拖动时
标尺	
方向	垂直
类型	偏移
刻度数	10
刻度颜色	192; 192; 192
显示数值	是
起始留白	24
终止留白	24
背景	
背景类型	单色背景
背景色	240; 240; 240
背景图片	
游标	
游标类型	系统默认
游标图片	
游标方向	左/上
偏移	14
游标宽	24
游标高	24

Map 4-3 Properties window

1. Numerical

Start value: the value of the smallest scale, the starting position of the cursor. Termination value: the value of the largest scale, the cursor position is terminated. Initial value: initial cursor position. Figure 4-4 , The initial value of the cursor 20 .

Map 4-4 The initial value

2. behavior

Drag input: set whether to allow to drag, drag and allow dragging area, may be provided "prohibited", "ruler area", "Vernier zone" in FIG. 4-5 Fig.

Map 4-5 Drag input

A : Disabled, drag the slider ban

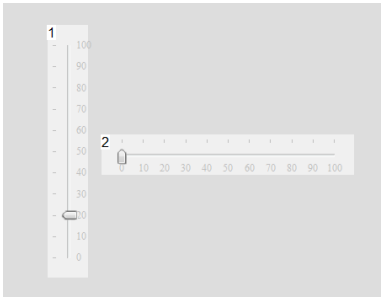
B : The scale area, the scale can slide the slider in the region.

C : Cursor region, the cursor can slide the slider in the region.

Notification: When setting upload notifications, you can set "while dragging", "time release", screen when a drag / release slider to upload data.

3. Staff

Direction: divided "Vertical" and "horizontal." FIG both orientations scale 4-6 Fig.

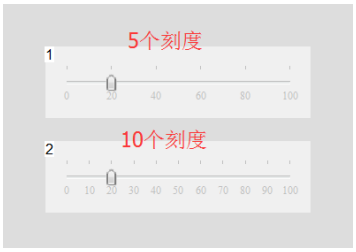


Map 4-6 direction

Scale Type: divided into "offset" and "center." Set "offset" offset to the side of the scale; Settings "centered" ruler center, as shown in 4-7 Fig.

Map 4-7 Scale type

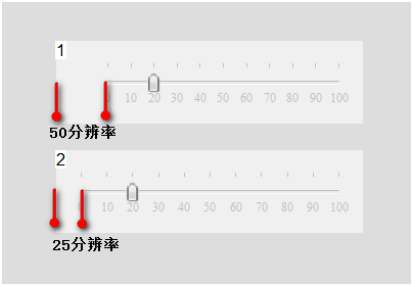
Scale: The number of scale on the scale. Figure 4-8 Shown, two controls were 5 Scales and 10 A scale, you can also make changes to the color scale.



Map 4-8 Graduation

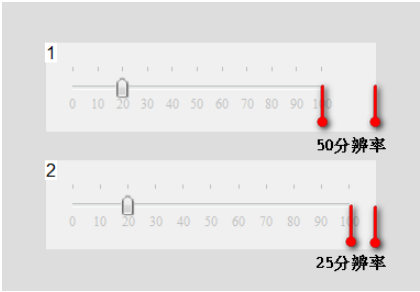
Numerical Display: whether to display the numbers on the scale, select "YES" or "NO."

Starting blank: the distance from the starting end of the scale of the left edge of the control, the cursor must not exceed the boundaries of the lower right slider upper left (including a transparent portion of the cursor). Figure 4-9 Shown, respectively, a starting blank 50 with 25 FIG resolution effect.



Map 4-9 Starting blank

Termination blank: the scale tip distance from the left edge of the control, the cursor must not exceed the boundaries of the lower right slider upper left (including a transparent portion of the cursor). Figure 4-10 Shown to terminate blank 50 with 25 Resolution renderings.



Map 4-10 Termination blank

4. background

Background Type: divided into "transparent", "monochrome background", "background image" three, including "monochrome background " You can set a custom background color, "background image" can set custom picture.

Map 4-11 Background type

5. cursor

Cursor types: divided into "default" and "Picture", where "pictures" can use a custom picture settings. Cursor direction: direction cursor "left / upper", "lower right", "both sides" three directions in FIG. 4-12 Fig.

Map 4-12 Cursor direction

Offset: offset distance vernier scale. Figure 4-13 As shown in, respectively, the offset 14 with 30 Resolution.

Map 4-13 Offset

Cursor width: the width of the cursor, can be customized. Vernier height must not exceed the boundaries of the slider control (including the transparent part of the cursor).

Vernier height: the height of the cursor, you can customize. Vernier height must not exceed the boundaries of the slider control (including the transparent part of the cursor).

4.3 Routine Operation

Note: This routine progress bar control and slider controls two controls inserted in a screen presentation.

1 , A new screen, provided a good background of the scene and in FIG. 4-14 Designated region shown a progress bar are inserted and a control slider control.

Map 4-14 Setting Screen

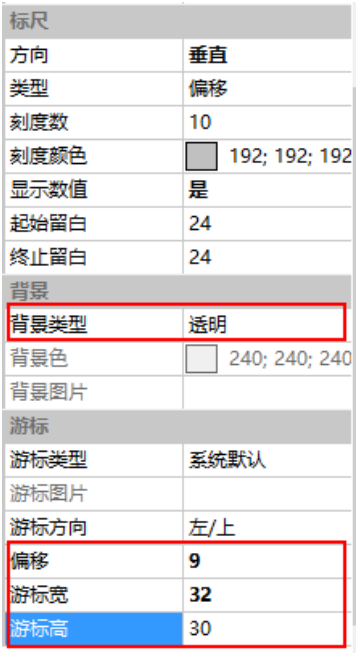
2 , Insertion and control the progress bar slider control, FIG. 4-15 Fig. Then each of the two control property is set.

Map 4-15 Insert Control

3 , Insertion of the progress bar control attribute setting: Data → terminal display; displaying the percent → "Yes"; transparent background type →

Map 4-16 Set progress bar control

4 , The inserted slider controls set the properties: → transparent background type; offset → " 9 "; Cursor width →" 32 "; High → Cursor" 30 ", Figure 4-17 Fig.



Map 4-17 Set the slider control

5 After compiling correct, simulate the effect of virtual serial port screen were tested. Figure 4-18 Fig.

Map 4-18 Virtual Serial Port screen