Technical Note

Slider control applications

Engineering notes

category	content
Key words Serial screen slider control configuration controls	
Summary	

revise history

version	date	the reason	prepared by	Examine
V1.0	2016/2/20	Create documents	Chien	
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table of Contents

1. Scope

Documentation for budget, basic, business type, object linking, 86 Serial screen box series products.

2. Development Environment version

1. VisualTFT Software version: V3.0.0.749 And above; versions View: (1) Open the software, the software version number displayed in the lower right corner. (2) turn on 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

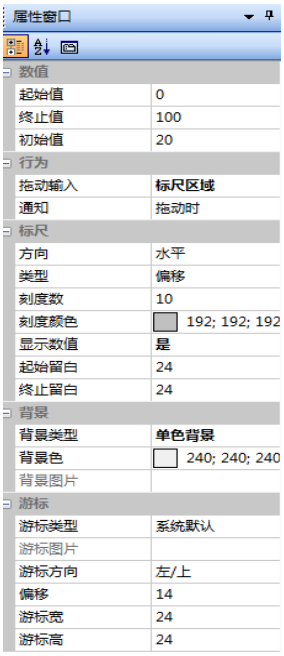
2. Serial screen hardware version: V2.22.915.XXX And above. View version:

(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. Properties window

Slider control, by dragging the slider, may control the external apparatus, such as a lamp brightness control, controlling the rotational speed of the motor, as shown in 3-1 Properties Window shows the slider control.



Map 3-1 Properties window

1. Numerical

1) Start value: the value of the smallest scale.

2) Termination value: the scale of the maximum value.

3) Initial value: the value of a start cursor is located. Figure 3-2 , The cursor is a start instruction value 20 The initial value will be 20 .

Map 3-2 The initial value

2. behavior

1) Drag input: You can set whether or drag the slider. Classified as "prohibited", "regional scale", "cursor area." Figure 3-3 Fig.

Map 3-3 Drag input

A : Forbid, prohibit drag the slider.

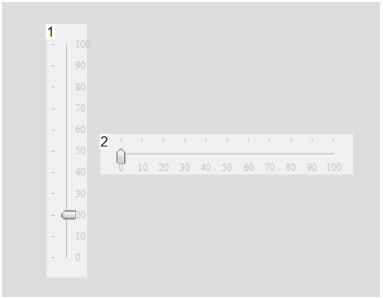
B : The scale area, the scale may slide within the slide area.

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

2) Notification: screen to upload data when you drag the slider.

3. Staff

1) Directions: into "vertical" and "horizontal." FIG both orientations scale 3-4 Fig.



Map 3-4 direction

2) Scale Type: divided into "offset" and "center." Set "offset" offset to the side of the scale; Settings "centered" ruler center. Figure 3-5 Fig.

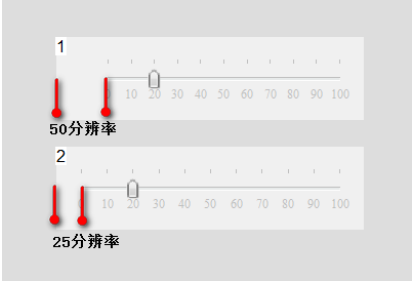
Map 3-5 Scale type

3) Scale: The number of scale on the scale. Figure 3-6 Shown, two controls were 5 Scales and 10 Scales. It also can make changes to the color scale.

Map 3-6 Graduation

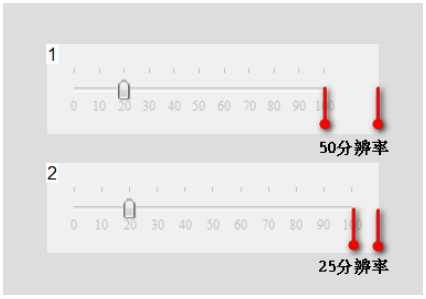
4) Numerical Display: digital display on a scale, select "YES" or "NO."

5) Starting blank: beginning from the edge of the ruler from. Figure 3-7 Shown, respectively, a starting blank 50 with 25 Resolution.



Map 3-7 Starting blank

6) Termination blank: the distance from the terminal edge of the ruler. Figure 3-8 Shown, terminate blank 50 with 25 Resolution.



Map 3-8 Termination blank

4. background

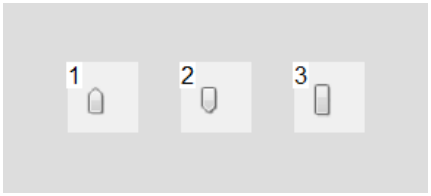
Background Type: divided into "transparent", "monochrome background", "background image", "default" are four which "monochrome background" to set a custom background color, "background image" can set a custom picture, Figure 3-9 Fig.

Map 3-9 Background type

5. cursor

1) Cursor types: divided into "system" and "picture", where "pictures" can use a custom picture settings.

2) Cursor direction: direction cursor "left / upper", "lower right", "both sides" three directions in FIG. 3-10 Fig.



Map 3-10 Cursor direction

3) Offset: offset distance above the scale cursor. Figure 3-11 As shown in, respectively, the offset 14 with 30 Resolution.

Map 3-11 Offset

4) Cursor width: the width of the cursor, can be customized.

5) Vernier height: the height of the cursor, you can customize. Vernier height can not exceed the boundaries of the slider control.

4. Function example

4.1 Examples of operation

Note: This routine uses the slider control is inserted in a screen presentation.

1 , A new screen, provided a good background of the scene and in FIG. 4-1 Labeled regions illustrated are inserted into a slider control.

Map 4-1 Setting Screen

2 , Insertion slider controls as 4-2 Fig.

Map 4-2 Insert Control

3 , The inserted slider controls set the properties: → transparent background type; offset → " 9 "; Cursor width →" 32 "; High → Cursor" 30 ", Figure 4-3 Fig.

背景	
背景类型	透明
背景色	240; 240; 240
背景图片	
游标	
游标类型	系统默认
游标图片	滑块游标-40X35.png
游标方向	左/上
偏移	9
游标宽	32
游标高	30

Map 4-3 Set the slider control

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

Map 4-4 Virtual Serial Port screen

4.2 Update command analysis

Command is used to control the cursor display position of the slider, the user can send the appropriate host cursor forced display instruction control in one position.

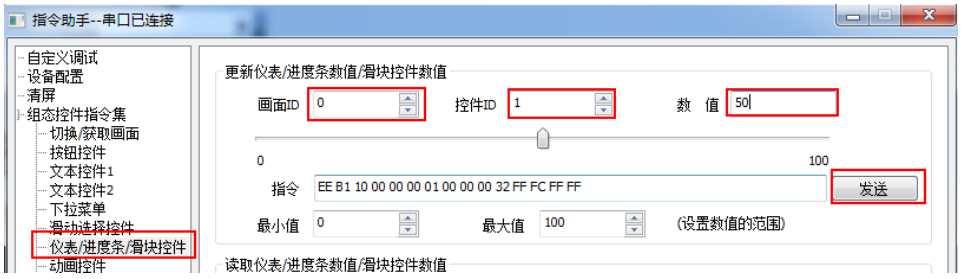
Format: EE [B1 10 Screen_id Control_id Slidervalue] FF FC FF FF

Parameter Description: Screen_id (2 Bytes): Screen Number

Control_id (2 Bytes): Control Number

Slidervalue (4 Bytes): new cursor value, for example: the screen ID0 , Slider controls (ID 1) send 50 , As follows: assistant opening command selection screen ID , Control ID , Enter the value 50 Automatically generating instructions, instruction FIG. 4-5

Below:



Map 4-5 Slider update instruction value

4.3 Read command parsing

This command is used to acquire the value of the current cursor. Format: EE [B1 11 Screen_id Control_id] FF FC FF FF

Parameter Description: Screen_id (2 Bytes): Screen Number

Control_id (2 Bytes): Control Number

Command generation as follows: assistant opening command selection screen ID , Control ID Automatically generating instructions, instruction FIG. 4-6 Fig.

Map 4-6 Slider read instruction value