

category	content
Key words	RTC Controls Controls serial configuration summary
screen	



revise history

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Sales and Service

Guangzhou color Optoelectronics Technology Co., Ltd.

phone: 020-82186683

fax: 020-82187676

Email : hmi@gz-dc.com (Public Service) website: www.gz-dc.com

Address: Guangzhou High-tech Industrial Development Zone, Yushu Industrial Park, Beverly West 8 number C Building

303 Housing official website Taobao retail shop: <https://gz-dc.taobao.com>



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1. Scope

Documentation for budget, basic, business type, object linking, 86 box series serial-screen 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: V2.22.870.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

RTC is a frequently used controls on the screen serial port, which can be used to display the time and time format support customer-defined, the other RTC Control use can also be used as a timer, shown in Figure 3-1.



Figure 3-1 Properties Window

1 Format: click format shown in Figure 3-2, there 9 Formats to choose from.

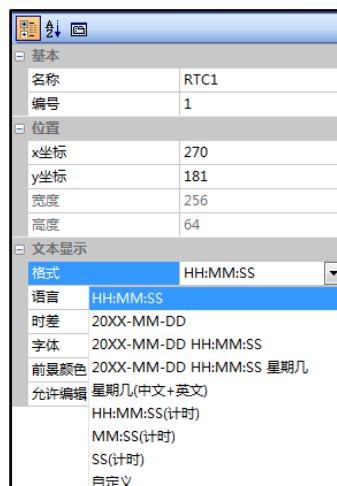


Figure 3-2 Format

Figure 3-3 shows a conventional display format. The last three formats is timed format, you can set the countdown timer or shun.

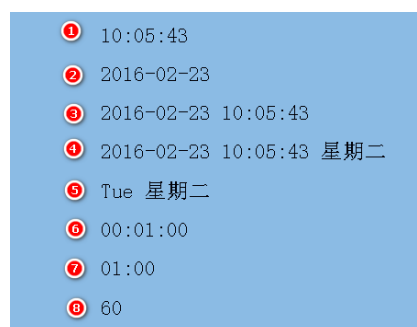


Figure 3-3 RTC style

- a . HH : MM : SS Hours, minutes and seconds;
- b . 20XX-MM-DD Display the year, month and day number;
- c . 20XX-MM-DD HH : MM : SS Display year, month, number of days, hours, minutes and seconds;
- d . 20XX-MM-DD HH : MM : SS Week display date, time and day of the week;
- e . Day of the week (Chinese + English) show the week of Chinese and English;
- f . HH : MM : SS A timing countdown hours can be recorded;
- g . MM : SS For timing, the countdown minutes can be recorded;
- h . SS For timing can be recorded second countdown;
- i . Custom format. E.g 20XX-MM-DD HH: MM: SS The format is:
% Y-% n-% d% h:% m:% s (Year =% h Month =% d Japanese =% d , % h , Sub =% m , % S = s , % = Week w) . 3-4 shown in FIG.



FIG custom RTC 3-4

- 2 , Time length: counting the time, in seconds. Properties shown in Figure 3-5.

文本显示	
格式	HH:MM:SS(计时)
计时长度	60
显示方式	倒计时
字体	ASCII-32*64
前景颜色	0; 0; 0

Figure 3-5 the length is provided

- 3 Display: cis countdown timer, attribute shown in Figure 3-6.

显示方式	倒计时
字体	倒计时
前景颜色	顺计时

Figure 3-6 shows the manner

- 4 Font: set the font style and size. Figure 3-7 shows the properties.

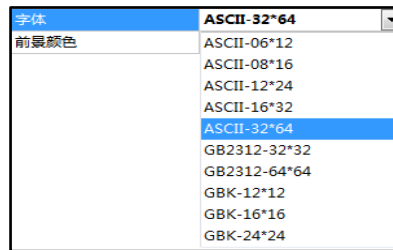
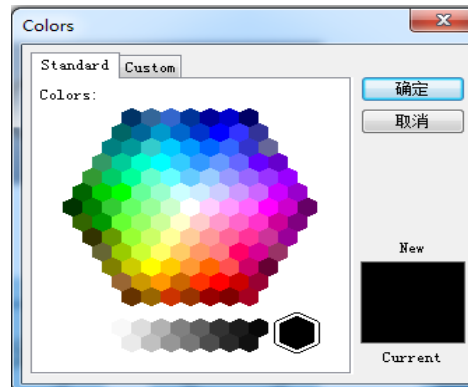


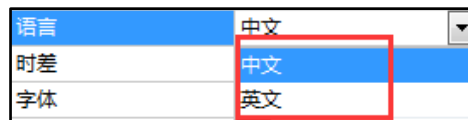
FIG font settings 3-7

5 , Foreground color: color of the font. Figure 3-8 shows properties.



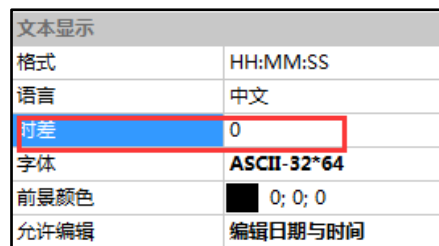
Color settings Figure 3-8

6 Language: Chinese and English. Properties Figure 3-9 Fig.



Map 3-9 Language settings

7 , Difference: the difference between the current system time, the range of $[-12 + 12]$. Figure 3-10 Fig.



Map 3-10 Set the time difference

8 Allowing Editor: No, editing date and time, date editing, editing time four options to choose from.

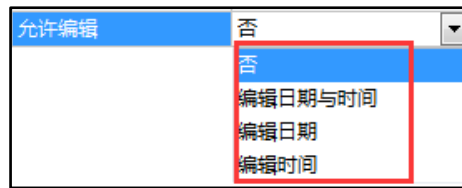
a) No: do not allow for editing;

b) Editing date and time: allows you to edit the date and time;

c) Edit Date: only allows you to edit the date;

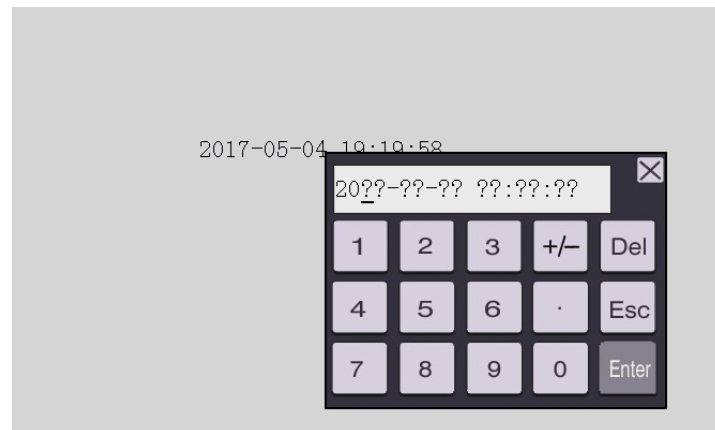
d) Editing time: only allows editing time. When the press RTC Display area 3 After seconds, the system displays the date / time settings,

setting as 3-11 Fig.



Map 3-11 Allows editing

Press RTC After three seconds area will pop up a keypad for the user to modify, as shown in 3-12 Fig.



Map 3-12 Edit Date and Time

4. Function example

Here operating a RTC Timing function. First insert the RTC Controls need to use co-button control, from the instruction Assistant recall RTC Timing instruction set internal command button control, can RTC Timing control is controlled.

1 , A new screen, provided good background screen, shown in Figure 4-1.

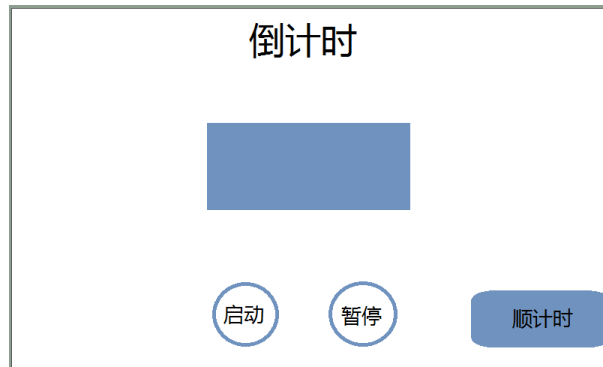


Figure 4-1 New Screen

2 , Is inserted in a corresponding region of the screen RTC Controls, two control buttons, shown in Figure 4-2.



Figure 4-2 Insert Control

3 Set just inserted RTC Properties window control: Format → MM:SS (Timing), font → ASCII-32 * 64 , Shown in Figure 4-3.

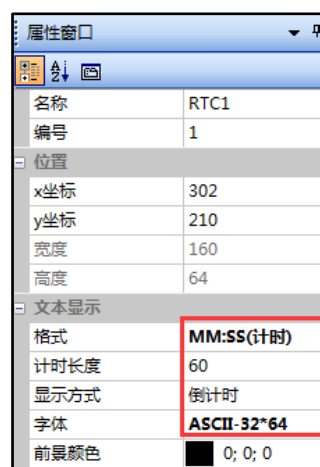


FIG. 4-3 RTC properties window

4 Open the command assistant, click RTC Clock control, input current screen ID And Controls ID , Call up the Control RTC

Countdown start instruction, copy down, shown in Figure 4-4.

5 , Calling instructions to start the timer EE B1 41 00 00 00 01 FF FC FF FF; among them, EE Expressed header, B1 41

It represents the command to start the timer, 0000 Shows a screen number, 0001 It represents a control ID , FF FC FF FF It denotes frame end.

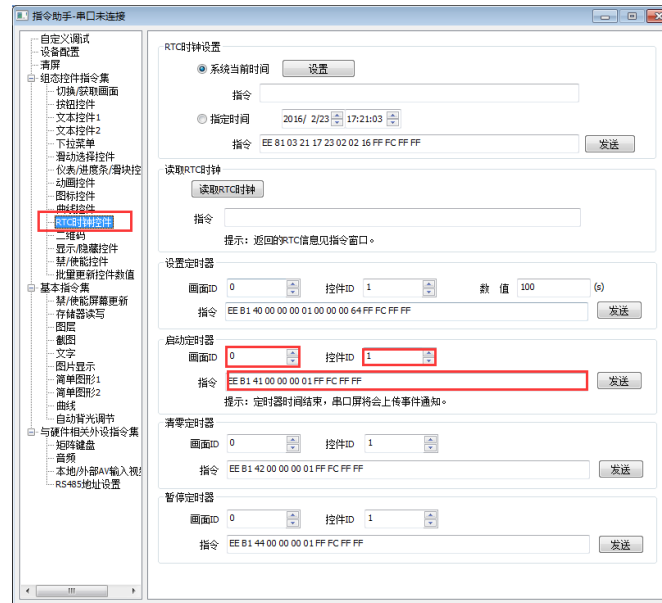


Figure 4-4 recall instruction for starting the timer

6 Set "start" icon property window control button, just copied from the copy instruction Assistant down instruction command is pressed to the inner

box, shown in Figure 4-5.



Figure 4-5 Properties window button control

7 , Or open instruction assistant, click RTC Clock control, input current screen ID And Controls ID , Call up the Control RTC

RTC Countdown pause instruction, copy down, shown in Figure 4-6.

8 , Calling instructions to start the timer EE B1 44 00 00 00 00 01 FF FC FF FF; among them, EE Expressed header, B1 44

It represents the pause timer instructions, 0000 A screen ID , 0001 It represents a control ID , FF FC FF FF It denotes frame end.

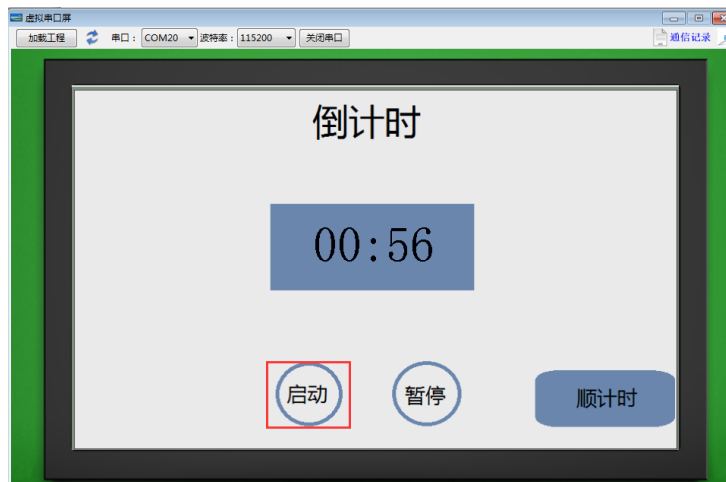


Figure 4-8 screen virtual serial port