

VisualTFT screen with virtual serial port communication line

Version: V1.0

version	description	date	Examine
V1.0 create a document		<u>2014-05-18</u>	Li Yong

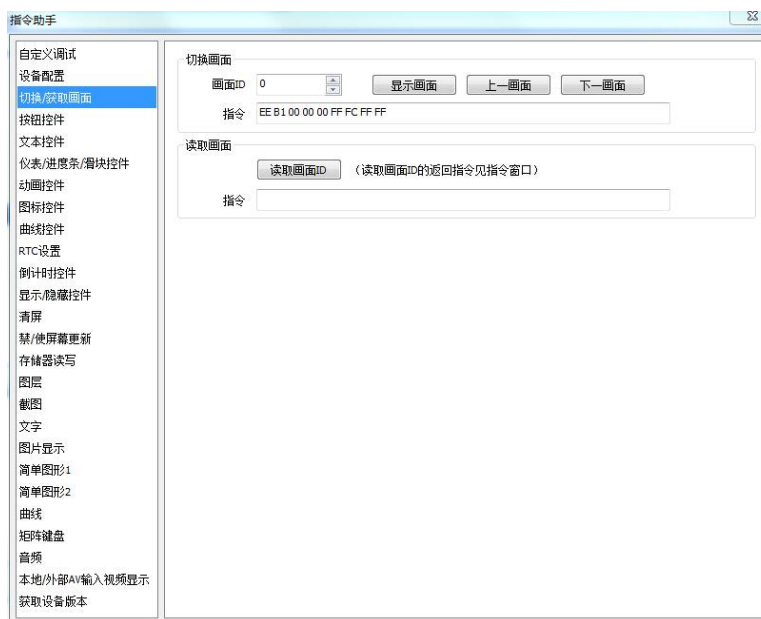
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The first 1 chapter VisualTFT Software and "Virtual Serial Port screen" Online Communication

1.1 Outline

In the actual debugging process, if there is no hardware or microcontroller program on hand to show us always wrong, then we need to understand the test alone or an instruction to use and display, you can VisualTFT PC and "Virtual Serial Port screen" Online up by software built-in "instruction assistant" to send commands to control a "virtual serial port screen" display. "Instruction assistant" and "Virtual Serial Port screen" are shown in Figure 1.1 And 1.2 Fig.

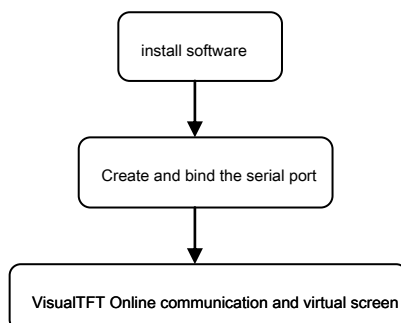


Map 1.1 Assistant displays instructions



Map 1.2 Virtual serial port interface screen display

1.2 Operating procedures



1.2.1. Preparation software tools

1. Virtual serial port VSPXD software.
2. VisualTFT software. the above 2 Software can be downloaded or contact the appropriate sales staff directly on our official website.

1.2.2 Software Installation

1. installation VisualTFT software.
2. Install a virtual serial port VSPXD software.

(1) Decompression "Virtual Serial Port VSPXD Software ", run the executable file" VSPDXP.exe "Figure 1.3 Fig.



Map 1.3 VSPXD Setup

(2) Choose the default installation path, click Next, until the installation is completed, as shown in 1.4 Fig.



Map 1.4 The installation is complete

(3) After successful installation, the desktop appears virtual serial port software icon as 1.5 Fig. Then see "Essentials" file, to ensure their normal operation.

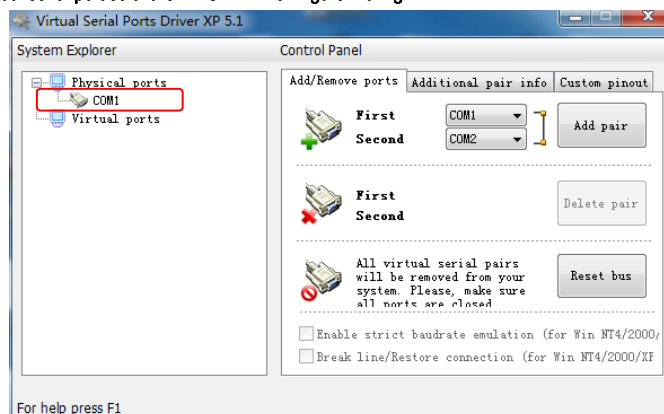


Map 1.5 Desktop icon display

1.2.3 create 1 Virtual serial port and bind

Binding 1 After a virtual serial port, so that instruction assistants can communicate directly with the virtual serial port screen.

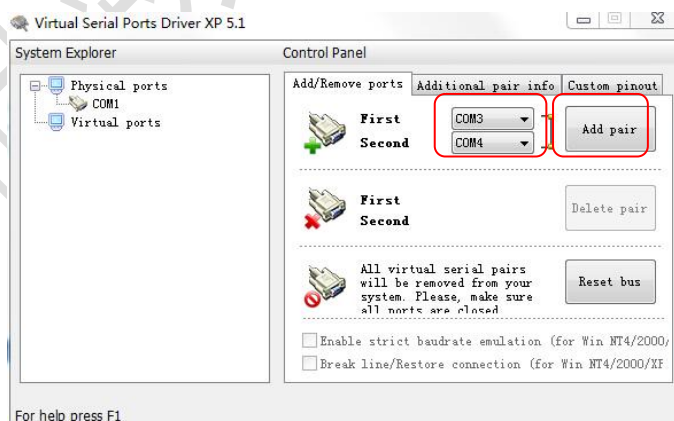
1. Open Desktop virtual serial port software. " VSPD XP 5 "Figure 1.6 Fig.



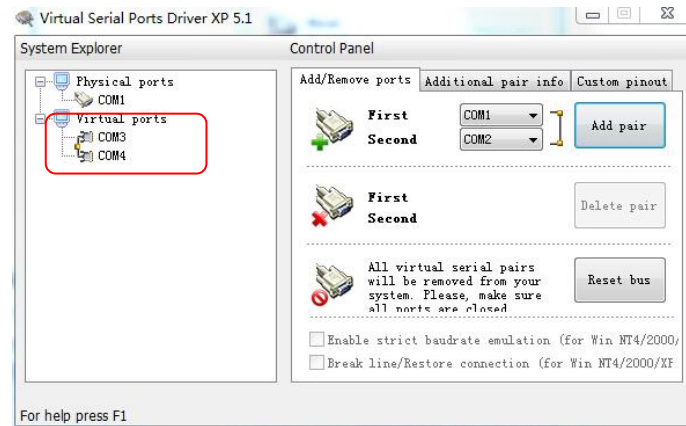
Map 1.6 turn on VSPD software

Upper left corner of the interface physical ports Directory indicates the current physical computer hardware serial port. Note: the physical hardware connected to the serial port can not match the virtual serial port channel.

2. Build and bind 1 To virtual serial port. Figure 1.7 Shown in FIG. First Menu, select COM3 , Second select COM4 ,then click Add pair , at this time Virtual ports This directory will appear 1 Bound to the serial port, as shown in 1.7 Map 1.8 Fig.



Map 1.7 Channel Bonding

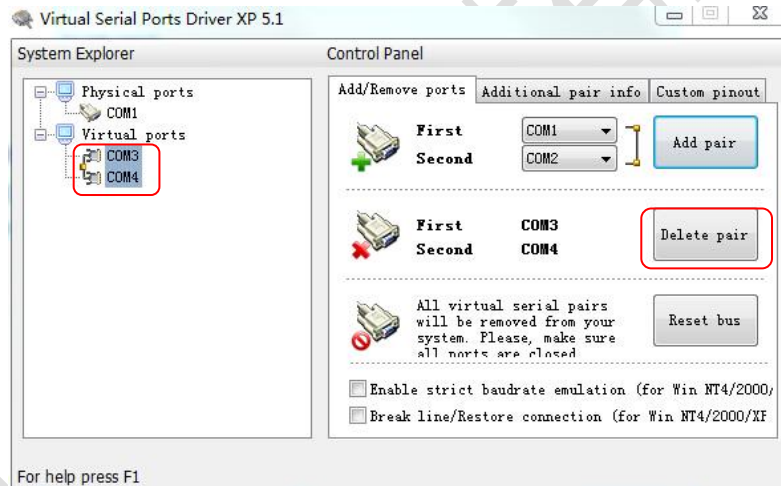


Map 1.8 To generate a virtual serial port

3. Delete virtual serial port channel.

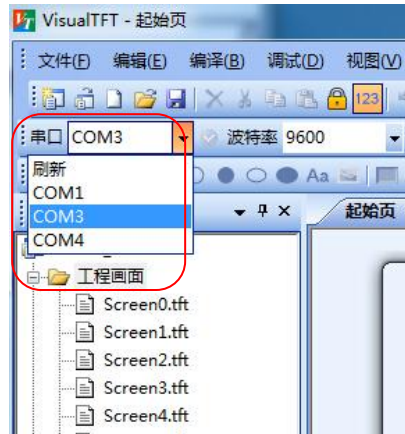
If you need to delete a virtual serial port, simply select the corresponding virtual serial port, and then click Delete pair To delete, as 1.9

Fig. This step is no need to operate.



Map 1.9 To delete a virtual serial port

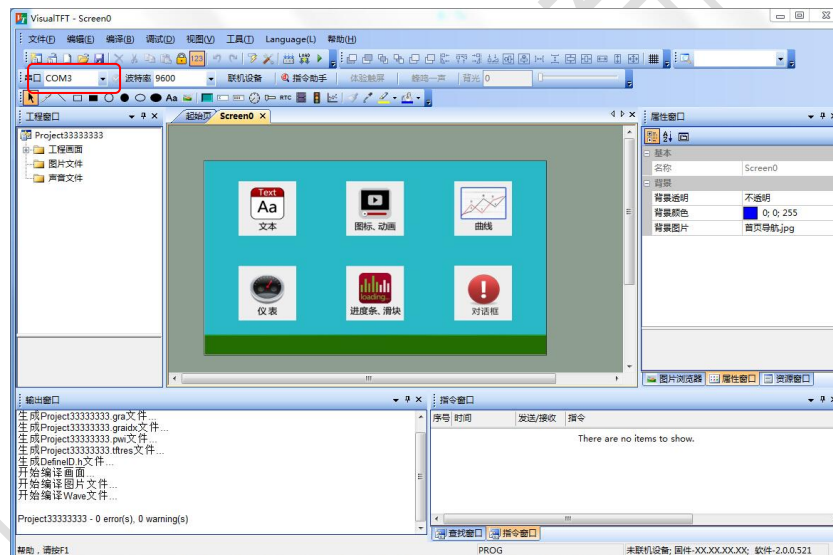
4. View virtual serial port. turn on VisualTFT Software, click on the serial refresh, the channel will be added COM3 with COM4 Two options, this time on behalf of virtual serial ports created.



Map 1.10 View virtual serial port

1.2.4 Assistant using the command screen with virtual serial communication

1. New or Open 1 A current VisualTFT engineering. select COM3 , As 1.11 Fig.



Map 1.11 turn on VisualTFT software

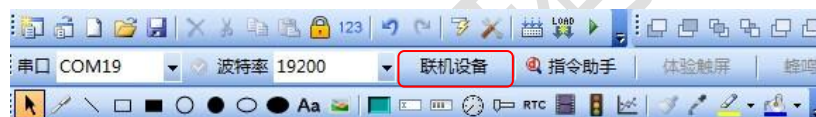
2. Run virtual serial port screen. Open the virtual serial port screen, select the serial port channel COM4 , Open the serial port is enabled, FIG. 1.12
Fig. such VisualTFT of COM3 Screen and virtual serial port COM4 You can match.



Map 1.12 Set up virtual serial port channel

3. Line equipment. Click under VisualTFT Toolbar "on-line device", VisualTFT Screen with virtual serial port handshake authentication, verification after successful command window prompts the connected device, as 1.14 Fig.

Tip Description: Using a virtual serial port connection screen when the baud rate option not worry about the internal system to match.

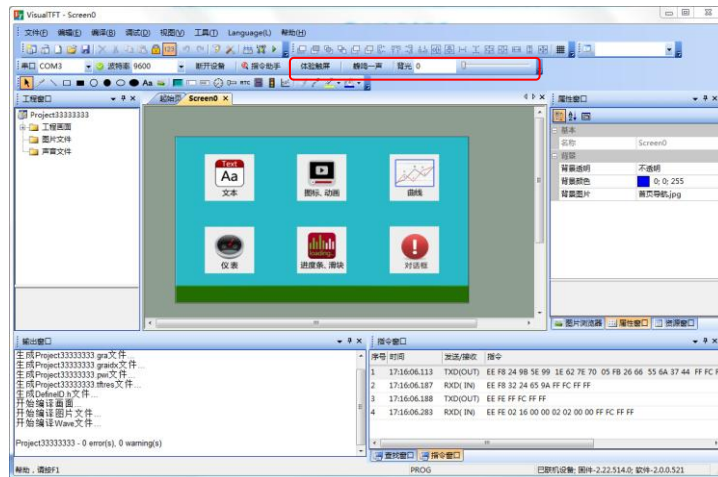


Map 1.13 Equipment Online



Map 1.14 Online success

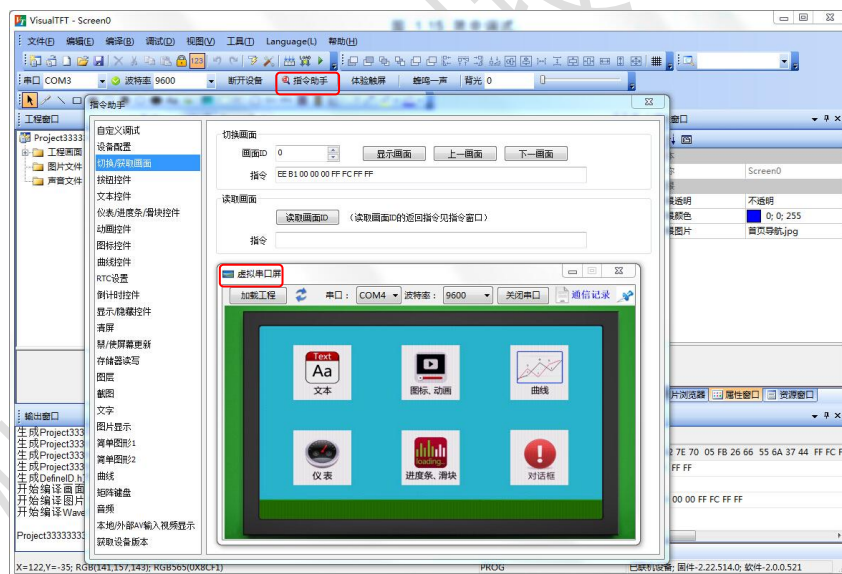
4. Start debugging. Figure 1.15 As shown, the user can "touch experience", "beep" and "backlight adjustment" toolbar simple test. At this point what instructions to send instructions assistant, virtual serial port on the implementation of the corresponding instruction screen display, user-friendly method to quickly master the use and operation instructions.



Map 1.15 Simple debugging

5. Debugging with the assistant and virtual serial command screen.

VisualTFT Internal 1 Instruction assistant, which contains all of the operating screen instructions to facilitate the users to quickly familiar with the instructions and verify operation. Click on the navigation bar of the "instruction assistant" icon, pop up window, the user can select various commands to send and display experience, as 1.16 Fig.



Map 1.16 Assistant virtual serial port control instruction screen

The first 2 chapter Notices and Services

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we will promptly correct and improve.