# How large color screen serial port baud rate modification

| category | content |
|---|---|
| Key words | Serial port baud rate screen |
| Summary | |

**revise history**

| version | date | the reason | prepared by | Examine |
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table of Contents

# 1. Scope

Documentation for budget, basic, business type, object linking and other serial-screen products.

# 1. Scope

## 2. Development Environment version

### 2.1 VisualTFT Software version: V3.0.0.827 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 http://www.gz-dc.com/ Download



### 2.2 Serial screen hardware version: V2.22.959.XXX And above

View version: (1) Check the version number sticker on the back screen

(2) VisualTFT The version number of the screen after a successful connection, the lower right corner of the display

## 3. Functional Overview

The baud rate is the rate at the time of a microcontroller or computer serial communication, refers to a change in a unit time after the signal is

modulated, i.e., carrier frequency and time parameters of the unit. The higher the Baud rate, the faster the transmission rate, the baud rates commonly used 1200

, 2400 , 4800 , 9600 , 9200 Wait.

Large color screen supports serial port baud rate range 1200 - 2000000 Users can modify the serial port baud rate screen according to their needs. If

the serial port is PC Own COM Mouth, can only reach the maximum baud rate 115200 If you use greater than 115200

The high baud rate communication, make sure the hands of USB To serial cable is supported, otherwise once the setting changes, and serial screen PC Online

software can not be normal.

## 4. Technical realization

Large color screen serial port baud rate can be modified in three ways: serial, USB line, SD card.

### 4.1 Serial port baud modified online

### 4.1.1. Scope

Serial port baud rate applicable to online modification can be online through the serial port and serial port software screen, such as economic, commercial type, basic, NANO Type.
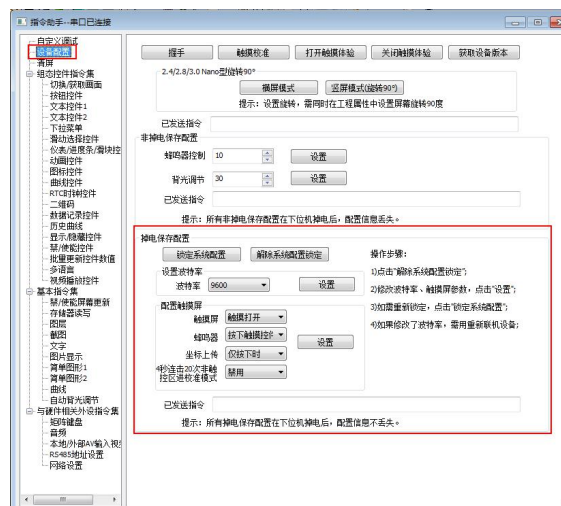
### 4.1.2 Implementation steps

1 , After the success of software screen and serial port connection, the upper left corner displays the current baud rate, as 4-1 Fig.
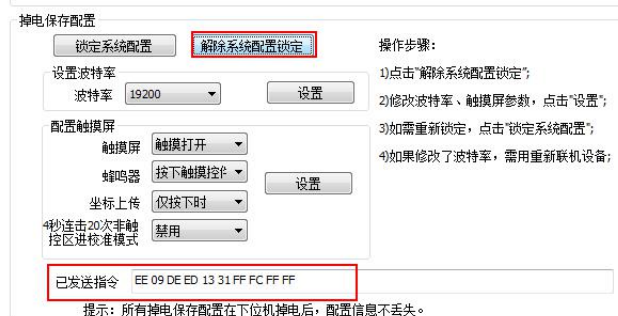


Map 4-1 Baud rate modification ago

2 Open the command assistant, click on the "Device Configuration", then enter the device configuration interface, map 4-2 Fig.



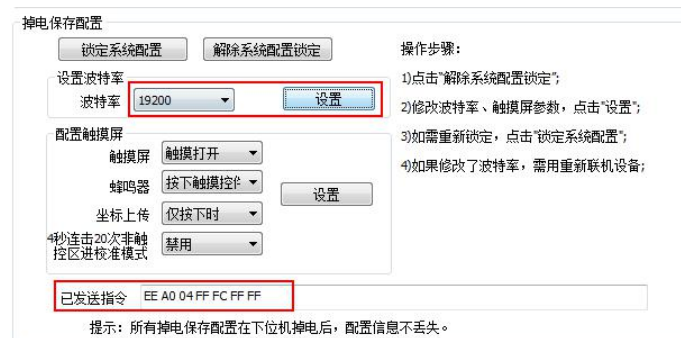Map 4-2 Device configuration interface

3 , To be released before modifying the default configuration, click on the "Release System Configuration" command assistant will send the corresponding commands. NANO Type serial port baud rate of screen factory 115200 Other models screen factory serial port baud rate of 19200 .



Map 4-3 Lift system configuration baud rate

4 , Change the baud rate, the baud rate may be modified in the range of 1200-2000000 Click "▼", select the corresponding baud rate, click "Settings."

For example, select a baud rate 19200 Click "Settings" command assistant send the corresponding commands.



Map 4-4 Change the baud rate

5 If necessary re-lock, click on the "System configuration is locked."



Map 4-5 Lock Baud Rate

**6 After completion of the above steps, back online, then the baud rate is 19200 , As 4-6 Fig.**
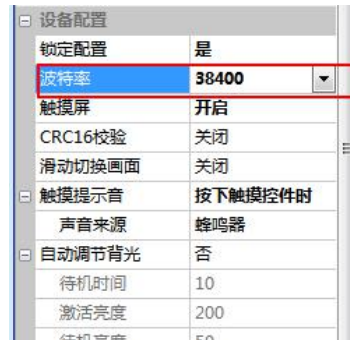


Map 4-6 Modified baud rate

## 4.2 USB Download line engineering change the baud rate

## 4.2.1. Scope

USB Download line engineering change the baud rate applicable to hardware configuration USB Serial interface screen, for example basic, business

type with shell series.

### 4.2.2 Implementation steps

1 , Create a new project, the baud rate is set to the desired baud rate, to modify the baud rate is 38400 For example, in the Project Properties window,

select the baud rate is 38400 , As 4-7 Fig.

Map 4-7 Project Properties Configuration

2 , After the project is built correctly, just click " LOAD "At this point the screen through the serial port USB Download Line project.



Map 4-8 Compile Project Download

3 After the download is complete, the serial screen and software online, this time for the baud rate 38400 .



Map 4-9 Baud rate revised

## 4.3 SD Download engineering change the baud rate card

## 4.3.1 Scope

SD Download the project card change the baud rate applicable to hardware configuration SD Serial screen deck, for example economic, with a shell,
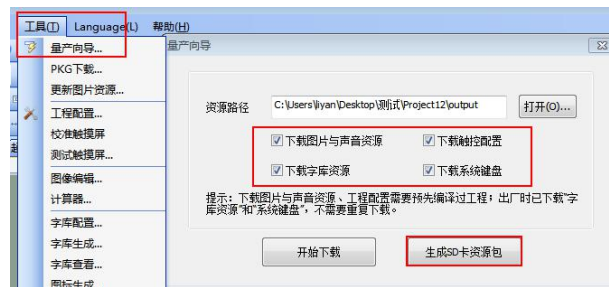
was linked like.

### 4.3.2. Implementation steps

1 , Create a new project by the Project Properties window, configure the baud rate 115200 .
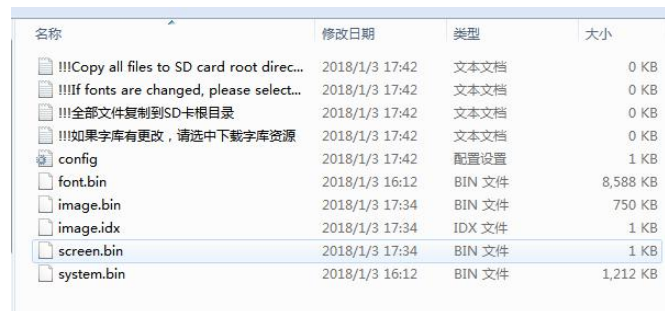


Map 4-10 Project Properties Configuration

2 , After compiling correct, by the tool - production wizard, generate SD Card resource package, as 4-11 .
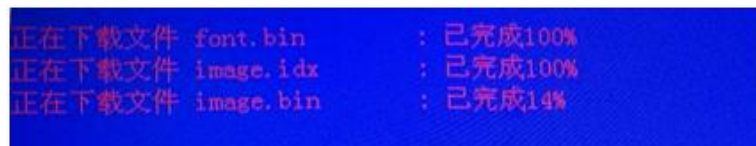


Map 4-11 SD Card Resource Kit

3 ,will SD Card resource package all the files, copied to SD , Pay attention SD Card is formatted as FAT32 mode.
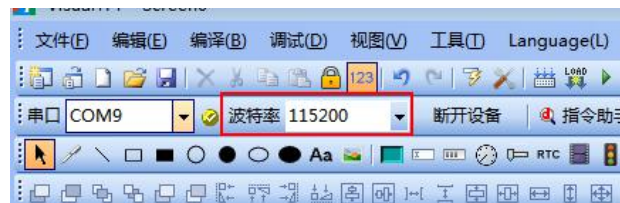


Map 4-12 Copy files

4 ,will SD Serial card is inserted into the screen deck, serial screen is automatically updated after power-up, the screen will display the download progress.



Map 4-13 SD Card download progress

5 , SD After the update is complete card project, screen and software online serial baud rate after revision will be displayed.



Map 4-14 Baud rate revised