Write phone SN Tool User Manual

Vision 5.00.05

Content

1 Overview

The document introduces the basic functions and the usage of the Write phone SN tool, including the hardware install, the software install, troubleshooting etc.

2 Hardware installation

- PC with Windows installed.
- The laser scanner.
- The fixture for downloading.
- The line used for downloading.

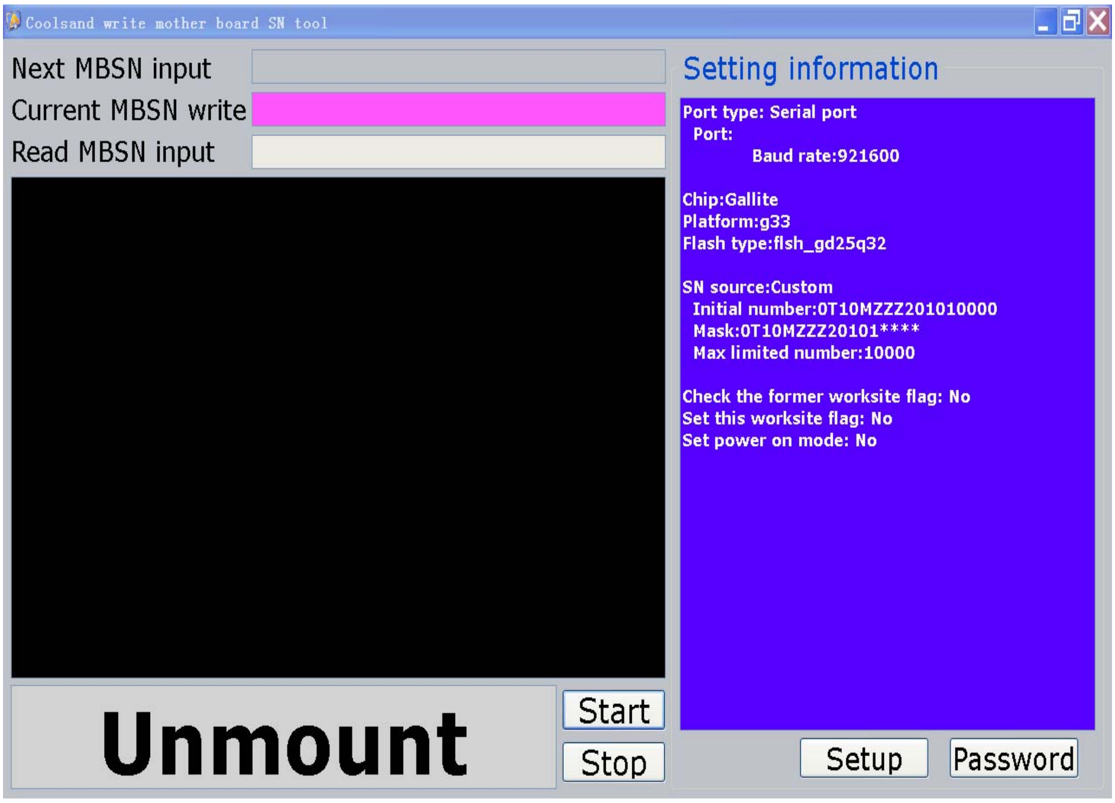
3 Software installation

3.1 Software requirement

Above Windows 2k or Windows xp , Write phone SN tool, MS Excel.

3.2 The main interface

Click “Start->Coolsand mobile telephone product line tool->Write phone SN tool”, Then the main interface is shown as the figure 1:

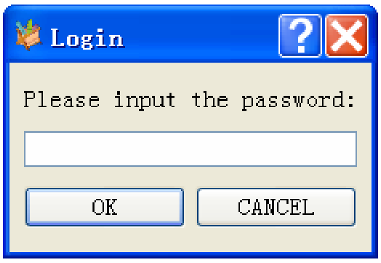


```
Port type: Serial port
  Port:
          Baud rate:921600

Chip:Gallite
Platform:g33
Flash type:flsh_gd25q32

SN source:Custom
  Initial number:0T10MZZZ201010000
  Mask:0T10MZZZ20101****
  Max limited number:10000

Check the former worksite flag: No
Set this worksite flag: No
Set power on mode: No
```

Figure 1

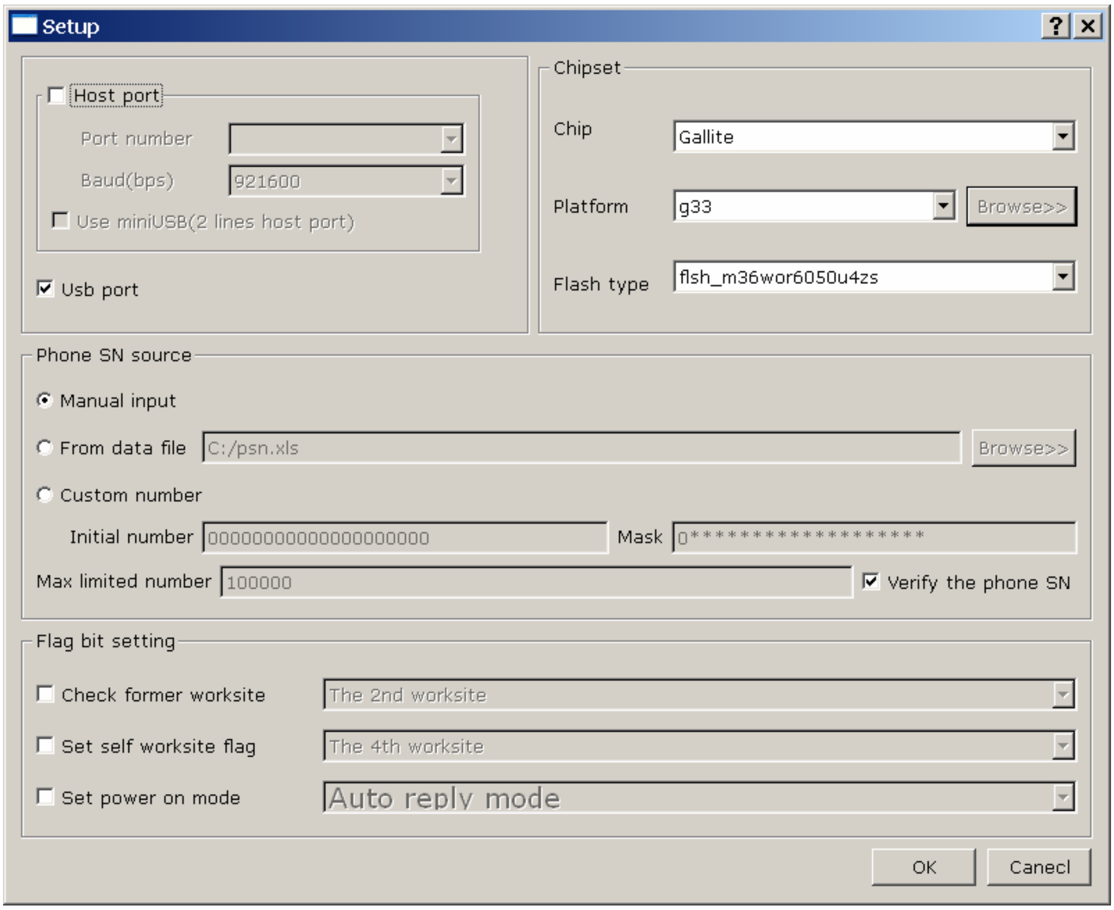
3.3 Related setting

Click the setup button at the bottom left corner, and then the login dialog appears (Figure 2). After inputting the correct passsword, the setup dialog will appear(Figure 3).


Login

Please input the password:

Figure 2


Setup

☐ Host port
Port number:
Baud(bps): 921600
☐ Use miniUSB(2 lines host port)
☑ Usb port

Chipset
Chip: Gallite
Platform: g33
Flash type: flsh_m36wor6050u4zs

Phone SN source
● Manual input
○ From data file: C:/psn.xls
○ Custom number
Initial number: 00000000000000000000
Mask: 0*******************
Max limited number: 100000
☑ Verify the phone SN

Flag bit setting
☐ Check former worksite: The 2nd worksite
☐ Set self worksite flag: The 4th worksite
☐ Set power on mode: Auto reply mode

Figure 3

After the setting of this dialog, there shows the setting information on the right side of the main UI (Figure 1).

3.3.1 Password setting

Press the password button at left bottom corner, the password dialog appears (Figure 4). After inputting the correct original password, the new password can be set.

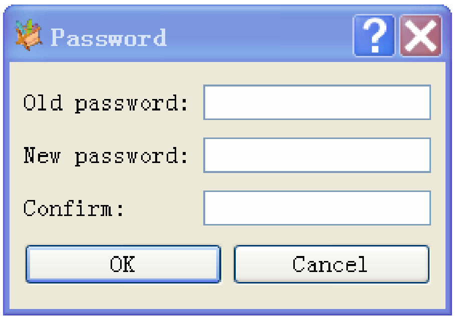
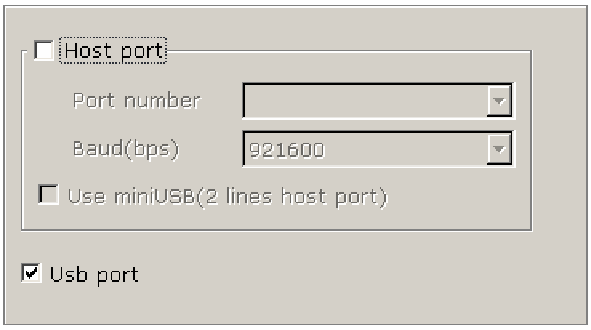


Figure 4

3.3.2 Download type

There is an area at the up of the setting dialog, which is used for choosing the download type .


☐ Host port

Port number

Baud(bps) 921600

☐ Use miniUSB(2 lines host port)

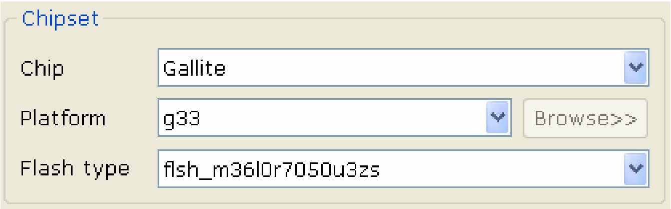
☑ Usb port

Figure 5

Setting the serial port is base on the port connected with the fixture. Choose 921600 for the baud setting.

3.3.3 Target

There is an area at the right up of the setting dialog, which is used for choosing the target type (Figure 6).You'd better choose the very type of chip model here. After the chip model is chosen, the flash list will be updated to the corresponding flash types. Choose the flash type used here.
If the user did not use the standard design provided by Coolsand, They can select “Others” item in “Platform” Combobox, and click the “Browse>>” button to select a special flash programmer file (*_ramrun.lod) for the mobile phone.


Chipset

Chip Gallite

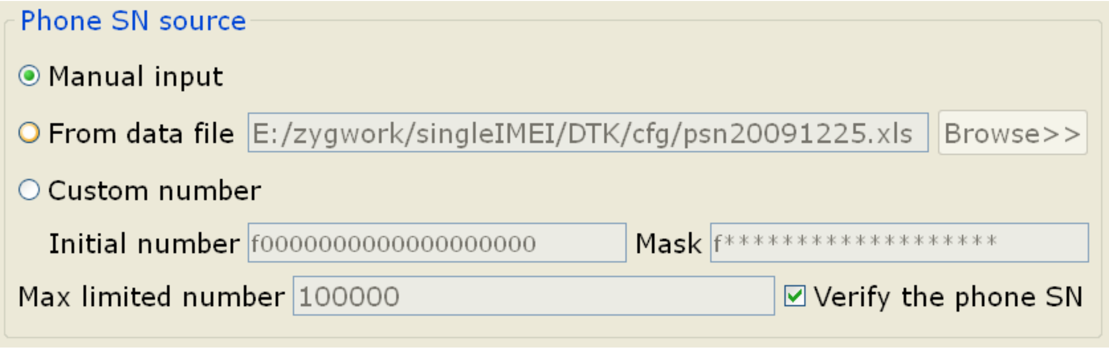
Platform g33

Flash type flsh_m36l0r7050u3zs

Figure 6

3.3.4 The generation of Phone SN

There is an area at the middle of the setting dialog, which is used for setting the way of generating the Phone SN.



Phone SN source

● Manual input

○ From data file E:/zygwork/singleIMEI/DTK/cfg/psn20091225.xls

○ Custom number

Initial number f0000000000000000000 Mask f*******************

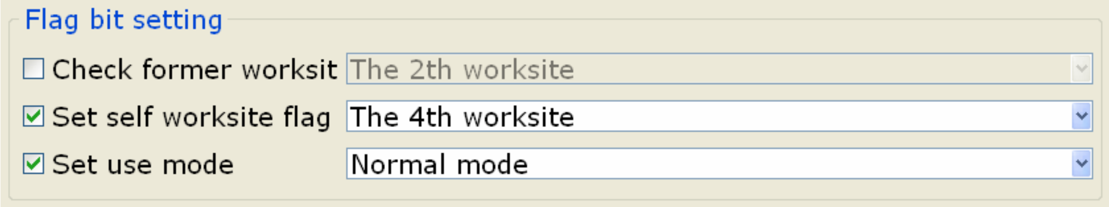
Max limited number 100000 ☑ Verify the phone SN

Figure 7

- Manual input is chosen to input the phone SN manually in the main interface.
- From data file is chosen to input the phone SN from a Excel file in which there must be a table called PSN and the phone SN numbers are listed in the first column.
- If Custom number is chosen, you have to input the initial phone SN in the Initial number and designate the position to be generated automatically in the mask. Attention: Initial number and mask must match and * represents the position to be generated automatically.
- Max limited number is used for From data file and Custom number. It means that you can’t add any phone SN when it has imputed that number of phone SN.
- If using the USB mode, you can't verify by reading the PSN

3.3.5 Flag setting

There is an area at the bottom of the setting dialog, which is used for setting the flags.



Flag bit setting

☐ Check former worksit The 2th worksite

☑ Set self worksite flag The 4th worksite

☑ Set use mode Normal mode

Figure 8

Check the check box if you want to choose anyone, and set the value at the following list.

Check former works: Check the complete flag of the former worksite on the product line. If the former worksite isn’t finished, the operation of the current worksite can’t begin. If the former is the first site, choose 0x01, while choosing 0x02 for the second, 0x04 for the third, and so on.

Set self worksite flag: This option is selected if setting the finished flag of the current worksite is needed. And then choose the flag. If it’s the first site, choose 0x01, while choosing 0x02 for the second, 0x04 for the third, and so on.

Set use mode: This option is selected if it needs to set the power on mode at the current worksite.

4 Use the Write Phone SN tool

4.1 Run the tool

Connect the fixture and the scanner with the PC. Click the icon to run the tool shown as figure 1.

4.2 Set the port

Set the port connected with the fixture and select a baud rate of 921600bps or choose to download by USB(Figure 5).
Attention: Phone SN Tool can remember the last setting of the port and baud. If the port and the type of the phone are not changed, it never needs to set again.

4.3 Choose the target

Choose the chip model and flash type shown as figure 6.
Attention: Phone SN Tool can remember the last setting of the chip model and flash type. If the port and the type of the phone are not changed, it never needs to set again.

4.4 Choose the way to generate the PSN

Choose the way to generate the PSN as figure 7.
Attention: Phone SN Tool can remember the way to generate the PSN. If the port and the type of the phone are not changed, it never needs to set again.

4.5 Set the flag

Set the flag as shown in the figure 8.
Attention: Phone SN Tool can remember the flag set. If the port and the type of the phone are not changed, it never needs to set again.

4.6 Input the PSN

Above operations are used to set the port, the baud, the flash type and the way to generate the PSN. It’s time to start downloading. If Manual input is chosen, you should input the PSN manually in the first line shown in the figure 9, or use the scanner to gather the input PSN(When using the scanner, the download process will be started after scanning if the character enter is added at the end of the PSN scanned.). Click the start button to start downloading. If either of the other two type is chosen, click the start directly. It will show the PSN written in the second line as shown in the figure 9. If Read the PSN Number is chosen as shown in the figure 7, it will show the PSN read from the phone in the third line.

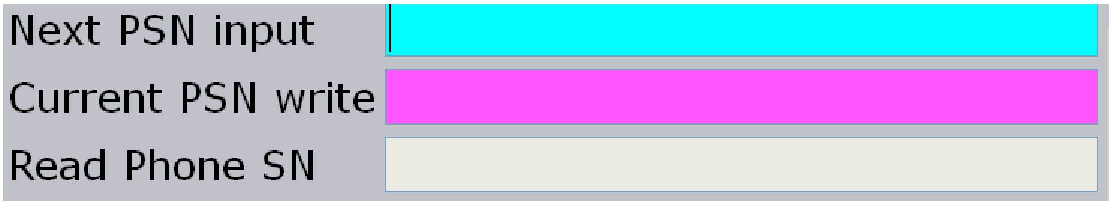
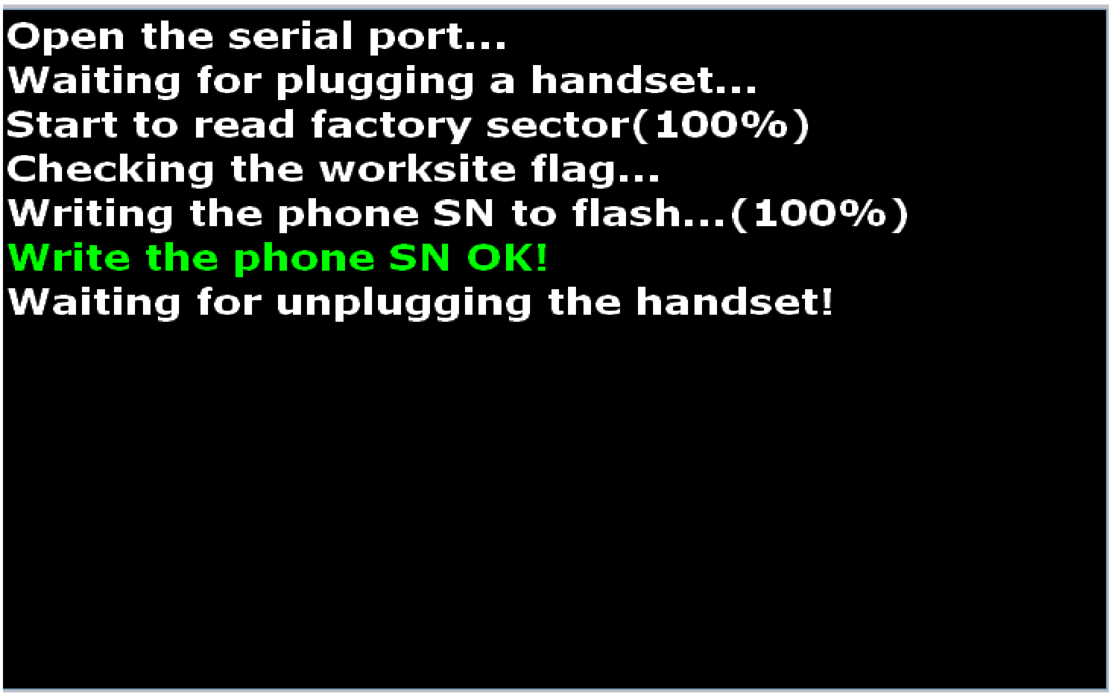


Figure 9

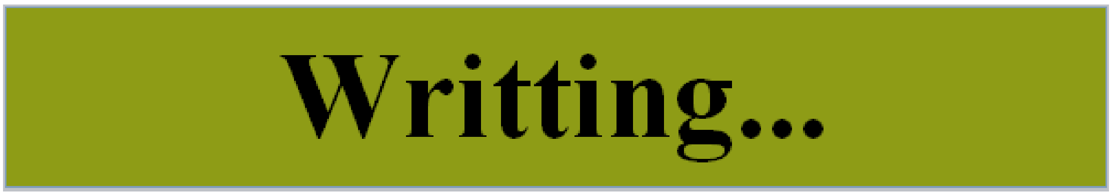
After starting the download process, the black area in the middle of the interface will update the information (shown in the figure 10) within the download progress. Please follow the prompt to plug and unplug the phone.



```
Open the serial port...
Waiting for plugging a handset...
Start to read factory sector(100%)
Checking the worksite flag...
Writing the phone SN to flash...(100%)
Write the phone SN OK!
Waiting for unplugging the handset!
```

Figure 10

The status bar at the bottom of the interface will also show Unmount (gray), Idle (white), Writting(bottle green), Finished (aqua) along the downloading process. It means writing shown as the figure 11.



Writting...

Figure 11

5 Troubleshooting

In the process of downloading, because of the hardware error or the operating error, the process may quit or stop. The user can do the following steps to restart the downloading:

1. Click the stop button to stop downloading.
2. Pull out the unfinished mobile and close the application.
3. Plug the phone again and open the application to restart the download process.
4. Make sure whether the configure file has the read-only attribute. Cancel the read-only attribute if it does.
5. If the above steps take no effect, please restart the Windows.