Write IMEI Tool User Manual

Vision 5.00.05

Content

1 Overview

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

2 Hardware installation

1. PC with Windows installed.
2. The laser scanner.
3. The fixture for downloading.
4. The line used for downloading.

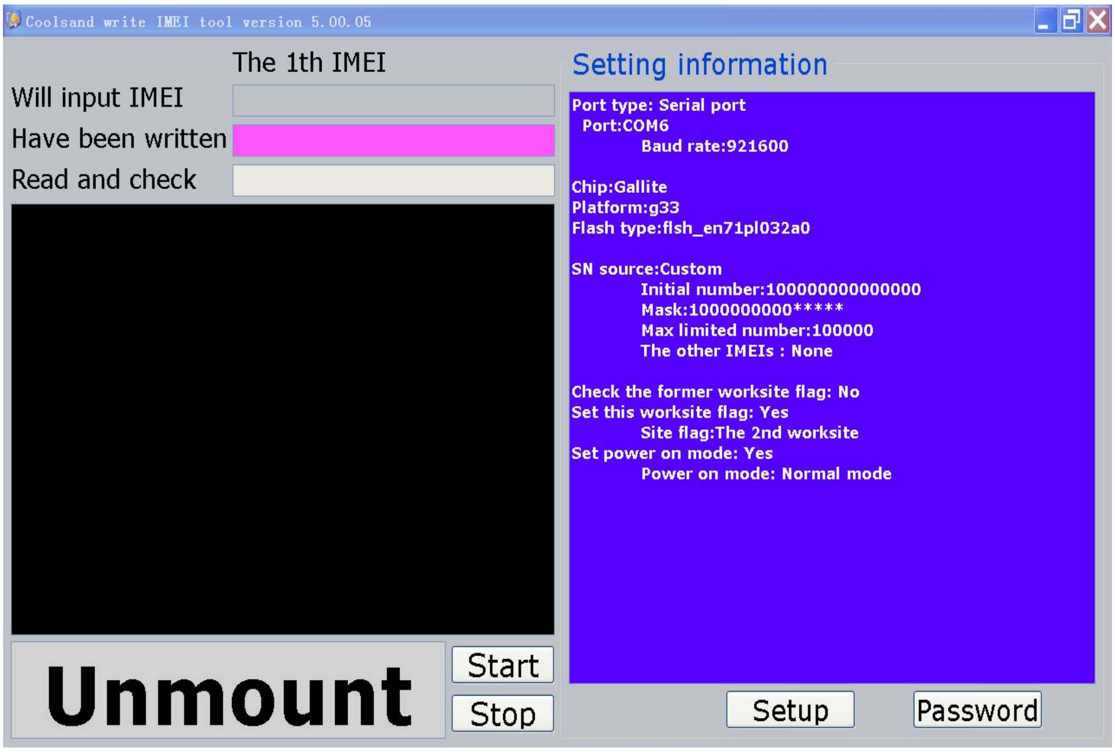
3 Software installation

3.1 Software requirement

Above Windows 2k or Windows xp or Windows 7, Write IMEI tool, MS Excel.

3.2 The main interface

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



```
Port type: Serial port
  Port:COM6
          Baud rate:921600

Chip:Gallite
Platform:g33
Flash type:flsh_en71pl032a0

SN source:Custom
          Initial number:100000000000000
          Mask:1000000000*****
          Max limited number:100000
          The other IMEIs : None

Check the former worksite flag: No
Set this worksite flag: Yes
          Site flag:The 2nd worksite
Set power on mode: Yes
          Power on mode: Normal mode
```

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).

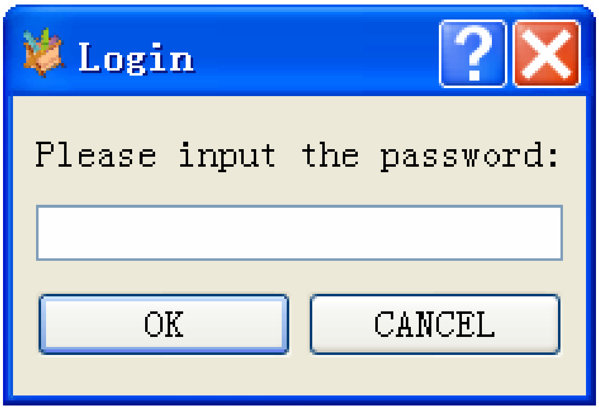
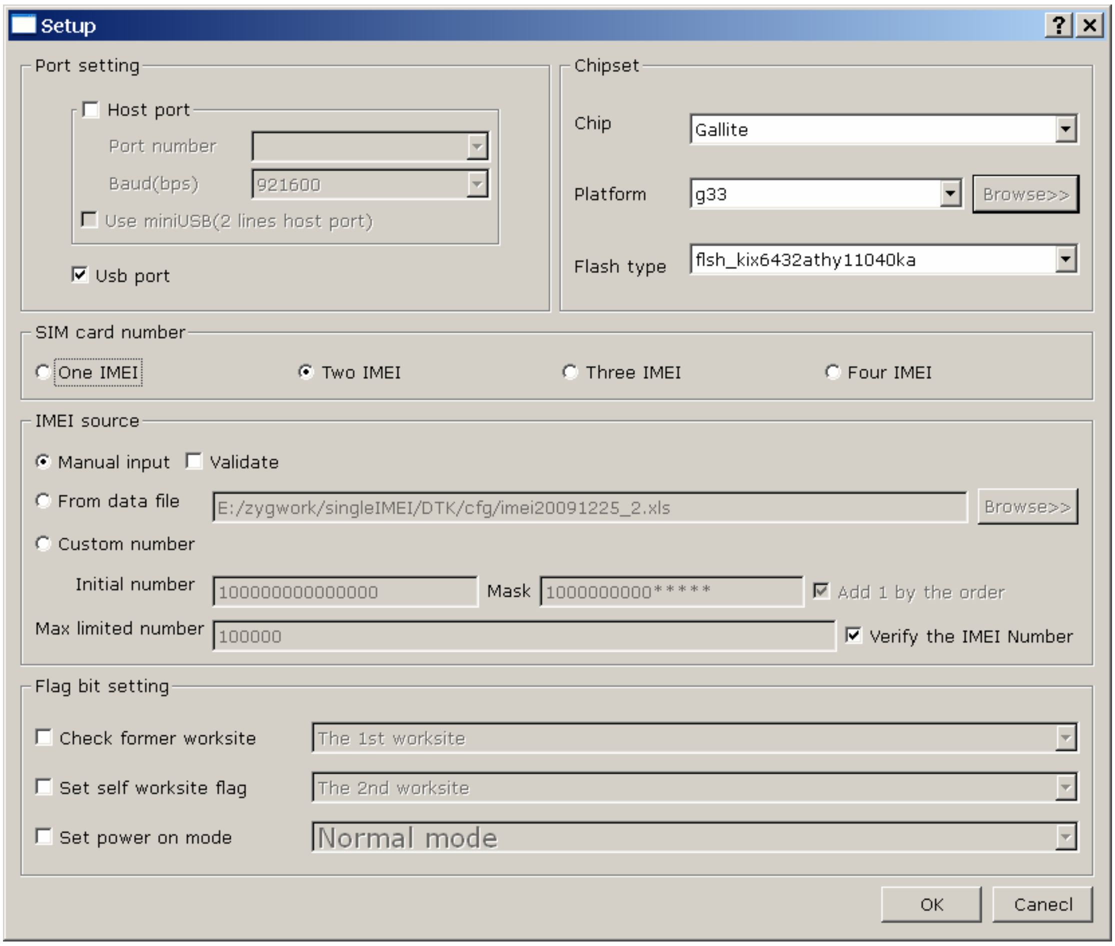


Figure 2



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

Chipset
Chip: Gallite
Platform: g33
Flash type: flsh_kix6432athy11040ka

SIM card number
○ One IMEI ● Two IMEI ○ Three IMEI ○ Four IMEI

IMEI source
● Manual input ☐ Validate
○ From data file: E:/zygwork/singleIMEI/DTK/cfg/imei20091225_2.xls
○ Custom number
Initial number: 100000000000000 Mask: 1000000000***** ☑ Add 1 by the order
Max limited number: 100000 ☑ Verify the IMEI Number

Flag bit setting
☐ Check former worksite: The 1st worksite
☐ Set self worksite flag: The 2nd worksite
☐ Set power on mode: Normal mode

Figure 3

After the setting of this dialog, there shows the setting information on the right side of the main interface(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 setted.

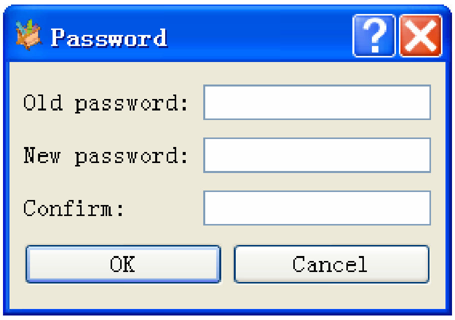
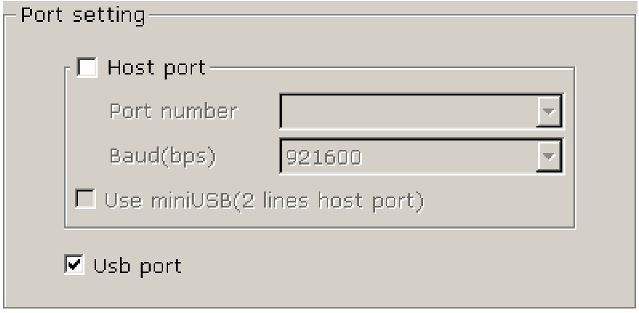


Figure 4

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

Baud(bps) 921600

☐ Use miniUSB(2 lines host port)

☑ Usb port

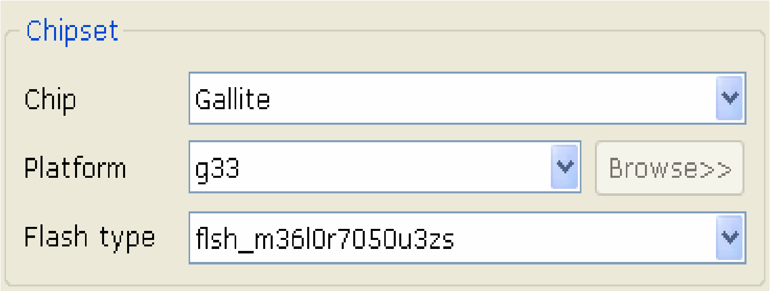
Figure 5

Setting the serial port is base on the port connected with the fixture. Choose 921600 for the baud setting. If you select USB, you need only check the “Usb port” checkbox.

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 5).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.



Chip Gallite

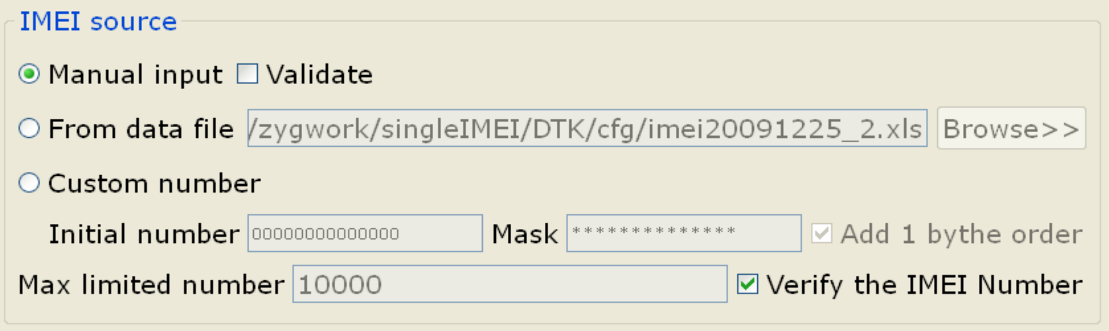
Platform g33

Flash type flsh_m36l0r7050u3zs

Figure 6

3.3.4 The generation of IMEI

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



IMEI source

● Manual input ☐ Validate

○ From data file /zygwork/singleIMEI/DTK/cfg/imei20091225_2.xls Browse>>

○ Custom number

Initial number 00000000000000 Mask ************** ☑ Add 1 bythe order

Max limited number 10000 ☑ Verify the IMEI Number

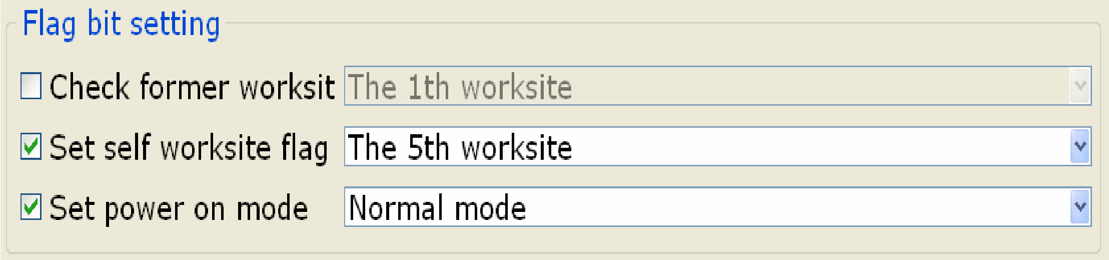
Figure 7

- Manual input is chosen to input the IMEI with the keyboard or a scanner.
- From data file is chosen to get the IMEI from a excel file in which there must be a table called IMEI and the IMEI numbers are listed in the first column.
- If Custom number is chosen, you have to input the initial IMEI 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 IMEI when it has imputed that number of IMEI..
- They “Add by the order” checkbox will be used when there were more than one IMEIs must to be written to the same mobile phone. If we set the checkbox to be checked , The other IMEIs will be the first IMEI add 1 by orders.
- If using the USB mode, you can't verify by reading the IMEI number.

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 1th worksite

☑ Set self worksite flag The 5th worksite

☑ Set power on mode Normal mode

Figure 8

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

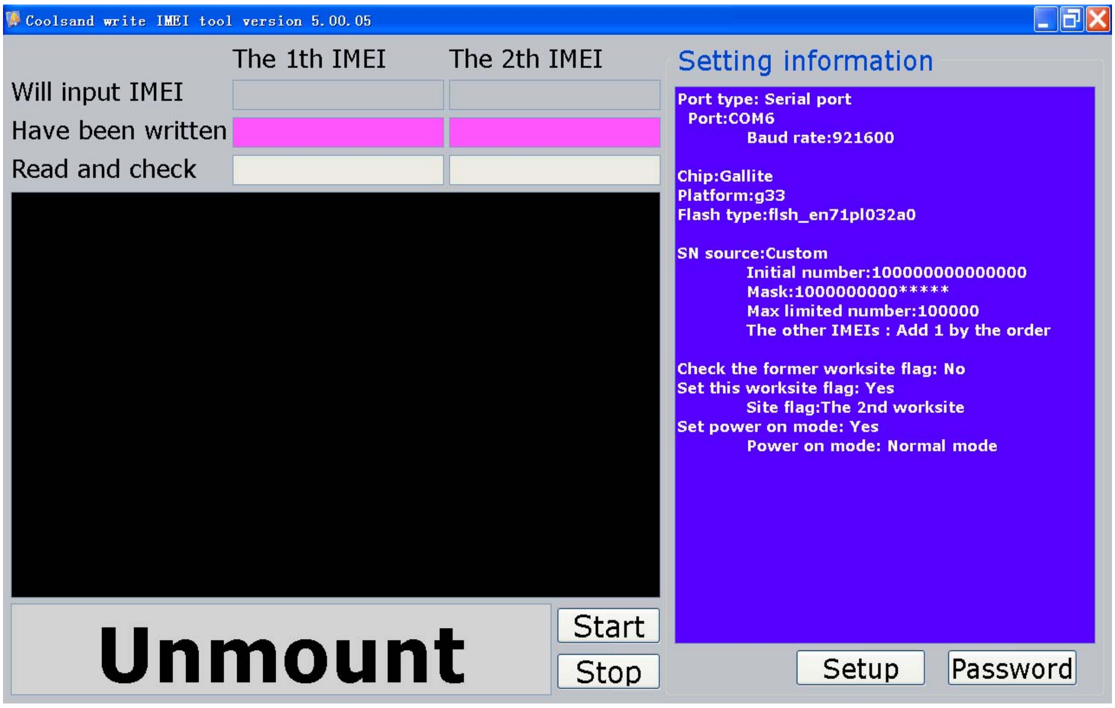
Check former works: Check the complete flag of the former worksite on the product line. If the former worksite hasn’t been finished, the operation of the current worksite can’t begin.

Set self worksite flag: This option is selected if setting the finished flag of the current worksite is needed. Then choose the flag, and select the item in the combobox.

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

3.3.6 Set the multi-IMEIs

From the version 2.00.01, Our write IMEI tool can support the function of write more than 1 and less than 5 IMEIs. Our user can modify the “wimei.cfg” file to make the tool to support multi IMEIs. The bellow figures(9-11) were the UI of 2,3,4 IMEIs modes. The other operations were the same with the sigle IMEI mode.



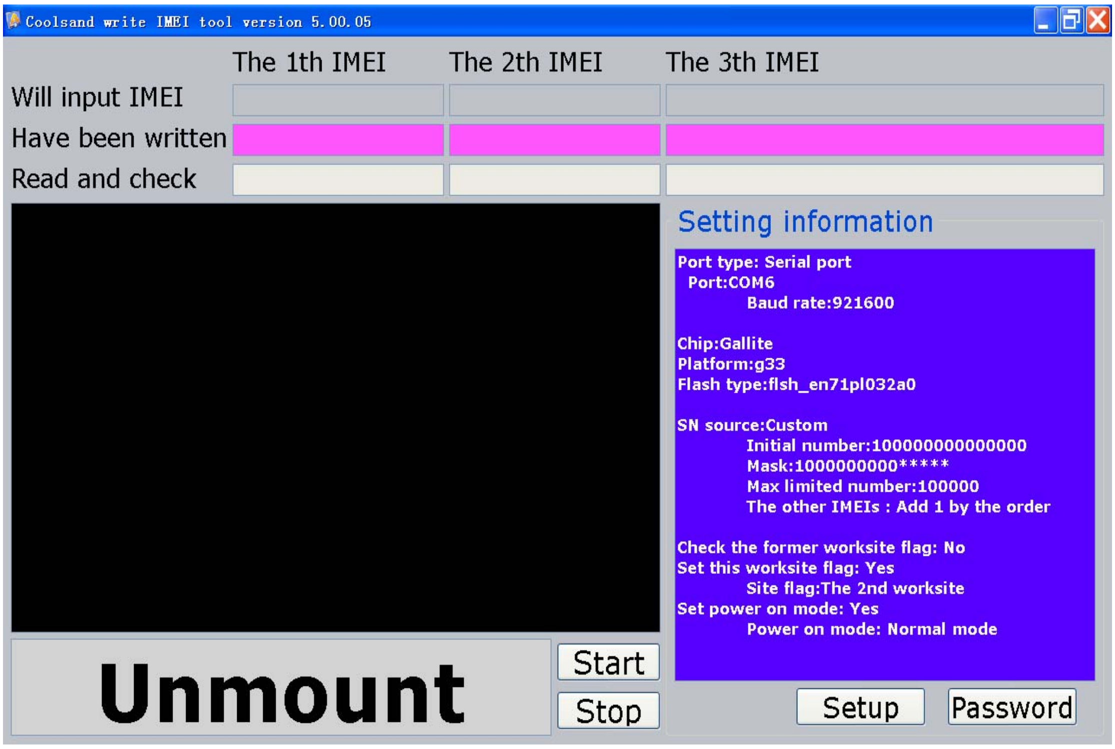
```
Port type: Serial port
  Port:COM6
          Baud rate:921600

Chip:Gallite
Platform:g33
Flash type:flsh_en71pl032a0

SN source:Custom
          Initial number:100000000000000
          Mask:1000000000*****
          Max limited number:100000
          The other IMEIs : Add 1 by the order

Check the former worksite flag: No
Set this worksite flag: Yes
          Site flag:The 2nd worksite
Set power on mode: Yes
          Power on mode: Normal mode
```

Figure 9



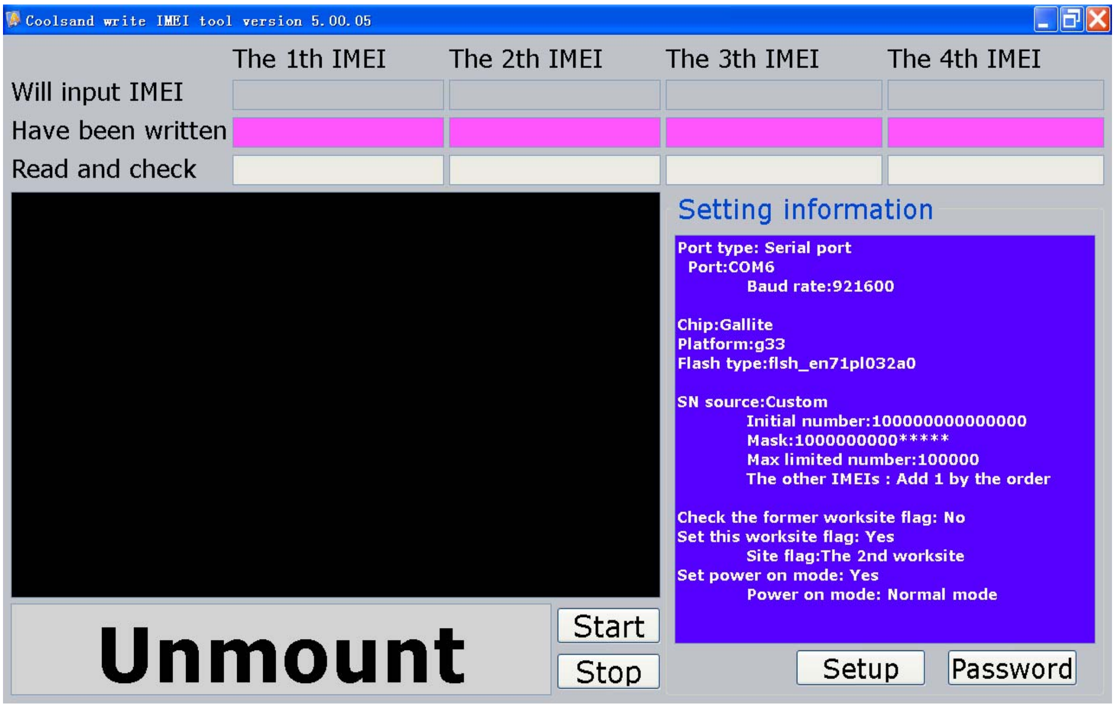
```
Port type: Serial port
  Port:COM6
          Baud rate:921600

Chip:Gallite
Platform:g33
Flash type:flsh_en71pl032a0

SN source:Custom
          Initial number:100000000000000
          Mask:1000000000*****
          Max limited number:100000
          The other IMEIs : Add 1 by the order

Check the former worksite flag: No
Set this worksite flag: Yes
          Site flag:The 2nd worksite
Set power on mode: Yes
          Power on mode: Normal mode
```

Figure 10



Port type: Serial port
Port:COM6
Baud rate:921600

Chip:Gallite
Platform:g33
Flash type:flsh_en71pl032a0

SN source:Custom
Initial number:100000000000000
Mask:1000000000*****
Max limited number:100000
The other IMEIs : Add 1 by the order

Check the former worksite flag: No
Set this worksite flag: Yes
Site flag:The 2nd worksite
Set power on mode: Yes
Power on mode: Normal mode

Figure 11

4 Use the Write IMEI 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 921600, or choose to download by USB(Figure 5). Attention: IMEI 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: IMEI 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 IMEI

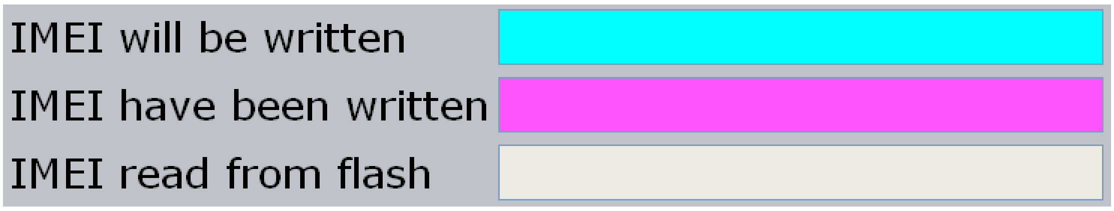
Choose the way to generate the IMEI as figure 7.
Attention: IMEI Tool can remember the way to generate the IMEI. If the port and the type of the phone are not changed, it never needs to set again.

4.5 Set the flag

Set the flag as shown in the figure 8.
Attention: IMEI 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 IMEI

Above operations are used to set the port, the baud, the flash type and the way to generate the IMEI. It’s time to start downloading. If Manual input is chosen, you should input the IMEI manually in the first line shown in the figure 12, or use the scanner to gather the input IMEI(When using the scanner, the download process will be started after scanning if the character enter is added at the end of the IMEI 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 IMEI written in the second line as shown in the figure 12. If Read the IMEI Number is chosen as shown in the figure 7, it will show the IMEI read from the phone in the third line.



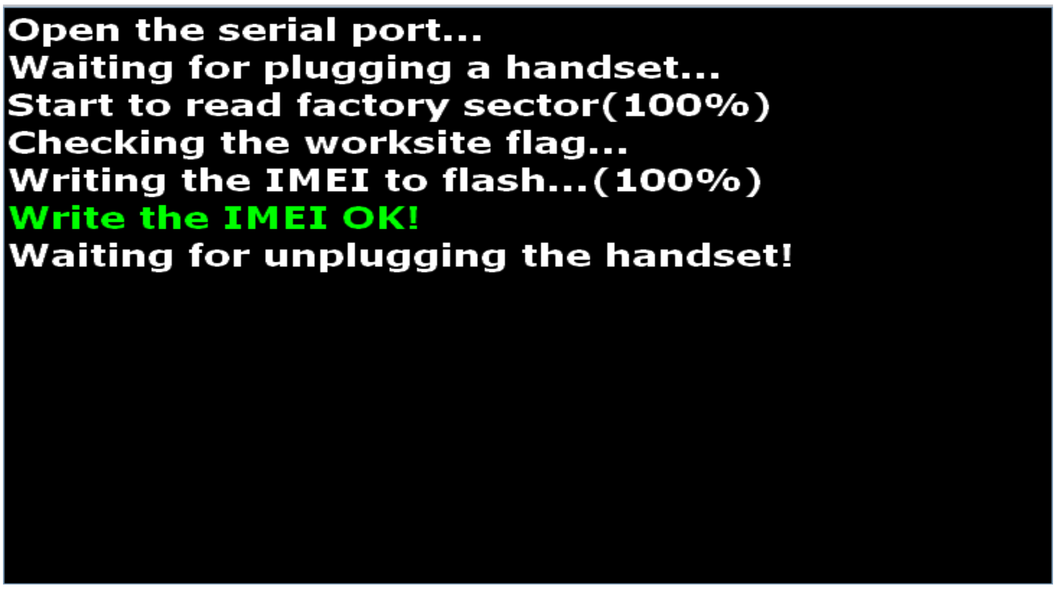
IMEI will be written

IMEI have been written

IMEI read from flash

Figure 12

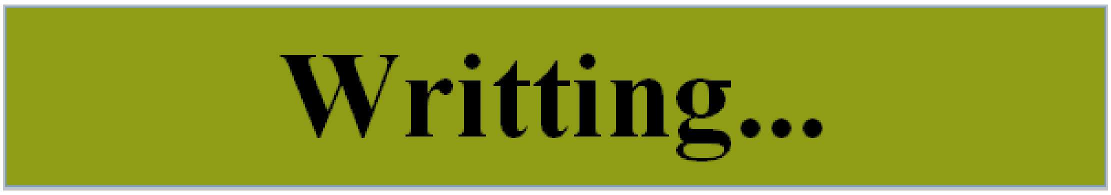
After starting the download process, the black area in the middle of the interface will update the information (shown in the figure 13) within the download progress. Please follow the prompt to plug and unplug the phone.



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

Figure 13

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 14.



Writting...

Figure 14

5 Troubleshooting

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

1. Click the stop button to stop the downloading.
2. Unplug the unfinished mobile.
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.