

Coolsand Update Tool User Manual

Vision 5.00.05

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1 Overview

The document introduces the basic functions and the usage of the Coolsand update tool, including the hardware install, the software install, troubleshooting etc. The Coolsand update tool is mainly used for the repair shop. It can be used to download the data to mobile phones including the boot code, the user data etc. Besides, it can erase the data in the flash, such as the user data, the calibration data and the factory data. This software is easy to use, and it is very convenient.

2 Hardware installation

- PC(Windows) with serial port or USB
- The fixture for downloading.
- DC power supply.

3 Software installation

3.1 Software requirement

Windows 2k or Windows xp, update tool.

3.2 Software setting

Some crucial setting work is needed before using the update tool, such as port setting, download info setting, erase setting. It is shown as figure 1.

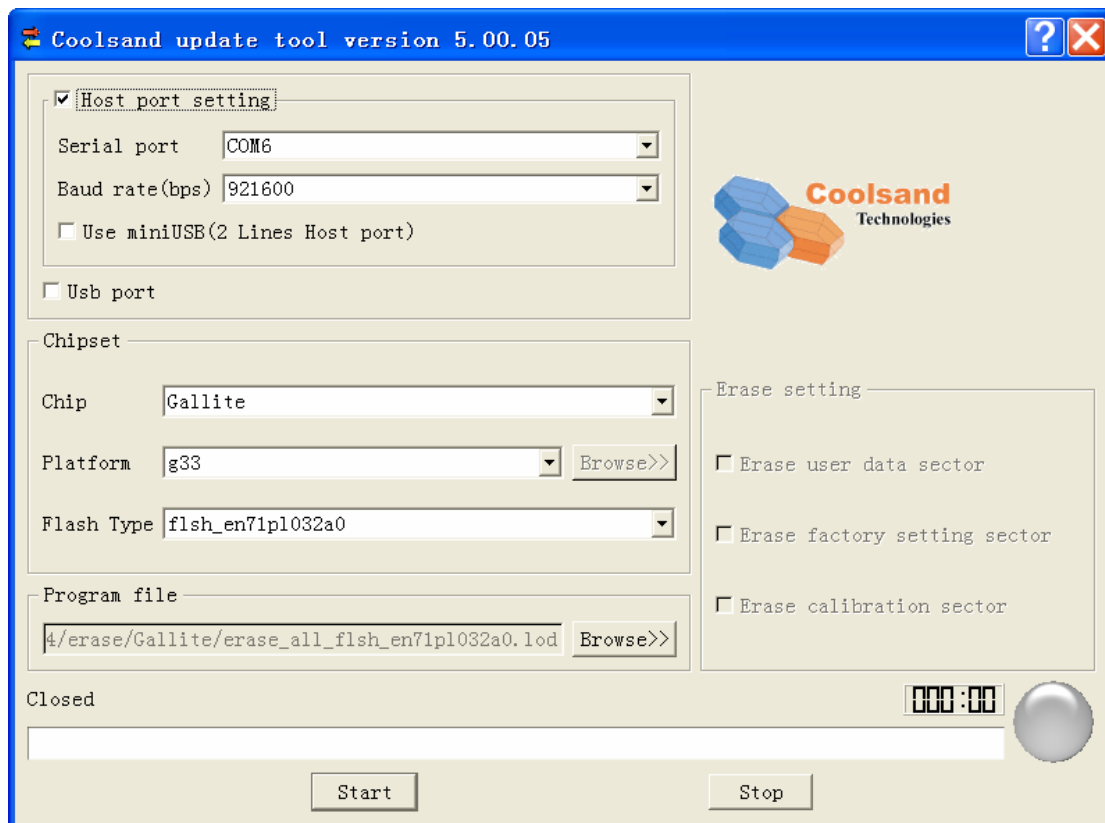


figure 1

3.2.1 Port setting

If you use the serial port to download your file, you should choose “Host port” and set the content in it. If you use the USB port to download your file, you should choose “USB port”. It is shown as figure 2.

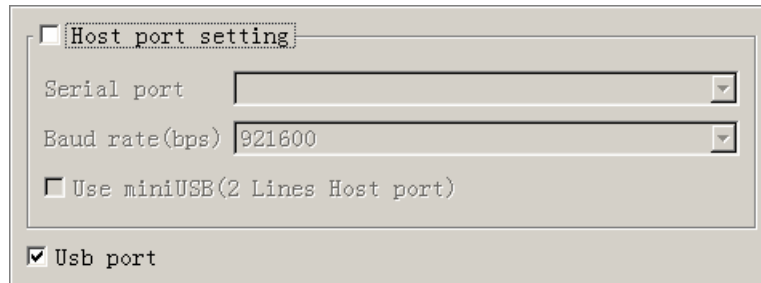


Figure 2

Parameter elucidation:

- * **Serial port:** choose the serial port that you want to use.
- * **Baud rate:** the speed of data transfers suggested 921600bps.

3.2.2 Target setting

There is an area at the right up of the setting dialog, which is used for choosing the target type (Figure 3). 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.

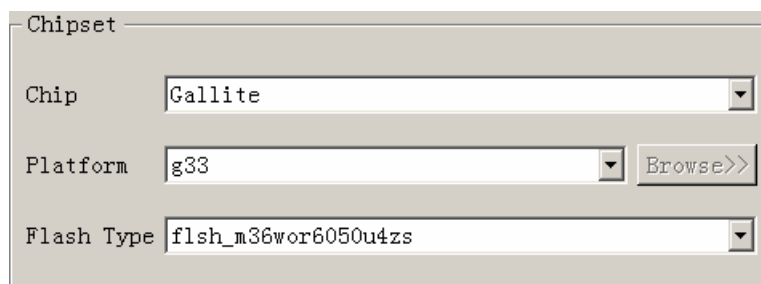


Figure 3

3.2.3 Download info setting

Choose “Browse>>” in “Program file” to choose the path of the file to download, shown as the figure 4. If you want to verify the file downloaded, choose “Verify the file downloaded”.

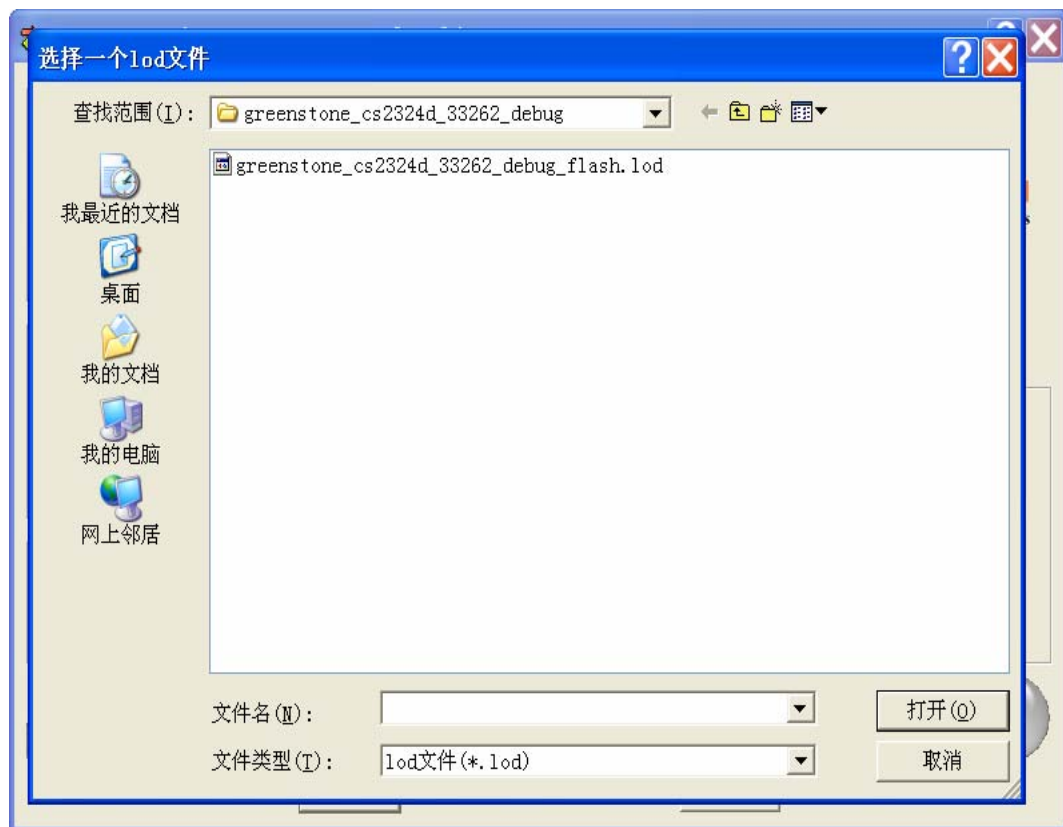


Figure 4

3.2.4 Erase setting

The “Erase setting” on the right of the surface lists the optional setting for erasing. You can choose anyone you want. It is shown as figure 5.

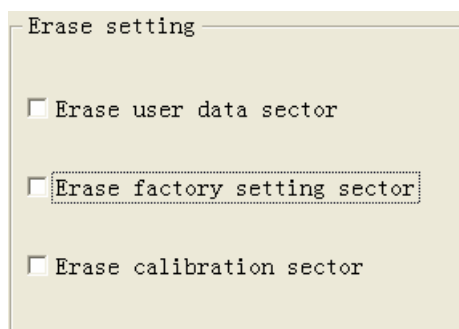


Figure 5

- **Erase factory setting sector:** Erase the sector that hold the factory setting data before downloading.
- **Erase calibration sector :** Erase the sector that hold the calibration data before downloading.
- **Erase user data sector:** Erase the sector that hold the user's data before downloading.

4 Run the update tool

4.1 Download setting

Set the port, program file, erase setting if needed.

4.2 Start downloading

Press the “Start” button to start downloading. The progressbar is changed from hoar to white now, shown as the figure 6.

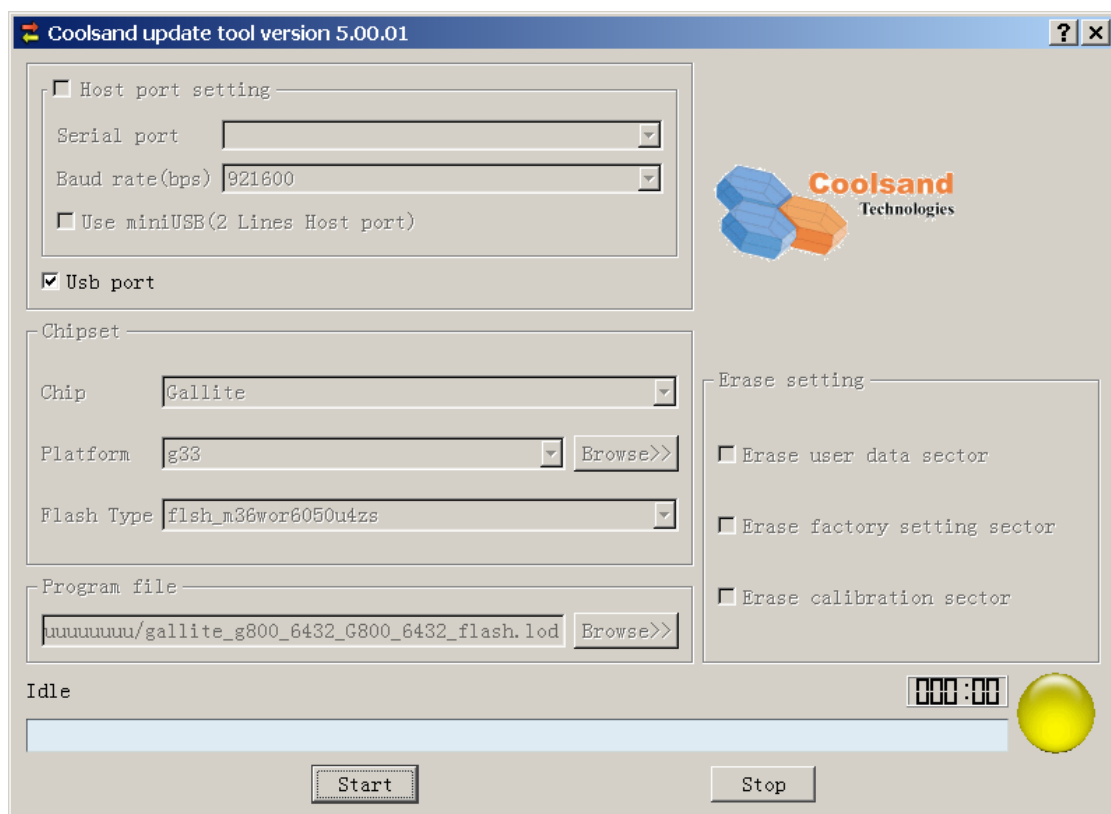


Figure 6

4.3 Connect to the cellular phone

Collect a cellular phone to the port and power on, If you select USB mode you will have to click the “*#3696#” to start the USB mode. and then the port will find that the port connects the mobile successfully. The progressbar changes to aqua which means that it detects the phone successfully, shown as the figure 7.

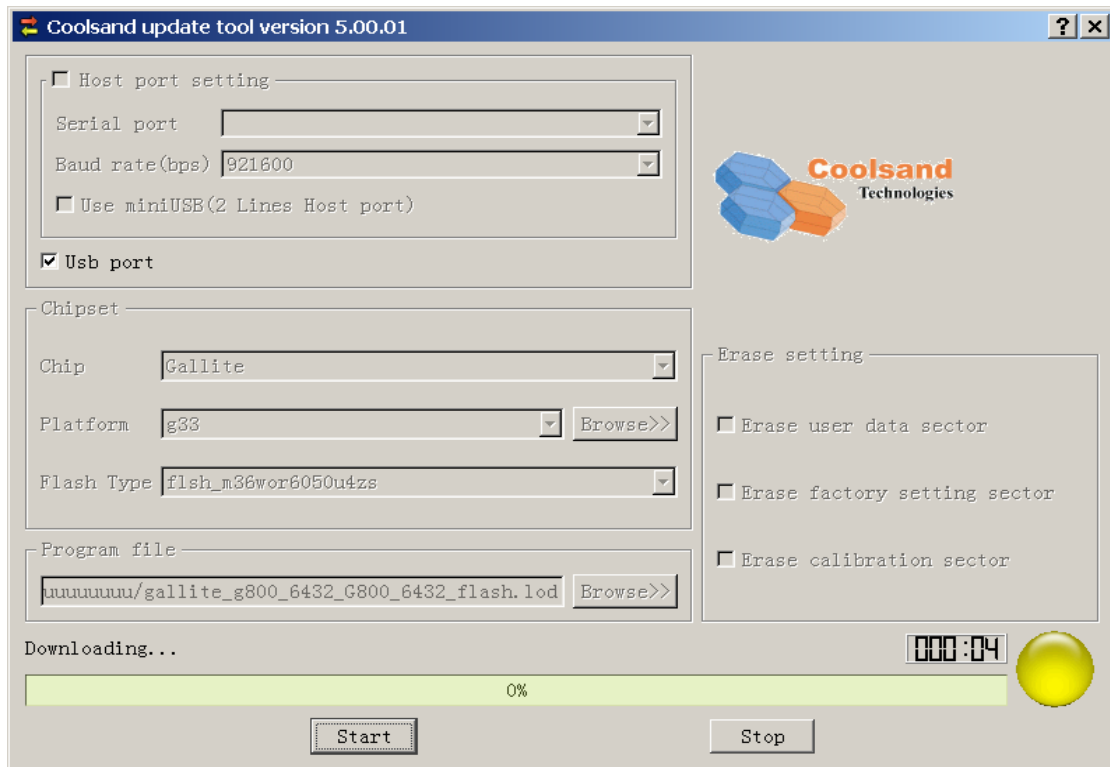


Figure 7

4.4 Download the lod file

After had probed the mobile successfully, the program begins to download the lod file. The processbar is shown to display the percentage of the download progress from 1% to 100% while the status will change from “Downloading” to “Finished”. The progress is shown in the figure 8 and figure 9.

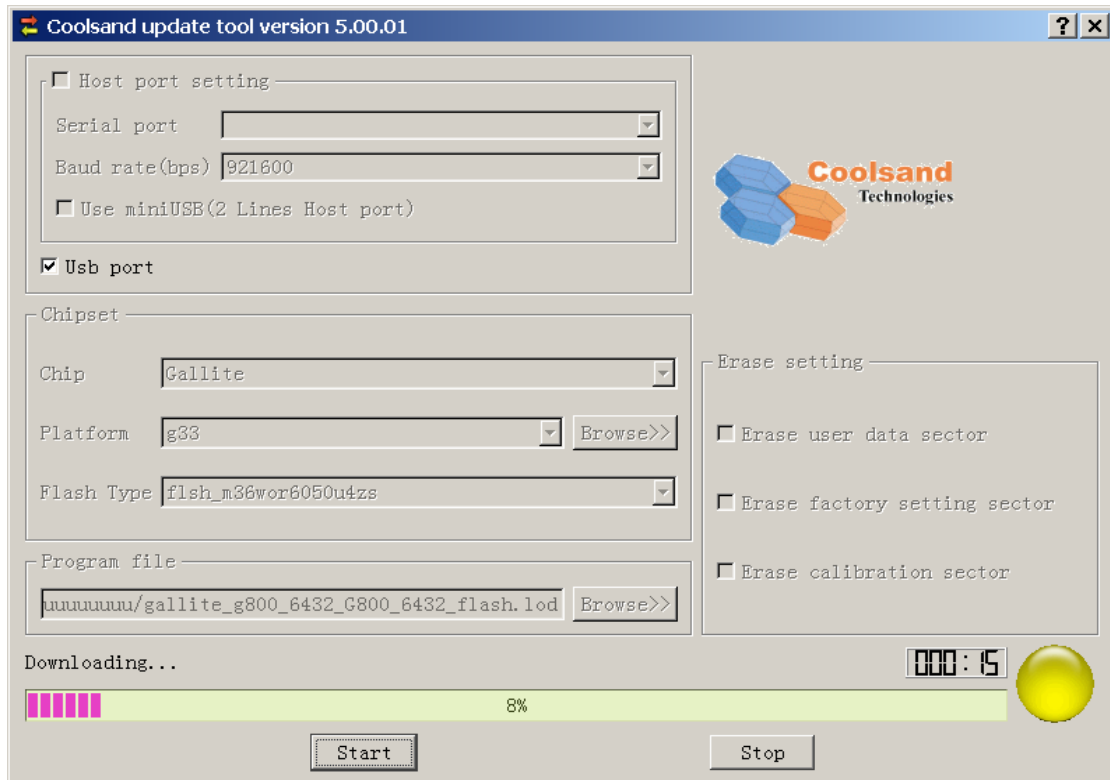


Figure 8

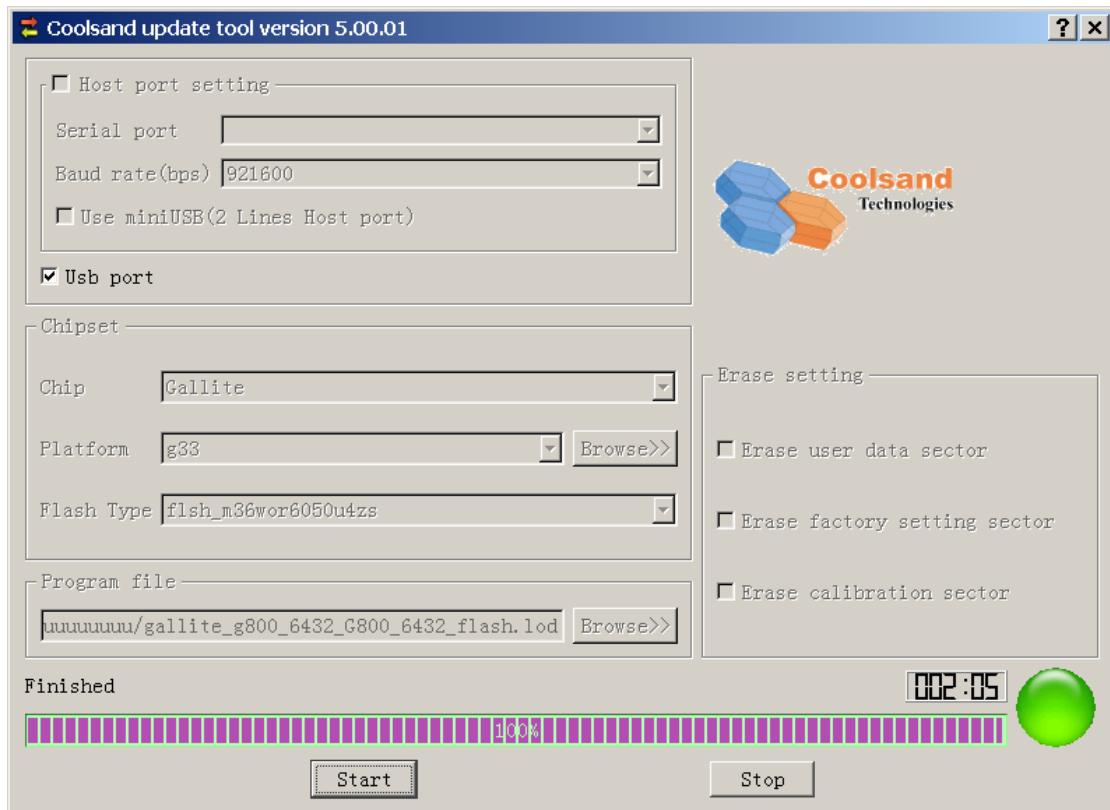


Figure 9

4.5 Take out the cellular phone

Unplug the cellular phone; wait for the idle state (white) appearance, then put another cellular phone to the fixture. If the USB is used, you have to push the Start button again after downloading once.

4.6 Pay attention to

1. The operator must wait until the former mobile is finished and the finish state is shown (the progress bar turns to Green), and then you can unplug the phone.
2. The operator can plug a new phone only when the port is idle again (The progress bar turns to white) after unplugging the former one.

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 use the following steps to restart downloading:

1. Click the stop button stop downloading.
2. Pull out the unfinished mobile.
3. Click the start button to restart the download process.
4. Put the mobile in the fixture, start downloading.
5. If the above steps take no effect, please restart the Windows.