Coolsand automatic update tool User Manual

Vision 5.00.05

Content

1 Overview

The document introduces the basic functions and the usage of the Coolsand automatic update tool, including the hardware install, the software install, troubleshooting etc. The Coolsand automatic 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.
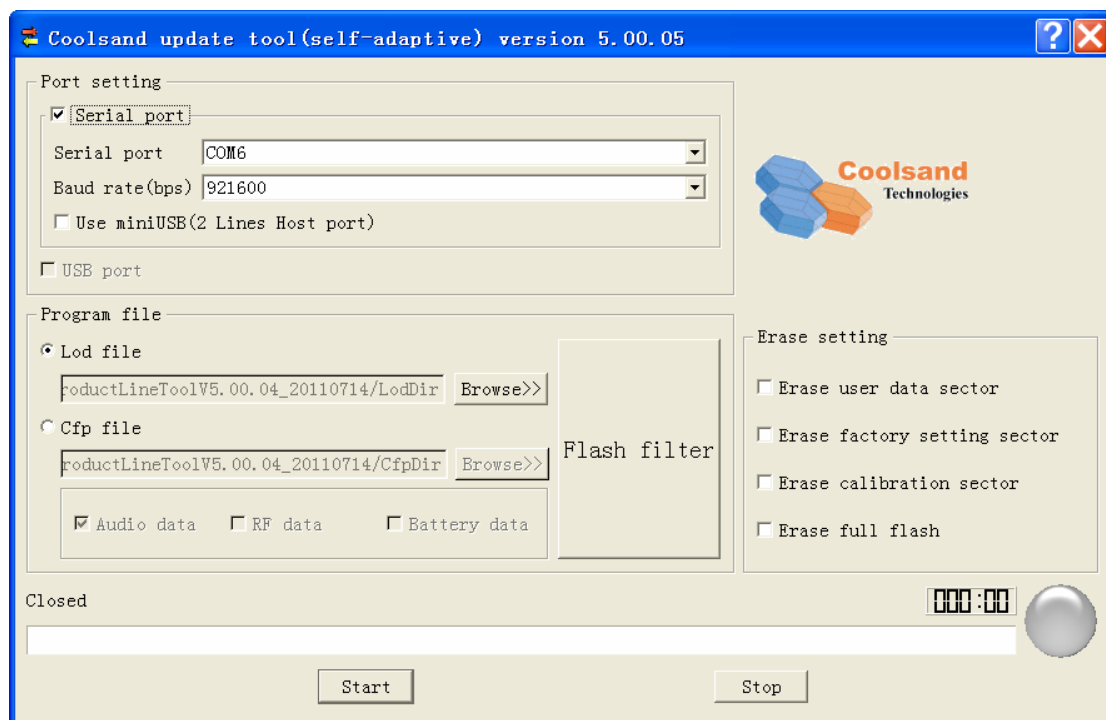

figure 1

3.2.1 Port setting

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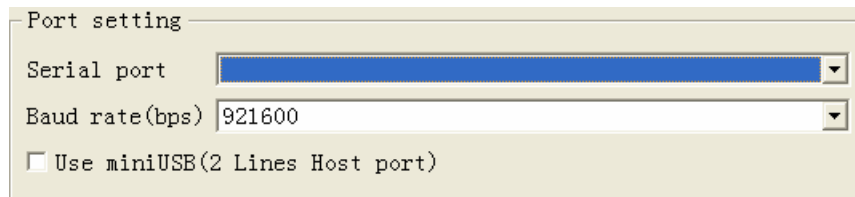

Figure **2**

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 Download info setting

In the "LOD file" group, we can set the content of we hope to download. If we hope update the program of the phone, we can select the "Lod file", and click the "Browse>>" button in the right. Which we can select a folder the *.lod files were stored in. we must notice that, the files in the selected folder must obey the rules:
1. They must have the externt name "*.lod";
2. Their file name must contain the chip type ,like "greenstone","gallite" etc.
3. Their file name must contain the flash type ,like "flsh_m36l0r7050u3zs" etc.

If we hope update the calibration data, we can select the "Cfp file", and click the very "Browse>>" button. Which we can select a folder the *.cfp files were stored in. We also must obey a rules like below:
4. They must have the externt name "*.cfp";
5. Their file name must contain the chip type ,like "greenstone","gallite" etc.
6. Their file name must contain the flash type ,like "flsh_m36l0r7050u3zs" etc.
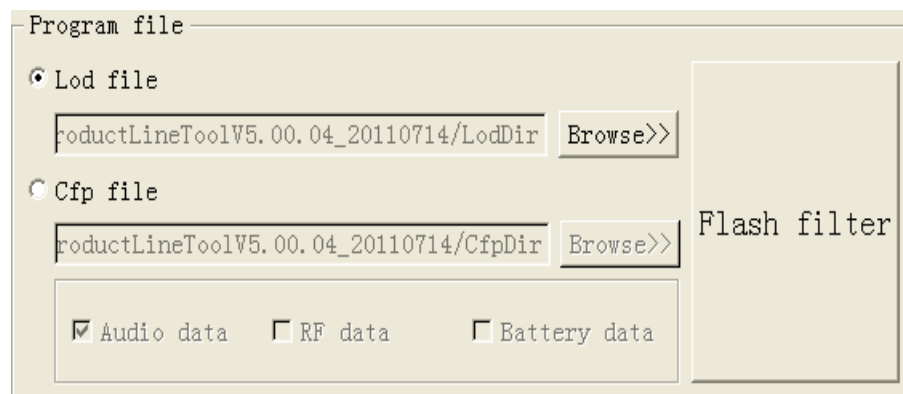

Figure 4

3.2.3 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.
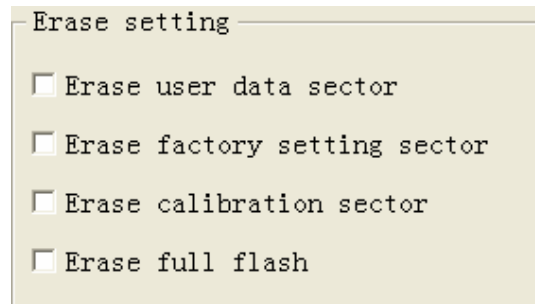

Figure 5

- **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.
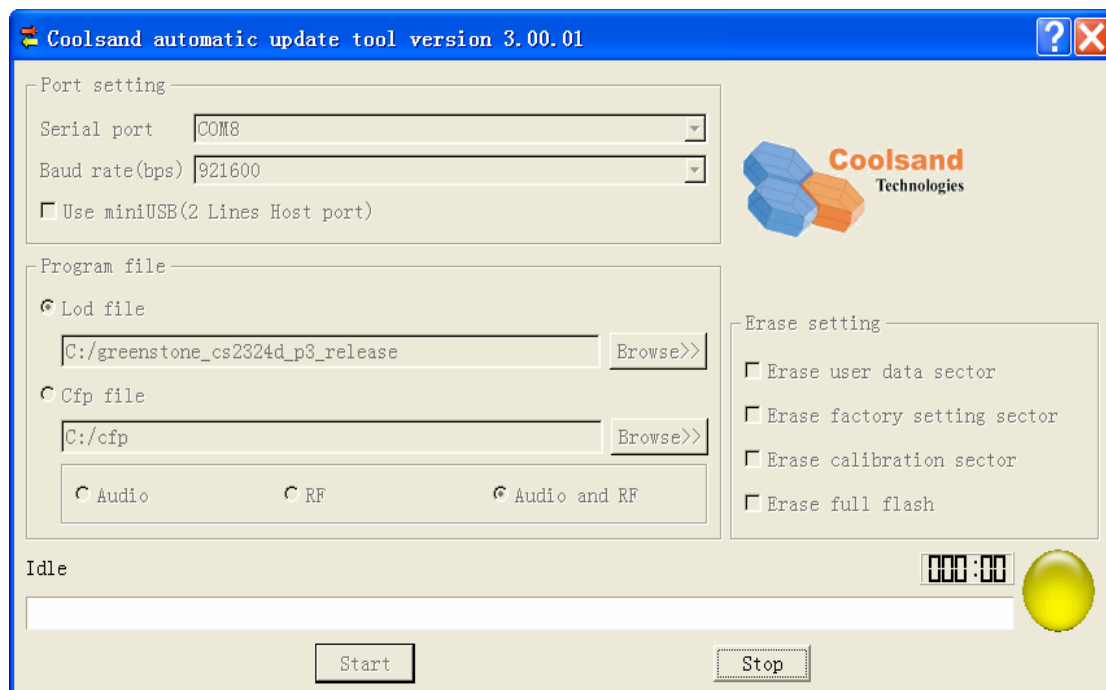

Figure 6

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.
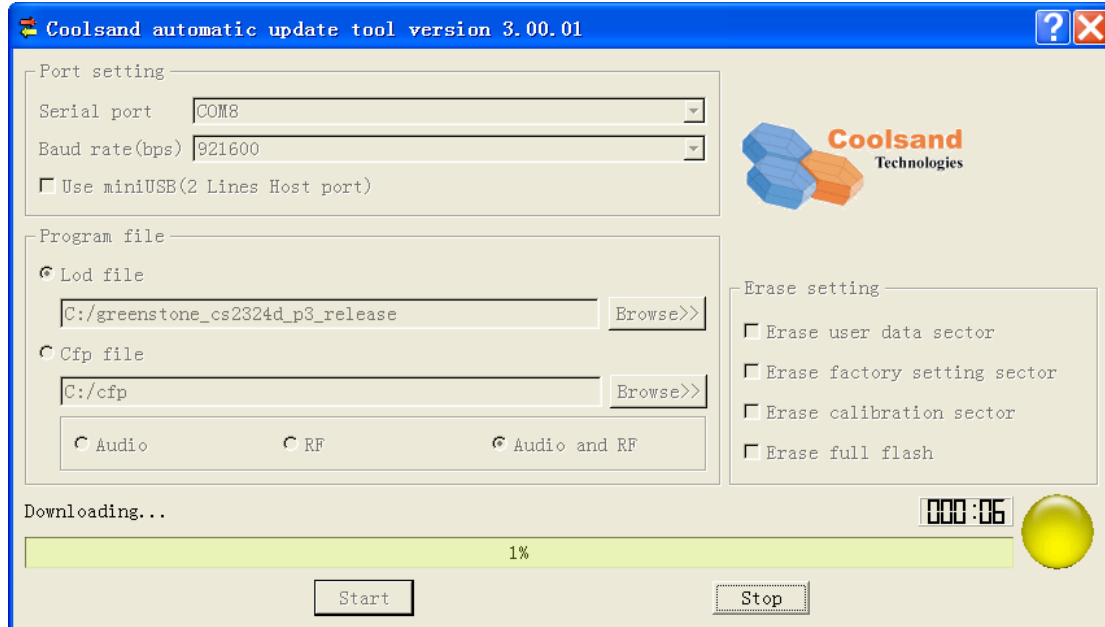

Figure 7

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.
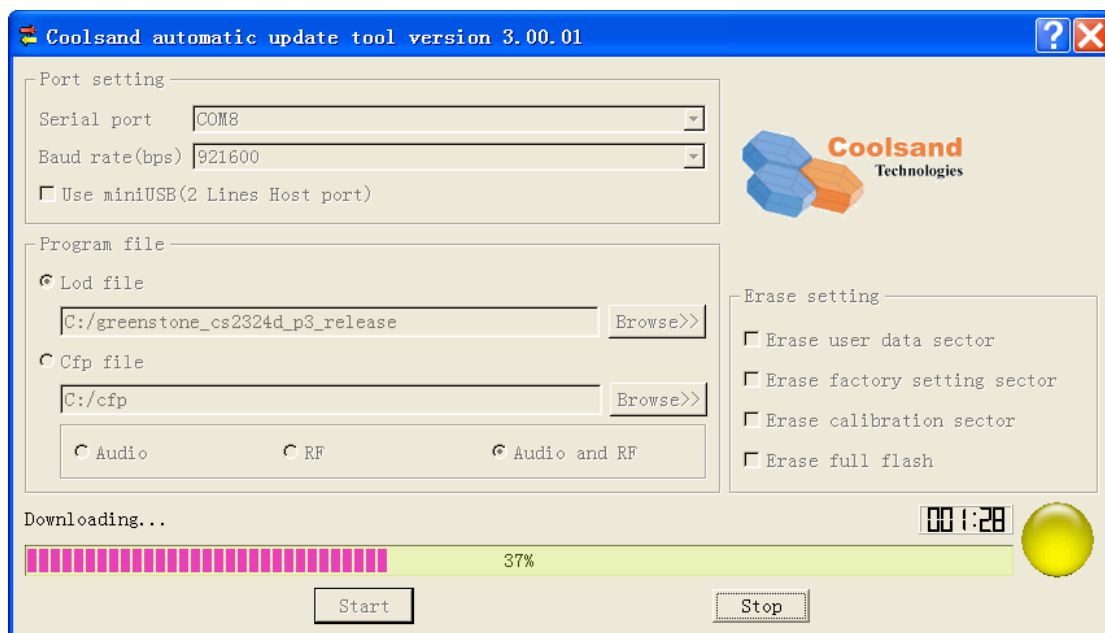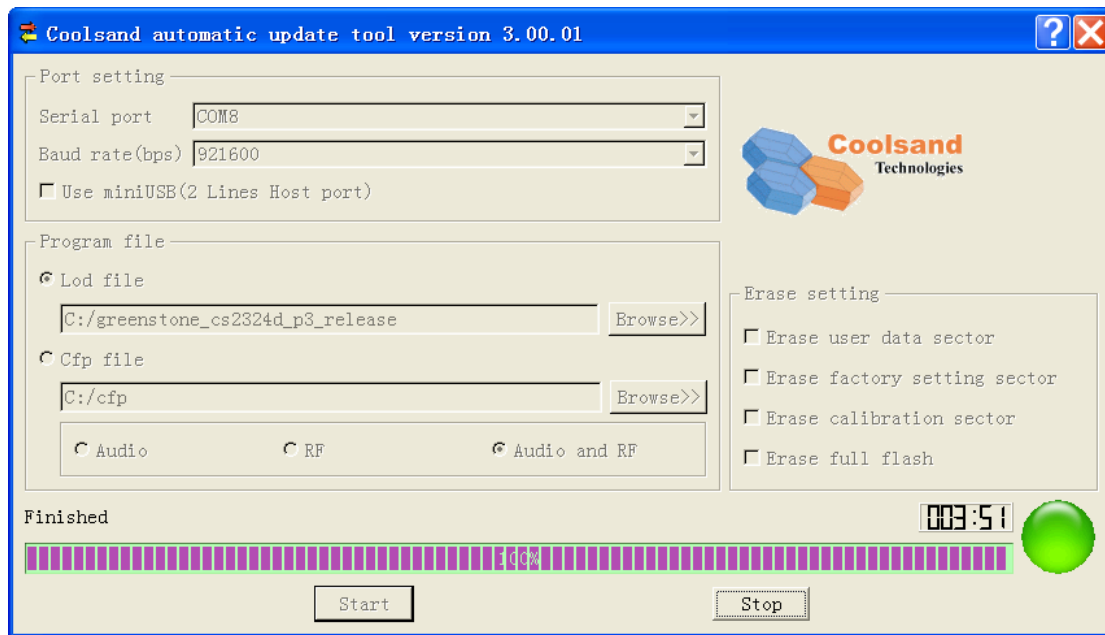

Figure 8

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 unitl the former mobile is finished and the finish state is shown(the progressbar turn 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.