
TRANSSION Customized download tool manual V4.5

INTERNAL USE
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1 Operation main interface introduction



Figure 1.1 operation main interface

[1] Operation area

This area is a user operating area and consists of three buttons: start / stop button, setup button, and help button. The following section details how to use it.

[2] Item model area

The item model number corresponding to the selected software version is displayed.

[3] Data statistics area

Download process data statistics, including the total number of downloads, the number of failures and a pass-through rate.

[4] Status area

Displays the detailed address of the selected partition table file, the system time, and the current download mode.

[5] Implementation area

- NO: Indicates the download process number.
- Device Information: Indicates the device type and COM port number.
- Download progress: Indicates the progress of the entire download process.
- Time statistics: Indicates the time of download.
- Communication status: Indicates the current download status, divided into Pass, Fail, Ongoing.

[6] Download mode description area

The main tools for downloading tools are:

R & D dedicated download tool; This mode does not retain the calibration data; This mode retains calibration data; Memory check-only;

2 Operation progress

1. Click  the "Settings" button, first of all (1) select the partition table file, click "OK" button, as shown in Figure 2.1. After configuring the partition table file, the main interface will display the detailed address (main interface status area) of the project model (main interface project model area) and partition table file to check whether the download software selection is correct. (2) scan port for the SMT factory multi-threaded port binding download, specific reference document



Figure2.1 Set interface

2. Click the  "start" button, main interface pop-up file verification dialog box, as shown in Figure 2.2,

Waiting for the verification is completed, the "Start" button  to "stop" button, this time the tool began to monitor the phone device is inserted, ready to download.

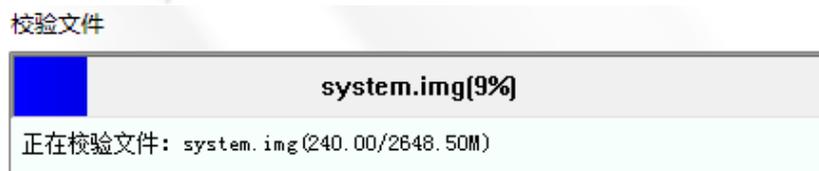


Figure2.2 Calibration interface

3. Will need to download the phone off, and then directly into the USB cable, download the software without the port configuration, you can automatically find the port and bind the thread to start the download. As shown in Figure 2.3.

(1) When the download progress bar is blue and the communication status is "Ongoing," it indicates that the download is in progress. Do not unplug the phone.

(2) When the download progress bar is displayed in green and the communication status is "Pass", it indicates that the download is completed and the phone of the thread can be pulled out. Insert the next phone to download.

(3) When the download progress bar is red and the communication status is "Fail", it indicates that the download fails, and the phone of the thread can be

pulled out. Insert the next phone to download.

The download tool theoretically supports simultaneous download of 16 threads, but taking into account the computer's load and download stability and other factors, it is recommended not to download the thread more than 8

序号	设备信息	下载进度	时间统计	通讯状态
01	(COM6)MediaTek PreLoader USB VCOM (A...	文件下载中...[151.20/2703.24M][5%]	00:00:38	Ongoing
01	(COM6)MediaTek PreLoader USB VCOM (A...	下载完成!(100%)	00:08:45	PASS(1/1)
01	(COM6)MediaTek PreLoader USB VCOM (A...	代理连接失败! [0.00/0.00M][100%]		FAIL(0/1)

Figure2.3 Download execution interface

3 Each sub-version of the instructions

Download tool is divided into multiple sub-tools assigned to different needs of users, the specific classification is as follows:

3.1 SWD_Factory

This tool is mainly used in the scene of empty downloading or all-wipe downloading requirement of the factory. The background color of the tool is gray, meanwhile, the red frame in the picture below shows the message "This mode does not retain the calibration data", as shown in Figure 3.1 .

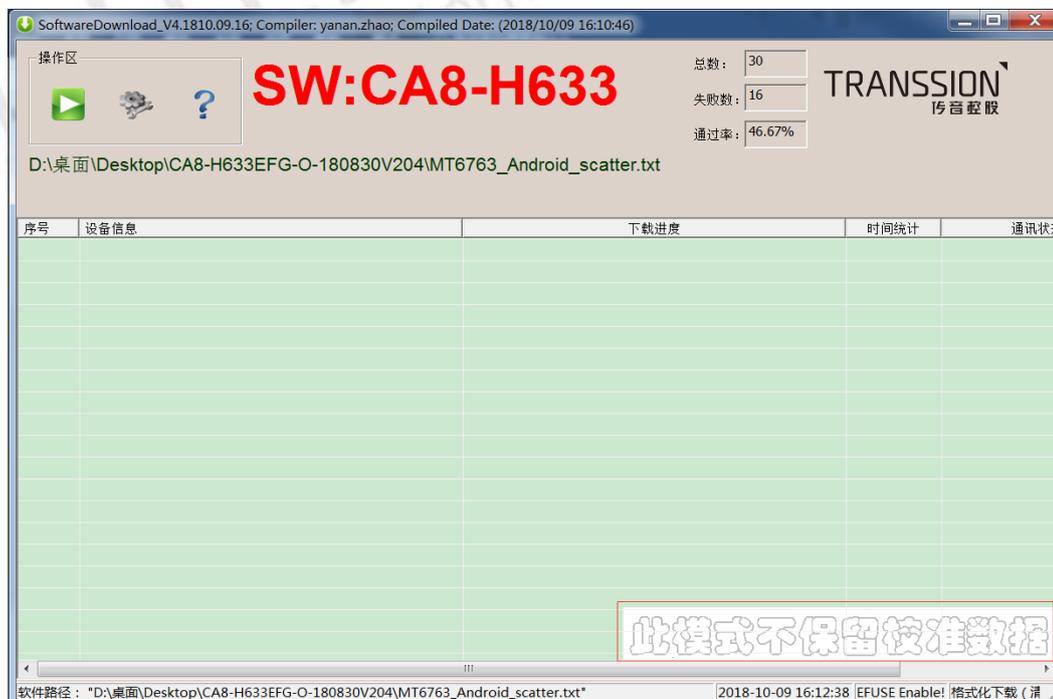


Figure3.1 factory_mode interface

Regarding the port binding in the case of empty download, the following items need attention:

1. Before binding the port for the first time on your computer, you need to "clear all binding", as shown below, right-click, select "clear all bindings", and then start the download:

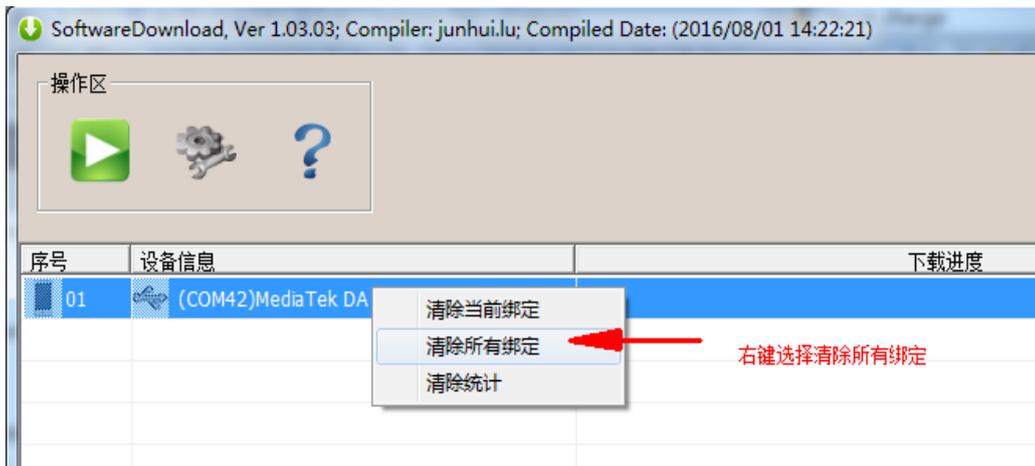


Figure3.2 Clear all bound right-click interface

1. Once all the threads have completed the binding operation, there is no need to "clear all bindings" subsequently.
2. When binding the port for the first time, it needs to be bound with the thread one by one. After the purple progress bar "port switching completed" appears on the previous thread, the binding is completed and the next cell phone can be connected.

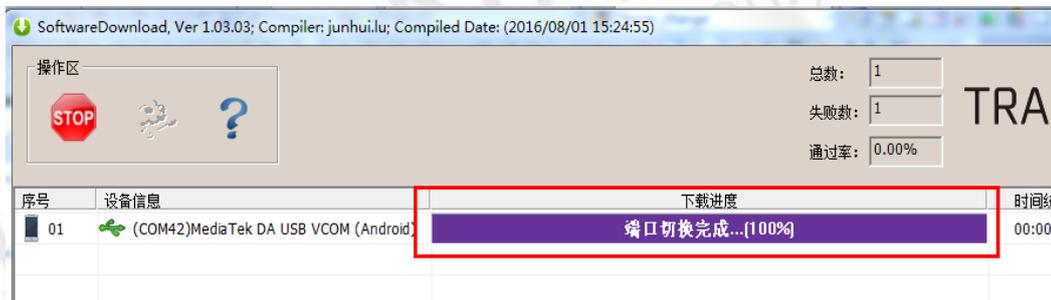


Figure3.3 Port switching completed interface

4. During the download process, the number of bound threads may exceed the number of actually downloaded boards. In this case, you can use "the Merge Duplicate Threads" button in the right key to complete the merge of duplicate threads. Specific can see "Section VII of the second content" or reference document.

3.2 SWD_Service_Center

The tool is mainly used to upgrade the whole machine of the factory. The background color of the tool is lake blue, while the red box in the figure below shows the message "This mode retains the calibration data."



Figure 3.4 Upgrade mode interface and configuration interface

3.2.1 backup and recovery download

Forced backup of NV parameters, formatted and then restore the NV parameters downloaded for full erase download but need to retain the NV parameters, the need to dongle to check.

3.2.2 Single file download (production line rework)

Select the file to upgrade, and then do not upgrade version of the case, the production line urgent need to upgrade a file (such as boot.img), the method is only covered download, formatting operation, the need to dongle to check. Download the software version of the need to update the files, checksum files and scatter files can be.

3.2.3 Ignore version flag check

If the software version flag (boot.img) in the mobile phone can not be downloaded when it is different from the flag of the local mobile phone software that needs to be downloaded, in this case, you need to select this item if you want to force the download. You need the dongle to check it.

3.2.4 Automation fixture

Tool support Automation fixture

3.2.5 Main board jig upgrading

Support main board jig upgrade

3.2.6 Mes configuration

The download tool SWD_Service_Center adds MES system information. Click the "Mes" button in the red box of Figure 3.4 -> Click the "Setting" button to bring up the Mes interface as shown in Figure 3.5 below:

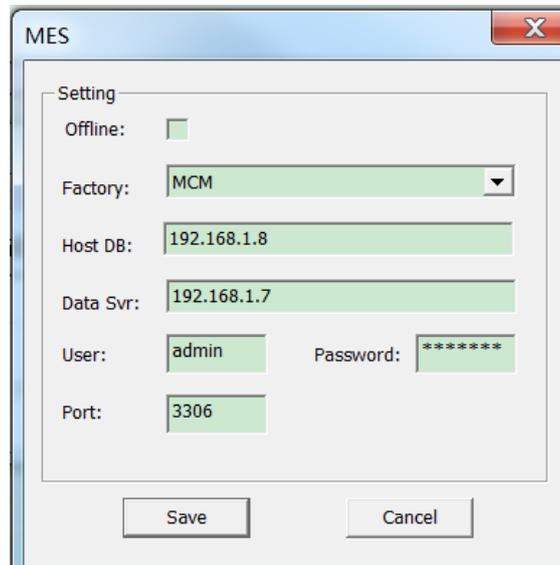


Figure 3.5 Mes interface information

4. Other operations

1. Click the "Help" button, will pop-up tool version number, compile time and compiler information. The red box is based on the version number of the MTK original tool. As shown below.

Click Help at the same time, there will be a tool Help directory, which has the "Operating Instructions" and "download tools Q & A" to answer everyone in the process of using the tool.

名称	修改日期	类型
传音客制化下载工具操作说明v3.3.pdf	2017/6/1 14:10	Adobe Acro
客制化下载工具Q&A_20171018.pdf	2017/10/18 11:23	Adobe Acro

1. If you need to switch the tool display language, you can click the language you want to use, click "Confirm" button, After restarting the tool, automatically switch to the appropriate language display.

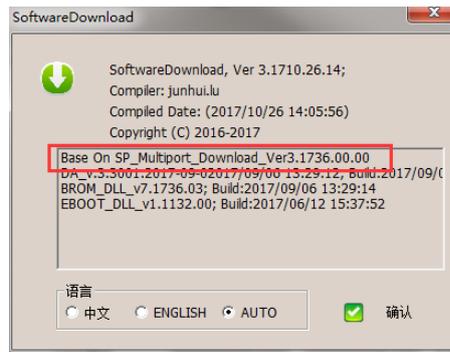


Figure4.1 Help interface

1.Right click on a download thread in the execution area, there will be three menu bar. As shown below.

clear the current binding: that the current thread to cancel the binding of the port number, remove the binding relationship, the thread can rebound the other port number. This menu bar will only take effect if the tool is stopped.

clear all bindings: that all the binding of the cancellation of the thread and port number to restore the initial state of thread binding.This menu bar will only take effect if the tool is stopped.

Merge duplicate binding: In the free download mode, because the same phone's high-speed port and low-speed mouth may be bound to different threads, so there is redundancy in the thread, you can merge the repeated threads. This menu bar is only available in the factory SMT version of the tool ,what's more, it must be stopped.

Clear Statistics: Clear the data in the data area.

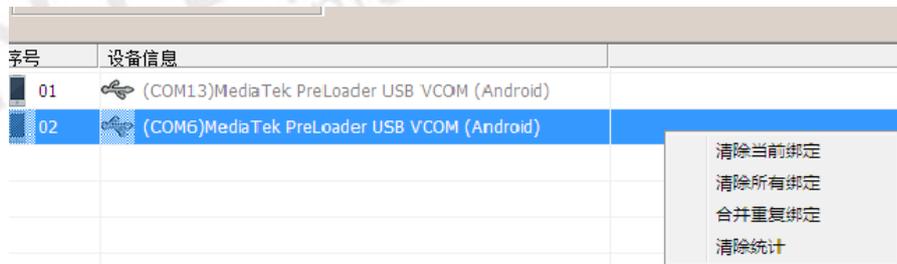


Figure 4.2 Right-click menu

3. After the failure of ErrorCode display, in different failure cases, the progress bar will not only display the progress of the failure, but display the failed ErrorCode, The production line can make statistics on this to facilitate the analysis of later research and development.

	下载进度	时间统计	通讯状态
USB VCOM (...)	代理连接失败! -ErrorCode:1013- 0.00/0.00M][100%	00:00:03	FAIL(0/1)
JSB VCOM (A...	下载完成![100%][6.00 MB/s)	00:00:17	PASS(1/1)

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