

SWNTool User Guide



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Document receiver	

Revision history:

Date	Version	Revision Content	Editor	Approver
2015-03-16	V1.0.0	Initial version	Lan Shunhua	
2015-03-31	V1.0.2	Change UI version	Lan Shunhua	
2015-05-19	V1.0.3		Lan Shunhua	

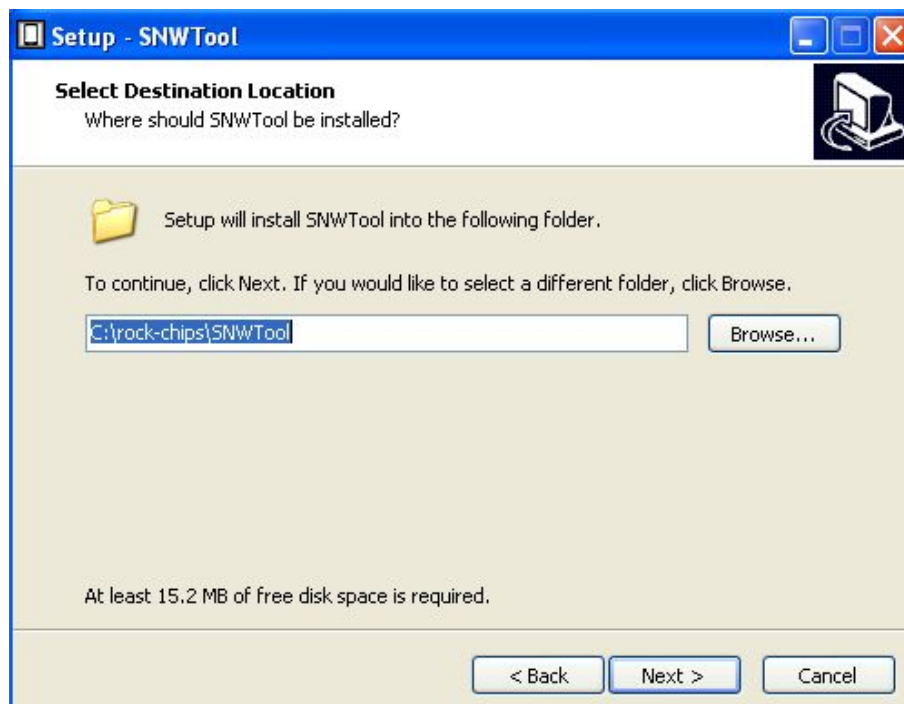
一、Install

1、Software installation:

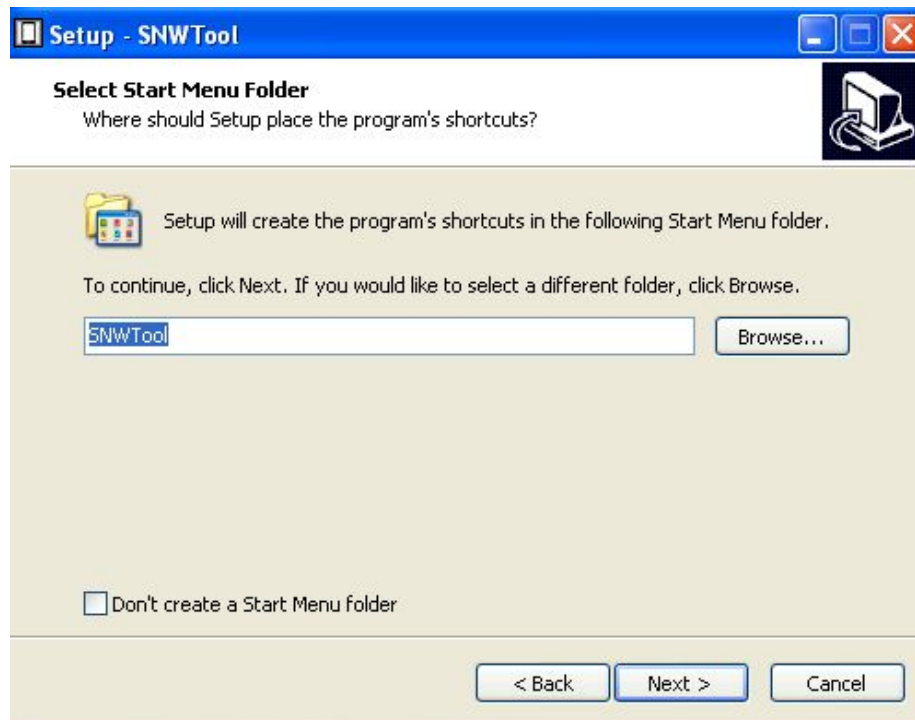
- 1、Double click SNWTool_setup.exe to start, enter installation interface (right click to choose “use admin account to run” if in windows 7)
- 2、Click “Next” to install according to the installation wizard



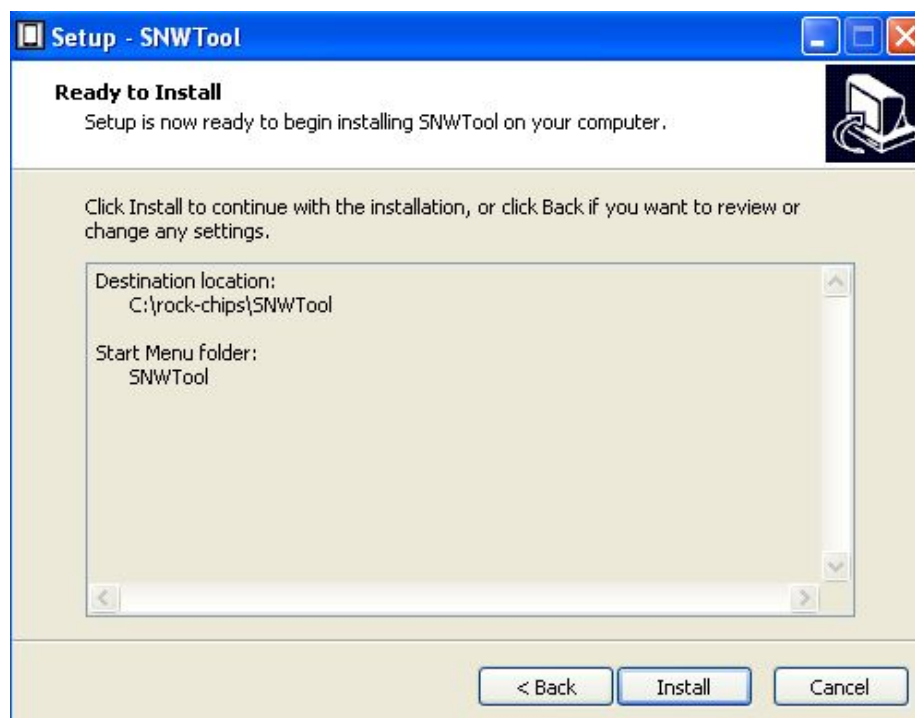
Picture 2 installation wizard interface



Picture 3 choose installation route



Picture 4 shortcut in menu bar



Picture 5 Start installing



Picture 6 install finished

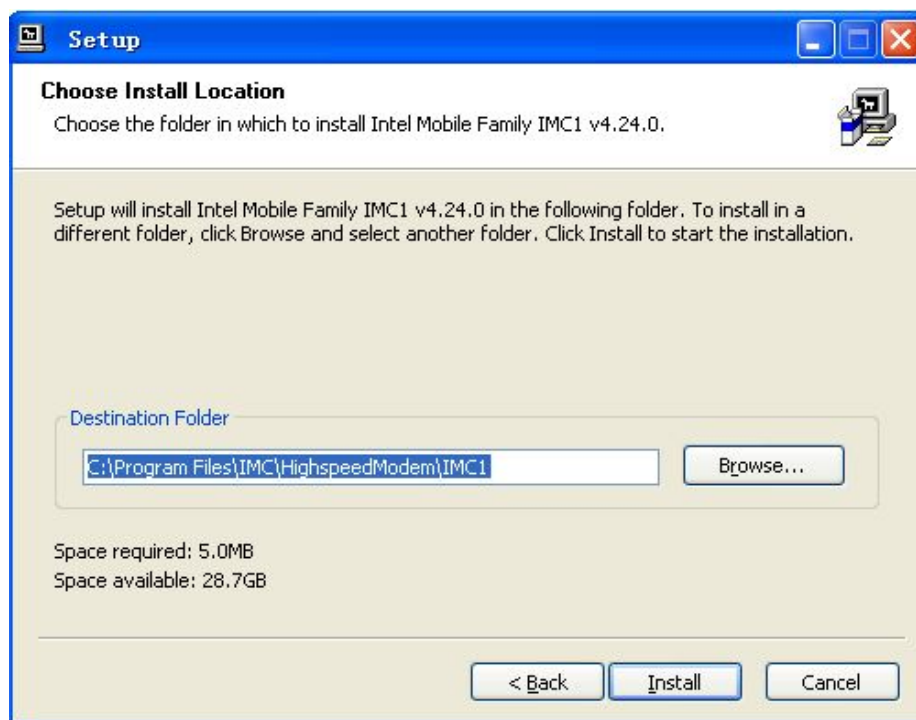
2、Install USB driver:

1、Driver setup file is in the software setup folder, e.g.: D:\rock-chips\SNWTool\Driver

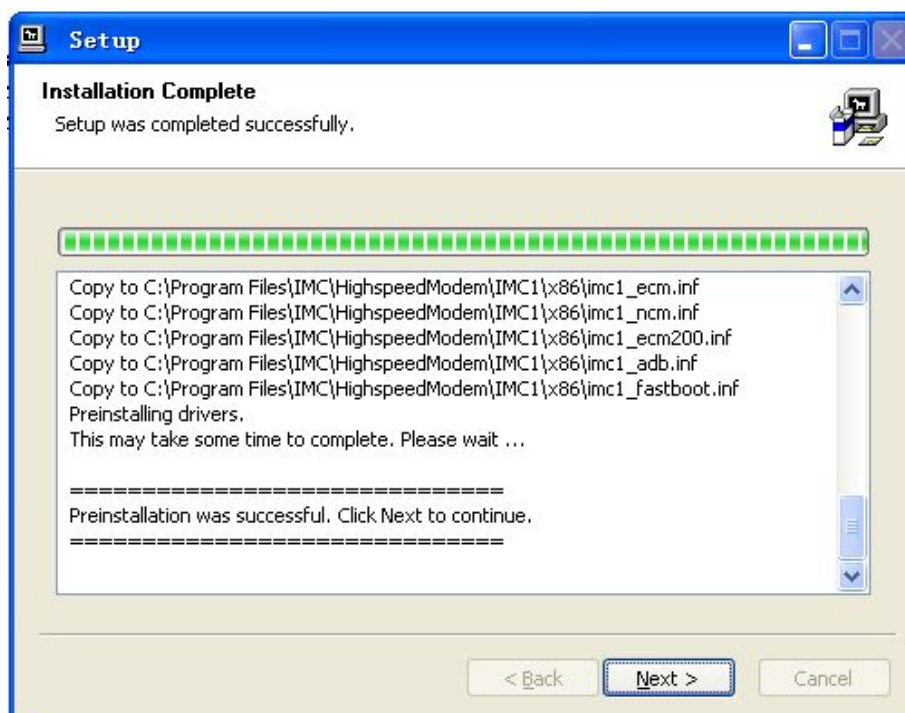
2、Double click setup.exe and install USB driver according to the hint (need to plug out USB during the process)



Picture 7 driver install 1



Picture 8 driver install 2



Picture 9 driver install 3



Picture 10 driver install 4

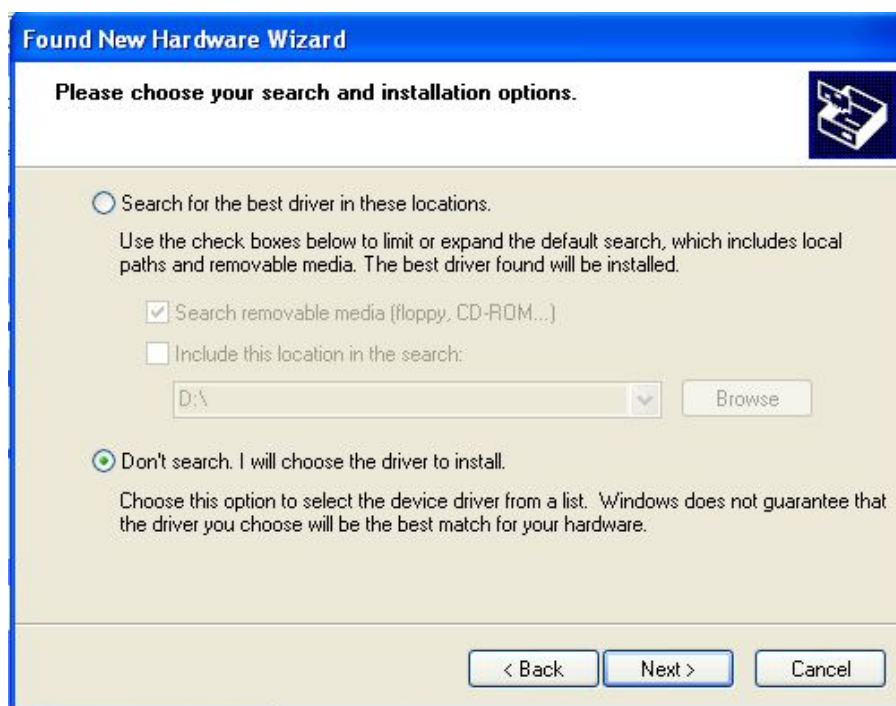
3、Recommend to use PC with WINDOWS 7, if it is WINDOWS XP, need to operate additional actions below:

- 1) Connect device to PC, it will pop up “CDC Serial” driver setup wizard, choose “Install from a list or specific location(Advanced)”, click “Next”



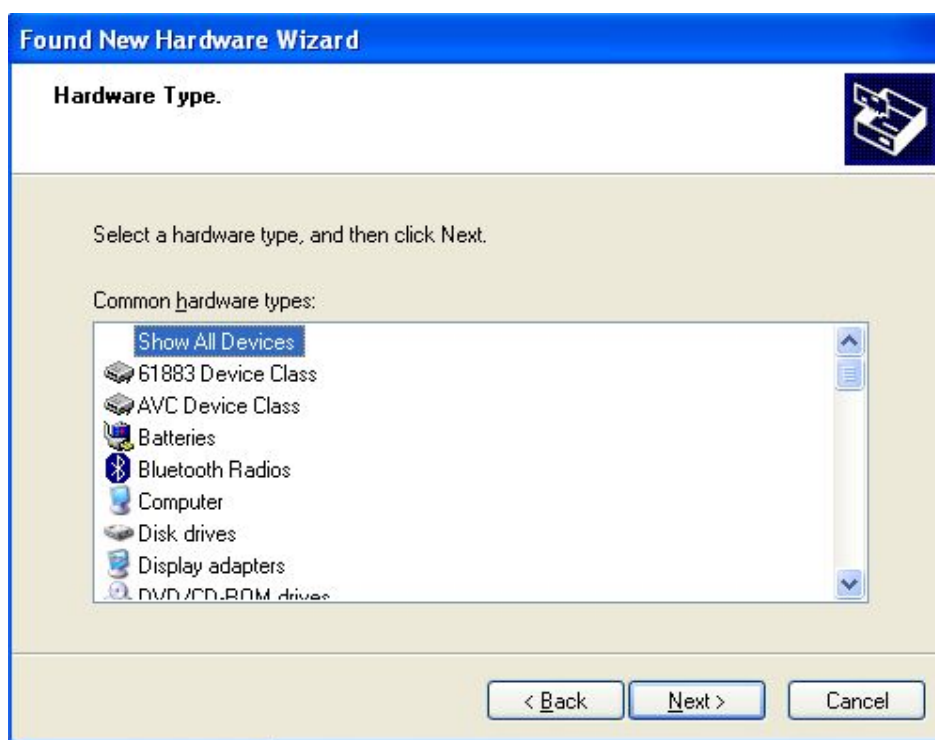
Picture 11 “CDC Serial” driver setup wizard 1

- 2) Choose “Don’t search. I will choose the driver from a list (D)” , click “Next”



Picture 12 “CDC Serial” driver setup wizard 2

- 3) Choose “Show All Devices” , click “Next”



Picture 13 “CDC Serial” driver setup wizard 3

- 4) Choose vendor as “Intel” , then can choose “Intel Mobil MI” in the corresponding type list, click “Next”



Picture 14 “CDC Serial” driver setup wizard 4

5) Driver installation finished.



Picture 15 “CDC Serial” driver setup wizard 5

6) There are 3 “CDC Serial” in total, repeat step 1~ step 5 to install the other 2 “CDC Serial” driver.

7) After install all “CDC Serial” drivers, PC will pop up “Intel Mobile AT Commands”, “Intel Mobile OCT Trace” and “Intel Mobile GTI/IPICOM” driver setup wizard successively, choose “auto install software (Recommend) (I)” and then click Next, PC will install the drivers automatically. If the three drivers setup wizard not pop up, open device manager, right click “CDC Abstract Control Model (ACM)” and click “update driver program (P) ...”



Picture 16 “CDC Abstract Control Model (ACM)”



Picture 17 “Intel Mobile AT Commands” driver setup wizard

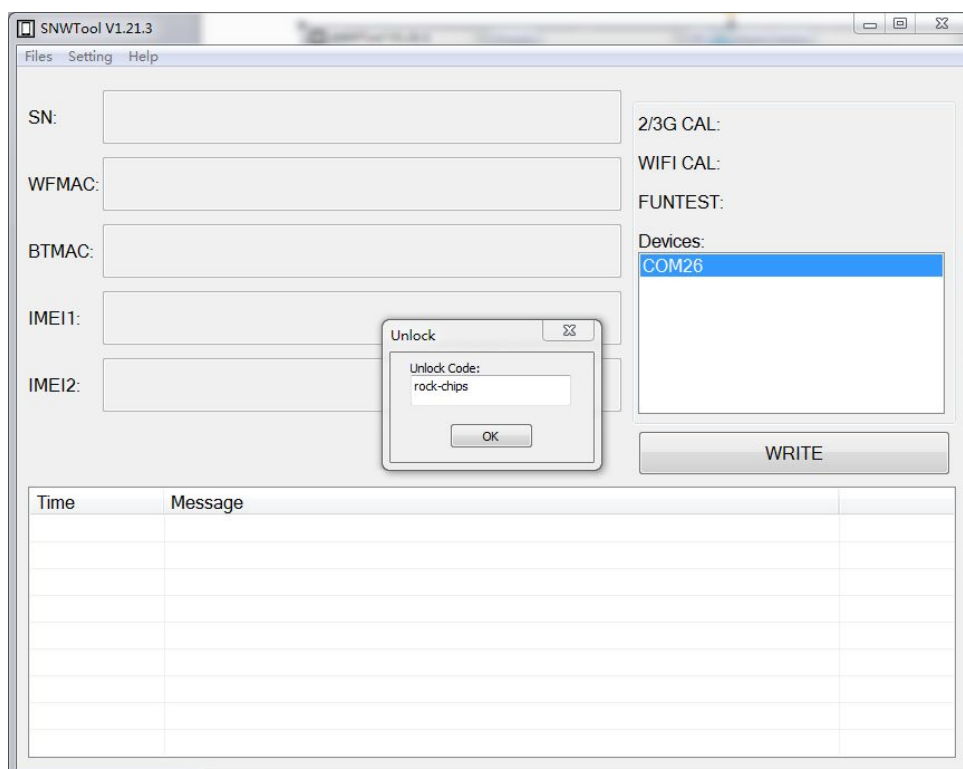
4、 After installed successfully, the driver can be seen in device manager



Picture 18 driver installation completed

二、operation instruction

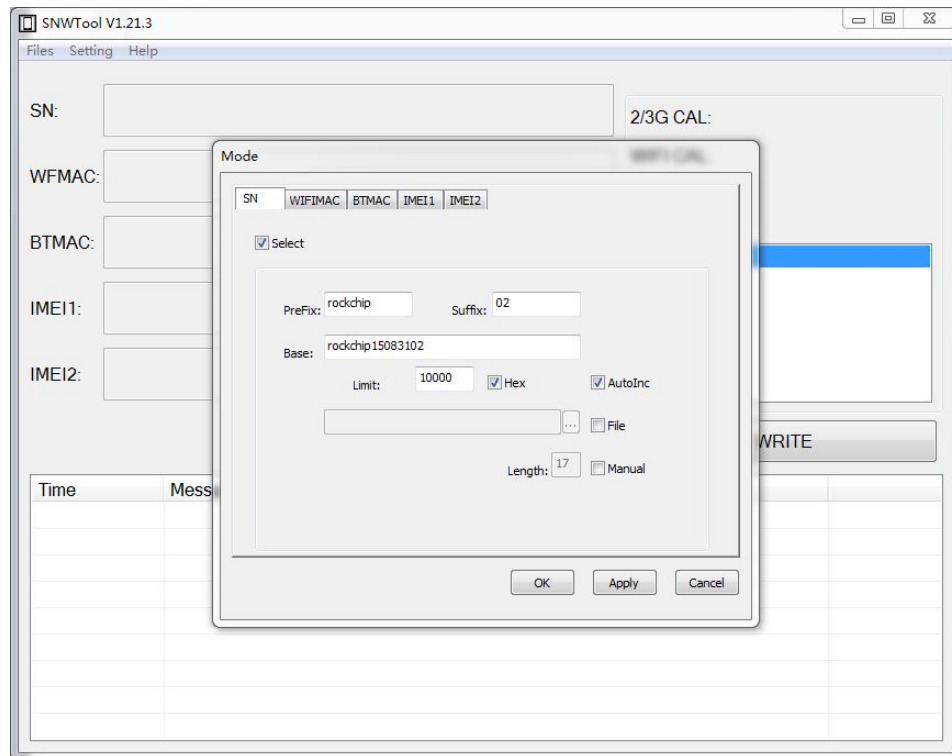
Software configuration needs to set SN, MAC and IMEI number enabled and generating method, including other user define setting. Need to unlock the configuration firstly. click menu “Help”->”Locked” to enter unlock interface, enter “rock-chips” in the dialog box and then click OK. Check if the device connected successfully after unlocked. If not connected, check if the device driver installed successfully. Change the device type in “File” -> “Device Type” according to different devices.



Picture 19 Unlock configuration

1、SN configuration:

1、Choose menu “Setting” -> “Mode” , pop up mode dialog box, choose “SN” label to enter the configuration interface



Picture 20 “SN” configuration interface

2、Select SN mode according to requirement:

1) ☒ 选择 Option, decide if write SN or not

2) ☒ 自增 Option, generate SN by adding 1 according to SN “start” setting (“Hex” option to choose hexadecimal or decimal) , “prefix” “suffix” can set the constant value of “start” and “quantity” is used to set the writable SN amount.

3) ☐ 文件 Option, file mode, software will read the next SN to be written from pre-generated file.

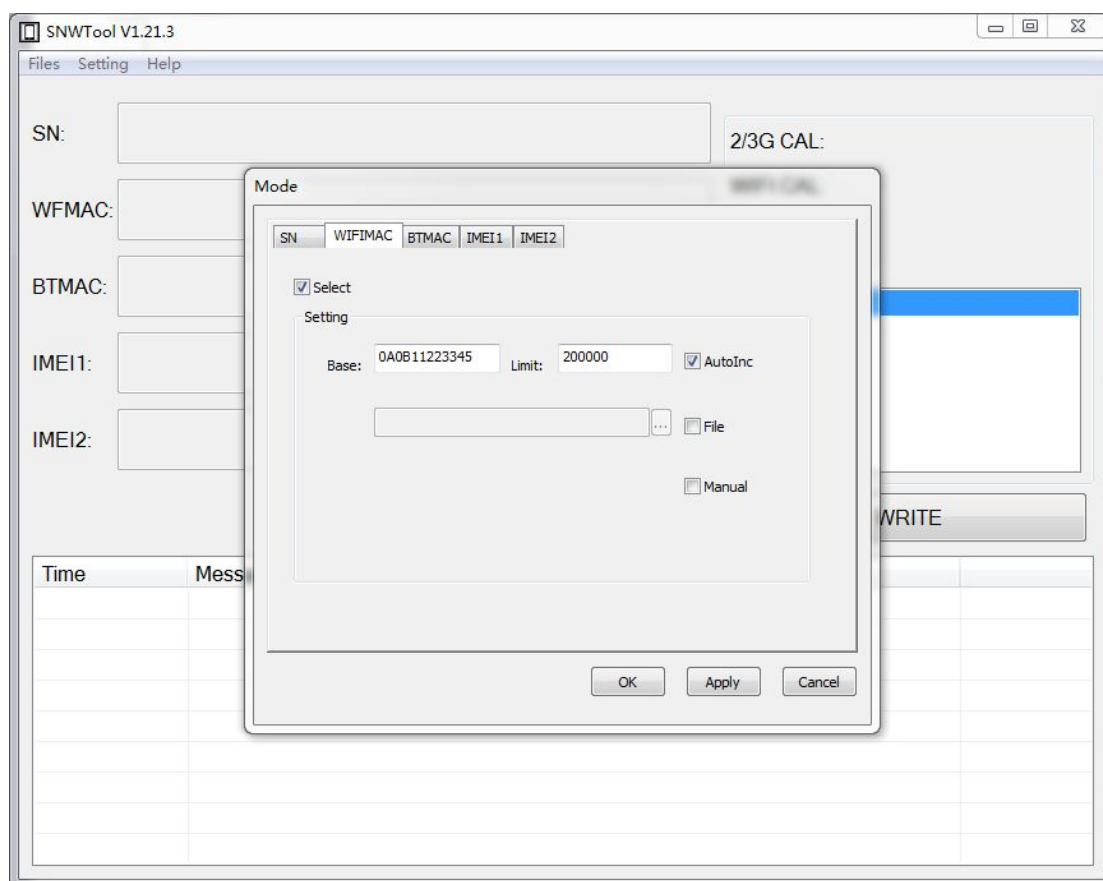
4) ☐ 手动 Option, choose manual input, need to input SN manually into SN dialog box in the main screen.

5) After configuration, click “OK” to save and quit configuration interface, “Apply” to save configuration, “Cancel” to quit configuration interface.

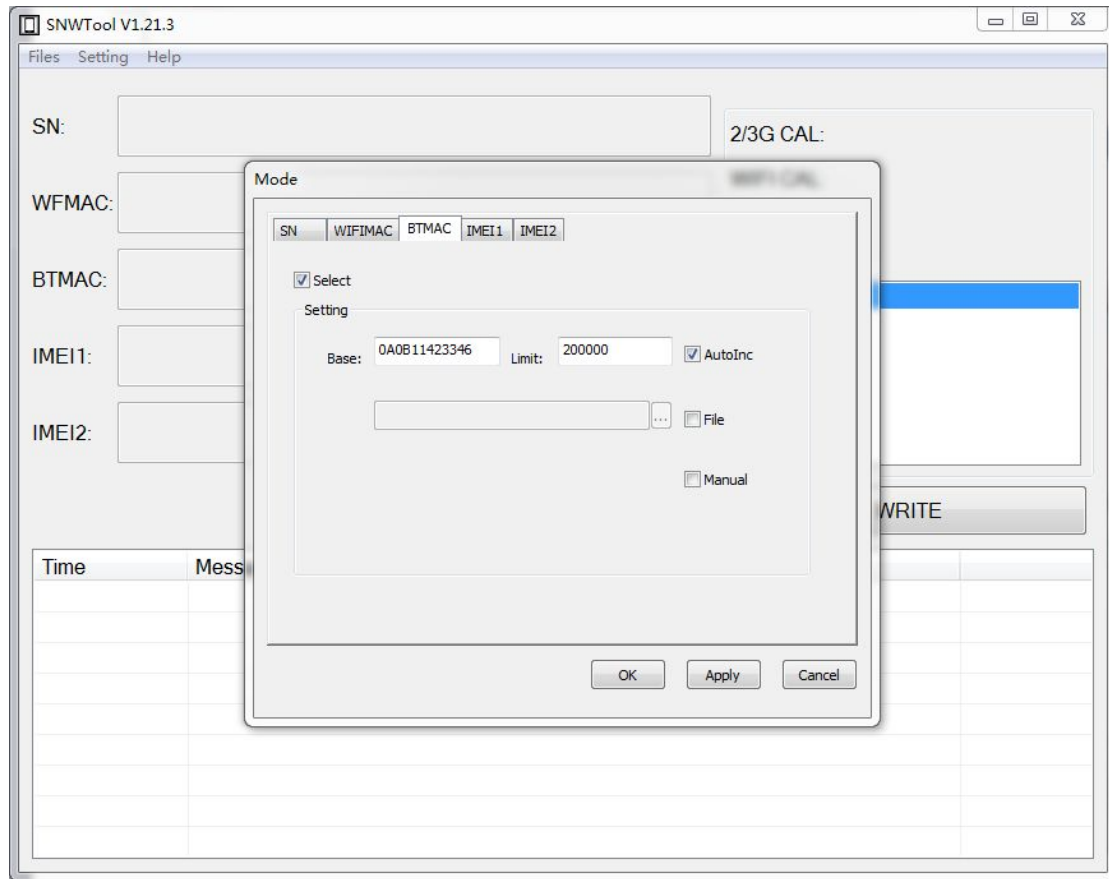
Note: 1、customers with GMS package need to pay attention to SN rule only allows letters or numbers and the length should be within 6~20(special symbols such as _、etc. are not allowed).

2、WIFIMAC、BTMAC configuration:

1、Choose menu “setting” -> “mode” , pop up mode dialog box, choose “WIFIMAC” and “BTMAC” to enter configuration interface.



Picture 21-1 “WIFIMAC” configuration interface



Picture 21-2 “BTMAC” configuration interface

2、Choose MAC mode according to requirement

1) ☒ 选择 Option, decide if write MAC or not

2) ☒ 自增 Option, software will generate next MAC to be written by adding 5 in hexadecimal according to “start” setting, “quantity” is used to set the writable MAC amount.

3) ☐ 文件 Option, file mode, software will read next MAC to be written from pre-generated file.

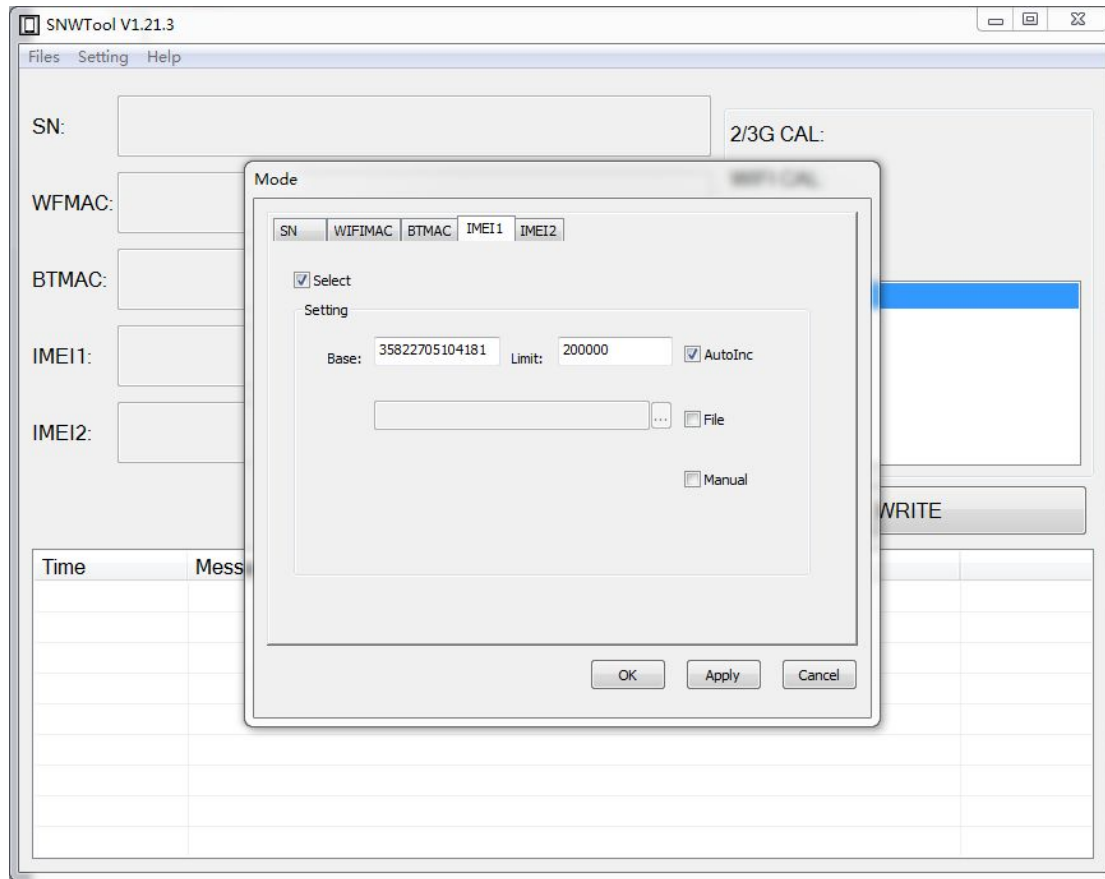
4) ☐ 手动 Option, choose manual input, need to input MAC manually into MAC dialog box in main screen

5) After configuration, click “OK ” to save and quit configuration interface, “Apply” to save configuration, “cancel” to quit configuration interface.

Note: MAC by default is flashed together with BT address, one device needs 5 MAC addresses, if want to add by 1, please select not to write BT address.

3、IMEI1 、IMEI2 configuration:

1、Choose menu “setting” -> “mode” , pop up mode dialog box, choose “IMEI1” (or “IMEI2” , use “IMEI” if not specified) to enter configuration interface.



Picture 22 “IMEI” configuration interface

2、Choose IMEI mode according to requirement

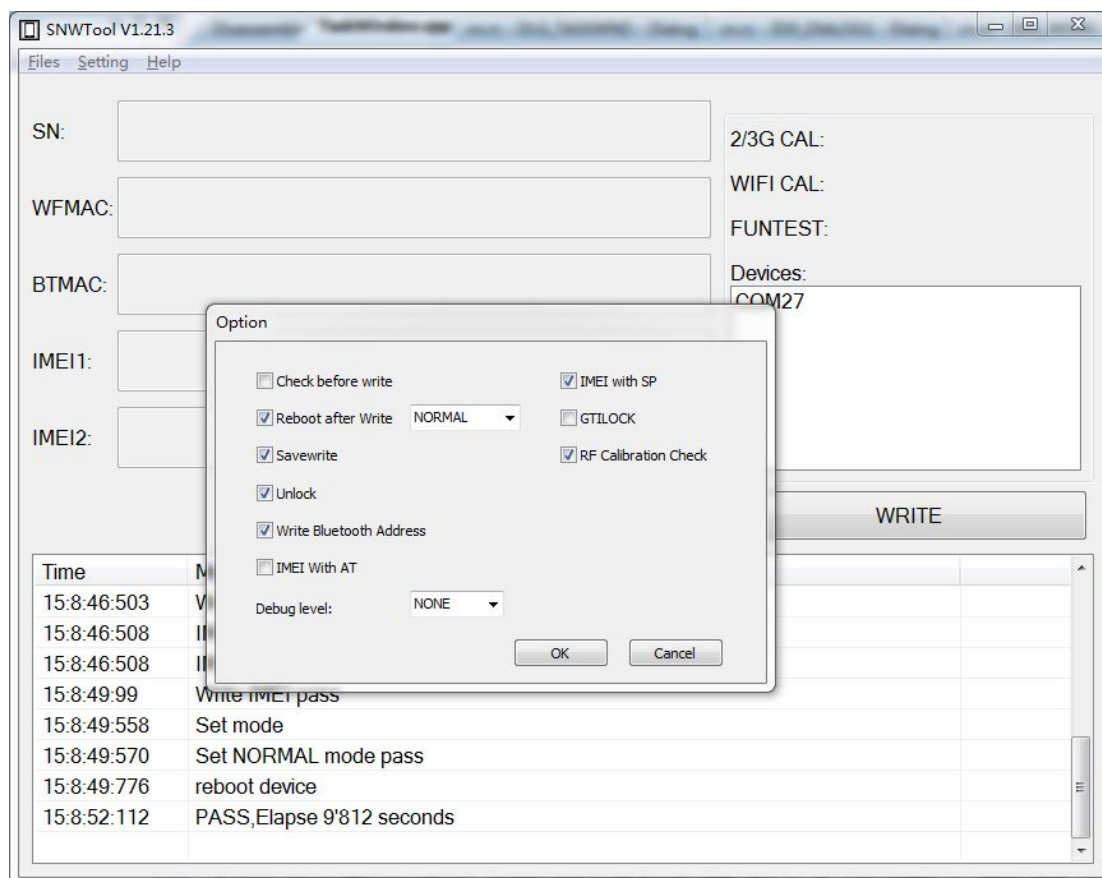
- 1) ☒ 选择 option, decide if write IMEI or not.
- 2) ☒ 自增 option, software will generate next IMEI to be written by adding 1 in decimal according to “start” setting, “quantity” is used to set writable IMEI amount.
- 3) ☐ 文件 option, file mode, software will read next IMEI to be written from pre-generated file.
- 4) ☐ 手动 option, choose manual input, need to input MAC manually into MAC dialog box in main screen.
- 5) After configuration, click “OK” to save and quit configuration interface, “apply” to save configuration, “Cancel” to quit configuration interface

Note: if need to write “IMEI2”, in “IMEI2” there is another ☐ IMEI1 option, tick it, IMEI2 will be generated by IMEI1 + 1.

4、Other setting

- 1、Different device type may have different writing method, so need to set device type. click “file” -> “device type” to set the type, default setting is “Sofia 3GR”.
- 2、Click “setting” -> “other option”, pop up “other option” dialog box, generally, no need to change

the configuration here, but if needed, please confirm the content you want to change.



Picture 23 other option

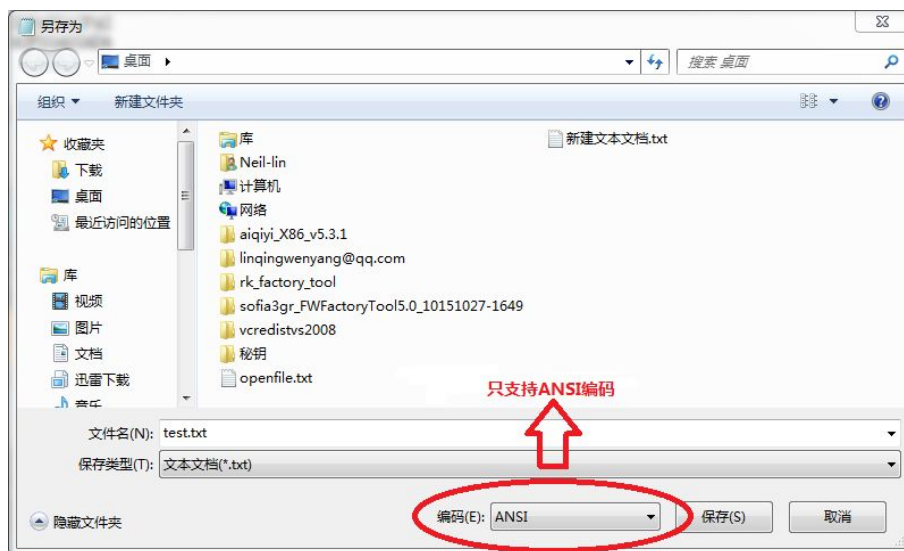
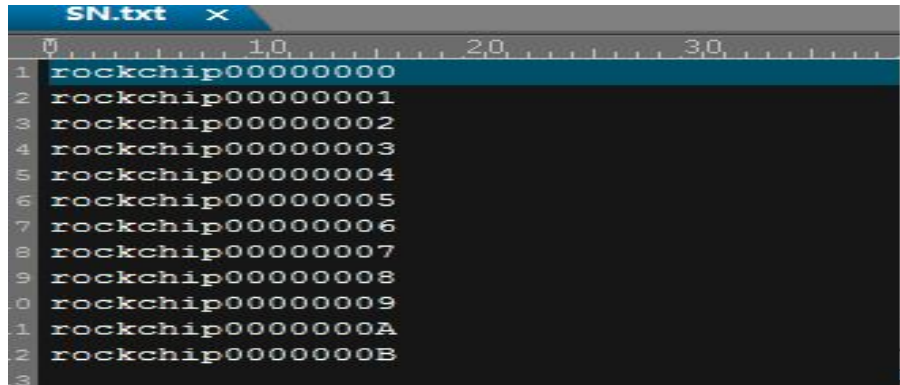
- 1) ☒ 写入前校验 Decide if need to read device sn or not before writing, if already written, then skip.
- 2) ☒ 写后重启 Decide if need to restart device or not after written, choose next boot up mode in right drop-down box, default setting is to enter android system(NORMAL) after restart.
- 3) ☒ 写入保存 Decide if need to save the content or not which already written successfully. If ticked, will save the content in the TXT file which name ended in date under the installation directory.
- 4) ☐ 下次启动后不锁定 This option to decide if need to unlock when enter the tool configuration interface next time.
- 5) ☒ 写蓝牙地址 Decide if need to write bt address when writing MAC
- 6) ☒ IMEI SP位 IMEI default has 15 bit, the last bit is used for calibration, can be generated by software, this option is used to choose if need to input the last bit manually.

7) ☒ RF校准验证

Decide if need to verify device WIFI calibration, 2G、3G calibration,

function test pass or not

3、File mode, need to pre-generate file, in file, every line separately stands for one number (only support ANSI coded format file)



Picture 24 file format

三、write SN

After configuration, input the written item into edit box in main screen (if configured as manual mode), will also be effective in both auto mode and file mode. If device already connected and “setting”->“auto” chosen, the tool will write sn automatically, otherwise, need to click “write” button to start. During input and write sn in edit box process, please pay attention to below points:

1、If configured as manual input, tool will real-time monitor input data accuracy. The input focus jump to next input item automatically only after input correctly, need to confirm all content input manually and device connected, and then start to write sn.

2、During write sn process, software will return “**FAIL**”、 “**PASS**” , which mean:

1) **FAIL**: write sn failed, please check if device corresponding item writable or not, or if device connection stable or not;

2) **PASS**: write sn successfully

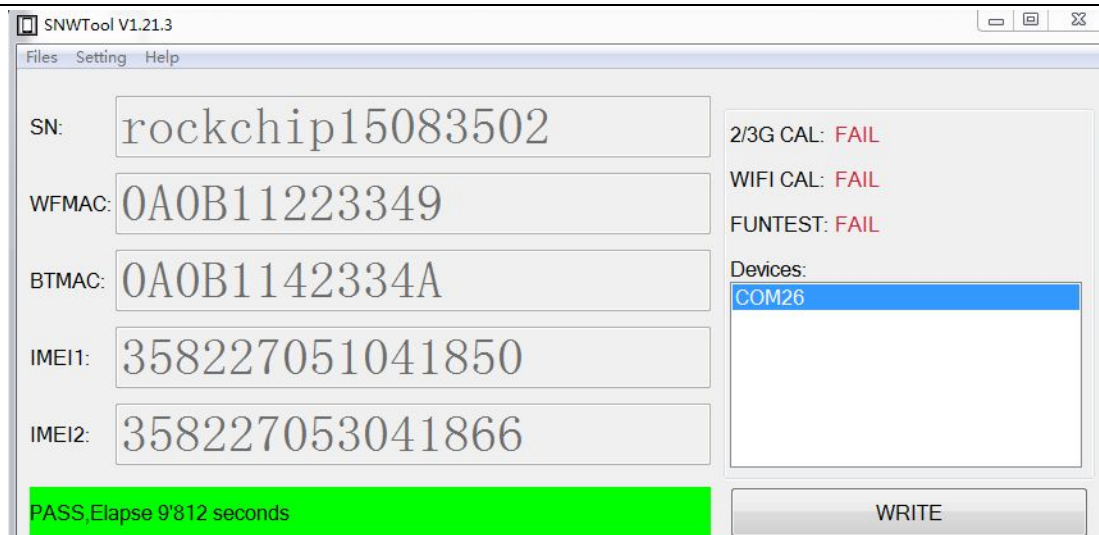


图 24 2/3G WIFI calibration, function test instruction