

## RSA Series ROM recovery instruction(FULL recovery).

**Read thoroughly before you begin, there are timing sensitive procedures to follow.**

**Nothing is too dangerous here. Afterall, this is how to recover a bricked device. So It doesn't matter if your device get bricked while doing this.**

1. Install MediaTek VCOM driver.

Please Google search how to install Mediatek Vcom or preloader driver.

Basically, it's all the same, adding VCOM drivers as legacy hardware. **If any instruction requires connecting the device**, just **skip it**. Your windows will automatically recognize the device when we are actually connecting to it. It does just make sure the driver is already installed in your Windows driver packages.

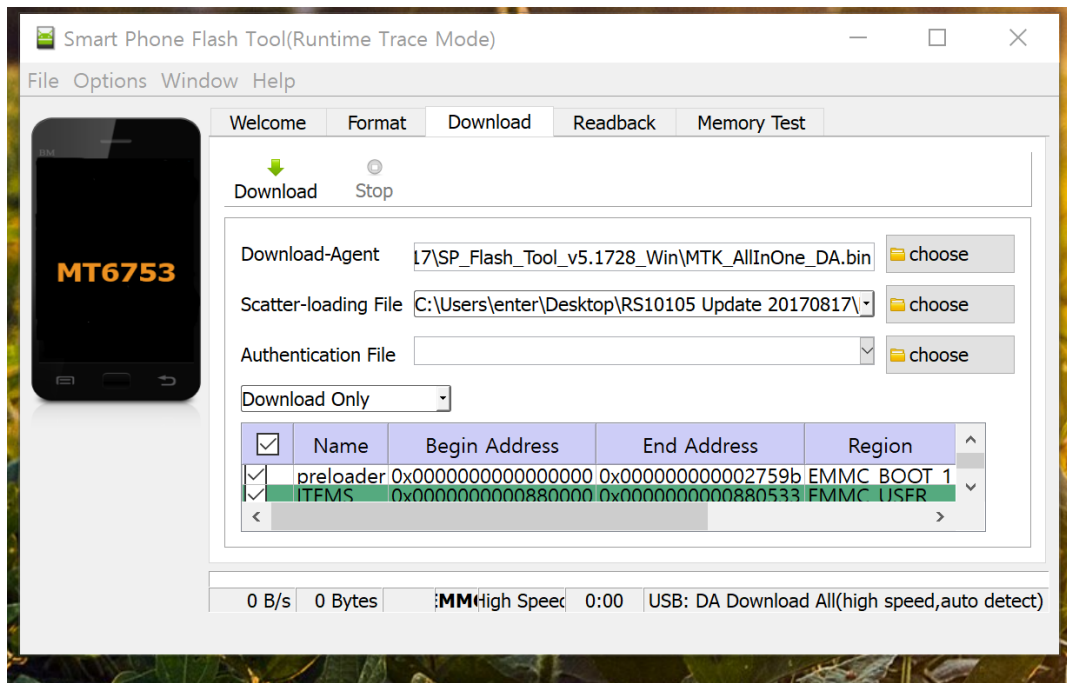
2. Download the beta firmware folder and Tools.zip file.

📁 M8.Q5.1.0.1.08171943\_ENG

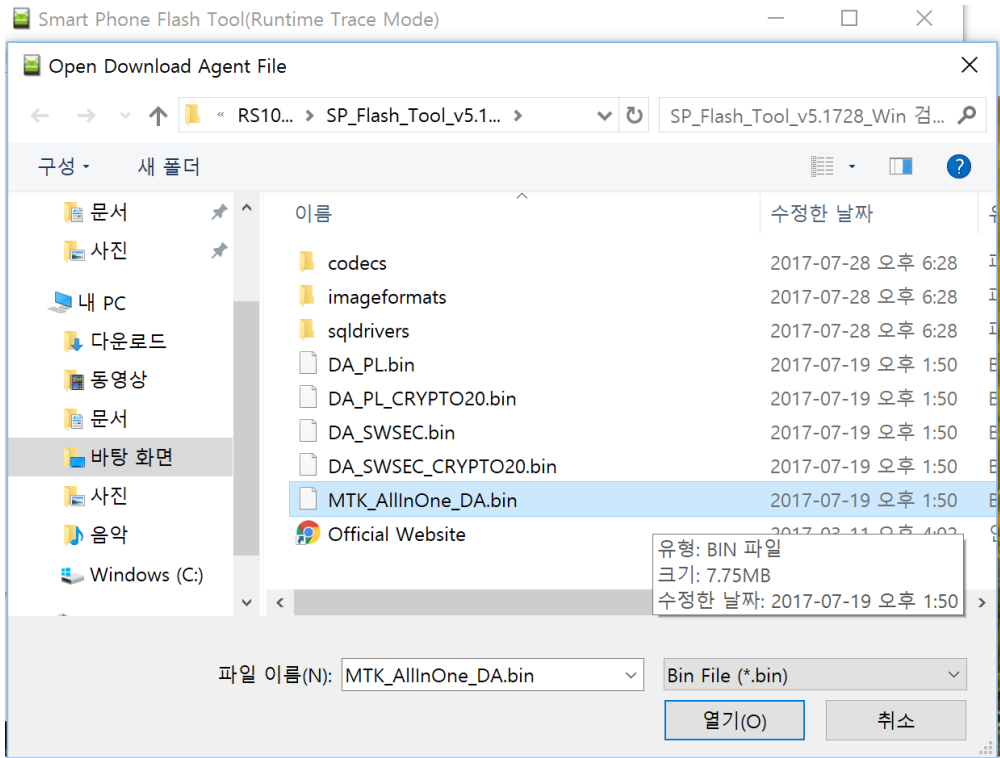
📁 SN\_Write\_Tool\_v1.1728.00

📁 SP\_Flash\_Tool\_v5.1728\_Win

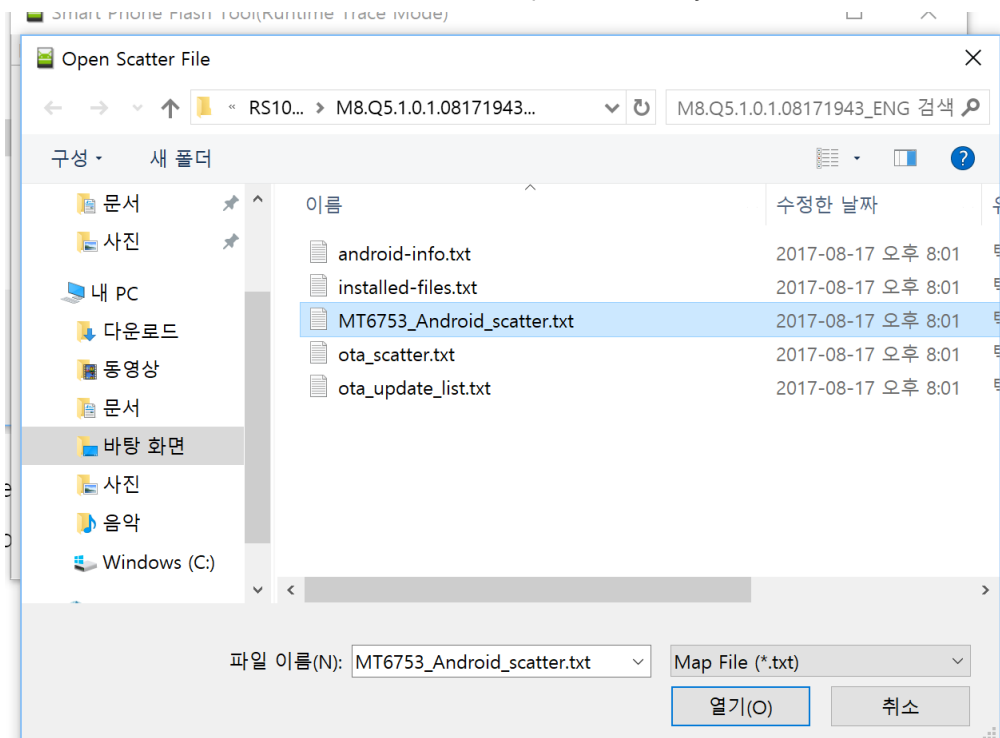
3. Go to SP\_Flash\_Tool\_v5.1728\_WIN and run 'flash\_tool.exe'



4. Select Download-Agent as '**MTK\_AllInOne\_DA.bin**' in the '**SP\_Flash\_Tool\_v5.1728\_WIN**' Folder. You need to do this even if the path is already seemed to be set.

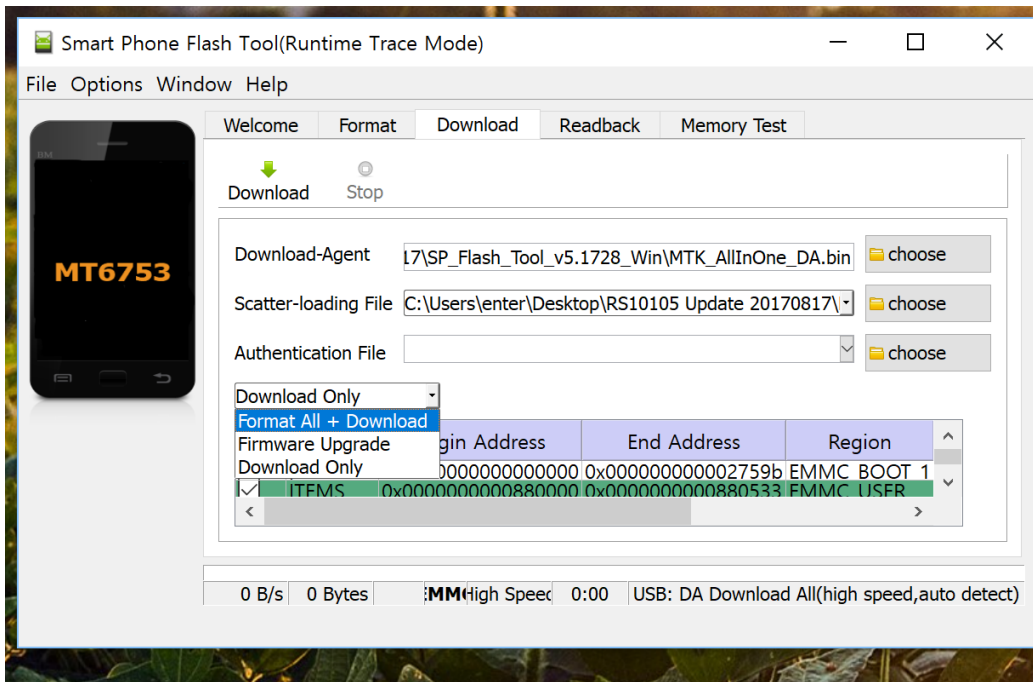


5. Select Scatter-loading File as 'MT6753\_Android\_scatter.txt' in the '1024 600 Recovery Kit EU' Folder. You need to do this even if the path is already seemed to be set.

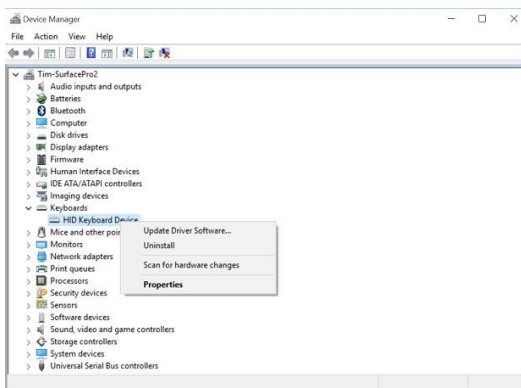


6. **[IMPORTANT]** Choose '**Format all + download**' from the drop down menu.

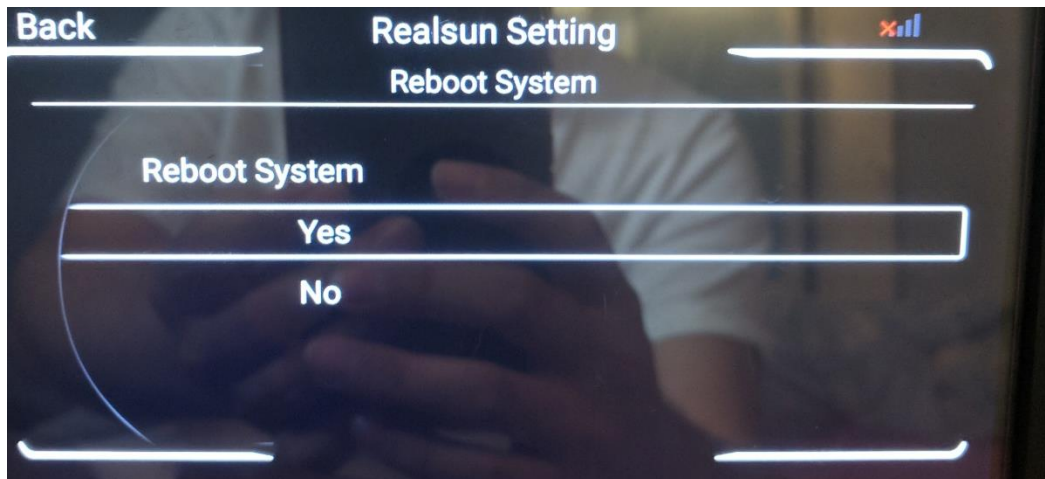
And leave like this for now. Do not close it, but leave it minimized.



7. Go to your car with your laptop and Male-to-Male USB cable ready. Once you unlock your door using remote, the device already has begun booting. Start your car or if you think your battery is fine start only the radio, then you will be able to see the device screen. Let it boot until you see the main screen.
8. Once you think the booting is complete, go ahead and connect USB cable to the device's USB port.  
**Nothing will happen. That's normal. The device's USB is getting activated momentarily while booting.** Just stay connected for the both end of USB cable.
9. Go to your Windows control panel, and run up 'the device manager'. Leave it open.

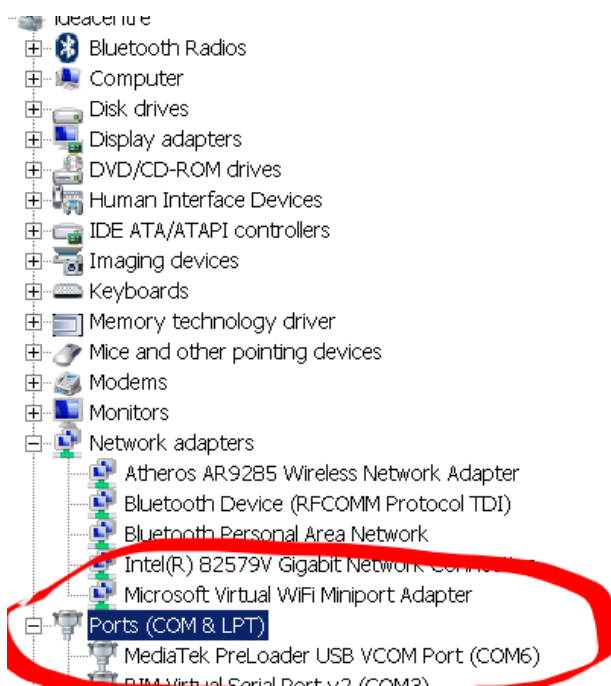


10. Go to 'Realsun Setting' app in the device, and 'Restart the system', 'Yes'. **The USB must be connected, and you need watch the device manager in your windows!**

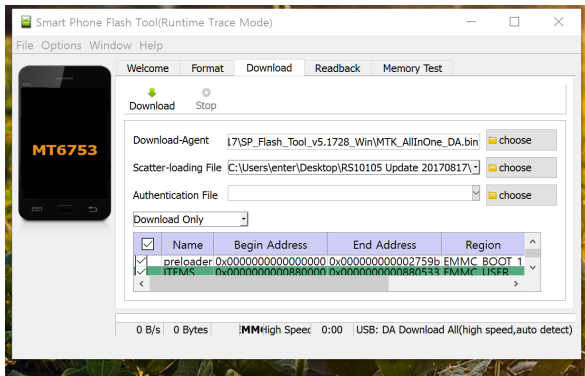


If your device is bricked, then disconnect the main connector, and plug the main connector back, this is to induce the bootloader to go to the download mode.

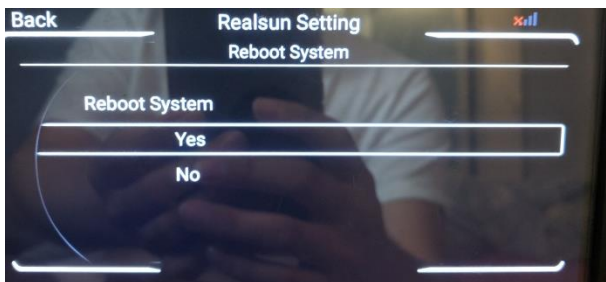
11. Once the screen went off and even before the initial warning message with the grey B8 image appears, you will **hear the USB device connection sound**. If you installed VCOM driver correctly, **MediaTek Preloader USB VCOM Port, will show up for two seconds** and will **dissappear**. Then you **will hear the USB device disconnection sound soon**. Then again you will **hear the USB connection sound again**, and 'Mobile device will appear on the device manager, and it will add Android ADB driver by itself. Let it proceed. **Important thing is to see if MediaTek Preloader USB VCOM Port was active for two seconds. If you saw something else than the word 'Preloader', then you need to install the driver again from the first.**



12. If you think you saw **Preloader port was active** and there was **no exclamation mark** at the device manager, **you are ready**. Let the device boot up. And bring back 'Flash\_tool.exe' that you kept minimized before.

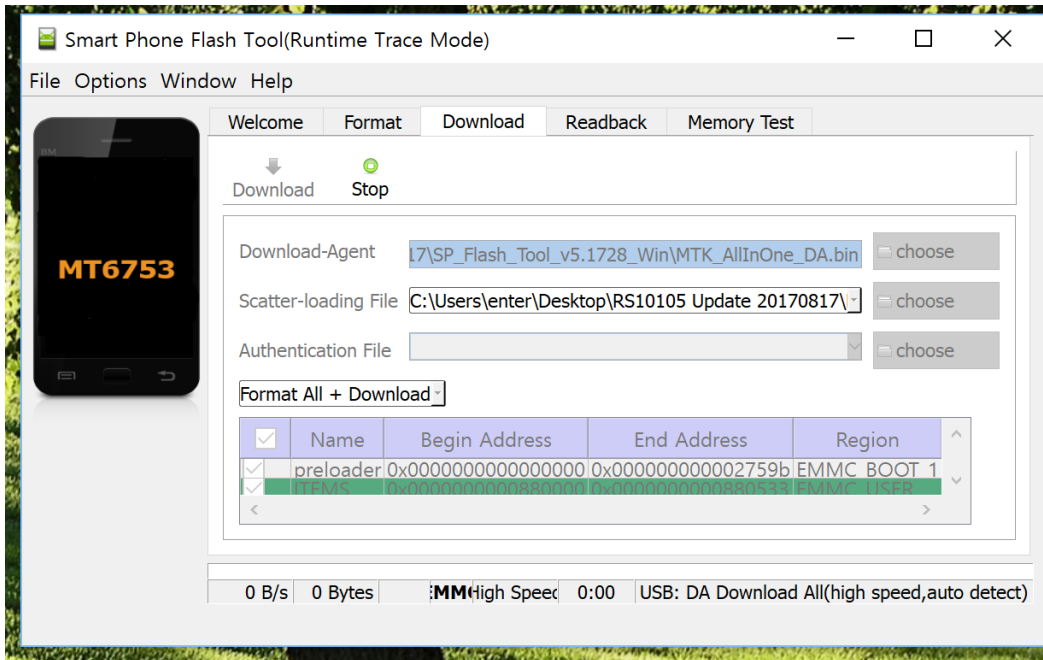


13. [Important]Go to 'Realsun Setting' app in the device again, and choose 'Restart the system'. **Do not press 'Yes' yet.** // If you bricked your device, this is the step that you **disconnect the main connector**.

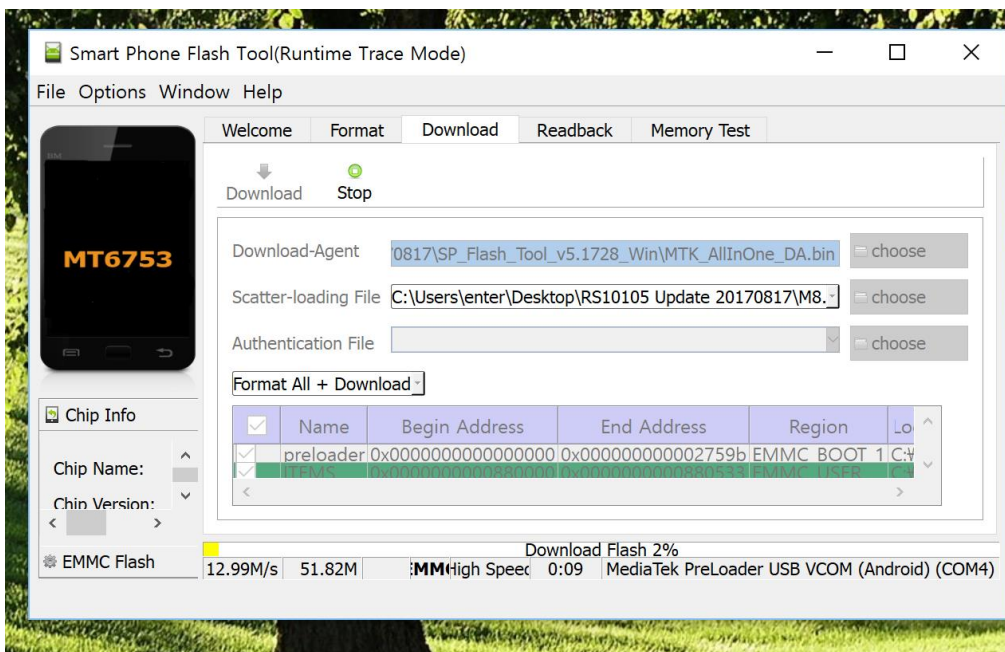


14. Before press 'Download', make sure it's 'Format All+Download'. Press '**Download**'. **Nothing will happen. It's normal.**



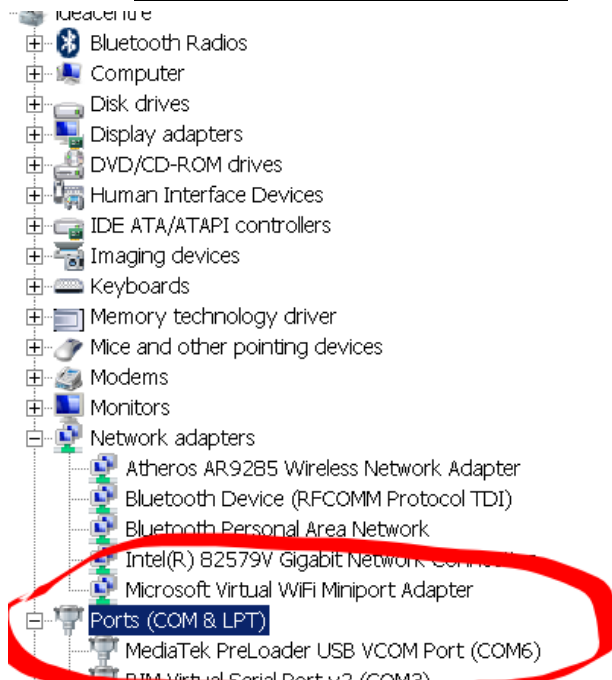


15. **Now quickly click 'Yes' on the device! It will reboot. If you bricked your device, this is the timing to reconnect the main connector.**
16. *The device screen will be black, you will hear the USB connection sound, and there will be changes in your 'Flash tool screen'. It should be formatting and then downloading like below. Will take about 5 min to flash the firmware. Leave it until it completes.*

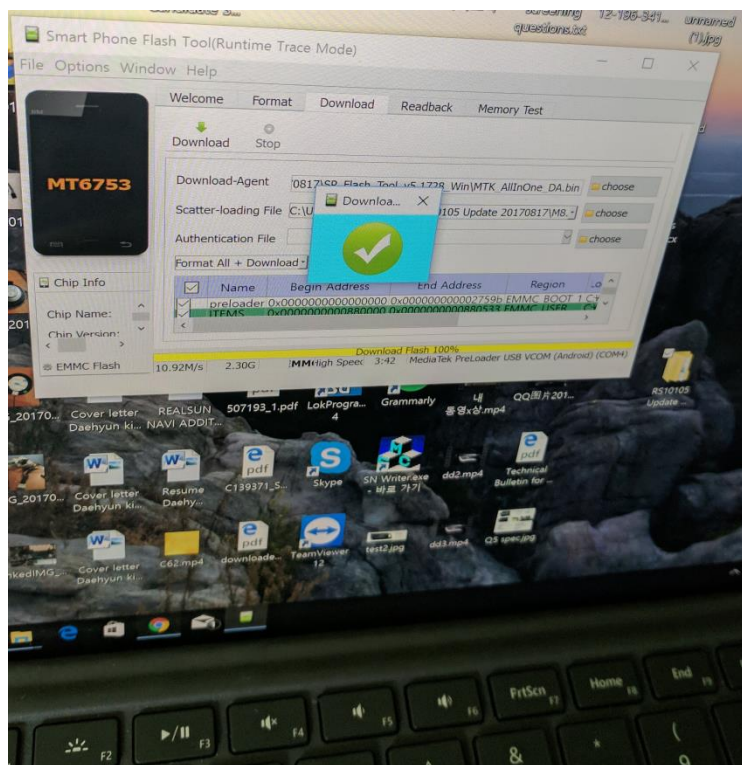


17. If things are alright, you will see 'MediaTek PreLoader USB VCOM Port' is present and stay connected until the flash is complete. **If the device didn't stay black out, and there is no progress in 'Flash tool', and the VCOM Port is not presented in the device**

**manager, then you install the driver, again.**



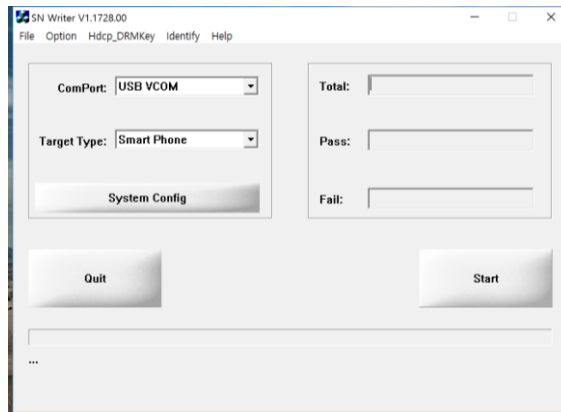
**18. Once complete you will see this in your laptop.**



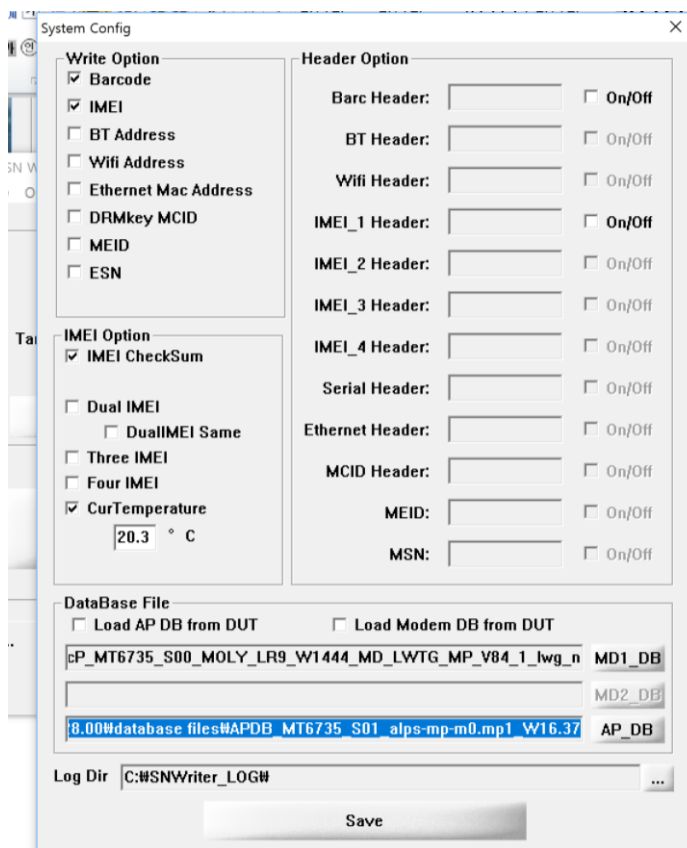
**19. The device would stay in black out. Reset the device by pushing a sharp material into the reset hole on the front left side of your device's screen. 3 seconds of push will be enough. Then device will start up as normal. Booting will take more time than usual, since we just flashed the whole ROM. Wait until it finishes booting. Once, booting is**

complete, go to 'App picker'(six dots in a circle on the middle right of the screen) and go to 'Realsun Setting' and get ready to reboot. **Do not press 'Yes' to reboot, until you are asked to do so.**

- Now, you have to write **NVRAM for mobile modem and Bluetooth**. On your laptop, close 'Flash tool' and go to 'SN\_Write\_Tool\_v1.1728.00' folder, and run 'SN Writer'. USB cable should have to stay connected



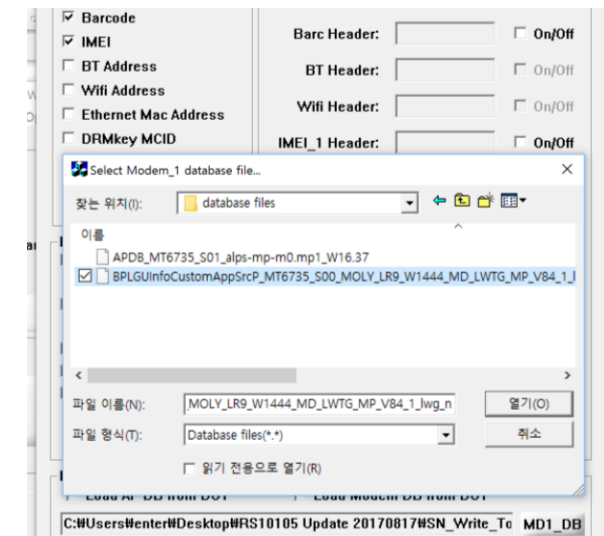
- Click 'System Config', Change nothing, but it should look like below.



- Click MD1\_DB and choose '**BPLGUIInfoCustomAppSrcP\_XXXXXXXXXXXXXXXXXXXX**' file in

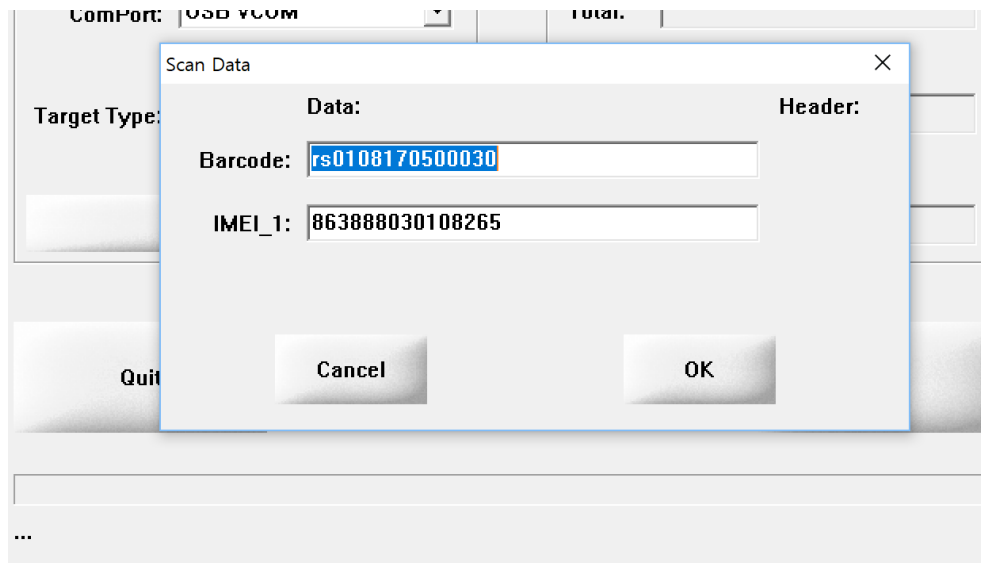


'database' folder, which is a sub-folder of 'SN\_Write\_Tool\_v1.1728.00' folder, and click 'open'.



23. Click AP\_DB and choose 'APDB\_XXXXXXXXXXXXXXXXXXXX' file in 'database' folder, which is a sub-folder of 'SN\_Write\_Tool\_v1.1728.00' folder, and click 'open'. Then Click 'Save'

24. Press Start and you will see this.

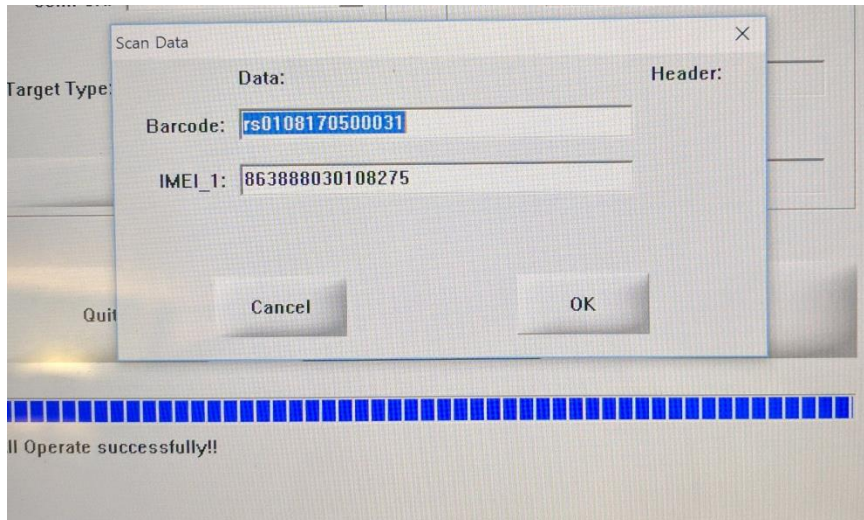


Enter the pre-assigned numbers for BARCODE and IMEI No. from the sticker outside of your shipping package box, or the backside of your device. If you can't find your 'rs...' Serial number and IMEI no., **let me know that I will assign you the new one.** DO NOT PRESS 'OK' YET.

*[Important] Please, do not choose both Barcode and IMEI number without any discussion with us, because devices with the same Barcode and IMEI in the same continent will cause conflict!*

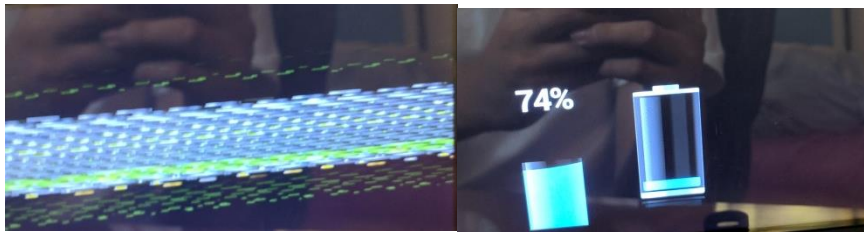
25. When you entered the both Barcode and IMEI\_1 with your assigned number, **press OK in your laptop, and immediately click 'Yes' on the device to reboot.** SN Writer will wait **only 30 seconds** to the device's pre-loader VCOM ports to open.
26. If everything goes smoothly, the progress will look like the followings.





Press cancel and close the program, disconnect USB cables.

Meanwhile, device will look like this, but it's normal.



Leave it for 5 minutes and it will restart to boot normal or push the reset button. ***if the device doesn't boot correctly, disconnect & reconnect the main cable to the device, if possible.*** If not, just leave the car and lock it, so that the power will be shutdown automatically after 5~ 10 minutes after the car is locked. Then go to the car again, it will boot normally.

If SN Writer returns an error, either you have **VCOM Driver issue** or **you did not select 'Format all + Download'** but something else **while flashing the ROM.** Repeat what is necessary.

It's done for firmware recovery.