

## How to Update OS for S58 S59

Step 1, Install OS update program.

1.1, Copy the folder 'OS Updating tool' and related OS to your PC, then install update program which in the folder 'output', and its name is SPMultiPortFlashDownloadProject, , as the figure 1.0, 2.0 and 3.0.

Name	Date modified	Type	Size
OS	2019/3/1 15:43	File folder	
OS Updating Tool	2019/3/1 16:22	File folder	

Figure 1.0

SLA_Challenge.dll	2017/6/12 15:37	Application extens...	24 KB
SLA_Challenge	2017/6/12 15:37	Object File Library	1 KB
SP_META_Wrapper.dll	2017/6/12 15:37	Application extens...	58 KB
SPBootMode.dll	2017/6/12 15:37	Application extens...	1,249 KB
SPMETA_DLL.dll	2017/6/12 15:37	Application extens...	3,680 KB
SPMultiPortFlashDownloadProject.cgl	2017/6/12 15:37	CGL File	4 KB
SPMultiPortFlashDownloadProject.drc	2017/11/9 16:07	DRC File	31 KB
SPMultiPortFlashDownloadProject	2017/11/9 16:07	Application	2,052 KB
SPMultiPortFlashDownloadProject	2018/6/1 14:32	Configuration sett...	3 KB
SPMultiPortFlashDownloadProject	2017/11/9 16:07	Object File Library	14 KB
SPMultiPortFlashDownloadProject	2017/11/9 16:07	Linker Address Map	2,123 KB

Figure 2.0

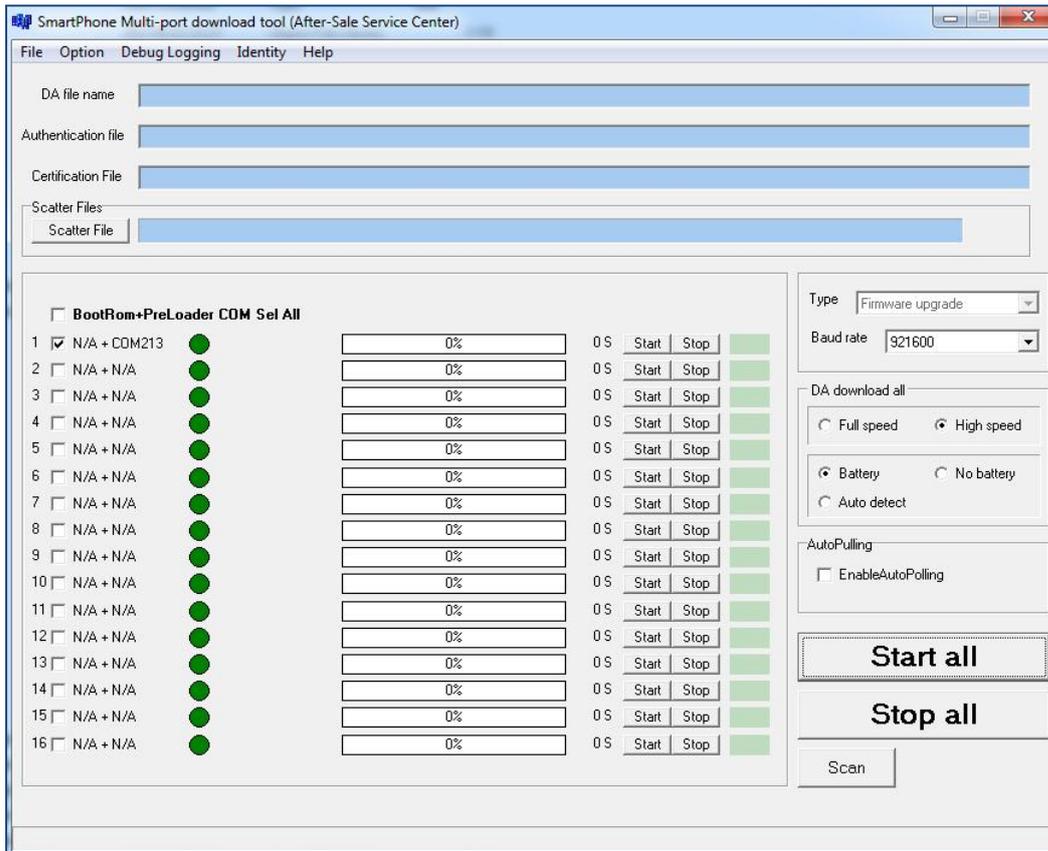


Figure 3.0

**1.2, Configure OS update program.** Please click the icon 'File', and choose the option 'Open Download Agent File', then choose the 'MTK\_AllInOne\_DA.bin' of folder 'output' in folder 'OS Updating Tool' as figure 4.0 and 5.0. In the meantime, click icon 'Scatter File', and choose the file 'MT6753\_Android\_scatter' in the folder 'OS' as figure 6.0. Please power off the device and let it connect PC with USB cable, then click icon 'Scan' in figure 7.0 to search COM port , and choose option 'Yes' in the figure 8.0.

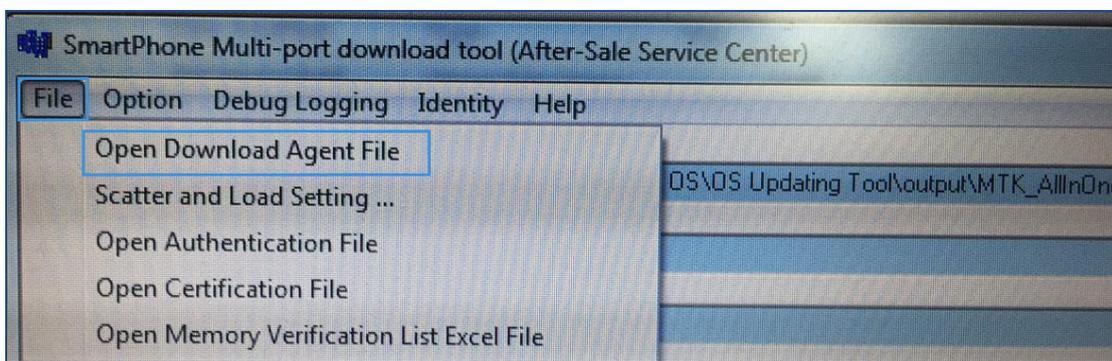


Figure 4.0

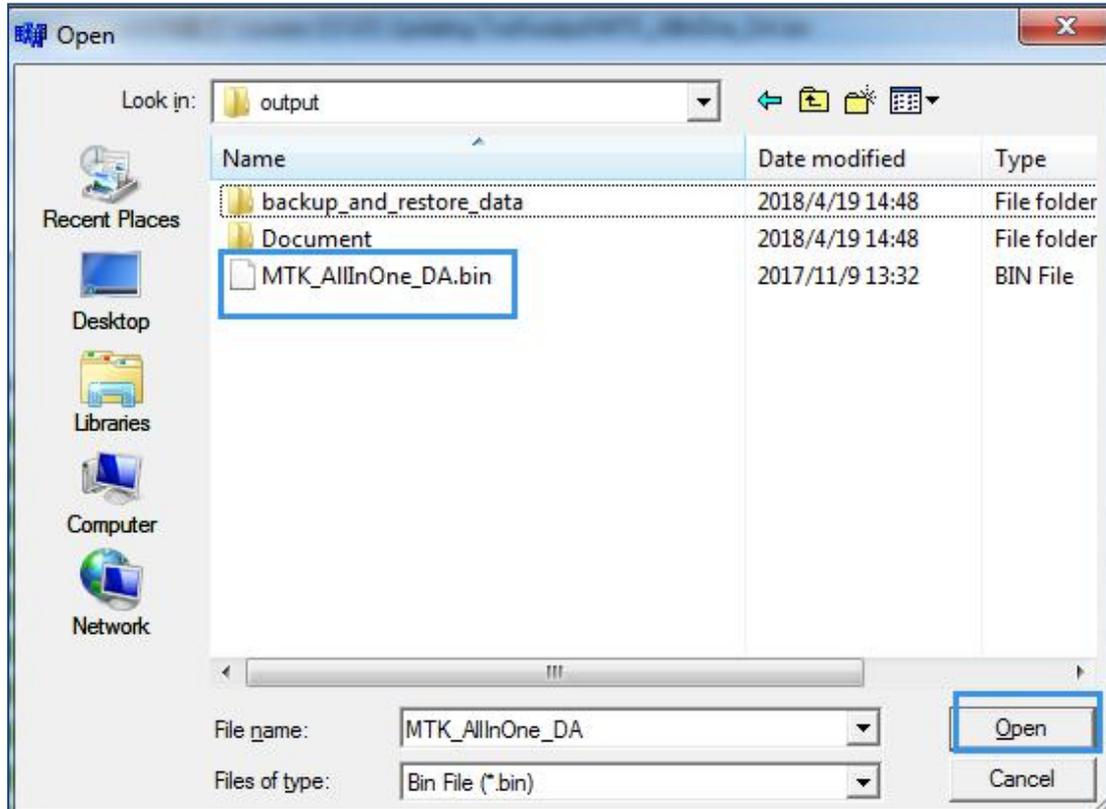


Figure 5.0

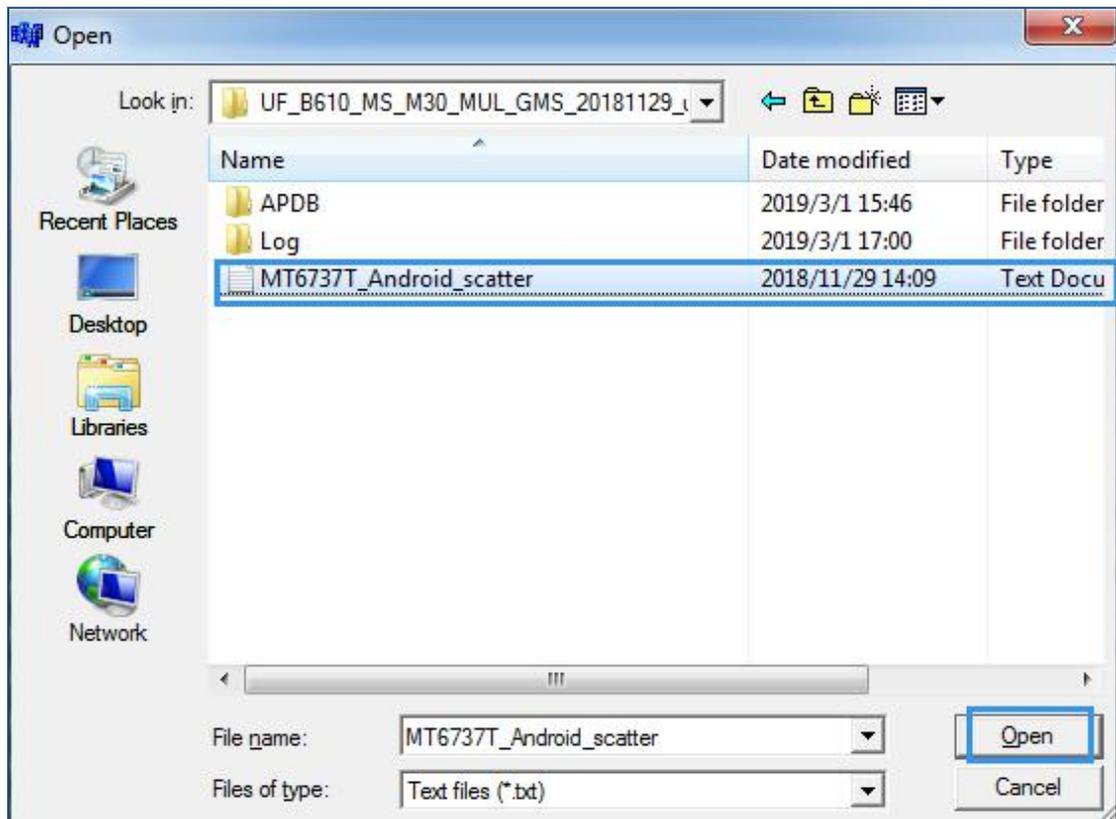


Figure 6.0

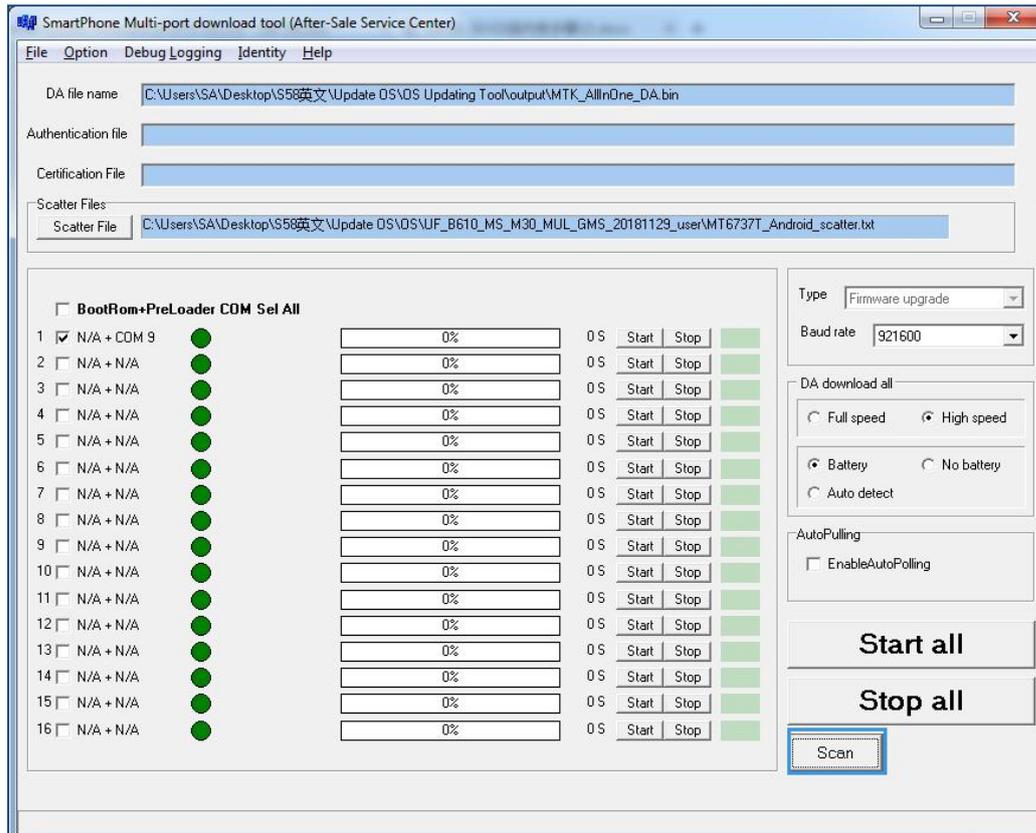


Figure 7.0

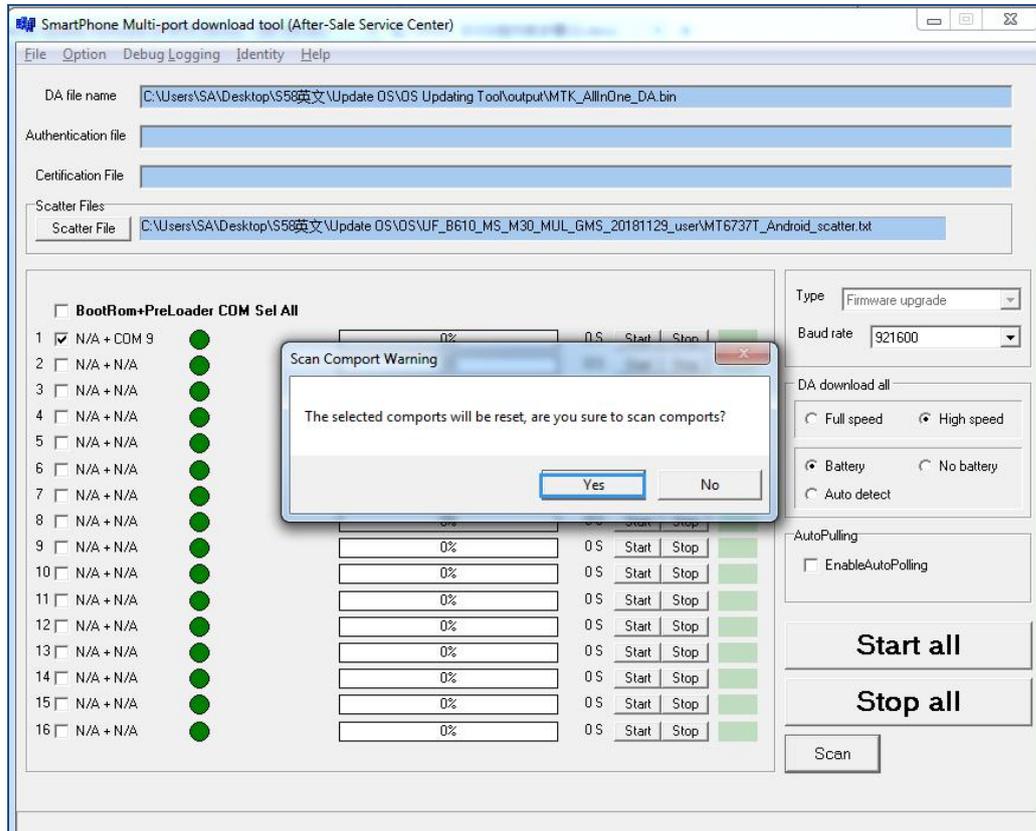


Figure 8.0

Note: If PC can't search COM port, as figure 9.0 and 10.0.

Please close the update program, and find the file 'SPMultiPortFlashDownloadProject.ini' in the folder 'OS updating tool', modify the value of option ScanComport Type as 1, as figure 11.0 and 12.0, save this configuration and open the update program again.

Please power off the device and let it connect PC with USB cable, then click icon 'Scan' to search COM port again. Usually, it has to spend about 20s to search COM port, if it displayed the message 'Scan succeed' as figure 13.0 means search COM port successfully. Disconnect the device with PC.

If the PC failed to search COM port after the above operations, please power on the device, and let it connect PC with USB cable, confirm whether it could connect with PC or not.

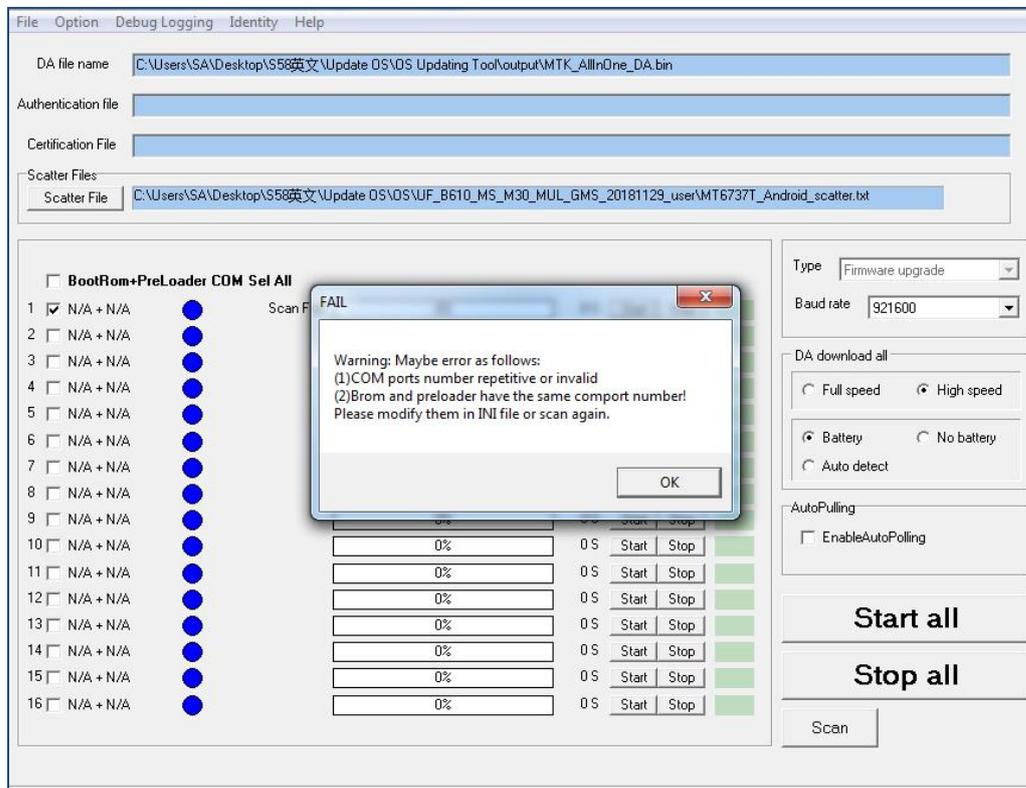


Figure 9.0

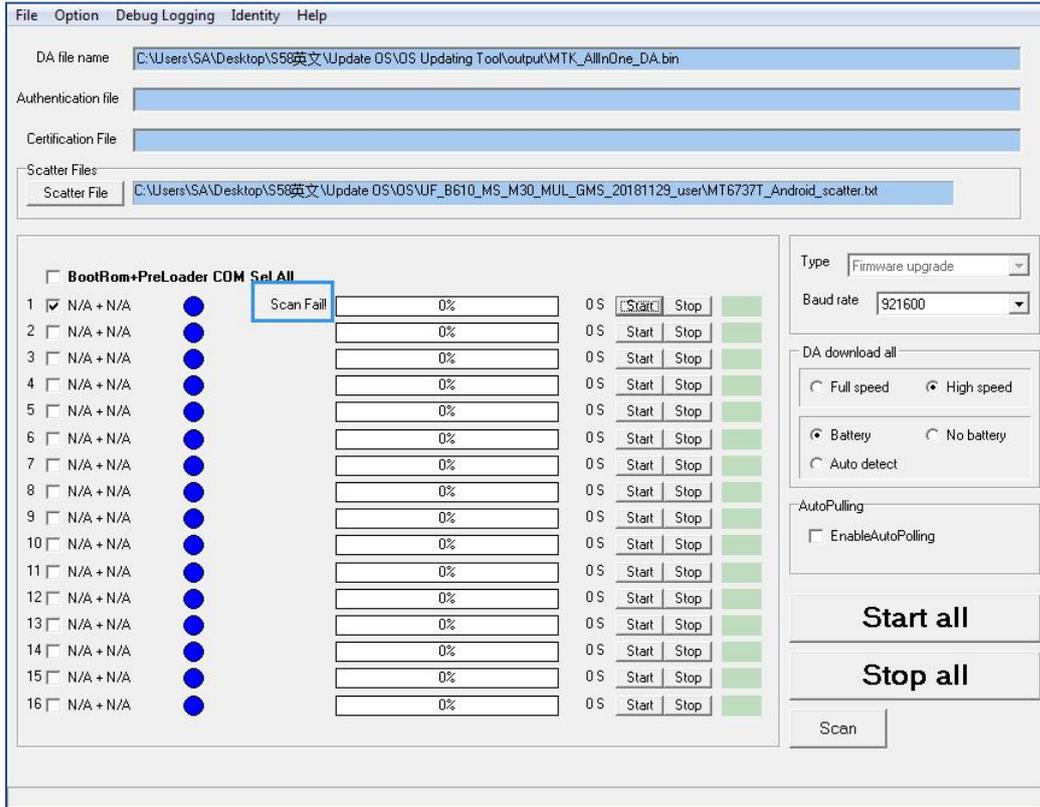


Figure 10.0

MTK_DATABASE	2019/3/4 9:35	Microsoft Access ...	0 KB
MTK_DATABASE	2017/6/12 15:37	Microsoft Access ...	2,660 KB
NVRAM_BACKUP	2017/6/12 15:37	Configuration sett...	1 KB
protected_region	2017/6/12 15:37	Configuration sett...	1 KB
readback	2017/6/12 15:37	Configuration sett...	1 KB
setting	2017/6/12 15:37	Configuration sett...	2 KB
SLA_Challenge.dll	2017/6/12 15:37	Application extens...	24 KB
SLA_Challenge	2017/6/12 15:37	Object File Library	1 KB
SP_META_Wrapper.dll	2017/6/12 15:37	Application extens...	58 KB
SPBootMode.dll	2017/6/12 15:37	Application extens...	1,249 KB
SPMETA_DLL.dll	2017/6/12 15:37	Application extens...	3,680 KB
SPMultiPortFlashDownloadProject.cgl	2017/6/12 15:37	CGL File	4 KB
SPMultiPortFlashDownloadProject.drc	2017/11/9 16:07	DRC File	31 KB
SPMultiPortFlashDownloadProject	2017/11/9 16:07	Application	2,052 KB
SPMultiPortFlashDownloadProject	2019/3/4 9:35	Configuration sett...	4 KB
SPMultiPortFlashDownloadProject	2017/11/9 16:07	Object File Library	14 KB
SPMultiPortFlashDownloadProject	2017/11/9 16:07	Linker Address Map	2,123 KB

Figure 11.0

```

SPMultiPortFlashDownloadProject - Notepad
File Edit Format View Help
Force_Checksum_Version=V1
Auth file=
Cert file=
Format FAT_range=auto
ScanComportType=1
RemotedL=no
Enable_Secro_Reworking_Feature=no
[Access]
data source=MTK_DATABASE.mdb
Database logging enable=no
[Backup_Restore]
BkRs_folderName=11
BkRs_deletion=yes
[OTP Option]
Option=NON OTP
[DA_Download]
Enable=1
    
```

Figure 12.0

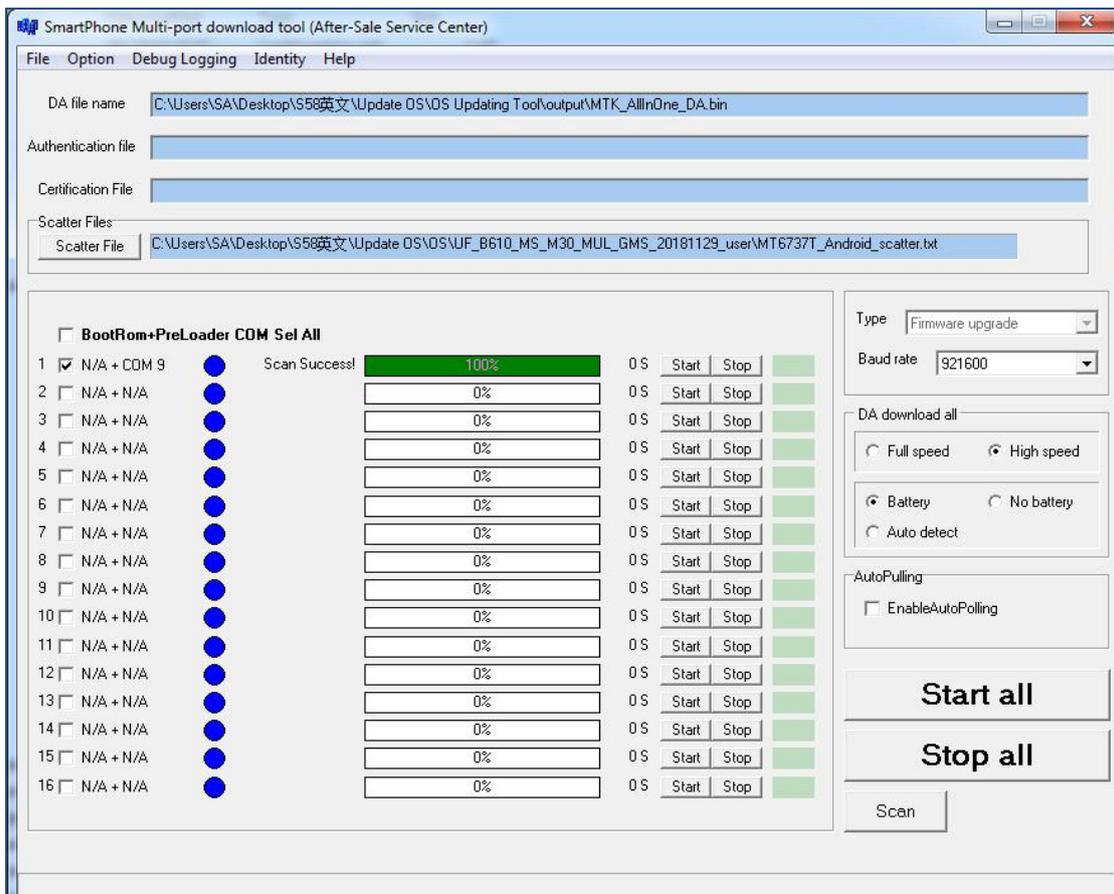


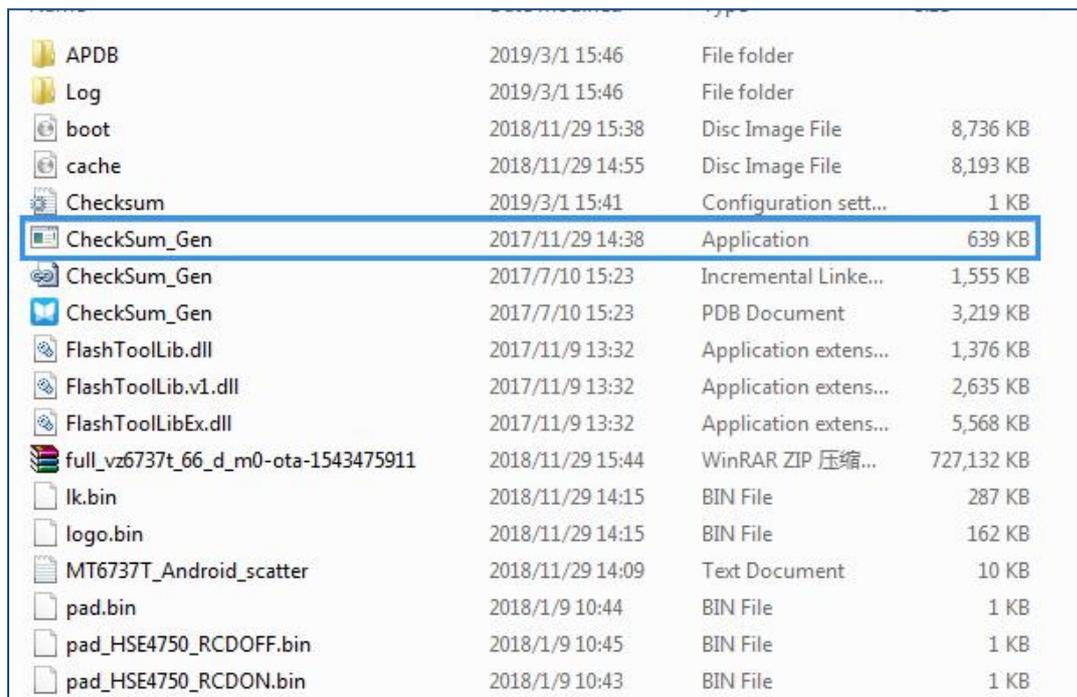
Figure 13.0

## Step 2, Edit folder OS.

**2.1,** Open folder 'OS', there are many files for configuring different scan engine, if the file's name contains characters ON means enable function Battery Hot Swap, if contains characters OFF means unable function Battery Hot Swap, please choose relevant file according to your device.

**2.2,** Copy the relevant scan engine file, and delete the file 'pad.bin', then change name of the file you copied into 'pad.bin'.

**2.3,** Run the CheckSum\_Gen as figure 14.0 and 15.0.



File Name	Modified	Type	Size
APDB	2019/3/1 15:46	File folder	
Log	2019/3/1 15:46	File folder	
boot	2018/11/29 15:38	Disc Image File	8,736 KB
cache	2018/11/29 14:55	Disc Image File	8,193 KB
Checksum	2019/3/1 15:41	Configuration sett...	1 KB
CheckSum_Gen	2017/11/29 14:38	Application	639 KB
CheckSum_Gen	2017/7/10 15:23	Incremental Linke...	1,555 KB
CheckSum_Gen	2017/7/10 15:23	PDB Document	3,219 KB
FlashToolLib.dll	2017/11/9 13:32	Application extens...	1,376 KB
FlashToolLib.v1.dll	2017/11/9 13:32	Application extens...	2,635 KB
FlashToolLibEx.dll	2017/11/9 13:32	Application extens...	5,568 KB
full_vz6737t_66_d_m0-ota-1543475911	2018/11/29 15:44	WinRAR ZIP 压缩...	727,132 KB
lk.bin	2018/11/29 14:15	BIN File	287 KB
logo.bin	2018/11/29 14:15	BIN File	162 KB
MT6737T_Android_scatter	2018/11/29 14:09	Text Document	10 KB
pad.bin	2018/1/9 10:44	BIN File	1 KB
pad_HSE4750_RCDOFF.bin	2018/1/9 10:45	BIN File	1 KB
pad_HSE4750_RCDON.bin	2018/1/9 10:43	BIN File	1 KB

Figure 14.0

```

finished:60%    16777216/27812432
finished:67%    18874368/27812432
finished:75%    20971520/27812432
finished:82%    23068672/27812432
finished:90%    25165824/27812432
finished:98%    27262976/27812432
finished:100%   27812432/27812432

Total roms: 12

preloader      = e679
lk             = 4df
boot          = ee9
recovery       = 7934
logo          = e264
secro         = 136d
tee1          = 4f1d
tee2          = 4f1d
pad           = 1719
system        = 9e13
cache         = 7168
userdata      = b1e1
Write ini to: .\Checksum.ini
Press any key to continue . . .
  
```

Figure 15.0

### Step 3, Update OS.

**3.1,** Power off the device, and let it connect to PC with USB cable.

**3.2,** Run program `SPMultiPortFlashDownloadProject.exe`, click icon 'Scatter File', and choose the file 'MT6753\_Android\_scatter' in the folder 'OS', then click icon 'Start all' to download firmware, as figure 16.0, 17.0 and 18.0. It will show download progress as figure 19.0.

If it pop up the prompt message 'DL ok' and download process is 100% means update OS successfully as figure 20.0.

Please disconnect the USB cable, and power on the device to check the OS version information of the device via Settings-->About Phone-->Kernel version/Custom build version, as figure 21.0.

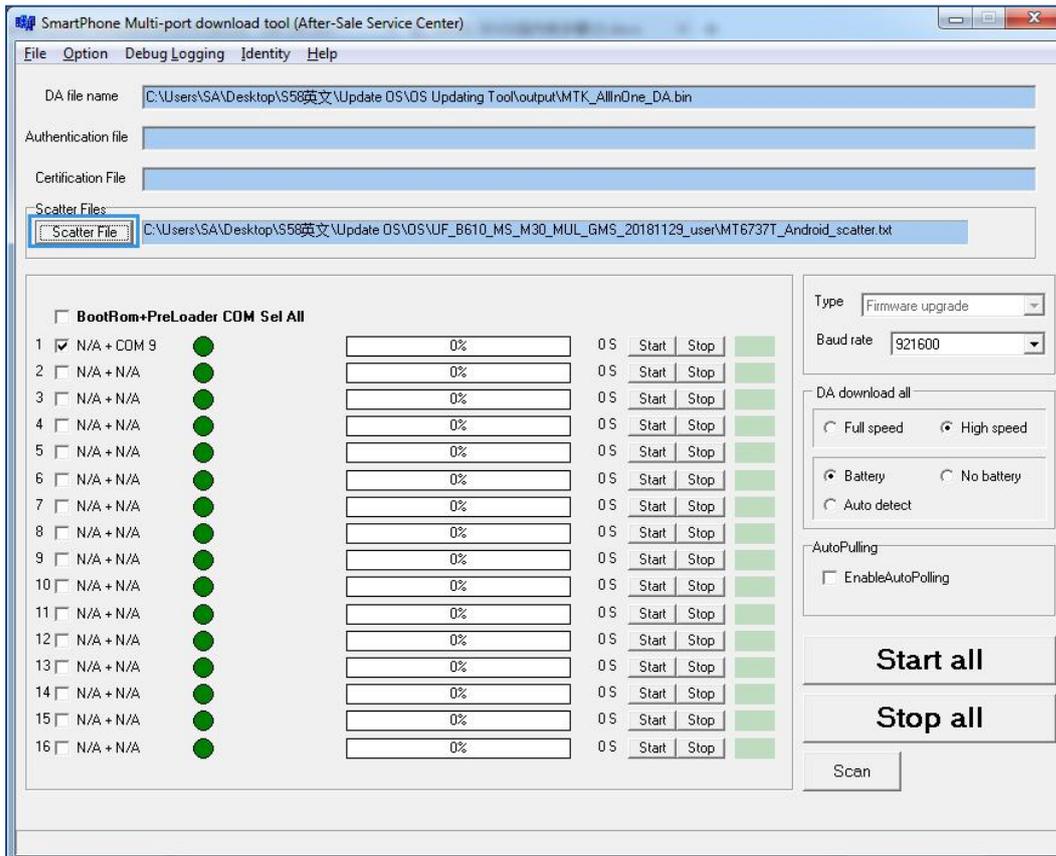


Figure 16.0

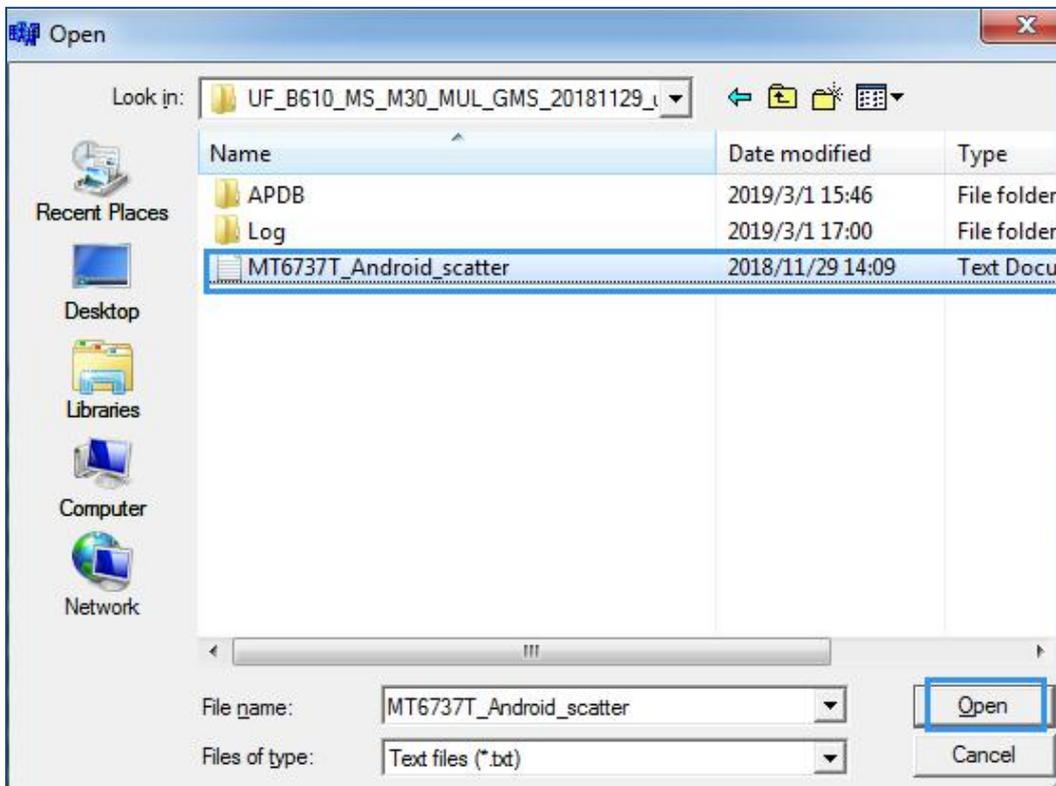


Figure 17.0

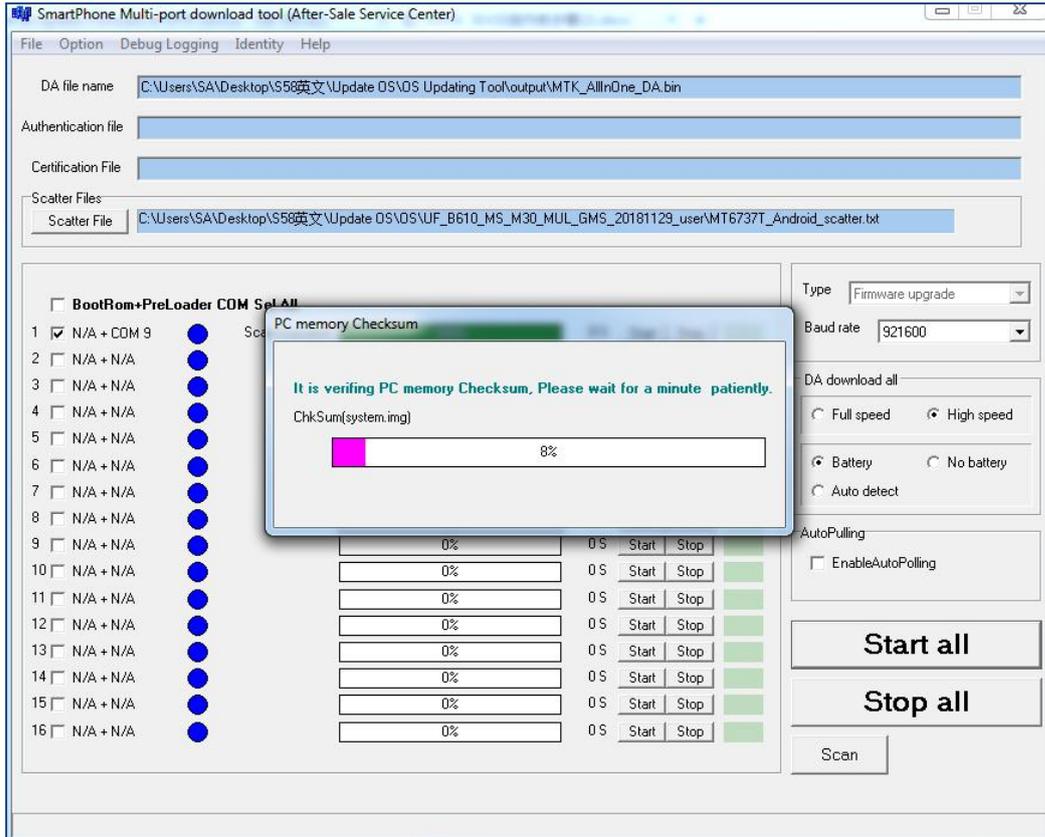


Figure 18.0

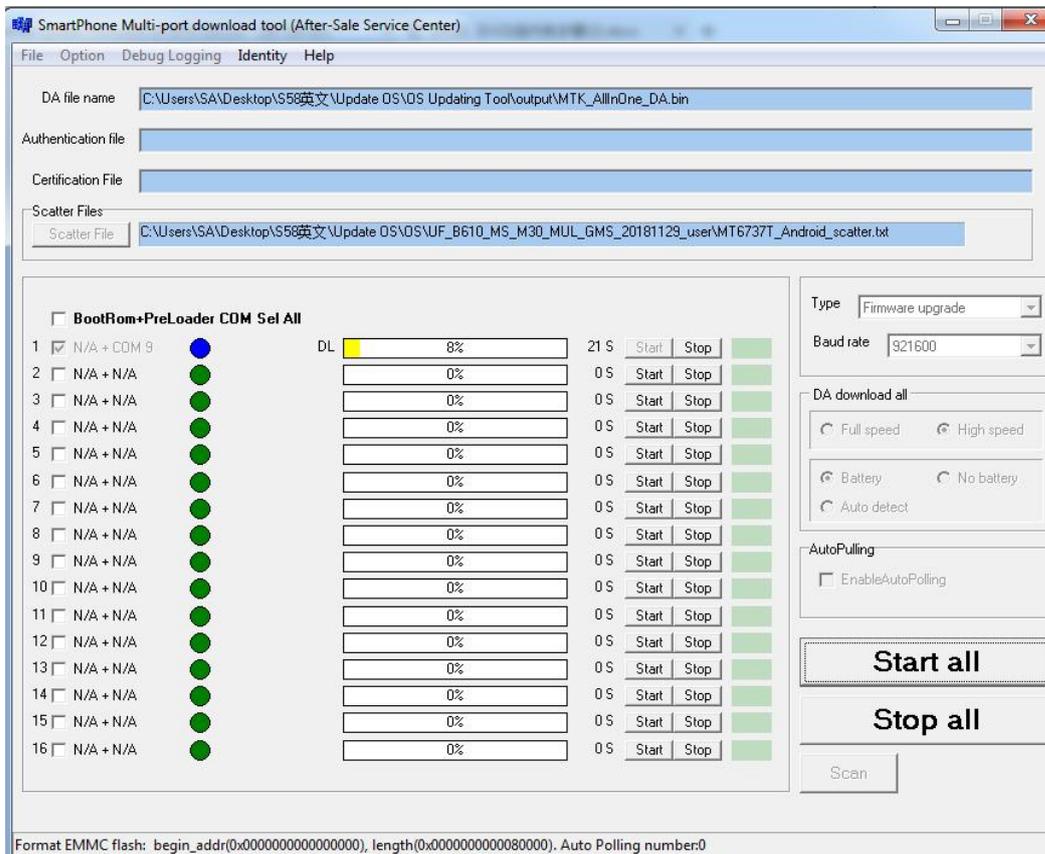


Figure 19.0

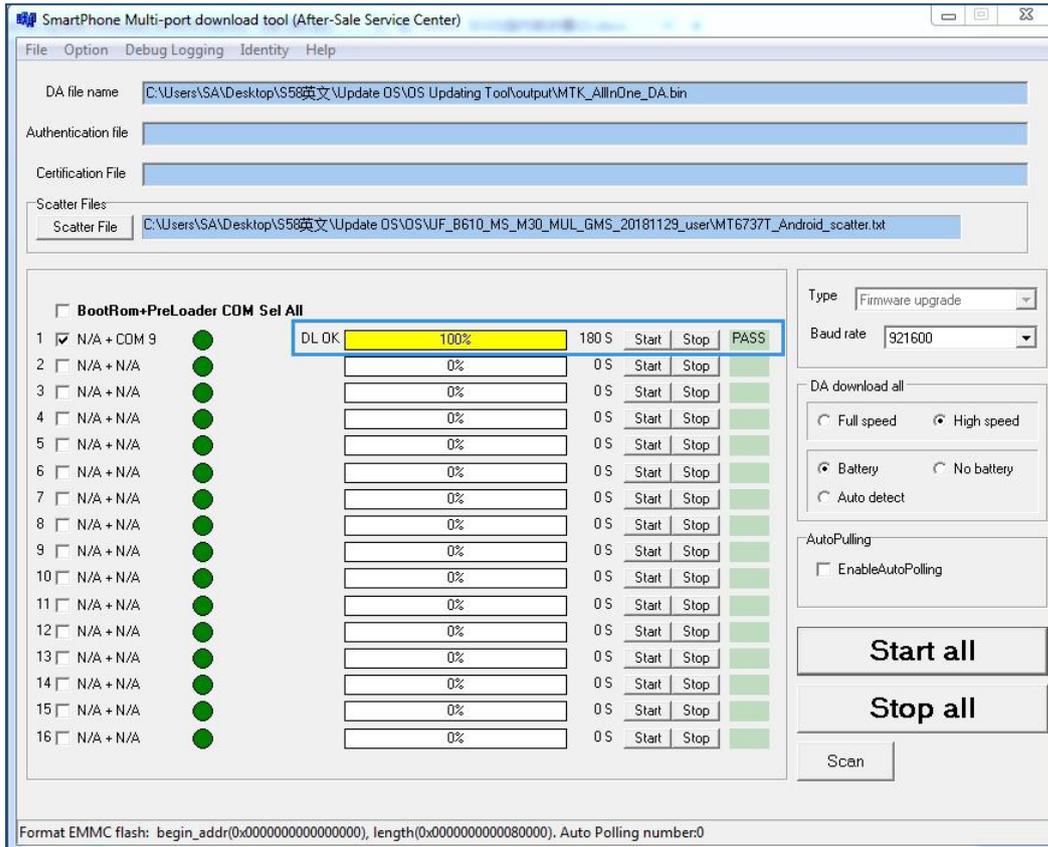


Figure 20.0

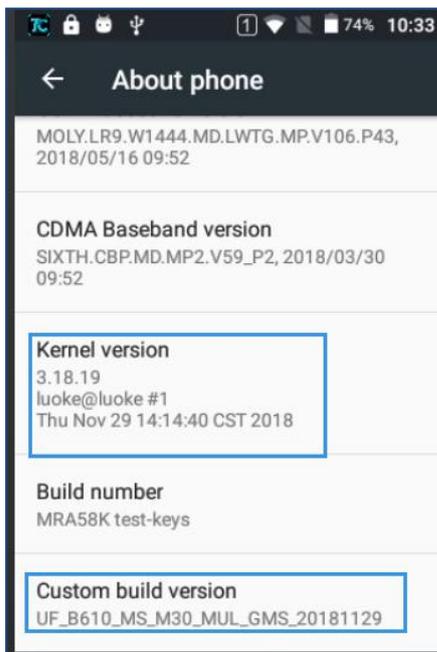


Figure 21.0

The End

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