MTK Android (Sp flash tool) tutorial

What's needed:

- USB data cable
- MediaTek USB VCOM drivers
- SP Flash Tool v5.1352.01

First of all, make sure that you have MediaTek DA USB VCOM drivers installed. You can follow the video to install <u>https://www.youtube.com/watch?v=ztm6QE_giZc</u>

Device Manager Fill MediaTek DA USB VCOM	Port (COM37) Properties	23	
General Port Settings	Driver Details		
MediaTek DA	USB VCOM Port (COM37)		
Device type: Manufacturer: Location:	Ports (COM & LPT) MediaTek Inc. Port_#0002.Hub_#0004		
Device status			
	g propeny.	*	F
Ports (COM & LPT) MediaTek DA U Processors Sound video and g	OK SB VCOM Port (COM37) ame controllers	Cancel	
n no and sound video and d	ame controllers		

Flashing the whole ROM

 First of all open SP Flash Tool, then click Scatter-loading button to load the correct scatter file (e.g MT6582_Android_scatter.txt) for your device and ignore any message that may appear.

Smart Phone Flash Tool(Runtime Trace M	lode)		-	-		the second se	
File Options Window Help							
W	/elcome	Format	Download	Readbad	k Memory Test]	
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	DO	whiteau	зтор				
	Downloa	ad-Agent	C:\Users\joey\D	esktop\SP_	Flash_Tool_exe_Wir	ndows_v5.1532.00.000\MTK_AllInOne_DA.bin	😑 Download Agent
s	Scatter	loading File	P:\MTK\LPT82\Re	elease (Full i	Image ROM\ANDRO	ID4_4\20151202_LPT82_ALPS.431.N1D.V8CG\MT6582_Andrc	E Scatter-loading
	Format	All + Downlo	ad 💌				
MT6582		Name	Begin Addre	ess	End Address	Location	
	V P	RELOADER	0x00000000000	00000 0x0	00000000001b56f	P:\MTK\LPT82\Release\Full Image ROM\ANDROID4_4\201	51202_LPT82_A
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	🛛 U	IBOOT	0x00000000292	20000 0x0	00000000295a81f	P:\MTK\LPT82\Release\Full Image ROM\ANDROID4_4\2015	51202_LPT82_A
	V B	OOTIMG	0x00000000298	80000 Ox	0000000002fde7ff	P:\MTK\LPT82\Release\Full Image ROM\ANDROID4_4\201	51202_LPT82_A
	V R	ECOVERY	0x00000000398	80000 Ox	000000000403c7ff	P:\MTK\LPT82\Release\Full Image ROM\ANDROID4_4\201	51202_LPT82_A
	V S	EC_RO	0x00000000498	80000 Ox	0000000049a0fff	P:\MTK\LPT82\Release\Full Image ROM\ANDROID4_4\201	51202_LPT82_A
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	V E	BR2	0x00000000530	k0 00000	00000000053001ff	P:\MTK\LPT82\Release\Full Image ROM\ANDROID4_4\201	51202_LPT82_A
	V A	NDROID	0x000000005d	80000 Ox	0000000029f3655f	P:\MTK\LPT82\Release\Full Image ROM\ANDROID4_4\201	51202_LPT82_A
	v 0	ACHE	0x00000004458	80000 0x0	000000044b86093	P:\MTK\LPT82\Release\Full Image ROM\ANDROID4_4\201	51202_LPT82_A
	V U	JSRDATA	0x00000004c38	80000 0x0	00000004d4041cb	P:\MTK\LPT82\Release\Full Image ROM\ANDROID4_4\201	51202_LPT82_A
		0 B/s	0 Bytes		EMMC Hig	h Speed 0:00 USB: DA Download All(high speed	l,auto detect)

- Turn off your phone, remove the battery and replace it after some seconds (and don't turn on the phone).
- If you need to convert from Android 4.2 to Android 4.4, select "Formal All + Download". If upgrade firmware on Android 4.4, only select "Firmware Upgrade"
- Hit **Download** button and connect your phone into the computer via USB data cable.

The process will start and a red progress bar will appear.

- After the red progress bar is complete, there will appear a purple progress bar.
- Right after the purple progress bar is complete, the download will start right away (you will see the yellow progress bar filling up).

Smart Phone Flash Tool(Runtime T le Options Window Help	race Mode)	and the second	Contraction of the local distance of the loc			
	Welcome	at Download Rea	dback Memory Test			
άλι	Download	O Stop		·		
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	BOOTIMG	0x0000000002980000	0x0000000002fde7ff	P:\MTK\LPT82\Release\Full In	nage ROM\ANDROID4_4\2015	1202_LPT82_A
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Chip Into	EBR2	0x000000005300000	0x00000000053001ff	P:\MTK\LPT82\Release\Full In	nage ROM\ANDROID4_4\2015	51202_LPT82_A
hip Name: MT6582_S01		0.0000000005880000	08000000029886551	PARTINERT820ReleaseNFull In	wage RIDMIN AND ROUDH_#2015	1202_LPT82_A
hip Version: 0x0000ca01	CACHE	0x000000044580000	0x000000044b86093	P:\MTK\LPT82\Release\Full In	nage ROM\ANDROID4_4\2015	51202_LPT82_A
tt Clock: EXT_26M		0x0000000000000000000000000000000000000	0x00000000464041co	PAMTICALIFTER Release Foll to	HIGE ROOM AND ROUDS 412015	1992 LIFTR2 A.
ktern RAM Type: DRAM						
xtern RAM Size: 0x40000000						
EMBAC Elaste				Download Flash 65%		
, EMMC Hash	6.72M/s	401.57M	EMMC Hig	h Speed 1:04 P	reLoader USB VCOM Port (COM)	29)

• When the yellow bar is complete, you'll get a popup with a green circle and **Download OK** message,

which means that the process has been successfully terminated.



• You can now safely disconnect your phone and turn it on. The process ends here.

SN Write Tool v2.1336.00

If you use "Format All + Download" to upgrade the firmware, the Mac address of WiFi, Bluetooth and IMEI will be lost. You can use SN Write Tool to burn this information back to the device.

1. Download and install SN Write Tool on your computer. After installation you will be able to see the following files at the Program Files

Organize 🔹 Include in library 🔹	 Share with Compatibility files 	New folder			## • 🗖 🔞
MSOCache	Name	Date modified	Туре	Size	
MyBarcodes	AP	9/9/2013 2:50 PM	File	149 KB	
🍌 MyLabels	BP	9/9/2013 2:51 PM	File	4,574 KB	
PerfLogs	brom.dll	9/9/2013 2:51 PM	Application extens	3,536 KB	
👂 🎍 Program Files	log bromapi.dll	9/9/2013 2:51 PM	Application extens	88 KB	
🖻 🌽 ProgramData	des.dll	9/9/2013 2:50 PM	Application extens	52 KB	
Þ 🎍 PT25-WM-ATK	i eboot.dll	9/9/2013 2:51 PM	Application extens	164 KB	
🖻 🍌 temp	FlashToolLib.dll	9/9/2013 2:50 PM	Application extens	1.179 KB	
🛛 🍐 Users	HdcnEncryntion.dll	9/9/2013 2:51 PM	Application extens	225 KB	
🛛 🌙 Windows		9/9/2013 2:50 PM	I IB File	3 KB	
🛛 🍌 Windows CE Tools	libeav32.dll	9/9/2013 2:50 PM	Application extens	1 279 KB	
WM 5295_ipl_v2_7		9/9/2013 2·50 PM	Application extens	220 KB	
🧳 adb.zip 👘		0/0/2013 2:50 PM	Application extens	3 664 KB	
👝 Local Disk (D:)	Microsoft VC00 CRT manifest	0/0/2013 2:50 PM	MANIFEST File	1 KB	
🕑 DVD Drive (E:) CD	marm90 dll	0/0/2012 2:51 DM	Application optoor	270 KB	Select a file to preview.
Project (\\192.168.103.244	msvcn90.dll	0/0/2012 2:51 PM	Application extens	556 V.P	
🛚 🍐 ANDROID		0/0/2013 2.51 PM	Application extens	SJUKB	
퉬 Approval Certification	Cl A Challenne all	9/9/2015 2:51 PW	Application extens	D41 KD	
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🛛 🎍 Benchmark Devices		12/2/2015 10:59 AM	Text Document	3 KB	
CE7_STUDY		9/12/2013 2:42 PIVI	Application	000 KB	
🛚 🍌 Denon	SNDATA	12/2/2015 10:59 AM	File	1 KB	
Freescale i.MX6	SPMETA_DLL.dll	9/9/2013 2:50 PM	Application extens	3,488 KB	
Gaming device	SBCOMFinder.dll	9/9/2013 2:50 PM	Application extens	52 KB	
🛛 📕 Geneva	Second Se	9/9/2013 2:51 PM	Application extens	42 KB	
🛛 📕 Geneva Phase-II	USBSwitchTool.exe	9/9/2013 2:50 PM	Application	84 KB	
Glabs HO	USBSwitchTool.ini	9/9/2013 2:50 PM	Configuration sett	1 KB	
Hard Bock	🚳 xboot.dll	9/9/2013 2:51 PM	Application extens	100 KB	

2: Tap to launch SN_STATION.exe. Set ComPort: USB VCOM, TargetSelect: SmatPhone

🛄 SI	N_Write_1	Fool(Enginee	r Mode)		Street of the		×
<u>F</u> ile	<u>Option</u>	BT & IMEI	Hdcp&Drmkey	Identity	Help		
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3. Set System Config

📕 Operate Config	Tallingons Wand		×
Function Select	Header Option		
✓ BarCode	Barcode Header	1234	□ On/Off
IMEI			
₩ BT	BT Addr Header	33	□ On/Off
₩ WIFI Mac adr	Wifi Addr Header	123456	□ On/Off
☐ Wifi EEPROM Copy			
IMEI Option	IMEI_1 Header	123	□ On/Off
IMEI Check Sum			
C Dual IMEI	IMEL_2 Header	123	F On/OH
C Dual IMEI Same	IMEL 3 Header	[193	····
THEE MEL		1.00	IN CRIVERI
Four IMEI	IMEL_4 Header	213	I⊽ On/ON
Data Base			
d:\Bin\KHAN50D_11B_W12_32.bin\BPLGL	InfoCustomAppSrcP_MT6250	_S00_MAUI_118_1	MD DB_1
d.\Bin\mt6589_phone_k89v2\BPLGUInfoC.	stomApp_MT6589_S00_WR8	_W1301_MD_TG_	MD OB_2
d:\Project-MTK\SN_Write_tool_exe_v2.133	6.00\SN_Write_tool_exe_v2.13	336.00\APDB_MTI	AP DB
			Οκ

At Function Select, select the corresponding items to be burned. Select correct MD DB_1 and AP DB. [REMARK:FOR ANDRIOD 4.4, CHOOSE 4.4.2_APDB_MT6582_S01_KK1.MP3_, FOR ANDROID 4.2, CHOOSE APDB_MT6582_S01_ALPS.JB5.MP_] Tap OK to complete the setting.

4. Tap Start

le	<u>Option</u>	BT & IMEI	Hdcp&Drm	key <u>I</u> dentity	<u>H</u> elp	
SI	N Writer	Log				
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s	etting				Progress —	
	ComPort:	USB V	COM		(
	TargetS	Select			Total:	
	Sm	hartPhone			Pass:	
14 N	Sy	stem Con	fig		Fail:	
-	-		Write	Result Ind	icator	
14						C 1 1
	~	· · · ·	1.000			

5.Enter corresponding info and tap OK

SN_Write_Tool(Engineer Mode)	X
Eile Option BT & IMEI Hdcp&Drmkey	Identity Help
SN Writer Log	
COM port searching and preloader I	handshake 🗾
COM port searching and preloader I	handshake ok
COM port searching and Kernel han	dshake
Error: Connect failed. Exit Meta Mode_r	de
>>	<<
>>Step: Enter Meta Mode && Smart I	Phone;
>>Sten Begin Scan Smart Phone dat	ta
>>Step: Start to Connect with target	La
METAAPP_Init Init Modem handle s	uccessfully, TargetStype= 1.
COM port searching and preloader I	handshake
1	
Setting	Progress
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TargetSelect	Total: 1
SmartPhone 💌	
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System Config	1
Lannan and an and a state of the state of th	
Write Der	ult Indicator
White Res	
Quit	STOP
gui	2101

6. Handshake... is shown and then connect device to the PC. Meta Mode is shown on the device

BarCode:	Header string:
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IMEI_1:	
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IMEL_2:	
L	
IMEL_3:	
L	
IMEL_4:	
BT:	
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WIFI :	
l	
Canaal	OK

ALL THE TOOLS CAN BE DOWNLOAD FROM WWW.PITECH.COM/LPT82