Samsung Mobile S/W Training

(SGH-X480)

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Download procedure

1. Upload the downloader by double-clicking the "Optiflash.exe"

🙂 OptiFlash – [Default] 💦 📃 🖂
<u>File Options H</u> elp
File Load and Verify
Operation All is well.
Flash Verify Read Cancel

2. Select the "Options" -> "Settings" -> "Generic" -> "Specify hardware platform".

Choose hardware platform for the downloader file setting.

Set the everything else as the default values which are shown below

Option Settings				
Generic COM Port Flash and Verify Read				
Specify Hardware Platform				
Customer T: Valenti				
Misc. Settings				
Flash Erase Passes				
Operation Passes Default				
Debug Mode Extended Protection				
🗖 Differences Only 🗖 No Retries				
Erase All Unused Regions (Use With Caution)				
<u>확인</u> 취소 적용(<u>A</u>)				

3. Select the COM port where the download cable is connected.

A 2151 1	0.00 50 / 10		
OptiFlash	Settings - [Default]		X
Generic	COM Port Flash & Verify F	Read	
	1		
	First COM Port (mar	idatory)	1
	COM Port	COM1 <	
	Max. transfer speed	921600 💌	
	Second CUM Port (optionalj	
	COM Port	none 💌	
	Max. transfer speed	115200 💌	
]
		1	1
		<u>o</u> k	<u>C</u> ancel

Up to 64 ports are supported. Additionally you can select the maximum transfer speed OptiFlash will use to communicate with the phone. However, OptiFlash will use a slower speed if either the PC's or the phone's serial hardware is incapable of handling the selected speed. 4. Select the "Flash&Verify" -> "Browse"
Set the directory path and choose
the latest s/w binary, for example "X480DXEC1.s3",
for the downloader binary setting.

Option Settings	×
Generic COM Port Flash and Verify Read	
File to Load and Verify	
D:\X480\X480DXEC1.s3	
Reserved Memory Regions	
0x01fc0000 - 0x01fe4fff Add Region	
0x01fc0000 - 0x01fe4fff Change Region	
Remove Region	
Decimal	
확인 취소 적용(<u>A</u>)	

Becare the Reserved memory regions.

0x01fc0000 - 0x01fe4fff

5. Click "OK" button then press "Flash". Type "yes" on input box.Power on mobile phone with battery or charger.Downloader will upload the binary file as below for the downloading.



L. When downloading is finished successfully, there is a "All is well" message.

7. After finishing downloading, Certain memory resets should be done to guarantee the normal performance.
8. Confirm the downloaded version name by keystring (*#1234#)

HOW TO USE TRACE TOOLS

1. Execute Optilinace.exe

🛕 OptiTrac					<u>_ </u>
<u>F</u> ile <u>E</u> dit	<u>V</u> iew <u>S</u> cript <u>H</u>	<u>H</u> elp			
• 🖻	B 2 5	Ŀ <mark>n</mark> a ĝ	Zz ^{z²¹} DS (†) (ttp://www.en	ts24.co.uk/wap/	
Trace Filte	rs File Sys				+Serving Cell
	est iLTraceLow iLTraceHigh iLTraceFiror iLTracePrivate iLTraceSMS sation Layer ommand interpreter ITraceError ITraceATMaj ITraceATMaj ITraceATMin ITraceATMin ITraceBRS Station simulation STraceVarning STraceVarning STraceVarning STraceVarning STraceVars				SigLevel(dBm - Quality - BSIC - PLMN - Cell Identity - +Idle Info - C1 - C2 - Paging Period - AGCh - Combined - Timeslot - Downlink t/o - +Best Neighbi - ARFCN - SigLevel(dBm - C2 - BSIC -
Errors Wa	ches Test User Inte	erface Prod	uction Test Version Info ScriptTab Signalling		
					_
0 Errors	4/1379	Sleep	Serial port opened (COM4, 115200 baud),	🤣 D:₩X480₩trdata,bin	

2. Select bin tool

🝳 OptiTrace	
<u>File E</u> dit <u>V</u> iew <u>S</u> cript <u>H</u> elp	
● 🖻 🗳 👂 🦻 💁	∑ z ^{z²²} DS (bn br
Trace Filters Dsp	\sim
OptiFieldTest	

Then following popup window will show.





🔯 TRData, bin Selection	_ 🗆 🗵
The mobile has sent its trace CRC and the correct trace tables are loaded.	
D:\X480	
D:\My Project\X480 동남U\X480 Project\TRACE	
J	
Select A Directory:	
D:\X480	Ē
	I
Load Selected Try All Clear All Delete	Cancel

4. Setting the trdata-bin location and press OK

Select Directory	×
Directory <u>N</u> ame: D:\X480	
Directories:	<u>F</u> iles: (*.*)
<mark>⊱</mark> D:\	CmdsToMobile.txt
👝 X480	Uptil race.block trdata.bin
	TrLog.txt
	A400DAEC1.83
	D <u>r</u> ives:
	🖃 d: [data]
	OK Cancel

5. Confirm the location of trdata-bin then Press Load Selected

	🔯 TRData, bin Selection	_ 🗆 🗵
	The mobile has sent its trace CRC and the correct trace tables are loaded.	
	D:\X480 D:\My Project\X480 동남아\X480 Project\TRACE	
	Select A Directory:	
ς	D:\X480	é
	Coad Selected Try All Clear All Delete	Cancel

6. Go to File menu and then click 'serial port'

7. Set the serial port then press OK

Serial Port Configuration 🛛 🔀				
Port:				
О СОМ1	COM4	О СОМ7		
О СОМ2	С СОМ5	С СОМ8		
О СОМЗ	С СОМ6	О СОМЭ		
Speed	Handshak	e NTR		
<u>1115200</u> -				
	<u> R</u> IS/L	J 5-Handshake		
Data bits	□ D <u>I</u> R/I	OSR-Handshake		
8 🔳	<u> </u>	(Off-Protocol		
Parity	Receiv	re b <u>u</u> ffer		
none 💌	2048	•		
Stop <u>b</u> its	Trans <u>r</u>	nit buffer		
1 💌	2048	•		
<u>0</u> k		<u>C</u> ancel		

8. Select Filter tab



Related with GPRS data, you can choose GPRS FieldTest

in case of SMS data then you can choose OptiSMSLowLevel.

🝳 OptiTrace	
<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>S</u> cript <u>H</u> elp	
● 🖻 🖬 🔎 🍠 💁 💯 z ^{zzⁱ} DS 🕂	bin, crc
Trace Filters Dsp	
GPRS FieldTest	

9. Select Trace tab and click the toggle connection serial port

Q OptiTrace

<u>File Edit View Script H</u> elp		
	rc	
Trace Filters Dsp		
toggle connection serial port		
CoptiTrace		
Elle _ont View Script Help ■ 🖻 🖬 🔎 🎵 🖓 🖓 DS 🕂 DS 🕞		•
Trace Filters Dsp		
OTVers: 17,10,2002_1,55,0-8,3142,21,03 OptiTrace: Database version [0F8F365E], Mobile version [0F8F365E], OK		
372836 *** ERROR: SV detected no timer 200 to stop at 372836 373528 *** ERROR: SV detected no timer 2063 to stop at 373528 *** ERROR: SV detected no timer 2042 to stop at 373536 - *** ERROR: SV detected no timer 2048 to stop at 373536 - *** ERROR: SV detected no timer 2032 to stop at 373536 - *** ERROR: SV detected no timer 2032 to stop at 373536		
Errors Watches Test User Interface Production Test Version Info ScriptTab Signalling		
2337 Errors 244/116 Sleep Serial port opened (COM6),	S D:\AGERE\X610\trace	

10. After examine the phone function, if problem is exist then

click 'Archive the trace results'



11. Write the file name and description and save-



12. Under the trace folder, GPRS Wizard.txt is made.



Key string for reset

2767 C # (Reset)

2878	Reset MMI NVM full area except Cal & stack	
5282	Delete all Java files	
927	Reset wap FFS area	
877	Reset TSS filesystem	
3855	Reset NVM all area(except Stack,Cal data)	
63342	Reset downloaded files(Funbox picture & sound area)	



- Total number of emoticon list

	default	addition	total
Feeling	18	5	23
Action	73	5	18
ETC	70	5	15
My emoticon	na	20	20

How to use Emoticon templates

•Function to make out emoticons will be appended.

1. Select the "Menu" -> "Messages" -> "Text messages" -> "Emoticon templates".

2. Choose one of "Feeling", "Action", "ETC", "My emoticon".

How to use Emoticon templates

3. In case of Feeling, Action, ETC, User can access to "Add", "Edit", "Send", "Delete" through "options".

"Add" : Function to make out new emoticon.

"Edit" : Function to make out new emoticon by correcting selected default emoticon or to correct selected emoticon.

"Send": Function to attach selected emoticon to SMS.

"Delete" : Function to delete selected emoticon, but default emoticon can't be deleted.

How to use Emoticon templates

4. In case of My emoticon, User can access to "Add", "Edit", "Send", "Delete" through "options".

- "Add": Function to make out new emoticon.
- "Edit" : Function to correct selected emoticon.
- "Send": Function to attach selected emoticon to SMS.
- "Delete" : Function to delete selected emoticon.



•Function to attach list of Feeling, action, ETC, My emoticon to SMS.

1. Select the "Menu" -> "Messages" -> "Text messages" -> "Create"->"Option"->"Add emoticon".

2. Choose one of "Feeling", "Action", "ETC", "My emoticon".

3. Feeling list, Action list, ETC list, My emoticon list show up and It is attached to SMS if choose one of lists.

Melody Composer

- Feature
 - Use this menu to compose your own melodies using a variety of musical components. You can set one of your melodies as your call ringer
- Melody composer(Menu 6.7.1)
 - When you access the Compose melody menu.
- Memory Status(Menu 6.7.2)
 - You can check the total amount of memory and the amount of memory being used and the memory remaining for sounds and images.

Using composer options

- New
 - open a new composer screen.
- Open
 - open the list of your own melodies.
- Play
 - play back the current melody.
- Save
 - save the melody.
- Save as
 - save the melody as a different name.
- Instrument
 - Vary a musical instrument used compose by user
- Background melody
 - use the background melody Ex) Dance, Jazz, Latin, Pop, Reggae
- Add note
 - add notes in different chord.
- Tempo
 - change the tempo for the melody.
- Volume

- adjust the volume level of the main and background melodies separately.

Melody composer-How to use(1)

Creating a melody

- 1. Move the selection point up or down by pressing [Up] or [Down].
- 2. Press < Input>.
- 3. Select a note or rest.
- 4. Repeat steps 1 to 3 to add more notes and rests.
- 5. When you have finished, press **<Options>** and select **Save**.
- 6. Enter a melody name and press <**OK**>.

Melody composer-How to use(2)

Editing a melody

- While composing a melody or after opening a saved melody, you can edit it.
 - 1. To change an entered note or rest, move the selection point by pressing [Up] or [Down].
 - 2. Change the position of the note or type of the note or rest the same as you would when inserting it.
 - 3. Press [] or [] to move a note to the next semitone higher position or lower position.
- access the following options by pressing

<Options>:

- Range: select more than one note or rest. The selected ones are indicated in yellow.
- **Copy**: copy the note or rest.
- **Cut**: cut the note or rest.
- **Paste**: paste the note or rest.
- **Change**: change the note or rest.
- **Delete**: delete the note or rest.