1. Safety Precautions

1-1. Repair Precaution

Before attempting any repair or detailed tuning, shield the device from RF noise or static electricity discharges.

Use only demagnetized tools that are specifically designed for small electronic repairs, as most electronic parts are sensitive to electromagnetic forces.

Use only high quality screwdrivers when servicing products. Low quality screwdrivers can easily damage the heads of screws.

Use only conductor wire of the properly gauge and insulation for low resistance, because of the low margin of error of most testing equipment.

We recommend 22-gauge twisted copper wire.

Hand-soldering is not recommended, because printed circuit boards (PCBs) can be easily damaged, even with relatively low heat. Never use a soldering iron with a power rating of more than 100 watts and use only lead-free solder with a melting point below 250°C (482°F).

Prior to disassembling the battery charger for repair, ensure that the AC power is disconnected. Always use the replacement parts that are registered in the SEC system. Third-party replacement parts may not function properly.



1. Safety Precautions

1-2. ESD(Electrostatically Sensitive Devices) Precaution

Many semiconductors and ESDs in electronic devices are particularly sensitive to static discharge and can be easily damaged by it. We recommend protecting these components with conductive anti-static bags when you store or transport them.

Always use an anti-static strap or wristband and remove electrostatic buildup or dissipate static electricity from your body before repairing ESDs.

Ensure that soldering irons have AC adapter with ground wires and that the ground wires are properly connected.

Use only desoldering tools with plastic tips to prevent static discharge.

Properly shield the work environment from accidental electrostatic discharge before opening packages containing ESDs.

The potential for static electricity discharge may be increased in low humidity environments, such as air-conditioned rooms. Increase the airflow to the working area to decrease the chance of accidental static electricity discharges.



2-1. GSM General Specification

lte	em	GSM 850	EGSM 900	DCS1800	PCS1900
Freq. Ba	ind[MHz]	824~849	880~915	1710~1785	1850~1910
Uplink/E	Downlink	869~894	925~960	1805~1880	1930~1990
ARFC	N range	128~251	0~124 & 975~1023	512~885	512~810
Tx/Rx s	spacing	45MHz	45MHz	95MHz	80MHz
Mod. E	Bit rate/	270.833kbps	270.833kbps	270.833kbps	270.833kbps
Bit P	eriod	3.692us	3.692us	3.692us	3.692us
	ot Period/ Period	576.9us	576.9us	576.9us 4.615ms	576.9us 4.615ms
Frame	Period	4.615ms	4.615ms	4.015ms	4.615ms
	GSM/	GMSK/	GMSK/	GMSK/	GMSK/
Modulation	EGPRS	8PSK	8PSK	8PSK	8PSK
MS F	Power	33dBm~5dBm	33dBm~5dBm	30dBm~0dBm	30dBm~0dBm
		4(GMSK)	4(GMSK)	1(GMSK)	1(GMSK)
Power	Class	E2(8PSK)	E2(8PSK)	E2(8PSK)	E2(8PSK)
Sens	itivity	-102dBm	-102dBm	-100dBm	-100dBm
TDM	A Mux	8	8	8	8



2-2. GSM Tx Power Class

TX Power Control level	GSM850	TX Power Control level	EGSM900	TX Power Control level	DCS1800	TX Power Control level	PCS1900
5	33±2 dBm	5	33±2 dBm	0	30±3 dBm	0	30±3 dBm
6	31±2 dBm	6	31±2 dBm	1	28±3 dBm	1	28±3 dBm
7	29±2 dBm	7	29±2 dBm	2	26±3 dBm	2	26±3 dBm
8	27±2 dBm	8	27±2 dBm	3	24±3 dBm	3	24±3 dBm
9	25±2 dBm	9	25±2 dBm	4	22±3 dBm	4	22±3 dBm
10	23±2 dBm	10	23±2 dBm	5	20±3 dBm	5	20±3 dBm
11	21±2 dBm	11	21±2 dBm	6	18±3 dBm	6	18±3 dBm
12	19±2 dBm	12	19±2 dBm	7	16±3 dBm	7	16±3 dBm
13	17±2 dBm	13	17±2 dBm	8	14±3 dBm	8	14±3 dBm
14	15±2 dBm	14	15±2 dBm	9	12±4 dBm	9	12±4 dBm
15	13±2 dBm	15	13±2 dBm	10	10±4 dBm	10	10±4 dBm
16	11±3 dBm	16	11±3 dBm	11	8±4 dBm	11	8±4 dBm
17	9±3 dBm	17	9±3 dBm	12	6±4 dBm	12	6±4 dBm
18	7±3 dBm	18	7±3 dBm	13	4±4 dBm	13	4±4 dBm
19	5±3 dBm	19	5±3 dBm	14	2±5 dBm	14	2±5 dBm
-	-	-	-	15	0±5 dBm	15	0±5 dBm



2-3-1. WCDMA General Specification [SM-A205F/FN]

Item	WCDMA2100(B1)	WCDMA1900(B2)	WCDMA850(B5)	WCDMA900(B8)
Freq. Band[MHz] Uplink/Downlink	1920~1980 2110~2170	1850~1910 1930~1990	824~849 869~894	880~915 925~960
ARFCN range	UL: 9612~9888 DL: 10562~10838	UL: 9262~9538 DL: 9662~9938	UL: 4132~4233 DL: 4357~4458	UL: 2712~2868 DL: 2937~3088
Tx/Rx spacing	190MHz	80MHz	45MHz	45MHz
Mod. Bit rate/ Bit Period	42.2Mbps(DL) 5.42Mbps(UL)	42.2Mbps(DL) 5.42Mbps(UL)	42.2Mbps(DL) 5.42Mbps(UL)	42.2Mbps(DL) 5.42Mbps(UL)
Time Slot Period/ Frame Period	WCDMA 10ms/0.667ms HSPA 2ms/0.667ms	WCDMA 10ms/0.667ms HSPA 2ms/0.667ms	WCDMA 10ms/0.667ms HSPA 2ms/0.667ms	WCDMA 10ms/0.667ms HSPA 2ms/0.667ms
Modulation	QPSK 16QAM 64QAM	QPSK 16QAM 64QAM	QPSK 16QAM 64QAM	QPSK 16QAM 64QAM
MS Power (dBm)	25.7 ~ -49(↓)	25.7 ~ -49(↓)	25.7 ~ -49(↓)	25.7 ~ -49(↓)
Power Class	3(max+24dBm)	3(max+24dBm)	3(max+24dBm)	3(max+24dBm)
Sensitivity	-106dBm	-104dBm	-104dBm	-103dBm



2-3-2. WCDMA General Specification [SM-A205G/GN]

Item	WCDMA2100(B1)	WCDMA1900(B2)	WCDMA AWS(B4)	WCDMA850(B5)	WCDMA900(B8)
Freq. Band[MHz] Uplink/Downlink	1920~1980 2110~2170	1850~1910 1930~1990	1710~1755 2110~2155	824~849 869~894	880~915 925~960
ARFCN range	UL: 9612~9888 DL: 10562~10838	UL: 9262~9538 DL: 9662~9938	UL: 1312~1513 DL: 1537~1738	UL: 4132~4233 DL: 4357~4458	UL: 2712~2868 DL: 2937~3088
Tx/Rx spacing	190MHz	80MHz	400MHz	45MHz	45MHz
Mod. Bit rate/ Bit Period	42.2Mbps(DL) 5.42Mbps(UL)	42.2Mbps(DL) 5.42Mbps(UL)	42.2Mbps(DL) 5.42Mbps(UL)	42.2Mbps(DL) 5.42Mbps(UL)	42.2Mbps(DL) 5.42Mbps(UL)
Time Slot Period/ Frame Period	WCDMA 10ms/0.667ms HSPA 2ms/0.667ms	WCDMA 10ms/0.667ms HSPA 2ms/0.667ms	WCDMA 10ms/0.667ms HSPA 2ms/0.667ms	WCDMA 10ms/0.667ms HSPA 2ms/0.667ms	WCDMA 10ms/0.667ms HSPA 2ms/0.667ms
Modulation	QPSK 16QAM 64QAM	QPSK 16QAM 64QAM	QPSK 16QAM 64QAM	QPSK 16QAM 64QAM	QPSK 16QAM 64QAM
MS Power (dBm)	25.7 ~ -49(↓)	25.7 ~ -49(↓)	25.7 ~ -49(↓)	25.7 ~ -49(↓)	25.7 ~ -49(↓)
Power Class	3(max+24dBm)	3(max+24dBm)	3(max+24dBm)	3(max+24dBm)	3(max+24dBm)
Sensitivity	-106dBm	-104dBm	-106dBm	-104dBm	-103dBm



2-4-1. LTE General Specification [SM-A205F/FN]

ltem	LTE Band1	LTE Band3	LTE Band5	LTE Band7	LTE Band8
Freq. Band[MHz]	1920~1980	1710~1785	824~849	2500~2570	880~915
Uplink/Downlink	2110~2170	1805~1880	869~894	2620~2690	925~960
ARFCN range	UL:18000~18599	UL:19200~19949	UL:20400~20649	UL:20750~21449	UL:21450-21799
, and orthonyo	DL:0~599	DL:1200~1949	DL:2400~2649	DL:2750~3449	DL:3450-3799
Tx/Rx spacing (MHz)	190	95	45	120	45
Channel Bandwidth (MHz)	5/10/15/20	1.4/3/5/10/15/20	1.4/3/5/10	5/10/15/20	1.4/3/5/10
Modulation	QPSK,16/64QAM 256QAM(DL only)				
MS Power (dBm)	25.7~-39(↓)	25.7~-39(↓)	25.7~-39(↓)	25.7~-39(↓)	25.7~-39(↓)
Sensitivity(QPSK, BW 10MHz) (dBm)	-96.3	-93.3	-94.3	-94.3	-93.3

Item	LTE Band20	LTE Band38	LTE Band40	LTE Band41
Freq. Band[MHz] Uplink/Downlink	832~862 791~821	2570~2620	2300~2400	2496~2690
ARFCN range	UL:24150~24449 DL:6150~6449	UL/DL:37750 ~ 38249	UL/DL:38650 ~ 39649	UL/DL:39650 ~ 41589
Tx/Rx spacing (MHz)	-41	0	0	0
Channel Bandwidth (MHz)	5/10/15/20	5/10/15/20	5/10/15/20	5/10/15/20
Modulation	QPSK,16/64QAM 256QAM(DL only)	QPSK,16/64QAM 256QAM(DL only)	QPSK,16/64QAM 256QAM(DL only)	QPSK,16/64QAM 256QAM(DL only)
MS Power (dBm)	25.7~-39(↓)	25.7~-39(↓)	25.7~-39(↓)	25.7~-39(↓)
Sensitivity(QPSK, BW 10MHz) (dBm)	-93.3	-96.3	-96.3	-94.3

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2-4-2. LTE General Specification [SM-A205G/GN]

ltem	LTE Band1	LTE Band2	LTE Band3	LTE Band4	LTE Band5
Freq. Band[MHz]	1920~1980	1850~1910	1710~1785	1710~1755	824~849
Uplink/Downlink	2110~2170	1930~1990	1805~1880	2110~2155	869~894
ARFCN range	UL:18000~18599	UL:18600~19199	UL:19200~19949	UL:19950~20399	UL:20400~20649
ARECINITALIYE	DL:0~599	DL:600~1199	DL:1200~1949	DL:1950~2399	DL:2400~2649
Tx/Rx spacing (MHz)	190	80	95	400	45
Channel Bandwidth (MHz)	5/10/15/20	1.4/3/5/10/15/20	1.4/3/5/10/15/20	1.4/3/5/10/15/20	1.4/3/5/10
Modulation	QPSK,16/64QAM	QPSK,16/64QAM	QPSK,16/64QAM	QPSK,16/64QAM	QPSK,16/64QAM
wodulation	256QAM(DL only)	256QAM(DL only)	256QAM(DL only)	256QAM(DL only)	256QAM(DL only)
MS Power (dBm)	25.7~-39(↓)	25.7~-39(↓)	25.7~-39(↓)	25.7~-39(↓)	25.7~-39(↓)
Sensitivity (QPSK, BW 10MHz) (dBm)	-96.3	-94.3	-93.3	-96.3	-94.3

Item	LTE Band7	LTE Band8	LTE Band12	LTE Band13	LTE Band17	LTE Band20
Freq. Band[MHz]	2500~2570	880~915	699~716	777~787	704~716	832~862
Uplink/Downlink	2620~2690	925~960	729~746	746~756	734~746	791~821
ARFCN range	UL:20750~21449 DL:2750~3449	UL:21450-21799 DL:3450-3799	UL:23010~23179 DL:5010~5179	UL:23180~23279 DL:5180~5279	UL:23730~23849 DL:5730~5849	UL:24150~24449 DL:6150~6449
Tx/Rx spacing (MHz)	120	45	30	-31	30	-41
Channel Bandwidth (MHz)	5/10/15/20	1.4/3/5/10	1.4/3/5/10	1.4/3/5/10	5/10	5/10/15/20
Modulation	-			QPSK,16/64QAM 256QAM(DL only)		-
MS Power (dBm)	25.7~-39(↓)	25.7~-39(↓)	25.7~-39(↓)	25.7~-39(↓)	25.7~-39(↓)	25.7~-39(↓)
Sensitivity(QPSK, BW 10MHz)(dBm)	-94.3	-93.3	-93.3	-93.3	-93.3	-93.3

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Item	LTE Band28	LTE Band38	LTE Band40	LTE Band41	LTE Band66
Freq. Band[MHz] Uplink/Downlink	703~748 758~803	2570~2620	2300~2400	2496~2690	1710~1780 2110~2200
ARFCN range	UL:27210~27659 DL:9210~9659	UL/DL:37750 ~ 38249	UL/DL:38650 ~ 39649	UL/DL:39650 ~ 41589	UL:131972~132671 DL:66436~67335
Tx/Rx spacing (MHz)	55	0	0	0	400
Channel Bandwidth (MHz)	3/5/10/15/20	5/10/15/20	5/10/15/20	5/10/15/20	1.4/3/5/10/15/20
Modulation	QPSK,16/64QAM 256QAM(DL only)				
MS Power (dBm)	25.7~-39(↓)	25.7~-39(↓)	25.7~-39(↓)	25.7~-39(↓)	25.7~-39(↓)
Sensitivity (QPSK, BW 10MHz) (dBm)	-94.8	-96.3	-96.3	-94.3	-95.8



3. Product Function

Main Function

Item	Description
OS	Android P OS V9.0
SM-A205F/FN RF	GSM850 / GSM900 / DCS1800 / PCS1900 WCDMA: B1/ B2/ B5/ B8 LTE: (FDD) B1/ B3/ B5/ B7/ B8/ B20 (TDD) B38/ B40/ B41
SM-A205G/GN RF	GSM850 / GSM900 / DCS1800 / PCS1900 WCDMA: B1/ B2/ B4/ B5/ B8 LTE: (FDD) B1/ B2/ B3/ B4/ B5/ B7/ B8/ B12/ B13/ B17/ B20/ B28/ B66 (TDD) B38/ B40/ B41
Battery	4,000mAh(Typ) 3,900mAh(Min)
Base Band	Octa core (1.6GHz / 1.35Ghz)
Other RF	GPS, Glonass, Beidou, Galileo, BT5.0, USB 2.0, WIFI 802.11 b/g/n(2.4G), FM Radio, NFC(SM-A205FN/GN)
Camera	Rear : 13.0MP+ 5MP, Front : 8.0MP
LCD	6,4" On-Cell Touch AMOLED, 720 x 1560 (HD+)
RAM	3GB
Storage	32GB
Sensor	Accelerometer, Fingerprint Sensor, Gyro Sensor, Gemagnetic Sensor Hall Sensor, Proximity Sensor
Accessory	Charger: 9V/1.67A and 5V/2.0A AFC charging Data cable: 3.0pi, 0.8m(USB-C) Ear phone: 3.5pi, 4pin



6-1. S/W Update

6-1-1. Preparation

- S/W Update program : Fenrir 5.17.xxxx
- Mobile Phone
- Data Cable

*** Settings**





Data Cable : GH39-01999A



6-1-2. How to use 'Fenrir' S/W update program.

1) Launch Fenrir by clicking on the icon on the desktop



- SVH (Fenrir_Home) : It uses Home binary which does not have user data area in the memory when flashed to a device. (Keep user data)

- SVC (Fenrir_Factory) : It uses Factory binary which erases all user data in the memory when flashed to a device. (Clear user data)

- SVA (Fenrir_All) : It uses Factory and Home binaries. you can download Home and Factory binary in a PC(but requires double HDD storage and NW traffic)

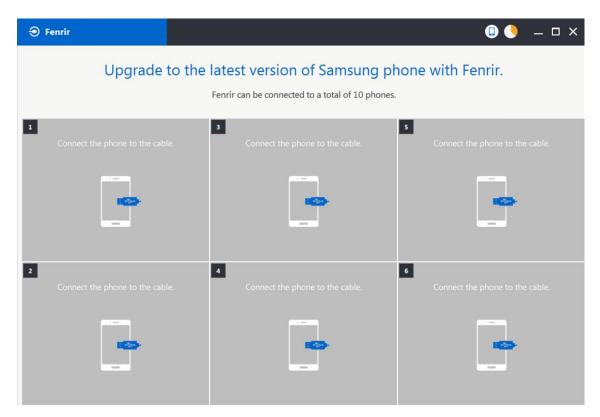
2) Input ID & password

* You need to reset the ID information in case of PC change and format and repair, hard disk change

Senrir		×
Input the ID and password registered to the SAMSUNG Fenrir service.	ID: Password:	
		Proxy
		Login Close



3) Ensure device has sufficient charge (at least 20%) to start firmware update.



- 4) Connect the device to PC via data cable.
- 5) Upon USB connection, you will be presented with below screen.

Fenrir		N 🗊 🌖 🗕 🗆 X				
Upgrade to the latest version of Samsung phone with Fenrir. Fenrir can be connected to a total of 10 phones.						
1 Connecting to phone.	3 Connect the phone to the cable.	S Connect the phone to the cable.				
-						
2 Connect the phone to the ca	4 Connect the phone to the cable.	6 Connect the phone to the cable.				

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6) Once device is detected, you will be presented with below screen. To update S/W, select "S/W Update" or to exit select "SVC Connection". If you select "SVC Connection", only Fenrir connection history (record) will be stored in the FUS server to support warranty validation. (This is known as "Service Connection" history)

€ Fenrir		🕒 🌖 🗕 🗆 🗙
Upgrade to the	e latest version of Samsung pl Fenrir can be connected to a total of 10 phones.	
1 Update to the latest version D1222165300qL2 XSG (2579) Galaxy Note8 (SM-N950F) Nougat(Android 7.1.1) N950FXU228QKG/N950FXXU28QKG/N 0FXXU28QKG/N950FXXU28QKG/N Will begin after 8 seconds SVC Connection S/W Update	3 Connect the phone to the cable.	Connect the phone to the cable.
2 Connect the phone to the cable.	Connect the phone to the cable.	Connect the phone to the cable.

7) Once Fenrir starts, application will display the below screen. And select the Start button & Agree button.

All data will be erased from the phone during the upgrade. Will you continue? Do not disconnect phone.	Fenrir Service terms and conditions. * Information about caution regarding data loss You are about to commence the upgrade of your mobile device software using Fenrir.All files and data on your mobile device must be backed up by you before continuing. You understand that use of Fenrir to upgrade your device's software may result in the loss of your files and data.Samsung and authorised third parties, where "Fenrir " is installed, shall not be liable for the loss of any files or data stored on your mobile device as a result of this
< Cancel Start >	< Cancel Agree >



8) The status circle increases as the update installs. The update process takes approximately 5-10 minutes to complete. Do not disconnect the device from USB during processing.

Fenrir		💷 🌖 🗕 🗆 ×
Upgrade	to the latest version of Samsung ph Fenrir can be connected to a total of 10 phones.	
1 Running upgrade Do not disconnect phone. D1222165552ygx XSG 3579 Galay Notel (SM: N050F) Nougat(Ardioid 7.1.1) N5507XU28QKG/N950FXXU2		S Connect the phone to the cable.
2 Connect the phone to the cab	e. Connect the phone to the cable.	Connect the phone to the cable.

9) Once complete, application will present the below screen indicating update complete. Click Ok and detach device from USB.

Fenrir		□ 🔷 🗕 🗆 ×
Upgrade	to the latest version of Samsung p Fenrir can be connected to a total of 10 phone	
1 Upgrade finished. Disconnect phone. D1222165523ygx XSG 35797 Galaxy Notes (SM-N950F) Nougat(Android 21.11) Nougat(Android 21.12) Nougat(Android 21.12) N		S Connect the phone to the cable.
2 Connect the phone to the cab	e. Connect the phone to the cable.	6 Connect the phone to the cable.

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6-2. How to use 'Odin' program

S/W Update via Fenrir is mandatory.Below is the method to use 'Odin' program in any specific case.

6-2-1. Preparation

- Installation program : Odin3 v3.13.2.exe or above
- Mobile Phone
- Data Cable
- S/W Binary files (downloaded from GSPN)

※ Settings





Data Cable : GH39-01999A



6-2-2. S/W Installation Program (Downloader program)

Open up the S/W Installation Program by executing the "Odin3 v3.13.2.exe"

📮 Odin3 v3.13	
Odin3	
ID:COM	
Log Options Pit	Tips - How to download HOME binary OLD model : Download one binary "(BUILD_VER)_XXX_HOME.tar.md5" ex) G925FXXU3DPA5_G925F0XA3DPA5_G925FXXU3DPA5_HOME.tar.md5 NEW model : Download BL + AP + CP + HOME_CSC
	BL
	AP
	СР
	CSC
	USERDATA
	Mass D/L ►
	Start Reset Exit
Odin Community : <u>http://mobilerndhub.sec.samsung.net/hub/site/od</u>	lin/



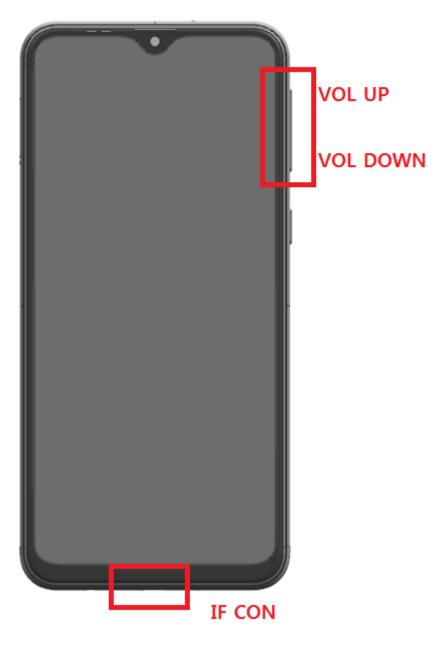
- 1. Enable the check mark by click on the following options
- Check Auto Reboot, F. Reset Time, Nand Erase
- Check BL, AP, CP, CSC Files
- * Note : "Odin v3.13.2 or above" checks MD5 checksum just after file selection.

📮 Odin3 v3.13	
Odin3	
	Tips - How to download HOME binary
Log Options Pit	OLD model : Download one binary "(BUILD_VER)_XXX_HOME.tar.md5" ex) G925FXXU3DPA5_G925FOXA3DPA5_G925FXXU3DPA5_HOME.tar.md5 NEW model : Download BL + AP + CP + HOME_CSC
☑ Nand Erase ☑ Re-Partition	BL 3960FXXU1ARB7_CL13087450_QB17004700_REV01_user_low_ship.tar.md5
✓ F. Reset Time	AP XXU1ARB7_CL13087450_QB17004700_REV01_user_low_ship_meta.tar.md5
DeviceInfo	✓ CP #HI0IL12I₩CP_G960FXXU1ARB7_CL717541_Q88985489_SIGNED.tar.md5
	CSC 960FOXM1ARB7_CL13087450_QB17004700_REV01_user_low_ship.tar.md5
	USERDATA
AutoStart - Reboot download if possible	Mass D/L ►
	Start Reset Exit
Odin Community : <u>http://mobilerndhub.sec.samsung.net/hub/site/od</u>	lin/



2. Enter into Download Mode

- Enter into Download Mode by pressing Volume Down button, Intelligence button and ON/OFF Button simultaneously followed by pressing Volume up button as a direction of the phone.





3. Connect the device to PC via Data Cable.

Make sure that the one of communication ports [ID:COM] box is highlighted in sky blue. The device is now connected with the PC and ready to download the binary files in it.

	📮 Odina v3.13		
	Odin3		
	TD. COM		
Log Options Pit Image: Cost of the served of t	<osm> Please wait <osm> Checking MD5 finished Sucessfully <osm> Leave CS <osm> Check MD5 Do not unplug the cable <osm> Please wait <osm> Check MD5 Do not unplug the cable <osm> Check MD5 Added!! <dd:0 003=""> Removed!! <id:0 003=""> Added!!</id:0></dd:0></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm>	OLD model : Download one binary "(BUILD_VER)_XXX_HOME.tar.md5" ex) G925FXXU3DPA5_G925FXXU3DPA5_G925FXXU3DPA5_HOME.tar.md5 NEW model : Download BL + AP + CP + HOME_CSC Image: Black interval in the image in the imag	NED.tar.md5 NED.tar.md5 ship.tar.md5



4. Start downloading the binary files into the device by clicking Start button on the screen.

The green colored "PASS!" sign will appear on the upper-left box if the binary files have been successfully downloaded into the device.

🛱 Odiu3 v3.13			
Odin3			
PASSI			
03:33			
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Odin Community : http://mobilerndhub.sec.samsung.net/hub	/site/odin/		Start Reset Exit

5. Disconnect the device from the Data cable.

6. Once the device boots up, you can check the version of the binary file or name by pressing the following code in sequence; *#1234#

You can perform Factory data Reset by Settings \rightarrow General Management \rightarrow Reset

***** Caution. Never disconnect during the S/W downloading.



6-3. IMEI writing

6-3-1. Preparation

- New IMEI writing Program has been released.
- Supported Model : Models which CAB files are uploaded on HHPsvc INI File category, instead of ini file.
- Refer to below IMEI writing procedure.

- H/W



- S/W

1 Library Install	To use Daseul, library files should be installed. Refer to SVC Bulletin "(11-82) Daseul (New IMEI writing Program) Library Install guide_rev1.0"	
②Launcher	DASEUL_SVC_Launcher_v3.0.12 or higher -Uploaded on HHPsvc Notice	
③ Runtime File	 DASEUL_IMEI_ALL_Runtime_3.1.348.0_r00519.CAB or higher -Uploaded on HHPsvc Notice Make 'SM-A205F' folder at the same position with launcher & Runtime file. 	
	DASEUL_IMEL_ALL_Runtime_3.1.348.0_r00519.CAB DASEUL_Launcher_v4.0.0.exe SM-G960F_SS(CSC)_IMEL_Ver_3.1.343.10.CAB	
④Model File	Copy Model File under the 'SM-A205F' folder	

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6-3-2. IMEI writing Process

ASEUL_SVC_Launcher_v3	ncher_v3.0.12.exe
2. Select Service Mode	X
ASEUL Launcher for Service Ver 3.0.10 < Launcher Status ≻	
No. Processing	MODE : Service -
1 ::: Start Normal Mode for Service :::	Complete
- Select Extract Process-	
Runtime SMD F/T PBA F/T Calibration CAL 2nd Final Auto Final 2nd IMEI WLAN GPS B T	Extract & Run
3 DASEUL Launcher for Service Ver 3.0.10	der where the Launcher exists
< Launcher Status >	
< Launcher Status >	MODE : Service -
< Launcher Status > No. Processing 1 ::: Start Normal Mode for Service :::	MODE : Service Status
No. Processing	Status
No. Processing 1 ::: Start Normal Mode for Service :::	Status Complete

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nrcher Status > MODE : Service Processing Status	
Processing Status	
ct Extract Process	
MODEL] Model Name	
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A F/T	
albration	
AL 2nd	
inal Auto	
inal 2nd	
IEI GT-N7000_COMMON(CSC16G)_IMEL_Ver_3.1.99.8.CAB	
VLAN	
Т	
Extract & Run Close	
nce you setup the setting, you don t have to do it again, unless there m second run of the IMEI program, check IMEI and click Extract & R ASEUL Launcher for Service Ver 30.10	
auncher Status > MODE : Service -	
io. Processing Status	
1 Kil Program Complete	
1 Kil Program Complete 2 Create DASEUL Directory Complete 3 Extracting DASEUL_Runtime_Ver_3.1.126.2.CAB File Complete	
1 Kil Program Complete 2 Create DASEUL Directory Complete	
1 Kil Program Complete 2 Create DASEUL Directory Complete 3 Extracting DASEUL_Runtime_Ver_3.1.126.2.CAB File Complete	
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6. Check IMEI Write / IMEI C	Check and click IMEI S	/C & Repair Option.
🗯 Sat Syste	em Configuratio	n X
Set System Configuration		
	Condition	System Config.
	CAL Cycle: on every	Language English Model Information
PBA F/T	20 default CALs	Line Name LINE(temp)
Calibration	bration Mode : FDT	Line Type 1Person Cell
Calibration ZND	.2nd Mode : FDT -	Smart Cloud Cell
Final Auto 2ND		Signal Loss
Final Manual Final Supp	oly RF Signal by Conduction 💌	# of Phone 1 Config.
IMEI Write 🔽 🗆		Start Number of UI
MDL+2nd Chect	eset Loss Correction Count	Start Number 1
MDL Rework	Mode : Signaling	IP Address 10.244.246.156
STA Write	mode : agnaing	SKD Mode
STA Check	N	MultiSharing(CMWS)
		Developer Mode
GPS 🗆 🗖	: Mode : WLan	Advanced Separating(ADS)
BT IIII	RFSM	End Band
WLAN	Second PC	Operation Condition
Bluetooth Sav	re ODS	Operation RUN Engine Freq.
	rge Felica Cal	Condition SeeLog
IBI	Reset 🗌	(2) IMEI SVC&Repair Option OK
Process Order		
7. Check 'SVC , User Ticket	No' and click OK	
-		57
IMEI SVC && Repair Option		23
FTR N/A -	Rework N/A	Vite Vite
SVC User Ticket No 🗸	SELA MIAMI	- Local FOTA Check
	,	
DEVELOPE	Repair Board	SVC Factory Reset
Romania SVC	Argentina SKD	
Initial PGM(SVC)	Turkey	
ATT Rework	Slovakia SVC	
IMEI Clear(Factory)	GED 2nd Inspection	
_	_	
Outgoing Inspection Check	SBSC(PBA) SVC	
		OK CANCEL
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AN ver Off-On be etooth	fore WLAN	Use RFSM Use Second PC Save ODS IMEI SVC&Repair Option		Operation Co Operation Condition	on		Band K		

منبع مقاله tamiraat.com

12. Click Model Info and OK when pop-up shows	
Process MEI Write(M) - IMEI Check(M) Service PGM Ver DASEUL_V3 1213 0 / IMEI(00038)	
Phone 01	
Status Press [START ALL] Button!!!	
Result None	
Time 0.0 second (Average : 0.0 second)	
Fail(%) Total Test: 0, Test Fail: 0 (Rate: 0.0%)	
U/N : -	
Phone 01	
[Status] Phone01 [Result] Phone01 [Infe] Phone01 [Version Info] [Fail] All	
IMEI Num(Slave) - SN Num ELECTRONICS	
IMEINum(3rd) - - ■ MEPersonal Lock Lock Setting	
Code Field Cost Key	
Subset UnLock Key SP UnLock Key	
Stop	
Reset	
Auto Recipe Setting Test Item HW Setting Setting(Etc.) Etc Func Data	
:: [One Step] :: [Machine Freq : 100 ms] [DBMS Type : Outside-WebSVC] Level : [D1-Error] 🍡 🛃 🥄 R 2016-07-06 16:53:28 💥	J
13. Click OK	
About ComponentOne VSFlexGrid8 (Light)	
ComponentOne	
ComponentOne VSFlexGrid8 (Light)	
Version: 8,0,20101,261	
This dialog box will not be shown if you recompile the program using a licensed version of this	
Online http://www.componentone.com Check for online	
Newsgroup Web store Resellers For email support, please write to: support, vsflex@componentone.com	
For email support, please write to: support, vsflex@componentone.com Contact Us ComponentOne Technical	
This product included in ComponentOne Studio(tm)	
Copyright © 2001, 2010 ComponentOne LLC, All rights reserved,	

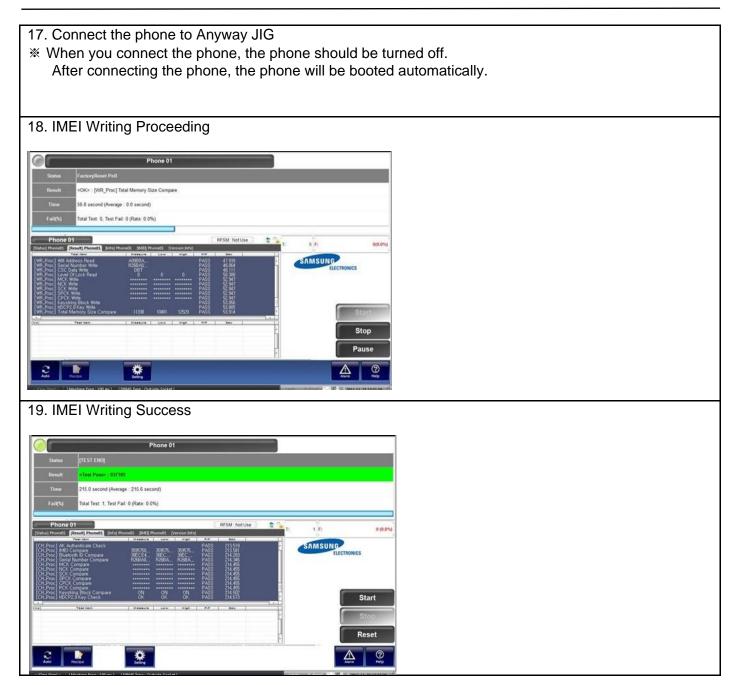
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I Writing Items			×			
CSC						
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DMB						
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Status Press [ST Result None	Phone 0					
Status Press [ST Result None Time 0.0 secon	Phone 0 RT ALL] Button!!! (Average : 0.0 second)					
Status Press [ST Result None Time 0.0 secon Fail(%) Total Test	Phone 0 RT ALL] Button!!!					
Status Press [ST Result None Time 0.0 secon Fail(%) Total Test	Phone 0 RT ALL] Button!!! (Average : 0.0 second)					
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9. Reference Abbreviation

Reference Abbreviation

- AAC: Advanced Audio Coding.
- AVC : Advanced Video Coding.
- BER : Bit Error Rate
- BPSK: Binary Phase Shift Keying
- CA : Conditional Access
- CDM : Code Division Multiplexing
- C/I : Carrier to Interference
- DMB : Digital Multimedia Broadcasting
- EN : European Standard
- ES : Elementary Stream
- ETSI: European Telecommunications Standards Institute
- MPEG: Moving Picture Experts Group
- PN : Pseudo-random Noise
- PS : Pilot Symbol
- QPSK: Quadrature Phase Shift Keying
- RS : Reed-Solomon
- SI : Service Information
- TDM : Time Division Multiplexing
- TS : Transport Stream

