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/Downlink		869~894	925~960	1805~1880	1930~1990
ARFCN range		128~251	0~124 & 975~1023	512~885	512~810
Tx/Rx spacing		45MHz	45MHz	95MHz	80MHz
Mod. Bit rate/		270.833kbps	270.833kbps	270.833kbps	270.833kbps
Bit P	eriod	3.692us	3.692us	3.692us	3.692us
	ot Period/	576.9us	576.9us	576.9us	576.9us
Frame	Period	4.615ms	4.615ms	4.615ms	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)
Sensitivity		-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. WCDMA General Specification

	WCDMA2100(B1)	WCDMA1900(B2)	WCDMA AWS(B4)	WCDMA850(B5)	WCDMA900(B8)
Freq. Band[MHz]	1920~1980	1850~1910	1710~1755	824~849	880~915
Uplink/Downlink	2110~2170	1930~1990	2110~2155	869~894	925~960
ARFCN range	UL: 9612~9888	UL: 9262~9538	UL: 1312~1513	UL: 4132~4233	UL: 2712~2868
	DL: 10562~10838	DL: 9662~9938	DL: 1537~1738	DL: 4357~4458	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	W CDMA 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	W CDMA 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. LTE General Specification

	LTE Band1	LTE Band2	LTE Band3	LTE Band4	LTE Band5	LTE Band7
Freq. Band[MHz]	1920~1980	1850~1910	1710~1785	1710~1755	824~849	2500~2570
Uplink/Downlink	2110~2170	1930~1990	1805~1880	2110~2155	869~894	2620~2690
ARFCN range	UL:18000~18599 DL:0~599	UL:18600~19199 DL:600~1199	UL:19200~19949 DL:1200~1949	UL:19950~20399 DL:1950~2399	UL:20400~20649 DL:2400~2649	UL:20750~21449 DL:2750~3449
Tx/Rx spacing (MHz)	190	80	95	400	45	120
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	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)	-96.3	-94.3	-93.3	-96.3	-94.3	-94.3



	LTE Band8	LTE Band12	LTE Band13	LTE Band17	LTE Band18	LTE Band19
Freq. Band[MHz]	880~915	699~716	777~787	704~716	815~830	830~845
Uplink/Downlink	925~960	729~746	746~756	734~746	860~875	875~890
ARFCN range	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:23850~23999 DL:5850~5999	UL:24000~24149 DL:6000~6149
Tx/Rx spacing (MHz)	45	30	-31	30	45	45
Channel Bandwidth (MHz)	1.4/3/5/10	1.4/3/5/10	1.4/3/5/10	5/10	5/10/15	5/10/15
Modulation		-		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(↓)	25.7~-39(↓)	25.7~-39(↓)
Sensitivity (QPSK, BW 10MHz) (dBm)	-93.3	-93.3	-93.3	-93.3	-96.3	-96.3



	LTE Band20	LTE Band26	LTE Band28	LTE Band38
Freq. Band[MHz] Uplink/Downlink	832~862 791~821	814~849 859~894	703~748 758~803	2570~2620
ARFCN range	UL:24150~24449 DL:6150~6449	UL:26690~27039 DL:8690~9039	UL:27210~27659 DL:9210~9659	UL/DL:37750 ~ 38249
Tx/Rx spacing (MHz)	-41	45	55	0
Channel Bandwidth (MHz)	5/10/15/20	1.4/3/5/10/15	3/5/10/15/20	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	-93.8	-94.8	-96.3



	LTE Band40	LTE Band41	LTE Band66
Freq. Band[MHz] Uplink/Downlink	2300~2400	2496~2690	1710~1780 2110~2200
ARFCN range	UL/DL:38650 ~ 39649	UL/DL:39650 ~ 41589	UL:131972~132671 DL:66436~67335
Tx/Rx spacing (MHz)	0	0	400
Channel Bandwidth (MHz)	5/10/15/20	5/10/15/20	1.4/3/5/10/15/20
Modulation	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(↓)
Sensitivity (QPSK, BW 10MHz) (dBm)	-96.3	-94.3	-95.8



2-5. TDSCDMA General Specification

	TDSCDMA2010(A)	TDSCDMA1880(F)
Chip rate	1.28 Mcps	1.28 Mcps
OBW	1.6 MHz	1.6 MHz
Freq. Band[MHz] Uplink/Downlink	2010~2025	1880~1920
ARFCN range	10054~10121	9404~9596
Tx/Rx spacing (MHz)	0	0
MS Power (dBm)	25.7 ~ -48(↓)	25.7 ~ -48(↓)
Power Class	2(max+24dBm)	2(max+24dBm)
Sensitivity (dBm /1.28 MHz)	-107.3	-107.3



3. Product Function

Main Function

Item	Description
OS	Android V7.1
RF	GSM850 / GSM900 / DCS1800 / PCS1900 WCDMA: B1/ B2/ B4/ B5/ B8 LTE: B1/ B2/ B3/ B4/ B5/ B7/ B8/ B12/ B13/ B17/ B18/ B19/ B20/ B26/ B28/ B38/ B40/ B41/ B66
Battery	3000mAh
Base Band	2.2Ghz Quad + 1.6GHz Quad
Other RF	A-GPS, Glonass, BEIDOU, BT5.0, USB 2.0 Type-C, WIFI 802.11 a/b/g/n/ac MIMO, NFC,MST
Camera	Front Dual Camera (16M/8M, F1.9), REAR Camera (16MP A/F, F1.7)
LCD	5.6", FHD+, 2220x1080
RAM	4GB
Sensor	Accelerometer, Barometer, Fingerprint Sensor, Gyro Sensor, Geomagnetic Sensor, Hall Sensor, Proximity Sensor, RGB Light Sensor
Accessory	Charger: 5V/2A (AFC: 9V/1.67A) Data cable: 2.8pi, 1.2m(USB Type C) Ear phone: 3.5pi, 4pin



9. Reference Abbreviate

Reference Abbreviate

- 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



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.



6-1. S/W Download

6-1-1. Prepare for S/W Downloading

- Installation program: Downloader Program (Odin3 v3.12.10.exe)
- Mobile Phone
- Data Cable
- Mobile device specific S/W: Binary files

X Settings





Data Cable : GH39-01886A



6-1-2. S/W Installation Program (Downloader program)

■ Open up the S/W Installation Program by executing the "Odin3 v3.12.10.exe"

📮 Odin3 v3.12	
Odin3	
ID:COM	
Log Options Pit	Iow 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 CP CP USERDATA
Bit	Mass D/L ►
Odin Community : <u>http://mobilerndhub.sec.samsung.net/hub/site/odin/</u>	Start Reset Exit



منبع مقاله tamiraat.com

- 1. Enable the check mark by click on the following options
- Check Auto Reboot, F. Reset Time, Nand Erase
- Check PIT
- Check BOOTLOADER, PDA, PHONE, CSC and USERDATA Files
- * Note : "Odin v3.12.10 or above" checks MD5 checksum just after file selection.

ID:COM	
Log Options Pit	Tips - How to download HOME binary 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
PIT	BL C1_CL10809833_QB12740772_REV00_user_low_ship_MULTI_CERT.tar.mo
#170302_USER_QC1_VZW\#DREAM2QLTE_USA_SINGLE.pit	Ap 10809833_QB12740772_REV00_user_low_ship_MULTI_CERT_meta.tar.mc
	CP 57_CL 10809833_QB12740772_REV00_user_low_ship_MULTI_CERT.tar.mc
	CSC C1_CL10809833_Q812740772_REV00_user_low_ship_MULTI_CERT.tar.mc
	USERDATA -1_CL 10809833_Q812/40772_KEV00_USEr_jow_snp_40L11_CEK1.tar.md
	Binary Size 4512.5MB Mass D/L ►
Odin Community : <u>http://mobilerndhub.sec.samsung.net/hub/site/c</u>	Start Reset Exit
Log Options Pit Auto Reboot Auto Reboot Auto Reboot Auto Repartition F. Reset Time DeviceInfo Flash Lock Phone EFS Clear Phone Bootloader Update AutoStart Reboot download if possible	Tips - How to download HOME binary "(BUILD_VER)_XXX_HOME.tar.md5" 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: Strategy and the strategy an
Auto Reboot Nand Erase Re-Partition F. Reset Time DeviceInfo Flash Lock Phone EFS Clear Phone BFS Clear AutoStart Reboot download if possible	OLD model : Download one binary "(BUILD_VEN)_XXX_HOME.tar.md5" ex) G925FXXI3DPA5_G925FXXI3DPA5_G925FXXI3DPA5_HOME.tar.md5 NEW model : Download BL + AP + CP + HOME_CSC Image: the state of the st
Auto Reboot Auto Reboot Nand Erase Re-Partition F. Reset Time DeviceInfo Flash Lock Phone EFS Clear Phone Bootloader Update AutoStart T	OLD model : Download one binary "(BUILD_VEN)_XXX_HOME.tar.md5" ex) G925FXXI3DPA5_G925FXXI3DPA5_G925FXXI3DPA5_HOME.tar.md5 NEW model : Download BL + AP + CP + HOME_CSC Image: the state of

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2. Enter into Download Mode

- Enter into Download Mode by pressing Volume UP/Down 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.

📮 Odin3 v3.12	
Odin3	
ID:COM 0:[COM1067]	
Log Options Pit <osm> Check MD5 Do not unplug the cable <osm> Please wait <osm> Checking MD5 finished Sucessfully <osm> Checking MD5 finished Sucessfully <osm> Checking MD5 <osm> Checking MD5 <osm> Checking MD5 <osm> Checking MD5 <osm> Check MD5 Do not unplug the cable <osm> Leave CS <osm> Check MD5 <osm> Check MD5 Do not unplug the cable <osm> Check MD5 COSM> Check MD5 <osm> Check MD5 COSM> Check MD5 <osm> Check MD5 COSM> Check MD5 <osm> Check MD5 Do not unplug the cable <osm> Checking MD5 finished Sucessfully <osm> Leave CS <id:0 1067=""> Added!! </id:0></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm>	Tips - How to download HOME binary OLD model : Download one binary (BULLD_VER)_XXX_HOME.tar.md5" ex) (9225FXXU3DPA5_G925F0XA3DPA5_G925F0XU3DPA5_HOME.tar.md5 NEW model : Download BL + AP + CP + HOME_CSC Image: BL D1_CL10809833_QB12740772_REV00_user_low_ship_MULTI_CERT.tar.md5 Image: BL D1_CL10809833_QB12740772_REV00_user_low_ship_MULTI_CERT.tar.md5 Image: CP S7_CL10809833_QB12740772_REV00_user_low_ship_MULTI_CERT.tar.md5 Image: CSC D1_CL10809833_QB12740772_REV00_user_low_ship_MULTI_CERT.tar.md5 Image: CSC D1_CL10



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.

📮 Odin3 v3.12	
Odin3	
PASS!	
ID:COM	
Log Options Pit <osm> Please wait <osm> Checking MD5 finished Sucessfully <osm> Leave CS <osm> Check MD5 Do not unplug the cable <osm> Check MD5 No not unplug the cable <osm> Check MD5 Added!! <id:0 1067=""> Removed!!</id:0></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm></osm>	Tips - How to download HOME binary 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 Image: Start
Odin Community : <u>http://mobilerndhub.sec.samsung.net/hub/site/odi</u>	

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.

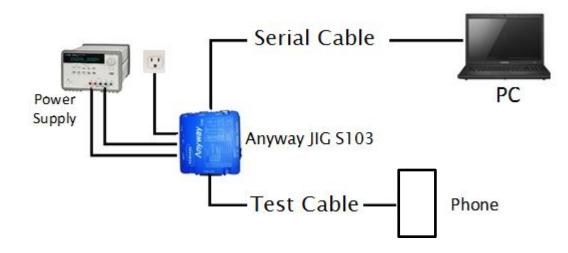


6-2. IMEI writing

6-2-1. 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"
2 Launcher	DASEUL_SVC_Launcher_v3.0.12 or higher -Uploaded on HHPsvc Notice
③ Runtime File	 DASEUL_IMEI_ALL_Runtime_3.1.281.0_r00405.CAB or higher Uploaded on HHPsvc Notice Make 'ModelName' folder at the same position with
	DASEUL_IMEL_ALL_KUNUME_3.1.281.0_700405.CAB
④Model File	Copy Model File under the 'Model Name' folder



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6-2-2. IMEI writing Process

1. Run DASEUL_SVC_La	uncher_v3.0.12.exe	
ASEUL_SVC_Launcher_	v3.0.12.exe	
2. Select Service Mode		
A DASEUL Launcher for Service Ver 3.0.10	set and	
< Launcher Status >	MODE : Service	•
No. Processing 1 ::: Start Normal Mode for Service :::	Status Complete	
Select Extract Process		
[MODEL] Runtime SMD F/T PBA F/T Calibration CAL 2nd Final Auto Final 2nd MEI VULAN SPS B T	System Setting	Close
3. Click and Select for Barrie Ver 3.0.10	older where the Launcher	exists
No. Processing 1 ::: Start Normal Mode for Service :::	Status Complete	
폴더 찾아보기 Select Model Path		
Select Extract Process ● 야운북 [MODEL] ● ⓒ 안 한 가 Runtime ● ⓒ 안 한 가 SMD F/T ● ⓒ 안 한 가 PBA F/T ● ⓒ 안 한 감기 Calbraton ● ⓒ 안 한 감기 Chal 2nd ● ⓒ 안 한 감기 Final Auto ● ⓒ 안 한 감기 Final 2nd ☞ 류자동 IMEI ☞ 대편 WULAN 플디(F): 파일 GPS 새 플디 만들기(A)		
	Extract & Run Close	

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EUL Launcher for Service Ver 3.0.10		
ncher Status >	MODE : Service -	
Processing	Status	
ect Extract Process		
MODEL] Model name	System Setting	
Runtime		
SMD F/T		
PBA F/T		
Calibration		
CAL 2nd		
Final Auto		
Final 2nd IMEI GT-N7000_COMMON(CSC16)	C) 14/C1 Mar 2 1 00 0 CAR	
INEI GT-N7000_COMMON(CSC16 WLAN	0]_INET_AGT31122399008	
GPS		
ВТ		
	Extract & Run	
	ng, you don t have to do it again, unless there i	
nce you setup the settir m second run of the IN ASEUL Launcher for Service Ver 3.0.10		
nce you setup the settir m second run of the IN	ng, you don t have to do it again, unless there i IEI program, check IMEI and click Extract & Ru	
ASEUL Launcher for Service Ver 3.0.10 Launcher Status >	ng, you don t have to do it again, unless there in IEI program, check IMEI and click Extract & Ru MODE : Service - Status	
nce you setup the settir m second run of the IN ASEUL Launcher for Service Ver 3.0.10 Launcher Status >	ng, you don t have to do it again, unless there i IEI program, check IMEI and click Extract & Ru	
ASEUL Launcher for Service Ver 3.0.10 Launcher Status > No. Processing 1 Kill Program 2 Greate DASEUL Directory 3 Extracting DASEUL_Runtime_Ver_3.1.	ng, you don t have to do it again, unless there i IEI program, check IMEI and click Extract & Ru MODE: Service • Status Complete Complete Complete	
Acce you setup the settin m second run of the IM ASEUL Launcher for Service Ver 3.0.10 Launcher Status > No. Processing 1 Kil Program 2 Create DASEUL Directory	ng, you don t have to do it again, unless there i IEI program, check IMEI and click Extract & Ru MODE: Service • Status Complete Complete Complete	
ASEUL Launcher for Service Ver 3.0.10 Launcher Status > No. Processing 1 Kill Program 2 Greate DASEUL Directory 3 Extracting DASEUL_Runtime_Ver_3.1.	ng, you don t have to do it again, unless there i IEI program, check IMEI and click Extract & Ru MODE: Service • Status Complete Complete Complete	
ASEUL Launcher for Service Ver 3.0.10 ASEUL Launcher for Service Ver 3.0.10 Launcher Status > No. Processing 1 Kill Program 2 Greate DASEUL Directory 3 Extracting DASEUL_Runtime_Ver_3.1. 4 Extracting DASEUL_IMEL_ALL_Compore	ng, you don t have to do it again, unless there i IEI program, check IMEI and click Extract & Ru MODE: Service • Status Complete Complete Complete	
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6. Check IMEI Write / IMEI C	neck and click IMEI S	/C & Repair Option.	
💏 Set Syste	m Configuratio	n	X
Set System Configuration	1 Dialog		
PBA F/T Calibration Calibration 2ND Calibration 2ND Final Auto 2ND CAL2 Final Auto 2ND Final-Supply Final Manual Final-Supply IMEI Check Imediate MDL +2nd Check Imediate MDL Rework Imediate IMEI Read Test N STA Write Imediate STA Check Imediate STA Reset Imediate WLAN Imediate Power Off-On before WLAN Use 1 Bluetooth Save LCIA Merg	ation AL Cycle: on every 20 default CALs ation Mode : FDT m nd Mode : FDT m RF Signal by Conduction set Loss Correction Count tode : Signaling m	System Config. Language English Line Name LINE(temp) Line Type 1Person Cell Smart Cloud Cell # of Phone 1 Start Number of UI 1 Start Number 1 Start Number 1 Start Number 1 IP Address 10.244.246.156 SKD Mode MultiSharing(CMWS) Developer Mode Advanced Separating(ADS) Operation Condition Condition RUN SeeLog	Model Information Hardware Config Signal Loss Config.
Merge 2G3G Block Rad. OQC IBI Re Process Order		IMEI SVC&Repair Option	ок
7. Check 'SVC , User Ticket I IMEI SVC && Repair Option FTR N/A SVC User Ticket No DEVELOPE	No' and click OK Rework N/A SELA MIAMI N/A Repair Board	Korean SVC Write Korean FOTA Check SVC Factory Reset	
Romania SVC	Argentina SKD		
Initial PGM(SVC)			
ATT Rework	Slovakia SVC		
IMEI Clear(Factory)	GED 2nd Inspection		
Cutgoing Inspection Check	SBSC(PBA) SVC		
		OK	CANCEL

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0. Select Port Number and SAVE	
Set IO BUS Configuration	
Phone IO Bus Setting	
Common	Port #1
BaudRate 115200 - 1	
Data Bit 8 💌	
Parity No 💌	
Stop Bit	
	SAVE
	Cancel
1.Click OK to proceed	
📸 Set System Configurat	tion
Set System Configuration Dialog	
Test Process	System Config. Language English
[Process] [Master] [Slave] Real CAL Cycle: on every SMD F/T Image: Call Cycle: on every 20 mg/default CALs	information
28A F/T	Line Type Block Cell
Final Auto	
Final Manual Final Supply RF Signal by Conduction	Start Number 1
IMEI Write 🔽 🗂	IP Address 10.244.114.62
IMEI Check	
MDL Rework Developer Mode	The mers
IMEI Read	
WLAN USe RFSM Defore WLAN USe Second PC	
Bluetooth Save ODS	Operation Condition
IMEI SVC&Repair	Operation Condition
Option	ОК
rraddata	
منبعمقاله amiraat.com	

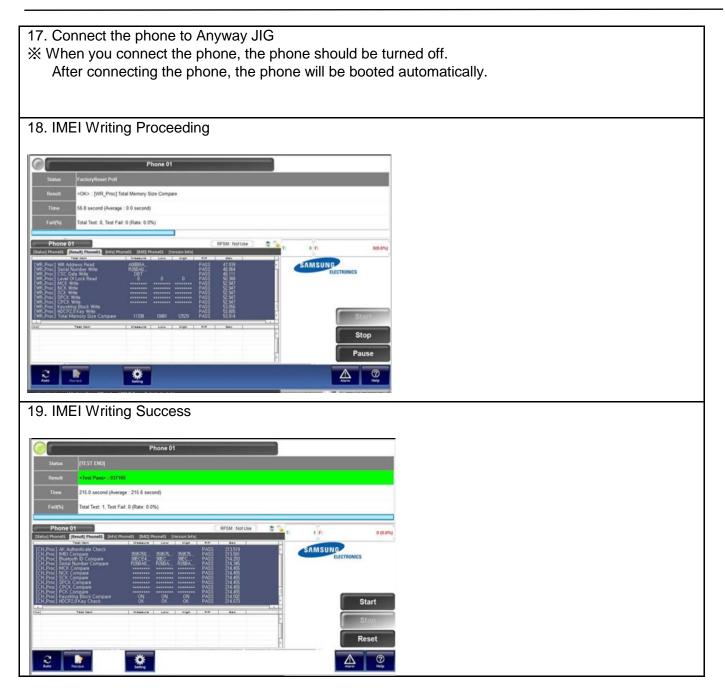
2. Click Model Info and OK when pop-up shows	
Process IMEI Write(M) - IMEI Check(M) Service PGM Ver DASEUL_v3.1.213.0 / IMEI(r00338)	
Phone 01	
Status Press [START ALL] Button!!!	
Result None	
Time 0.0 second (Average : 0.0 second)	
Fail(%) Total Test: 0, Test Fail: 0 (Rate: 0.0%)	
UN : -	
Phone 01	
[Status] Phone01 [Result] Phone01 [Info] Phone01 [IMEI] Phone01 [Version Info] [Fail] All	
MEINum(3rd)	
Lack Setting Code Field	
Network UnLock Key Resot Subset UnLock Key Model SP UnLock Key Model	
SP UnLock Key Master Key Start	
Stop	
Reset	
Auto Recipe Setting Test Item HW Setting Setting(Etc.) Efc Func. Data	
# [One Step] ** [Machine Freq : 100 ms] [DBMS Type : Outside-WebSVC] Level : [01-Error] 🏠 🛃 🦷 R 2016-07-06 16:53:28	
3. Click OK	
About ComponentOne VSFlexGrid8 (Light)	
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	
Contact Us <u>ComponentOne Technical</u>	
This product included in ComponentOne Studio(tm)	
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4. Input SKU_C	DDE and BUYER, then click Save button.
Refer to HHPs	vc→IMEI Review to check SKU Code and buyer
IMEI Writing Items	
CSC	
PDA	
Software2	
LPD	
Contents	
DMB	
SKU_CODE	
BUYER	
Material_Code	
Boot	
Factorii Software	MDL Rework STA Option
FactoryReset+Check F Pre Product	Main Repair Don't DB Upload
Pre Product 2nd Func Test (AT&T)	Sub PBA Repair(Grip)
Lock Write (OQC)	SMD Test NV Write
2nd Check after Pwr Reset	WIFI Addr. Init
Use Fulltest(SW Verification	High Speed Boot Skip S-PEN is not inserted(Seed)
Wait for Reboot in SVC Che	ck 🦳 Recent List Check(OQC&IBI) 🦳 Check IMEI Dupli [RB]
Save	Load Cancel
5. Input IMEI Nu	mber and click Apply
	Phone 01
	атана по стана на селото на се
Status Press [STAI	RT ALL] Button!!!
Result None	
Time 0.0 second	Average : 0.0 second)
Fail(%) Total Test: 0	Test Fail: 0 (Rate: 0.0%)
N:-	
nv	
Phone 01	RFSM : Not Use : 5 1 1: 0 F: 0(0.0%)
	Infol Phone01 [IMEI] Phone01 [Version Info] [Fail] All
MEI Num,	SAMSUNG
IMEI Num(Slave) - - - - - - - - -	ELECTRONICS
MEPersonal Lock	Apply
Lock Setting Code Field	Appy
Network UnLock Key Subset UnLock Key	Reset
SP UnLock Key	Model Start
Master Key	
	Stop
	Reset
Auto Recipe S	nting Test Item HW Setting Setting(Etc.) Etc Func. Data Alarm Heip
(One Step) :: [Machine Freq : 100	ns] [DBMS Type : Outside-WebSVC]

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16. (1) Click Start \rightarrow (2)Input IMEI writing ID and Password & OTP \rightarrow (3)Input Ticket No
BASEUL - GT-N7000 [ID: / Permission-Operator]
Model Model name HW Vor REV0.7A SKU GT-N700025ADBT IDB Serv (HOME(GUMI) CBIT Type Block Cell Model JSWV Ver N700000000.09 ISSC N700007FGKJ7 Birger DBT PC:NO. 1*st PGM Ver DASEUL_V2.2.3673.49 IProcess MEI Write(M) - IMEI Check(M) INFICICIENT (MARK) INFICICIENT (MARK) INFICICIENT (MARK)
Phone 01
Status Press [START ALL] Burton!!! Result None
Time 0.0 second (Average : 0.0 second) Fail(%) Total Test: 0. Test Fail: 0 (Rate: 0.0%)
Phone 01
Estatus Phonobil Bindig Phonobil Bindig Phonobil Phonobil
Lack Setting Code Field Ferrorics 248
SP UnLock Key Master Key Ticket No 22 0
3 Tdatho Stor
OK CANCEL Reset
Auto Rocke Stars
+ IDee Sten] + 1 Machine Fren + IOI no 1 - EDBMS Twee : Outbide Socket1
※ OTP(One time Password) : OTP is valid for 6 hours.
After that, you can get new OTP by click the "Forgotten your IMEI OTP PW or
Crete new IMEI OTP PW" button.
\blacksquare OTP Location : GSPN \rightarrow Knowledge \rightarrow HHP svc \rightarrow Home
HHP svc > HHP svc > HHP svc HDNE HHP svc > HHP svc > HHP svc + HDNE DRM Client Download (for NASCA ActiveX / for NASCA 32Bit OS / for NASCA 64Bit
HOME OS / for Non-NASCA 32/64Bit OS) IMELOTP PASSWORD : Not available
Forgotten your IMEI OTP PW or Create new IMEI OTP PW
웹 페이지의 메시지 22
NEW IMEI OTP PASSWORD : SLD12HBJ
확인





6-3. RF Calibration

6-3-1. Required items in order to calibrate RF

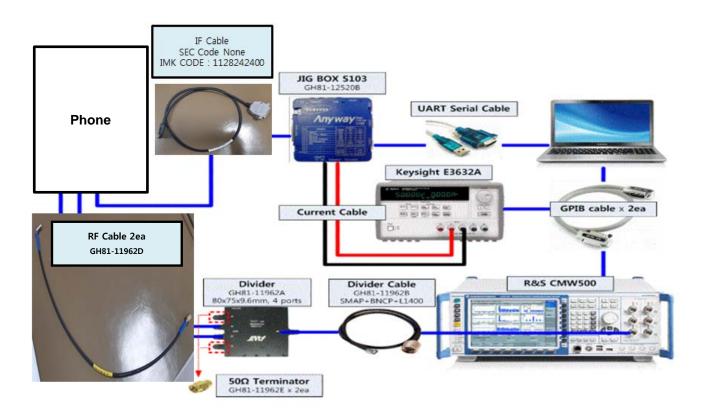
- Installation program: RF Calibration Program
- Daseul_Launcher_vx.x.xx.exe
- Daseul_CAL_ALL_Runtime_x.x.xxx.x.CAB
- Model File
- : Model Name_OPEN_CALIBRATION_Ver_3.1.316.6.CAB
- ***** It is required to use the latest program.
- Mobile Phone
- R&S CMW500
- E3632A Power Supply
- GPIB Cable (2ea)
- JIG BOX (S103)
- Adapter
- UART Serial Cable
- Adapter
- IF Cable (GH81-11962W)

• Table of test cables

IF Cable	GH81-10631A	GH81-11962W	GH81-11171A	
IF Cable	11 pin	7 pin (New)	7 pin (Old)	
	GH81-11962D	GH81-11962D	GH81-11962C	GH81-11962F
RF Cable (Manual)	1.35T, LONG	1.35T, short (2EA)	1.6T, Short	1.6T, Long BNCP
	GH81-11962A	GH81-11962B	GH81-11962E	
4 Port Divider	Use	Divider Cable	50Ω terminator (2EA)	

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Setting





6-3-2. RF Calibration Program

1. Run the RF Calibration Program Launcher, 'DASEUL_Launcher_vx.x.xx.exe'.

BM-N950F_OPEN_CALIBRATION_Ver_3.1.316.6 DASEUL_Launcher_v4.0.0

DASEUL_CAL_ALL_Runtime_3.1.316.0_r00538

2. Check the 'Calibration' option and Click 'Extract & Run'.

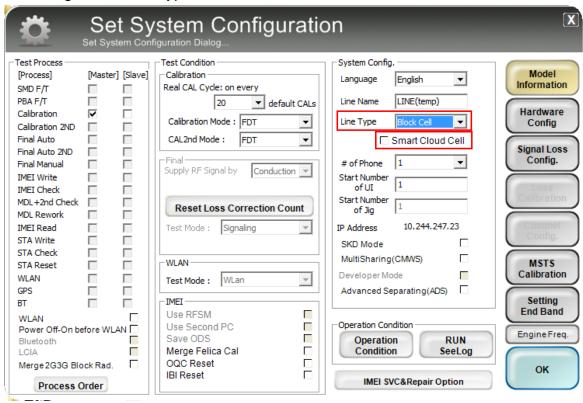
No.	Processing	Status
1	::: Start Normal Mode :::	Complete
I RI		CAB BRATION_Ver_3.1.316.6.CA
C	AL 2nd	



3. Check the 'CAL' and open the model file, then select 'Start' button. [SM-N950F]

E DASEUL Launcher+				Ver 1.0.1.5(2015-12-14)	-
File Window Mode	Setting	_	_	_	
Main Tree 🛛 👻 🕂 🗙	Model	SVII		Puntimo Vor	
Select Sequence	H/W Ver	🛃 Select	Sequence File	s & Login	_
System Configuration	S/W Ver	Select sequence	e files & the resolution. Chang	ge the permission, Joi	in, etc
i Model Information	Select Sequence	ect The Sequence File			
HW Hardware Configuration	Sequence	Deploy Path : C:\UDIST	#DASEUL		
CAL Signal Loss Configuration					•
Loss Calibration	5	CAL			▼
Channel Configuration	· 열기	CAL2nd			
MSTS Calibration	·····································	치(l): 🚺 Model name	CALIBRATION_Ver_3, 1, 316,	← 🗈 💣 🎟▼	
B A N D Setting End Band					유형
Engine Frequency	최근 위	🙀 Model name	CALIBRATION_Ver_3.1.316.6.se		ALZip ENC File
- B Main			3		
Test Information	Deploy Path 바탕 화당	<u>1</u>	3		
	C:\UDIST\UDIST\UDIST	-			
- Malysis	201 브러				-
Daseul Log	컴퓨터				
	네트워크	•	III		4,
		파일 이름(<u>N</u>):	Model name I_CALIBRATION.	.Ver_3, 1, 316, 6 💌	열기(<u>0</u>)
		파일 형식(<u>T</u>):	Sequence Files (*,seq,enc)		취소
· · · · · · · · · · · · · · · · · · ·					

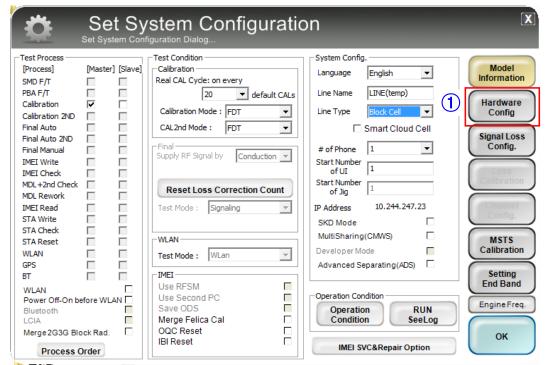


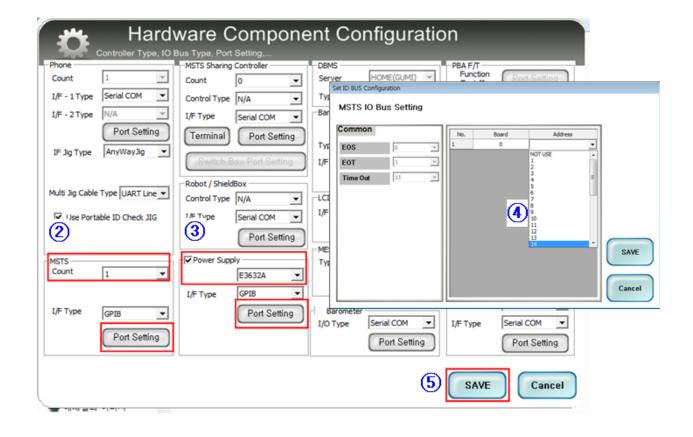


4. Change the Line Type to 'Block Cell' and disable 'Smart Cloud Cell'.

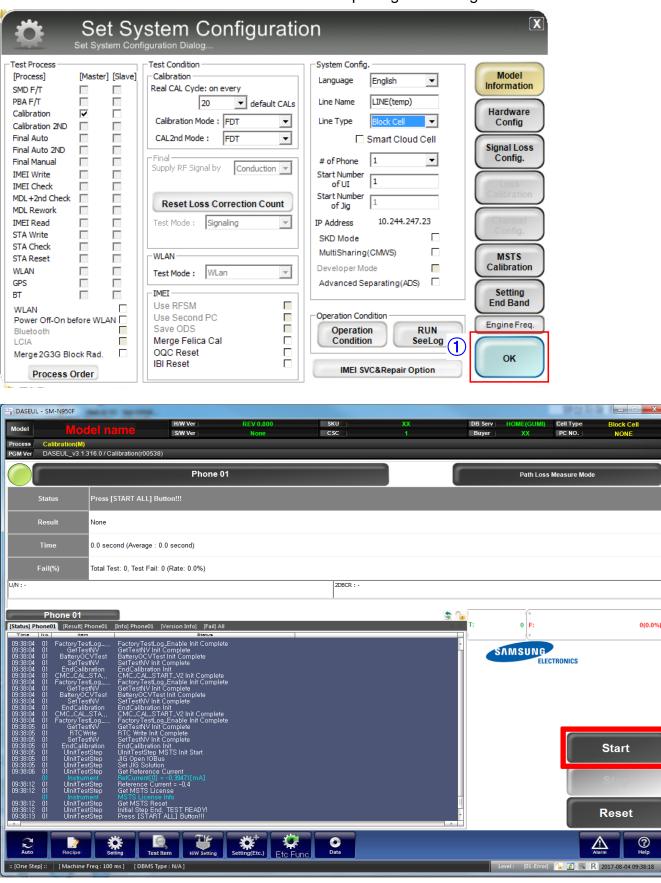


5. Set the GPIB address of MSTS(CMW500) and Power Supply(E3632A) to enter 'Hardware Config' and 'Save'. (Check the GPIB address of equipments in advance)





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6. Press 'OK' to start RF Calibration after completing all settings.

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