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

ltem		GSM 850	EGSM 900	DCS1800	PCS1900
Freq. Ba	and[MHz]	824~849	880~915	1710~1785	1850~1910
Uplink/E	Downlink	869~894	925~960	1805~1880	1930~1990
ARFCN	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/	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



Confidential and proprietary-the contents in this service guide subject to change without prior notice

2-3. WCDMA General Specification [SM-A405FN/FM]

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



2-4. LTE General Specification

Item	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 DL:0~599	UL:19200~19949 DL:1200~1949	UL:20400~20649 DL:2400~2649	UL:20750~21449 DL:2750~3449	UL:21450-21799 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

Confidential and proprietary-the contents in this service guide subject to change without prior notice

3. Product Function

Main Function

Item	Description
OS	Android P OS V9.0
RF	GSM850 / GSM900 / DCS1800 / PCS1900 WCDMA: B1/ B2/ B5/ B8 LTE: (FDD) B1/ B3/ B5/ B7/ B8/ B20 (TDD) B38/ B40/ B41
Battery	3,1000 mAh
Base Band	Octa core (1.8GHz / 1.6Ghz)
Other RF	GPS, Glonass, Beidou, Galileo, BT5.0, USB 2.0, WIFI 802.11 a/b/g/n/ac 2.4G+5GHz, FM Radio, NFC, MST (SM-A405FM/DS only supports MST, SM-A405FN/DS doesn't support MST)
Camera	Rear : 16.0MP+ 5MP, Front : 25.0MP
LCD	5.9" On-Cell Touch AMOLED, 2340 x 1080 (FHD+)
RAM	4GB
Storage	64GB
Sensor	Accelerometer, Fingerprint Sensor, Gyro Sensor, Gemagnetic Sensor Hall Sensor, Light 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)

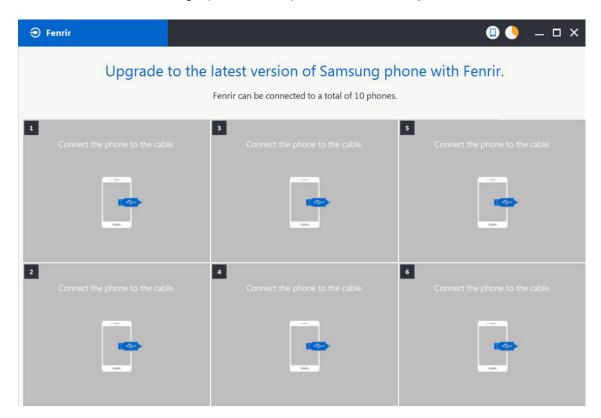
2) Input ID & password

* 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 🛛 🔸 💶 ×			
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.			

Confidential and proprietary-the contents in this service guide subject to change without prior notice

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 latest version of Samsung phone with Fenrir. 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 phone with Fenrir. Fenrir can be connected to a total of 10 phones.					
1 Upgrade finished, Disconnect phone. D1222165552ygx 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.			

Confidential and proprietary-the contents in this service guide subject to change without prior notice

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/



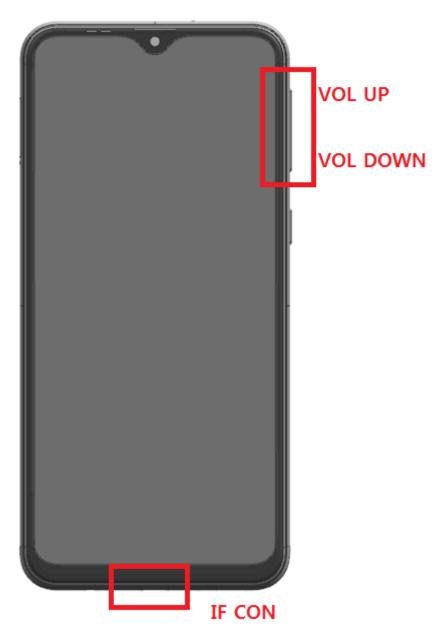
- 1. Enable the check mark by click on the following options
- Check Auto Reboot, F. Reset Time, Nand Erase
- Check BL, AP, CP, CSC Files
- * Note : "Odin v3.13.2 or above" checks MD5 checksum just after file selection.

😝 Odin3 v3.13	
Odin3	
Log Options Pit Auto Reboot Auto Reboot Auto Reset Re-Partition F. Reset Time DeviceInfo Flash Lock	Tips - How to download HOME binary OLD model : Download one binary "(BUILD_VER)_XXX_HOME.tar.md5" ex) G925FXXU3DPA5_G925FXXU3DPA5_G925FXXU3DPA5_G925FXXU3DPA5_G925FXXU3DPA5_G925FXXU3DPA5_G925FXXU3DPA5_G925FXXU3DPA5_G925FXXU3DPA5_G925FXXU3DPA5_HOME.tar.md5 Image: With the state of the
AutoStart - Reboot download if possible	Mass D/L ► Start Reset Exit
Odin Community : <u>http://mobilerndhub.sec.samsung.net/hub/site/od</u>	din/



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.



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 v3.13			
Odin3			
PASS!			
D:COM			
Log Options Pit	Tips -		wnload one binary "(BUILD_VER)_XXX_HOME.tar.md5"
<id:0 003=""> system.img <id:0 003=""> vendor.img <id:0 003=""> dqmdbg.img</id:0></id:0></id:0>			XXU3DPA5_G925FOXA3DPA5_G925FXXU3DPA5_HOME.tar.md5 wnload BL + AP + CP + HOME_CSC
<id:0 003=""> userdata.img <id:0 003=""> modem.bin <id:0 003=""> Transmission Complete <id:0 003=""> Now Writing Please wait about 2 minutes</id:0></id:0></id:0></id:0>		BL	3960FXXU1ARB7_CL13087450_QB17004700_REV01_user_low_ship.tar.md5
<id:0 003=""> Receive Response from boot-loader <id:0 003=""> modem_debug.bin</id:0></id:0>	V	AP	XXU1ARB7_CL13087450_QB17004700_REV01_user_low_ship_meta.tar.md5
<id:0 003=""> Transmission Complete <id:0 003=""> Now Writing Please wait about 2 minutes <id:0 003=""> Receive Response from boot-loader</id:0></id:0></id:0>	V	СР	/HUILH2I₩CP_G960FXXU1ARB7_CL717541_Q88985489_SIGNED.tar.md5
<id:0 003=""> cache.img <id:0 003=""> omr.img</id:0></id:0>		CSC	960FOXM1ARB7_CL13087450_QB17004700_REV01_user_low_ship.tar.md5
<pre><id:0 003=""> odm.img <id:0 003=""> hidden.img <id:0 003=""> RQT_CLOSE !!</id:0></id:0></id:0></pre>		USERDATA	
<pre><id:0 003=""> RES OK !! <id:0 003=""> Remain Port 0 <id:0 003=""> Removed!!</id:0></id:0></id:0></pre>			Mass D/L 🕨
<osm> All threads completed. (succeed 1 / failed 0)</osm>			Start Reset Exit
L Odin Community : <u>http://mobilerndhub.sec.samsung.net/hub/site/</u>	odin/		

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.

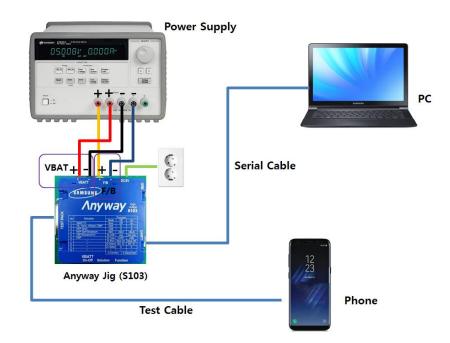


6-3. IMEI writing

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

Confidential and proprietary-the contents in this service guide subject to change without prior notice

6-3-2. IMEI writing Process

ASEUL_SVC_Launche	_auncher_v3.0.12.exe vr_v3.0.12.exe	
2. Select Service Mode		
A DASEUL Launcher for Service Ver 3.0.10	EZ	
< Launcher Status >	MODE : Service -	
No. Processing 1 ::: Start Normal Mode for Service :::	Status Complete	
Select Extract Process		
Runtime SMD F/T PBA F/T Calibration CAL 2nd Final 2nd Final 2nd IME1 WLAN GPS B T 3. Click and Select DASEUL Launcher for Service Ver 3.0.10	folder where the Launcher exists	
< Launcher Status >	MODE : Service	
No. Processing 1 ::: Start Normal Mode for Service :::	Status Complete	
풀더 찾아보기 Select Model Path		

Confidential and proprietary-the contents in this service guide subject to change without prior notice

nrcher Status > MODE : Service Processing Status	
Processing Status	
ct Extract Process	
MODEL] Model Name	
Runtime	
MD F/T	
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	
1 Kil Program Complete 2 Create DASEUL Directory Complete 3 Extracting DASEUL_Runtime_Ver_3.1.126.2.CAB File Complete 4 Extracting DASEUL_IMEI_ALL_Component_r00161 ing	
1 Kil Program Complete 2 Create DASEUL Directory Complete 3 Extracting DASEUL_Runtime_Ver_3.1.126.2.CAB File Complete 4 Extracting DASEUL_IMET_ALL_Component_r00161 ing elect Extract Process	
1 Kil Program Complete 2 Greate DASEUL Directory Complete 3 Extracting DASEUL_Runtime_Ver_3.1.126.2.CAB File Complete 4 Extracting DASEUL_IMET_ALL_Component_r00161 ing elect: Extract Process	
1 Kil Program Complete 2 Create DASEUL Directory Complete 3 Extracting DASEUL_Runtime_Ver_3.1.126.2.CAB File Complete 4 Extracting DASEUL_IMET_ALL_Component_r00161 ing elect Extract Process	
1 Kil Program Complete 2 Create DASEUL Directory Complete 3 Extracting DASEUL_Runtime_Ver_3.1.126.2.CAB File Complete 4 Extracting DASEUL_IMEL_ALL_Component_r00161 ing elect: Extract Process	
1 Kil Program Complete 2 Create DASEUL Directory Complete 3 Extracting DASEUL_Runtime_Ver_3.1.126.2.CAB File Complete 4 Extracting DASEUL_IMEL_ALL_Component_r00161 ing elect: Extract Process	
1 Kil Program Complete 2 Create DASEUL Directory Complete 3 Extracting DASEUL_Runtime_Ver_3.1.126.2.CAB File Complete 4 Extracting DASEUL_IMEI_ALL_Component_r00161 ing elect: Extract Process	
1 Kil Program Complete 2 Create DASEUL Directory Complete 3 Extracting DASEUL_Runtme_Ver_3.1.126.2.CAB File Complete 4 Extracting DASEUL_IMEI_ALL_Component_r00161 ing elect: Extract Process	
1 Kil Program Complete 2 Create DASEUL Directory Complete 3 Extracting DASEUL_Runtime_Ver_3.1.126.2.CAB File Complete 4 Extracting DASEUL_IMEI_ALL_Component_r00161 ing elect: Extract Process	
1 Kil Program Complete 2 Create DASEUL Directory Complete 3 Extracting DASEUL_Runtime_Ver_3.1.126.2.CAB File Complete 4 Extracting DASEUL_IMET_ALL_Component_r00161 ing elect Extract Process	
1 Kil Program Complete 2 Create DASEUL_Directory Complete 3 Extracting DASEUL_Runtime_Ver_3.1.126.2.CAB File Complete 4 Extracting DASEUL_IMET_ALL_Component_r00161 ing elect Extract Process	
1 Kil Program Complete 2 Create DASEUL_Directory Complete 3 Extracting DASEUL_Runtime_Ver_3.1.126.2.CAB File Complete 4 Extracting DASEUL_IMET_ALL_Component_r00161 ing elect Extract Process	
Kil Program Complete Create DASEUL Directory Complete Battracting DASEUL_Runtime_Ver_3.1.126.2.CAB File Complete Extracting DASEUL_IMEL_ALL_Component_r00161 ing Iext Extract Process Image: System Setting [MODEL] Model Name Image: System Setting Runtime DASEUL_Runtime_Ver_3.1.126.2.CAB System Setting Runtime DASEUL_Runtime_Ver_3.1.126.2.CAB Image: System Setting Runtime DASEUL_Runtime_Ver_3.1.126.2.CAB Image: System Setting Runtime DASEUL_Runtime_Ver_3.1.126.2.CAB Image: System Setting Image: System Setting Image: System Setting Image: System Setting Runtime DASEUL_Runtime_Ver_3.1.126.2.CAB Image: System Setting Image: System Setting Image: System Setting Image: System Setting Runtime DASEUL_Runtime_Ver_3.1.126.2.CAB Image: System Setting Image: System Setting Image: System Setting Image: System Setting Image: System Setting Image: System Setting Image: System Setting Image: System Setting Image: System Setting Image: System Setting Image: System Setting Image: Syste	

Confidential and proprietary-the contents in this service guide subject to change without prior notice

6. Check IMEI Write / IMEI C	heck and click IMEI S	VC & Repair Option.	
🗯 Set Syste	m Configuratio	n 🗵	
Set System Configuratio			
Test Process [Process] [Master] [Slave] Calibo	ondition	System Config.	
SMD F/T Real C	AL Cycle: on every	Line Name LINE(temp)	
Calibration	ration Mode : FDT	Line Type 1Person Cell V Hardware Config	
Final Auto	2nd Mode : FDT	Smart Cloud Cell	
Final Auto 2ND	y RF Signal by Conduction	# of Phone 1 Signal Loss Config.	
IMEI Write 🔽 🗆		Start Number 1	
MDI +2nd Check C	eset Loss Correction Count	Start Number 1	
IMEI Read 🔲 🔲 Test	Mode : Signaling	IP Address 10.244.246.156	
STA Check		SKD Mode MultiSharing(CMWS)	
STA Reset WLAN VILAN VILAN VILAN VILAN VILAN VILAN	Mode: WLan 👻	Developer Mode	
GPS I IIII		Advanced Separating (ADS)	
VYLAN	RFSM C	Operation Condition	
Bluetooth Save	e ODS 🗌	Operation RUN Condition SeeLog	
Merge 2G3G Block Rad.	Reset	ОК	
Process Order		2 IMEI SVC&Repair Option	
7. Check 'SVC , User Ticket	No' and click OK		
IMELSVC 9.9. Papair Option		X	
IMEI SVC && Repair Option			
FTR N/A 💌	Rework N/A	V Korean SVC Write	
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	

Confidential and proprietary-the contents in this service guide subject to change without prior notice

Set System Con	figuration Dialog			, U
est Process	Test Condition	System Config.		
Process] [Master] [Slave]	Calibration Real CAL Cycle: on every	Language English	• Ini	Model
MDF/T 🗆	20 default C	Line Name LINE(temp)		Ionnauon
	20 en aucio			ardware
alibration		Line Type Block Cell	_	Config
inal Auto 🔲 🗖	Calibration Mode : Dynamic	# of Phone 1	• >	$ \longrightarrow $
inal Manual 🔲 🗖	- Final		1.55	mailoss
MEI Process	Supply RF Signal by Conduction	Start Number of Jig		Config.
MEI Write 🔽 🗌			ē	
MEI Check 🔽 🗖		IP Address 10.244.11	4.62	Config.
IDL+2nd Check 🕅 🛛 🕅	Test Signal Mode : Signaling		C	
DL Rework 🔲 🔲	Developer Mode		G	MCT C
IEI Read				libration
	-IMEI		7	\equiv
VLAN 🗾				Setting.
Power Off-On before WLAN 📃	The second se			nd Band
Bluetooth	Save ODS	Operation Condition		
	IMEI	Operation	-	
	SVC&Repair Option	Condition		ок
	Copinent			UN
_		nt Configuratio	on),
	Ware Componel Bus Type, Port Settling,).
Controller Type, IO	ware Compone	nt Configuratio	PBA F/T).
Controller Type, IO	Ware Compones Bus Type, Port Setting MSTS Sharing Controller Count	DBMS	PBA F/T Function Test JIg	t Setting
Controller Type, IO hone count 1 1 /F - 1 Type Serial COM 1	Ware Componer Bus Type, Port Setting, MSTS Sharing Controller Count 0	DBMS Server HOME(GUMI) <u>v</u>	PBA F/T Function Test JIg	t Setting
F - 2 Type	Ware Compones Bus Type, Port Setting MSTS Sharing Controller Count	DBMS Server HOME(GUMI) <u>v</u> Type Outside-Socket <u>v</u>	PBA F/T Function Test JIg NI-DAQ	t Setting
Controller Type, IO Controller Type, IO	Ware Componer Bus Type, Port Setting, MSTS Sharing Controller Count 0	DBMS Server HOME(GUMI) Type Outside-Socket Barcode Reader	PBA F/T Function Test JIg NI-DAQ Power Detector	
Controller Type, IO Controller Type, IO	Mare Compones Sus Type, Port Setting MSTS Sharing Controller Count 0	DBMS Server HOME(GUMI) ¥ Type Outside-Socket ¥ Barcode Reader	PBA F/T Function Test JIg NI-DAQ Power Detector	t Setting
Antone Controller Type, IO hone Count 1 /F - 1 Type Senal COM • /F - 2 Type N/A •	Mare Componer Bus Type, Port Setting, MSTS Sharing Controller Count 0	DBMS Server HOME(GUMI) ¥ Type Outside-Socket ¥ Barcode Reader Type N/A ¥ I/F Type Serial COM ¥	PBA F/T Function Test JIg NI-DAQ Power Detector	t Setting
Hardy Controller Type, IO Controller Type, IO Controller Type, IO I I ▼ F - 1 Type Senal COM ▼ F - 2 Type N/A ▼ Port Setting F Jig Type AnyWayJig ▼	Mare Compones Sus Type, Port Setting MSTS Sharing Controller Count 0	DBMS Server HOME(GUMI) ¥ Type Outside-Socket ¥ Barcode Reader	PBA F/T Function Test JIg NI-DAQ Power Detector	t Setting
F Jig Type AnyWayJig	Ware Componed Bus Type, Port Setting, MSTS Sharing Controller Count 0 v Control Type N/A v I/F Type Serial COM v Control Type N/A v I/F Type Serial COM v	DBMS Server HOME(GUMI) ¥ Type Outside-Socket ¥ Barcode Reader Type N/A ¥ I/F Type Serial COM ¥	PBA F/T Function Test JIg NI-DAQ Power Detector	t Setting
Hard Controller Type, IO Controller Type, IO Controller Type, IO I ▼ F - 1 Type F - 2 Type F Jig Type AnyWayJig ▼	Mare Compones Sus Type, Port Setting MSTS Sharing Controller Count 0	DBMS Server HOME(GUMI) ¥ Type Outside-Socket ¥ Barcode Reader Type N/A ¥ I/F Type Serial COM ¥	PBA F/T Function Test JIg NI-DAQ Power Detector HDMI JIG SMD F/T	t Setting
Hard Controller Type, IO Controller Type, IO Controller Type, IO F 1 Type F - 2 Type F - 2 Type F Jig Type AnyWayJig	Ware Componed Bus Type, Port Setting, MSTS Sharing Controller Count 0 v Control Type N/A v I/F Type Serial COM v Control Type N/A v I/F Type Serial COM v	DBMS Server HOME(GUMI) Type Outside-Sockel Barcode Reader Type N/A I/F Type Serial COM Port Setting	PBA F/T Function Test JIg NI-DAQ Power Detector HDMI JIG	t Setting
Hard Controller Type, IO Tone fount I VIC F - 1 Type F - 2 Type N/A Port Setting F Jig Type Use ID Check JIG STS	Ware Componel Bus Type, Port Setting MSTS Sharing Controller Count O Control Type N/A I/F Type Serial COM Terminal Port Setting I/F Type Robot / ShieldBox Control Type I/F Type Serial COM I/F Type Serial COM Port Setting	DBMS Server HOME(GUMI) Type Outside-Socket Barcode Reader Type N/A I/F Type Serial COM Port Setting MES PN Sender Type N/A	PBA F/T Function Test JIg NI-DAQ Power Detector HDMI JIG SMD F/T	t Setting t Setting t Setting
Hard Controller Type, IO Controller Type, IO Controller Type, IO F - 1 Type F - 1 Type F - 2 Type F	Nare Componel Bus Type, Port Setting, MSTS Sharing Controller Count 0 Control Type N/A I/F Type Serial COM Robot / ShieldBox Control Type Control Type N/A I/F Type Serial COM Control Type N/A I/F Type Serial COM Port Setting Port Setting	DBMS Server HOME(GUMI) Type Outside-Socket Barcode Reader Type N/A I/F Type Serial COM Port Setting MES PN Sender	PBA F/T Function Test JIg NI-DAQ Power Detector HDMI JIG SMD F/T Type N/A B'd Address 5	t Setting t Setting t Setting
Hard Controller Type, IO Controller Type, IO Controller Type, IO F 1 Type F 1 Type F 2 Type F 3g Type AnyWay3ig Use ID Check JIG STS Count 0	Ware Componed Bus Type, Port Setting, MSTS Sharing Controller Count Control Type N/A I/F Type Serial COM Terminal Port Setting Robot / ShieldBox Control Type I/F Type Serial COM I/F Type Serial COM Port Setting	DBMS Server HOME(GUMI) Type Outside-Socket Barcode Reader Type N/A I/F Type Serial COM Port Setting MES PN Sender Type N/A	PBA F/T Function Test JIg NI-DAQ Power Detector HDMI JIG SMD F/T Type N/A B'd Address 5	t Setting t Setting
Hard Controller Type, IO hone Count 1 F - 1 Type Serial COM /F - 2 Type N/A Port Setting IF Jig Type AnyWayJig Use ID Check JIG STS Count 0 /F Type GPIB	Nare Componel Bus Type, Port Setting, MSTS Sharing Controller Count 0 Control Type N/A I/F Type Serial COM Robot / ShieldBox Control Type Control Type N/A I/F Type Serial COM Robot / ShieldBox Control Type Control Type N/A I/F Type Serial COM Port Setting Port Setting	DBMS Server HOME(GUMI) Type Outside-Socket Barcode Reader Type N/A I/F Type Serial COM Port Setting MES PN Sender Type N/A	PBA F/T Function Test JIg NI-DAQ Power Detector HDMI JIG SMD F/T Type N/A B'd Address 5	t Setting t Setting t Setting
Hard Controller Type, IO hone Count 1 /F - 1 Type Serial COM • /F - 2 Type N/A /F - 2	Ware Componed Bus Type, Port Setting, MSTS Sharing Controller Count Control Type N/A I/F Type Serial COM Terminal Port Setting Robot / ShieldBox Control Type I/F Type Serial COM I/F Type Serial COM Port Setting	DBMS Server HOME(GUMI) Type Outside-Socket Barcode Reader Type N/A I/F Type Serial COM Port Setting MES PN Sender Type N/A	PBA F/T Function Test JIg NI-DAQ Power Detector HDMI JIG SMD F/T Type N/A B'd Address 5	t Setting t Setting t Setting
Hard Controller Type, IO hone Count 1 /F - 1 Type Serial COM /F - 2 Type N/A Port Setting IF Jig Type AnyWayJig Use ID Check JIG STS Count 0 /F Type GPIB	Ware Componed Bus Type, Port Setting, MSTS Sharing Controller Count Control Type N/A I/F Type Serial COM Terminal Port Setting Robot / ShieldBox Control Type I/F Type Serial COM I/F Type Serial COM Port Setting	DBMS Server HOME(GUMI) Type Outside-Socket Barcode Reader Type N/A I/F Type Serial COM Port Setting MES PN Sender Type N/A	PBA F/T Function Test JIg NI-DAQ Power Detector HDMI JIG SMD F/T Type N/A B'd Address 5	t Setting t Setting t Setting
Hard Controller Type, IO hone Count 1 /F - 1 Type Serial COM /F - 2 Type N/A Port Setting IF Jig Type AnyWayJig Use ID Check JIG STS Count 0 /F Type GPIB	Ware Componed Bus Type, Port Setting, MSTS Sharing Controller Count Control Type N/A I/F Type Serial COM Terminal Port Setting Robot / ShieldBox Control Type I/F Type Serial COM I/F Type Serial COM Port Setting	DBMS Server HOME(GUMI) Type Outside-Socket Barcode Reader Type N/A I/F Type Serial COM Port Setting MES PN Sender Type N/A	PBA F/T Function Test JIg NI-DAQ Power Detector HDMI JIG SMD F/T Type N/A B'd Address 5	t Setting t Setting t Setting
Hard Controller Type, IO hone Count 1 F - 1 Type Serial COM /F - 2 Type N/A Port Setting IF Jig Type AnyWayJig Use ID Check JIG STS Count 0 /F Type GPIB	Ware Componed Bus Type, Port Setting, MSTS Sharing Controller Count Control Type N/A I/F Type Serial COM Terminal Port Setting Robot / ShieldBox Control Type I/F Type Serial COM I/F Type Serial COM Port Setting	DBMS Server HOME(GUMI) Type Outside-Socket Barcode Reader Type N/A I/F Type Serial COM Port Setting MES PN Sender Type N/A	PBA F/T Function Test JIg NI-DAQ Power Detector HDMI JIG SMD F/T Type N/A B'd Address 5	t Setting t Setting t Setting

Confidential and proprietary-the contents in this service guide subject to change without prior notice

Common		No		Port #1		
BaudRate	11520			Port = I		
Data Bit	8					
Parity	No	V				
Stop Bit	1					
					SAVE	
	-					
Set Process [Ma smD F/T [28A F/T [28Ibration [inal Auto [inal Manual [Set System Con ster] [Slave]	/stem Config iguration Dialog Test Condition Calibration Real CAL Cycle: on every 20 Calibration Mode : Dynamic Calibration Mode : Dynamic	Jefault CALs Line to y turtion	em Config. guage English v Name LINE(temp) Type Block Cell v FPhone 1 v t Number 1	Model Information Hardware Config	
Set rest Process [Process] [Max F/T PBA F/T Calibration Final Auto Final Manual IMEI Process IMEI Write IMEI Check IMEI Check IMEI Check	Set System Con	/stem Config iguration Dialog Test Condition Calibration Real CAL Cycle: on every 20 Calibration Mode : Dynamic Calibration Mode : Dynamic	default CALs Line c Y duction Y IP Au	guage English IName LINE(temp) Type Block Cell fPhone 1 tNumber	Model Information Hardware	
SMD F/T [Frocess] [Ma SMD F/T [PRA F/T [Calibration [Final Auto [Final Auto [Final Manual [IMEI Process IMEI Write [IMEI Check [MDL+2nd Check [Set S System Con	/stem Config iguration Dialog Calibration Real CAL Cycle: on every 20 Calibration Mode : Dynamic Calibration Mode : Dynamic Supply RF Signal by Conc Test Signal Mode : Signalin	default CALs Line to g duction v	guage English Name LINE(temp) :Type Block Cell f Phone 1 t Number 1	Model Information Hardware	

منبع مقاله tamiraat.com

Confidential and proprietary-the contents in this service guide subject to change without prior notice

12. Click Model Info and OK when pop-up shows	
Process IME1Write(M) - IME1Check(M) Service PGM Ver DASEUL_v3.1213.0 / IME1(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 [Version Info] [Fail] All	
MEL NUM(Slave) SN Num ELECTRONICS	
IMEI Num(3rd)	
Lock Setting Apply Code Field	
Network UnLock Key Subset UnLock Key SP UnLock Key SP UnLock Key Start	
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] 💽 💽 🖪 2016-07-06 16:53:28	
13. Click OK	
About ComponentOne VSFlexGrid8 (Light)	
Component	
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	
Contact Us <u>ComponentOne Technical</u>	
This product included in ComponentOne Studio(tm)	
Copyright © 2001, 2010 ComponentOne LLC, All rights reserved,	

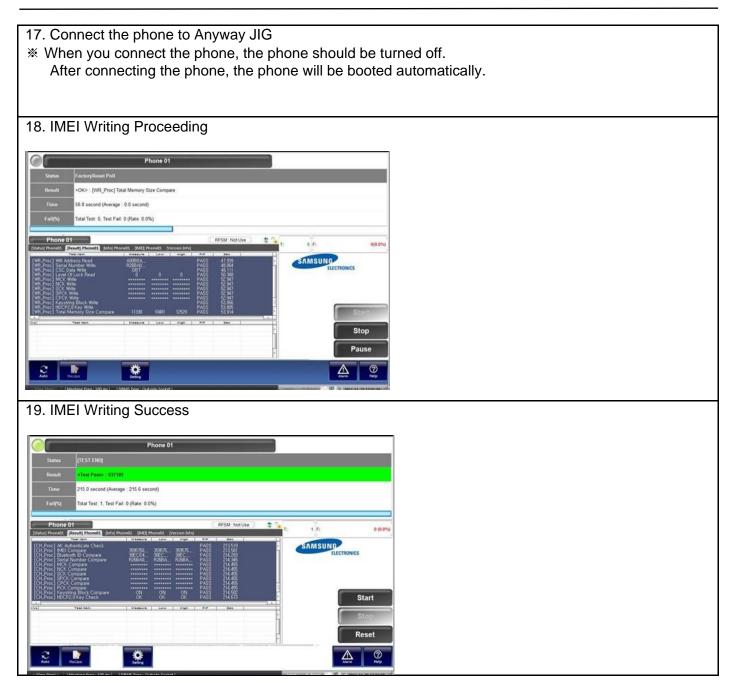
Confidential and proprietary-the contents in this service guide subject to change without prior notice

Input SKU_CODE and BUYER, then click Save button.	
※ Refer to HHPsvc→IMEI Review to check SKU Code and buyer	
· · · · · · · · · · · · · · · · · · ·	
IMEL Writing Items	
IMEI Writing Items	
CSC	
PDA	
Software2	
LPD	
Contents DMB	
SKU_CODE	
BUYER	
Material_Code	
Boot	
Factory Software	
FactoryReset+Check Mol Rework Sta Option	
□ Pre Product □ 2nd Func Test (AT&T) □ Sub PBA Repair(Grip) □ Packing Rework	
Lock Write (OQC)	
2nd Check after Pwr Reset	
Use Fulltest(SW Verification) High Speed Boot Skip S-PEN is not inserted(Seed)	
Wait for Reboot in SVC Check Recent List Check(OQC&IBI) Check IMEI Dupli [RB]	
Save Load Cancel	
15. Input IMEI Number and click Apply	
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	0(0.0%)
Istatus Phone01 [Result Phone01 [Info] Phone01 [IME] Phone01 [Version Info] [Fail] All	
IMEI Num(3rd)	
E MEPersonal Lock Lock Setting	
Code Field Network UnLock Key Reset	
Subset UnLock Key	
SP UnLock Key Model Naster Key St	art
s s s	top
Re	set
Constraint Constra	() Help
:: [One Step] :: [Machine Freq : 100 ms] [DBMS Type : Outside-WebSVC] Level : [01-Error] 2018 R 2016-07	

Confidential and proprietary-the contents in this service guide subject to change without prior notice

16. (1) Click Start \rightarrow (2)Input IMEI writing ID and Password & OTP \rightarrow (3)Input Ticket No
ASEUL - GT-AV700 [IR: / Permission: Operator]
Model Name HWVer REV0.7A SKU GT-N7000/2BADBT 0B Serv HOME(GUM) Cell Type Block Cell SW Ver N7000/UBKJ9 CSC N70001F6KJ7 Beyer DBT PC NO. 1'st
PGM Veri DASEUL_v2.2.3673.49 Process MEI Write(M) - IMEI Check(M)
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%)
SVC Login [23]
Phone 01 USER ID T: 0 F: 0(0.0%)
IME INUM. 359575 - [04 - [37:05] 4 2 PASSWORD
Lack Selling ELECTRONICS
Network UnLack Key 28 Subset UnLack Key
SF UnLock Key State No State N
① Start
3 Tolet No Stop
OK CANCE. Reset
Auro Rocke Segre
- Cher Streit - 1 Marthing Fren-100 wc1 - CDBMS Type - Outside Socket 1
CTD(One time Decoursed) CTD is see lid for 6 hours
※ 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.
creacine winter off f w button.
\blacksquare OTP Location : GSPN \rightarrow Knowledge \rightarrow HHP svc \rightarrow Home
o II Zoomaali osiin haanaage haa oo haana
B H-P svc > HHP svc HOME
HHP svc 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 IMELOTP PW or Create new IMELOTP PW
웹 페이지의 메시지 33
NEW IMEI OTP PASSWORD : SLD12HBJ
확인
منبع مقاله tamiraat.com

Confidential and proprietary-the contents in this service guide subject to change without prior notice





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

