
6. Level 1 Repair

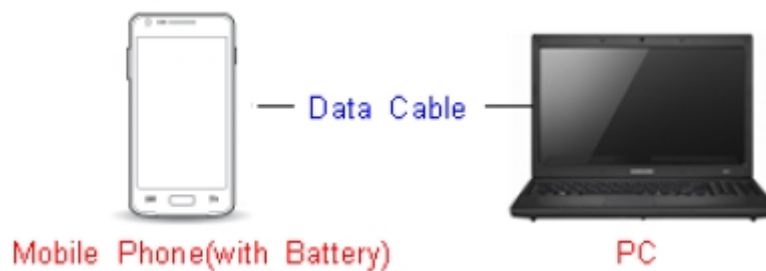
6-1. S/W Update

6-1-1. Preparation

S/W Update program: **Fenrir 5.17.xxxx**

- ☐ Mobile Phone
- ☐ Data Cable
- ☐

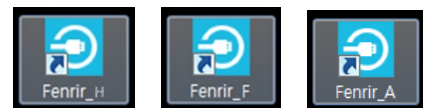
※ **Settings**



Data Cable(B type) : [GH39-01710D](#)
Data Cable(C type) : [GH39-02003A](#)

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

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

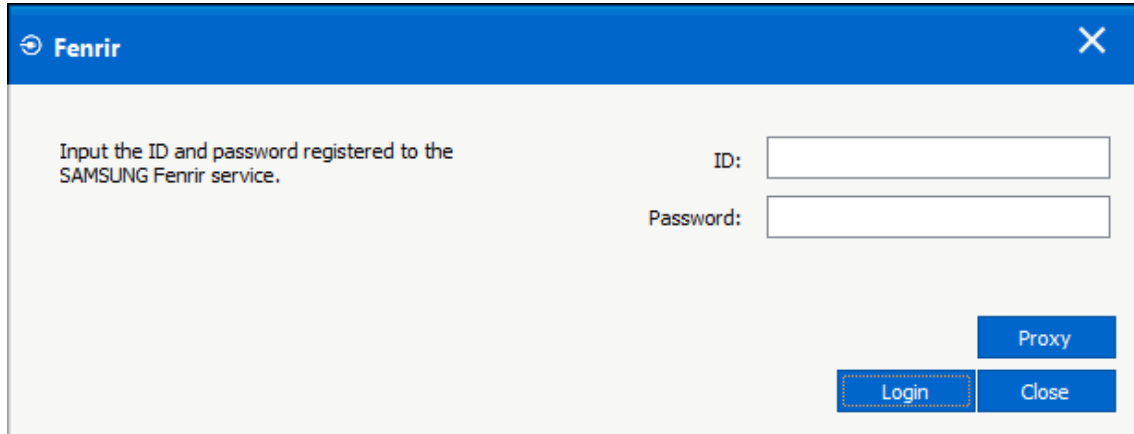


- SVH (Fenrir_Home) : It uses Home binary which does not have user data area in the memory when flashed to a device. (Keep user data)
- SVC (Fenrir_Factory) : It uses Factory binary which erases all user data in the memory when flashed to a device. (Clear user data)
- SVA (Fenrir_All) : It uses Factory and Home binaries. you can download Home and Factory binary in a PC(but requires double HDD storage and NW traffic)

6. Level 1 Repair

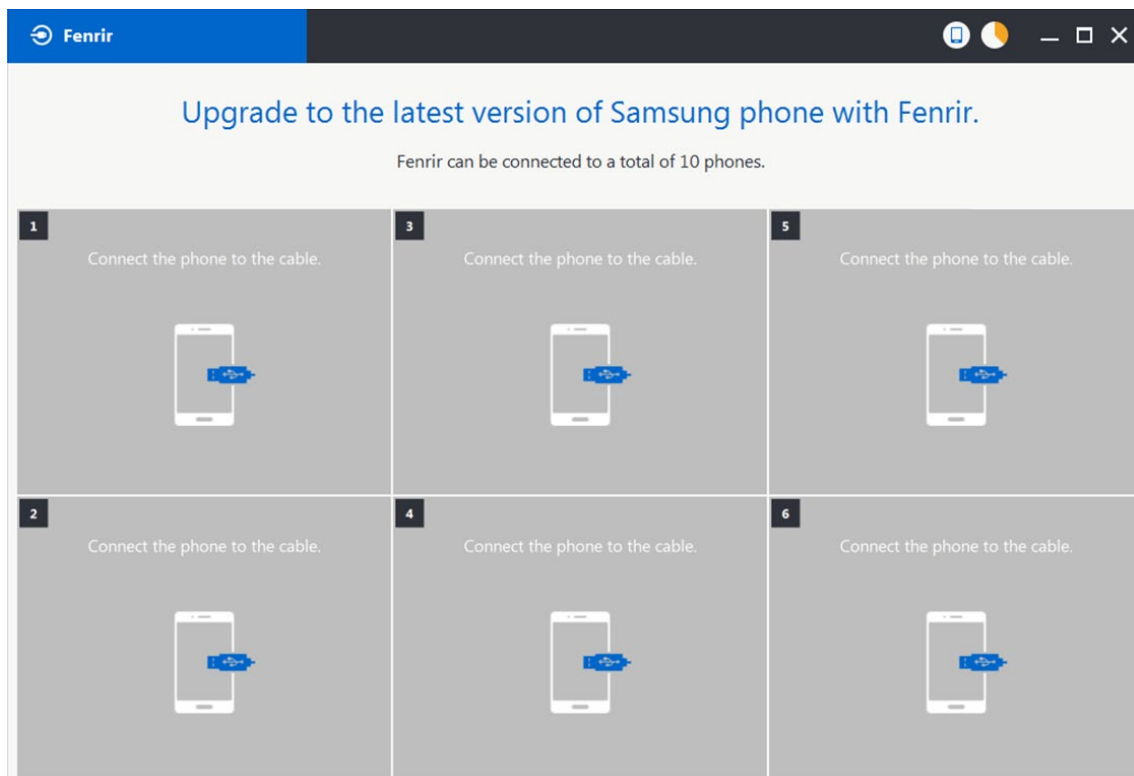
2) Input ID & password

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



The screenshot shows a window titled "Fenrir" with a close button (X) in the top right corner. The main text reads: "Input the ID and password registered to the SAMSUNG Fenrir service." Below this text are two input fields: "ID:" and "Password:". To the right of the "ID:" field is a blue button labeled "Proxy". Below the "Password:" field are two buttons: "Login" (highlighted with a dashed border) and "Close".

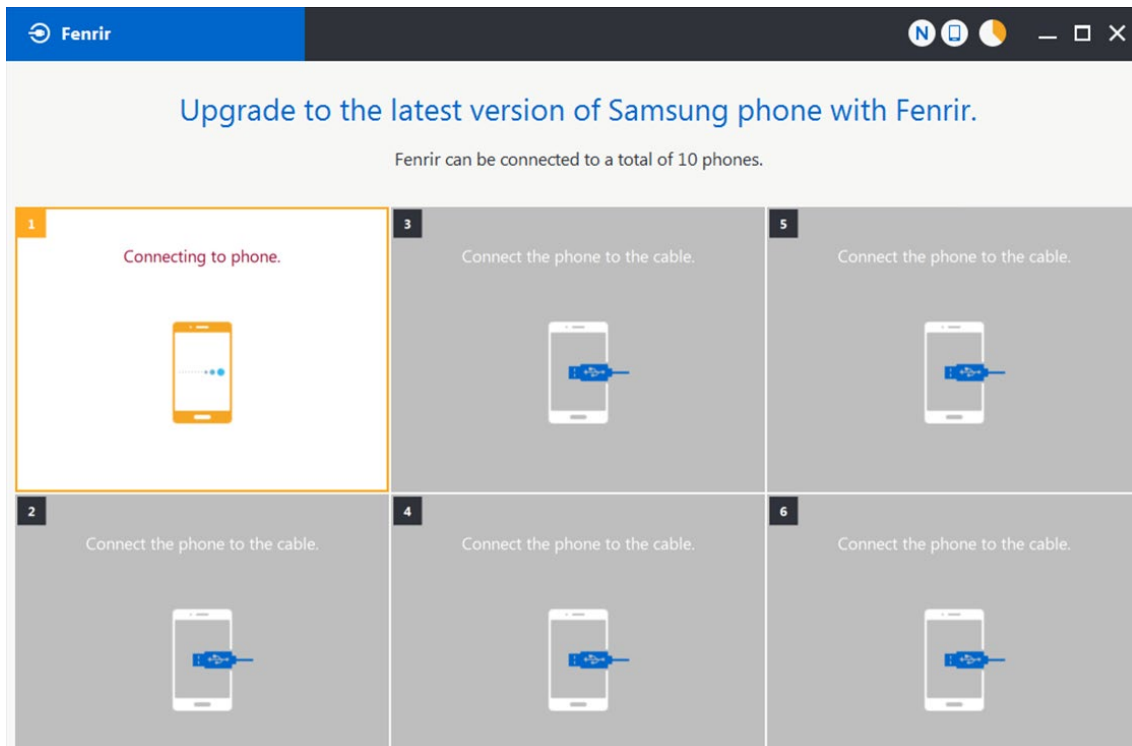
3) Ensure device has sufficient charge (at least 20%) to start firmware update.



4) Connect the device to PC via data cable.

6. Level 1 Repair

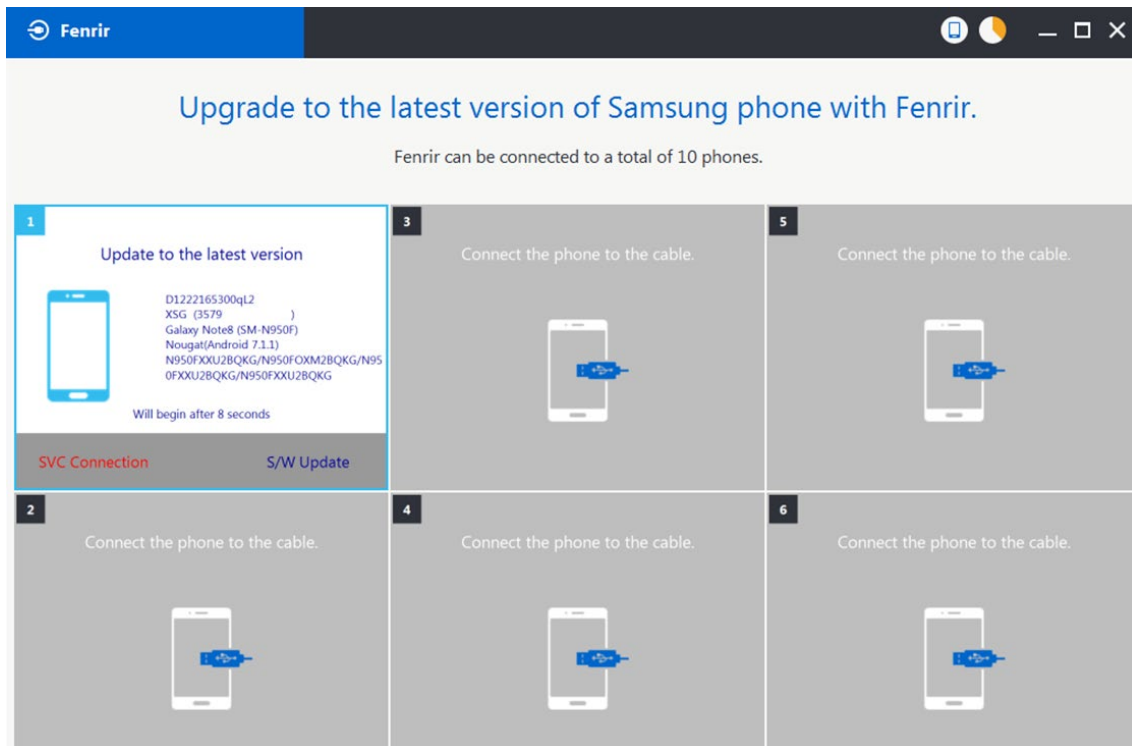
5) Upon USB connection, you will be presented with below screen.



6) Once device is detected, you will be presented with below screen.

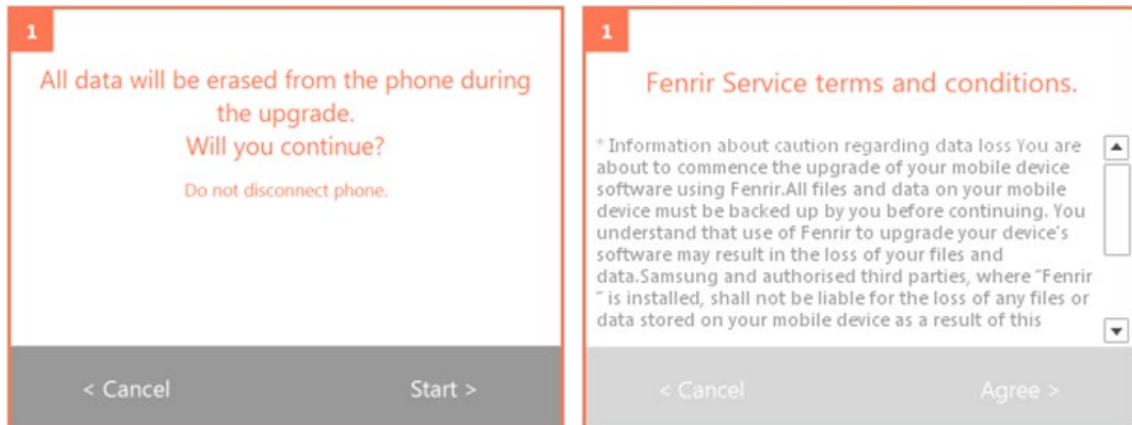
To update S/W, select "S/W Update" or to exit select "SVC Connection".

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)

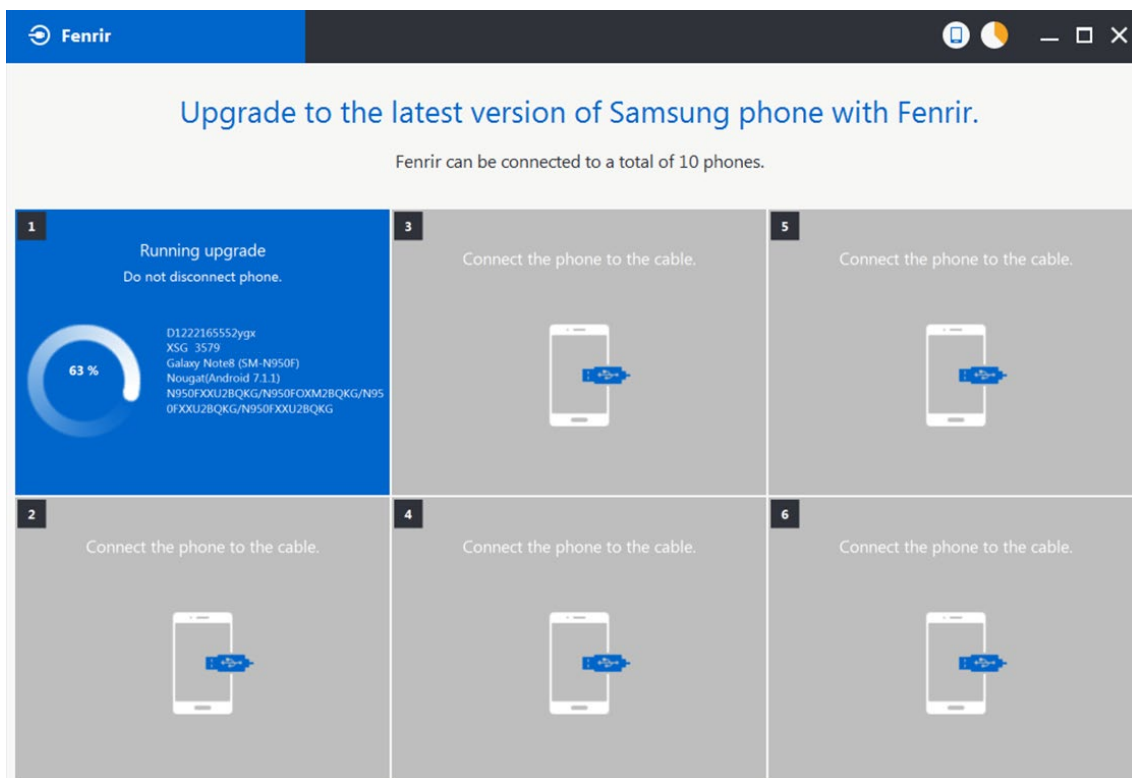


6. Level 1 Repair

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

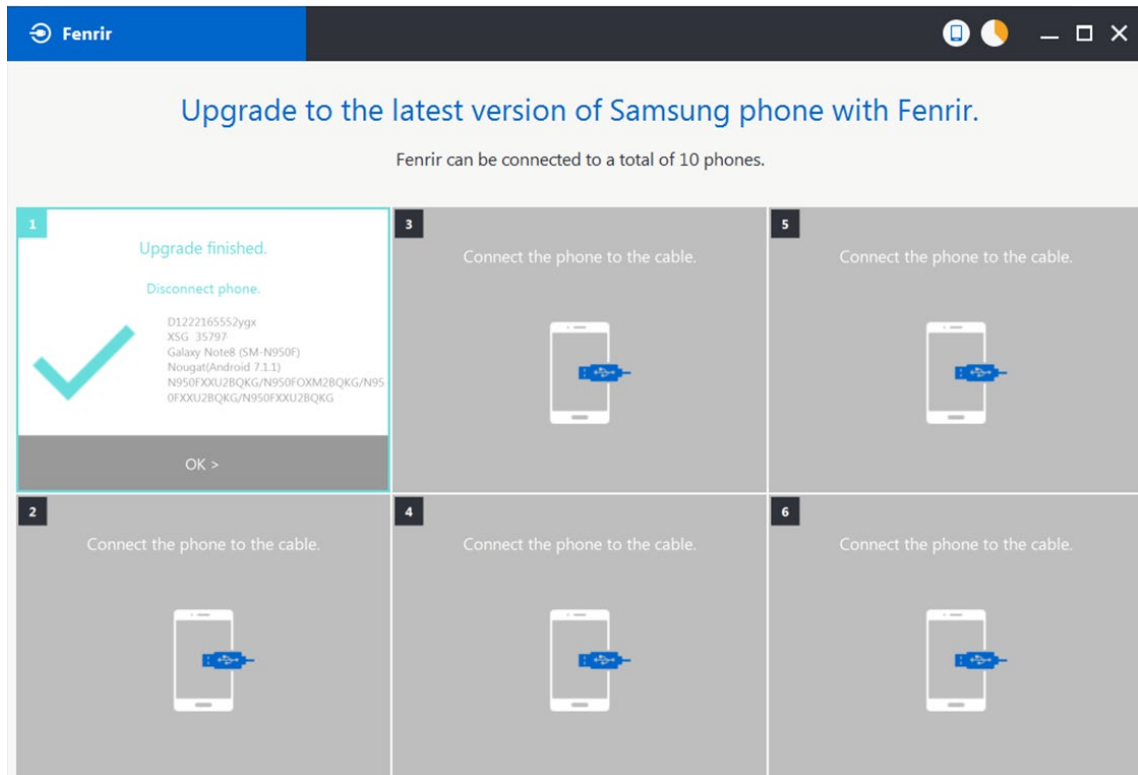


- 8) The status circle increases as the update installs.
The update process takes approximately 5-10 minutes to complete.
Do not disconnect the device from USB during processing.



6. Level 1 Repair

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



※ Please refer to the user guide for Fenrir uploaded on GSPN for more detailed information.

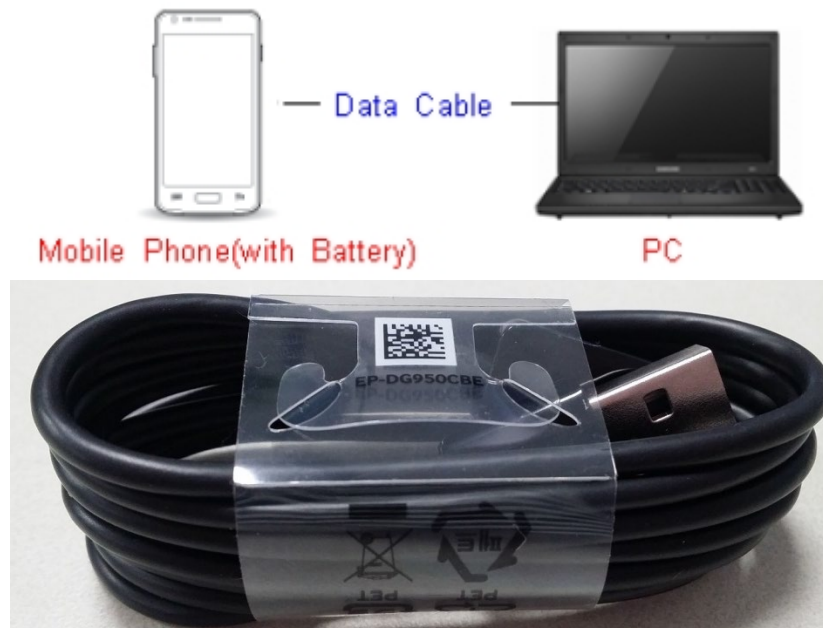
6. Level 1 Repair

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



Normal Data Cable

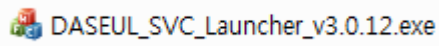
- S/W

① Library Install	To use Daseul, library files should be installed. Refer to SVC guide “(SP-04) USB writing guide_rev2.0”
② Launcher	DASEUL_SVC_Launcher_v3.0.12 or higher -Uploaded on HHPsvc Notice
③ Runtime File	1. DASEUL_IMEI_ALL_Runtime_3.1.421.0_r00638.CAB or higher -Uploaded on HHPsvc Notice 2. Make ‘ModelName’ folder at the same position with launcher & Runtime file.  DASEUL_IMEI_ALL_Runtime_3.1.281.0_r00405.CAB  DASEUL_Launcher_v4.0.0.exe  SM-G955U_VZW(SIM)_IMEI_Ver_3.1.278.2.CAB
④ Model File	Copy Model File under the ‘Model Name’ folder

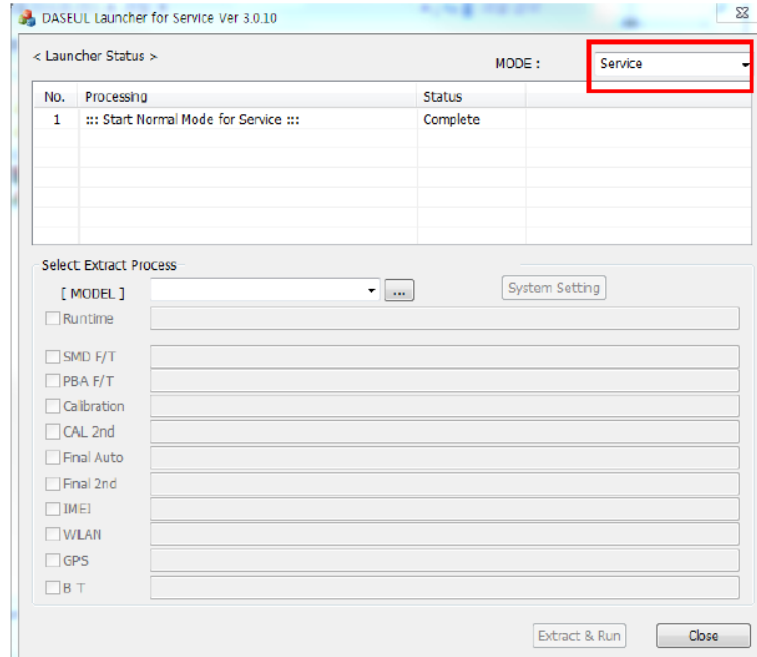
6. Level 1 Repair

6-2-2. IMEI writing Process

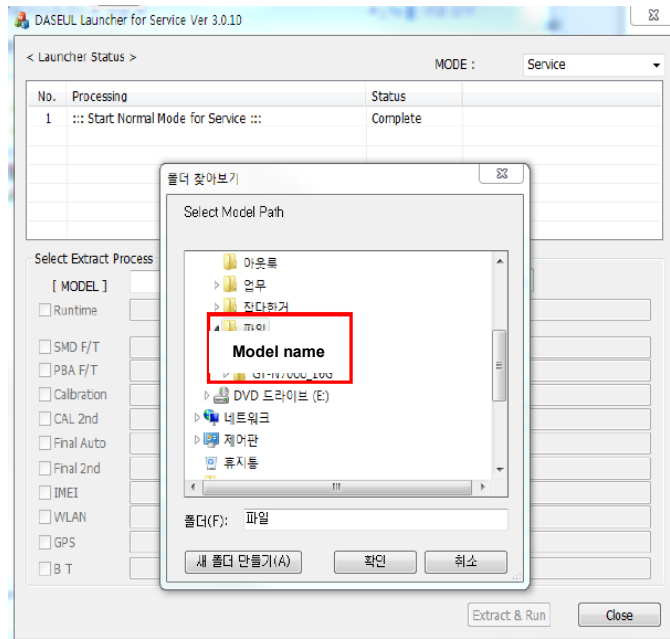
1. Run DASEUL_SVC_Launcher_v3.0.12.exe



2. Select Service Mode

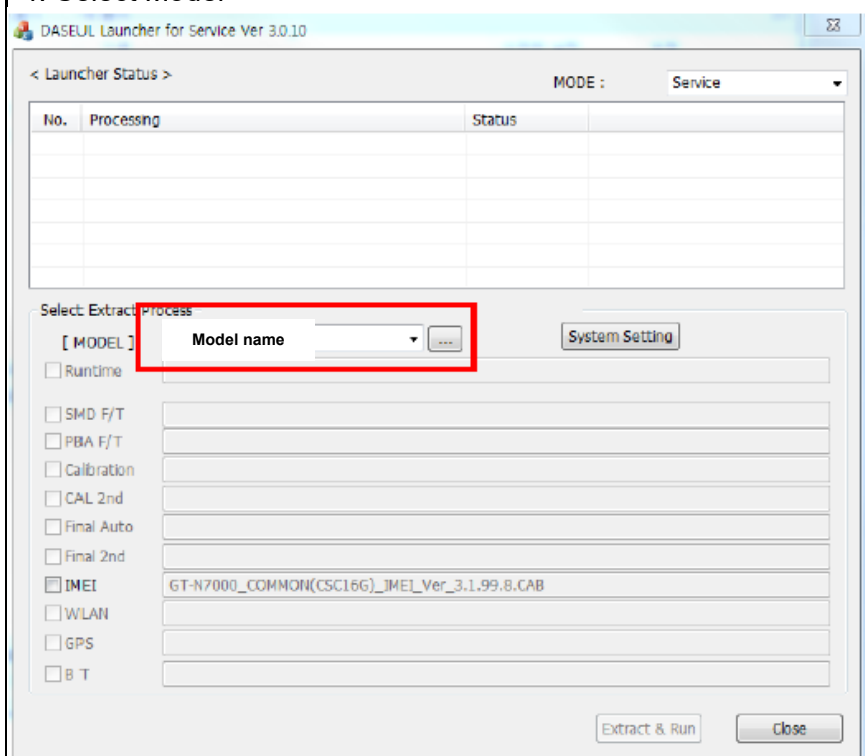


3. Click  and Select folder where the Launcher exists



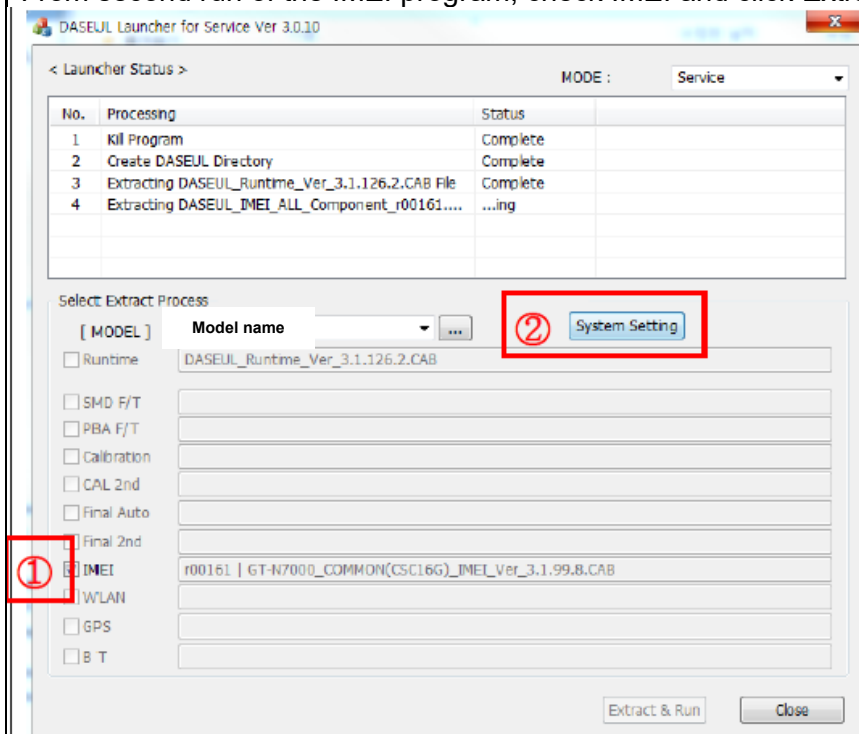
6. Level 1 Repair

4. Select Model



5. Check IMEI and click System Setting

※ Once you setup the setting, you don't have to do it again, unless there is change.
From second run of the IMEI program, check IMEI and click Extract & Run.



6. Level 1 Repair

6. Check IMEI Write / IMEI Check and click IMEI SVC & Repair Option.

Set System Configuration

Test Process

[Process]	[Master]	[Slave]
SMD F/T	<input type="checkbox"/>	<input type="checkbox"/>
PBA F/T	<input type="checkbox"/>	<input type="checkbox"/>
Calibration	<input type="checkbox"/>	<input type="checkbox"/>
Calibration 2ND	<input type="checkbox"/>	<input type="checkbox"/>
Final Auto	<input type="checkbox"/>	<input type="checkbox"/>
Final Auto 2ND	<input type="checkbox"/>	<input type="checkbox"/>
Final Manual	<input type="checkbox"/>	<input type="checkbox"/>
IMEI Write	<input checked="" type="checkbox"/>	<input type="checkbox"/>
IMEI Check	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MDL+2nd Check	<input type="checkbox"/>	<input type="checkbox"/>
MDL Rework	<input type="checkbox"/>	<input type="checkbox"/>
IMEI Read	<input type="checkbox"/>	<input type="checkbox"/>
STA Write	<input type="checkbox"/>	<input type="checkbox"/>
STA Check	<input type="checkbox"/>	<input type="checkbox"/>
STA Reset	<input type="checkbox"/>	<input type="checkbox"/>
WLAN	<input type="checkbox"/>	<input type="checkbox"/>
GPS	<input type="checkbox"/>	<input type="checkbox"/>
BT	<input type="checkbox"/>	<input type="checkbox"/>
WLAN	<input type="checkbox"/>	<input type="checkbox"/>
Power Off-On before WLAN	<input type="checkbox"/>	<input type="checkbox"/>
Bluetooth	<input type="checkbox"/>	<input type="checkbox"/>
LCIA	<input type="checkbox"/>	<input type="checkbox"/>
Merge 2G3G Block Rad.	<input type="checkbox"/>	<input type="checkbox"/>

Process Order

Default setting

- Language : English
- Line Name : LINE(temp)
- Line Type : Block Cell
- # of Phone : 1

※ If you need to do multiple IMEI writing at the same time, you can set the #(number) of phone to 2, 3, 4, etc.

- Start Number of UI : 1
- All check boxes should be unticked.

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 of Jig: 1

P Address: 10.244.246.156

SKD Mode: ☐

MultiSharing(CMWS): ☐

Developer Mode: ☐

Advanced Separating(ADS): ☐

Operation Condition

Operation Condition:

RUN SeeLog:

IMEI SVC&Repair Option

7. Check 'SVC , User Ticket No' and click OK

IMEI SVC && Repair Option

☐ FTR N/A ☐ Rework N/A ☐ Korean SVC Write

☒ SVC User Ticket No ☐ Sela Miami N/A ☐ 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

6. Level 1 Repair

10. Select Port Number and SAVE

Set IO BUS Configuration

Phone IO Bus Setting

Common

BaudRate: 115200
Data Bit: 8
Parity: No
Stop Bit: 1

No.	Port #1
1	1

SAVE

Cancel

11. Click OK to proceed

Set System Configuration

Set System Configuration Dialog...

Test Process

[Process] [Master] [Slave]

SMD F/T ☐ ☐ ☐

PBA F/T ☐ ☐ ☐

Calibration ☐ ☐ ☐

Final Auto ☐ ☐ ☐

Final Manual ☐ ☐ ☐

IMEI Process

IMEI Write ☒ ☐ ☐

IMEI Check ☒ ☐ ☐

MDL +2nd Check ☐ ☐ ☐

MDL Rework ☐ ☐ ☐

IMEI Read ☐ ☐ ☐

WLAN ☐

Power Off-On before WLAN ☐

Bluetooth ☐

Test Condition

Calibration

Real CAL Cycle: on every 20 default CALs

Calibration Mode: Dynamic

Final

Supply RF Signal by: Conduction

Test Signal Mode: Signaling

Developer Mode ☐

IMEI

Use RFSM ☐

Use Second PC ☐

Save ODS ☐

IMEI SVC&Repair Option

System Config.

Language: English

Line Name: LINE(temp)

Line Type: Block Cell

of Phone: 1

Start Number of Jig: 1

IP Address: 10.244.114.62

Model Information

Hardware Config

Signal Loss Config

Channel Config

Test Calibration

Setting End Band

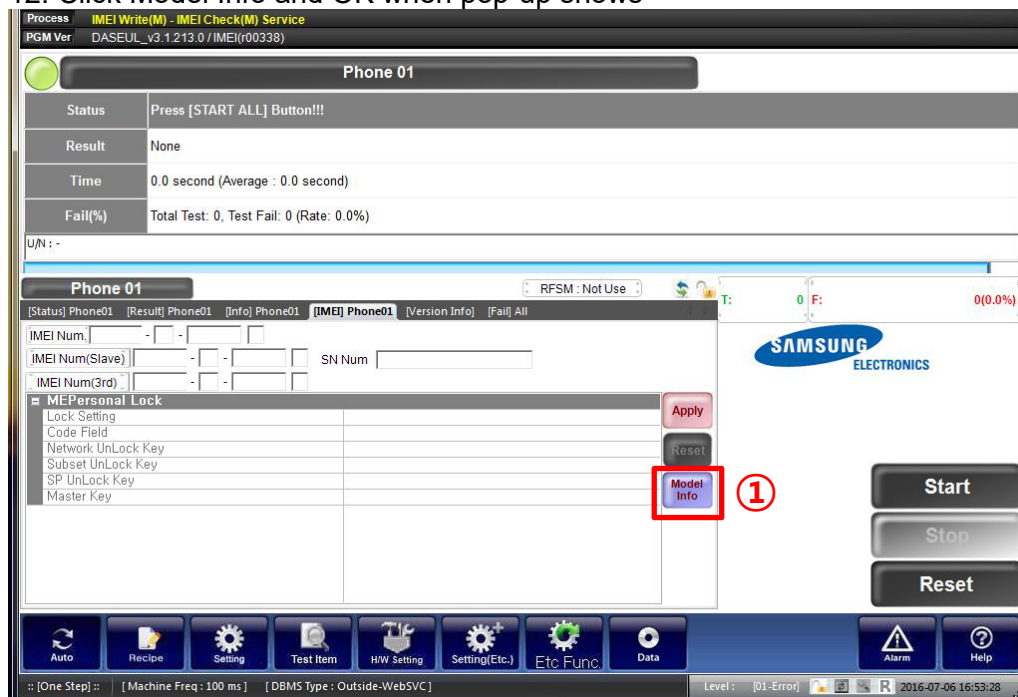
Operation Condition

Operation Condition

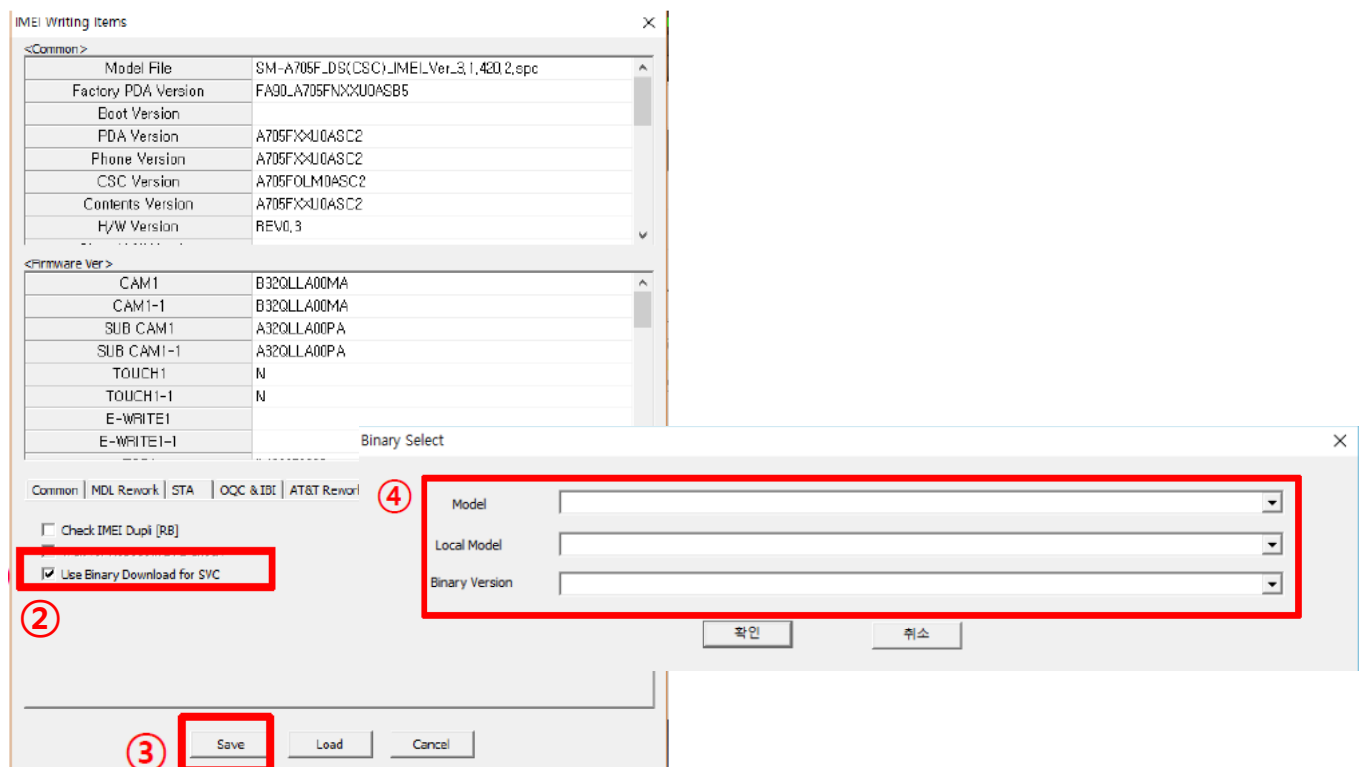
OK

6. Level 1 Repair

12. Click Model Info and OK when pop-up shows

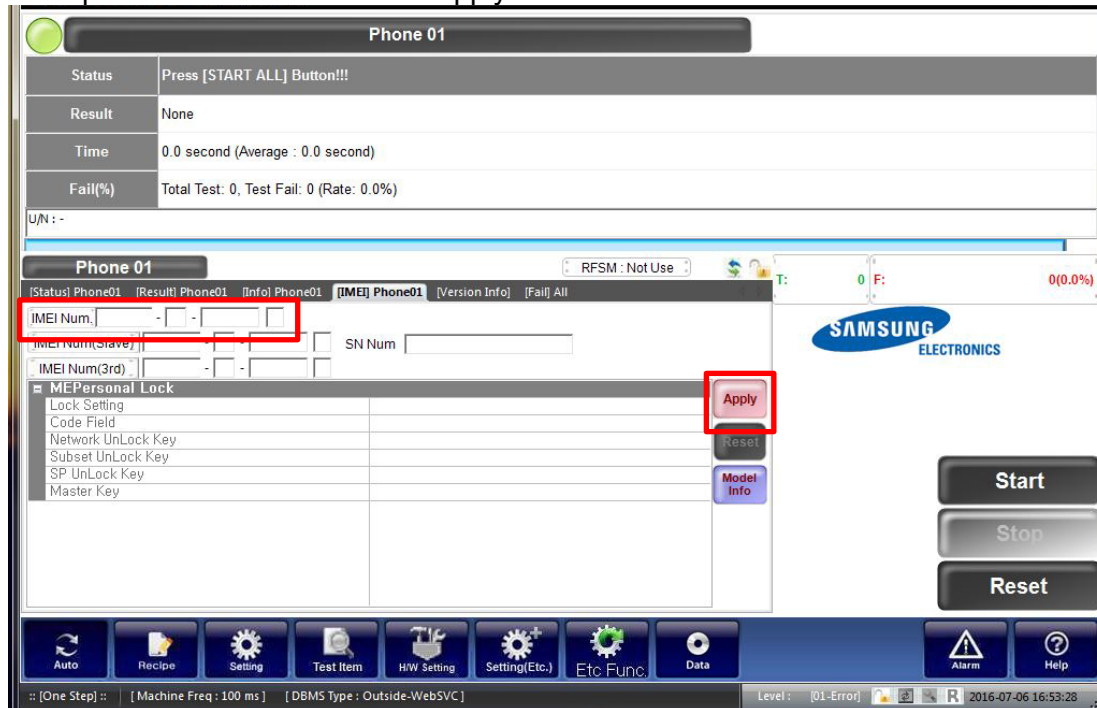


13. Check the option “Use Binary Download for SVC” and Select S/W information.

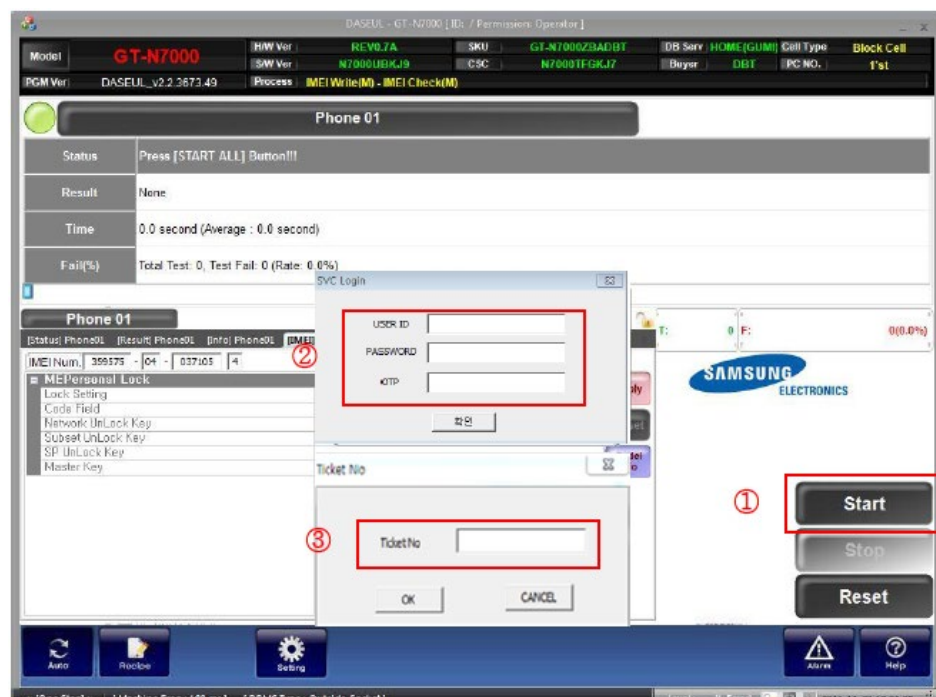


6. Level 1 Repair

14. Input IMEI Number and click Apply



15. ① Click Start → ②Input IMEI writing ID and Password & OTP → ③Input Ticket No

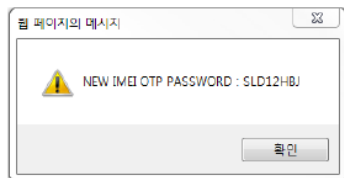
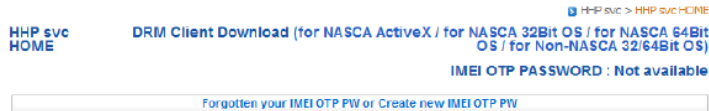


6. Level 1 Repair

※ 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 Create new IMEI OTP PW” button.

☞ OTP Location : GSPN → Knowledge → HHP svc → Home

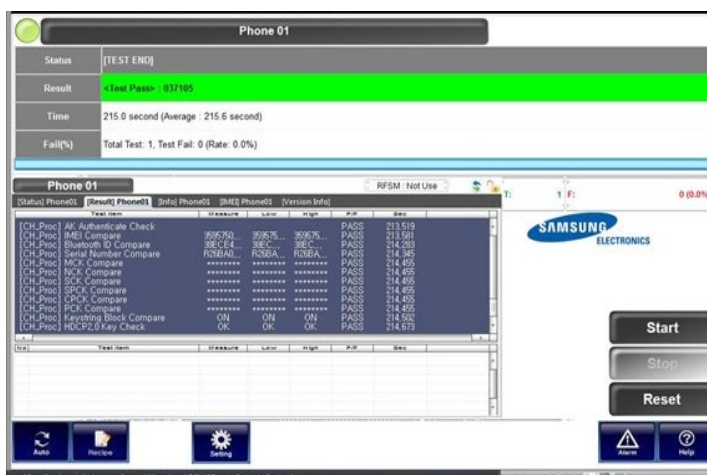
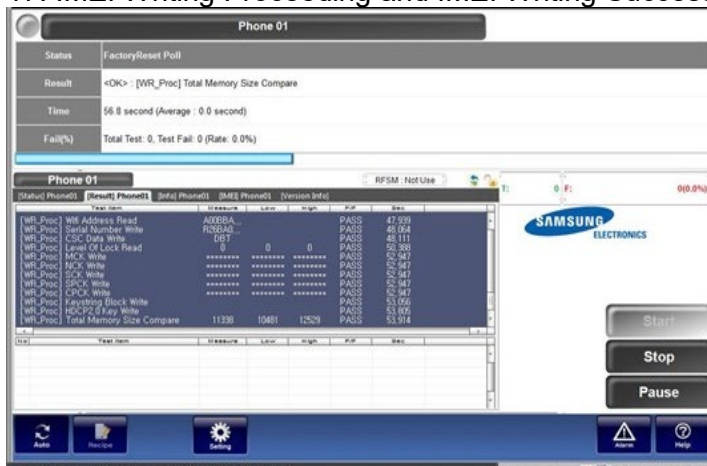


16. Connect the phone to Anyway JIG

※ When you connect the phone, the phone should be turned off.

After connecting the phone, the phone will be booted automatically.

17. IMEI Writing Proceeding and IMEI Writing Success



※ Please refer to the user guide for IMEI Writing on GSPN for more detailed information.