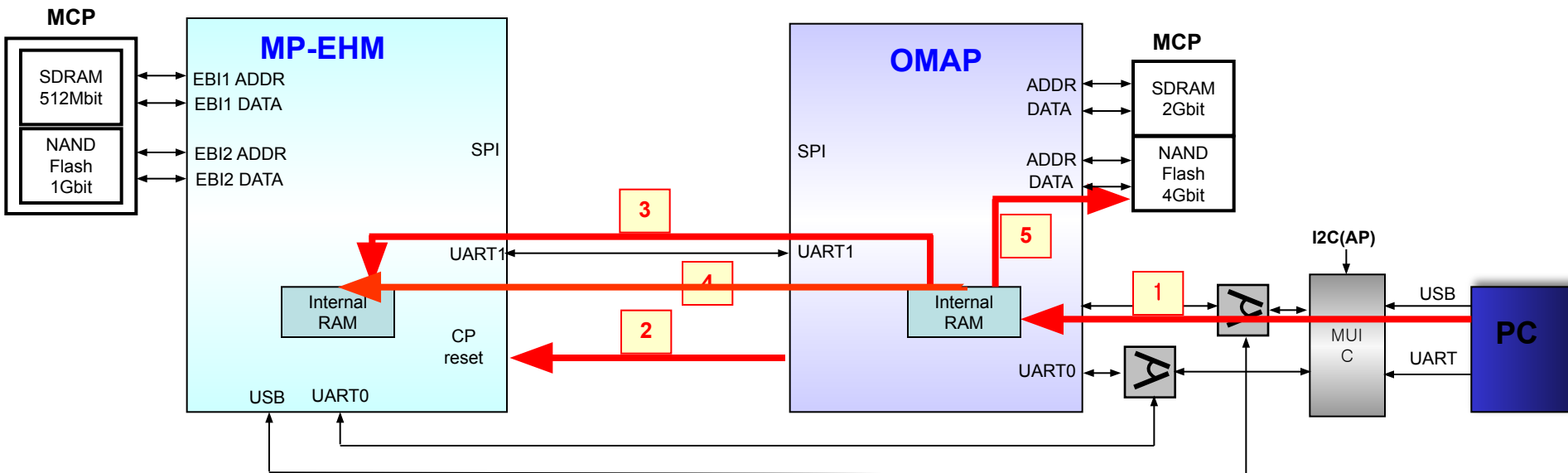




[P970] Introduction of download tool

1. Download procedure
2. Installation of download usb driver
3. USB driver recognition
4. Download Start
5. Download End
6. Download rom copy binary
7. Troubleshooting
8. Tool tip

Download Procedure



• Down Load Procedure

1. AP Boot Loader communicate with PC Tool using USB
2. CP Reset
3. CP Boot Loader D/L as using AP-CP UART
4. CP Program Data D/L as using UART
5. AP Program Data D/L

[abbreviation]

- CP : Call Processor
- AP : Application Processor
- D/L : Down Load
- I/F : Interface

Step 1 Installation of download USB driver

1. Execute 'LG USB Driver 4.9.7 WHQL Release for Windows 7 .exe' (refer under picture)



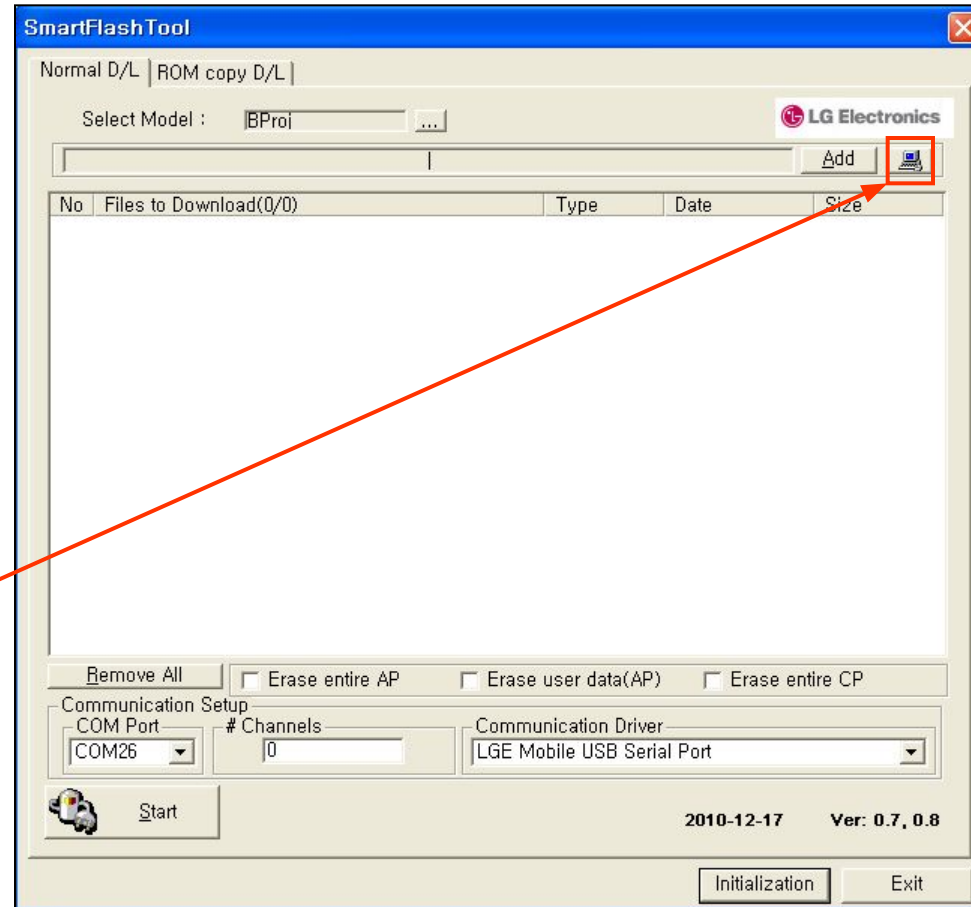
Step 2 USB driver recognition

1. Execute smartflash tool

2. Separate battery from phone

3. Connect USB cable to phone after pressing volume down key.
 ※ You should press volume UP Key until PC recognize the USB driver

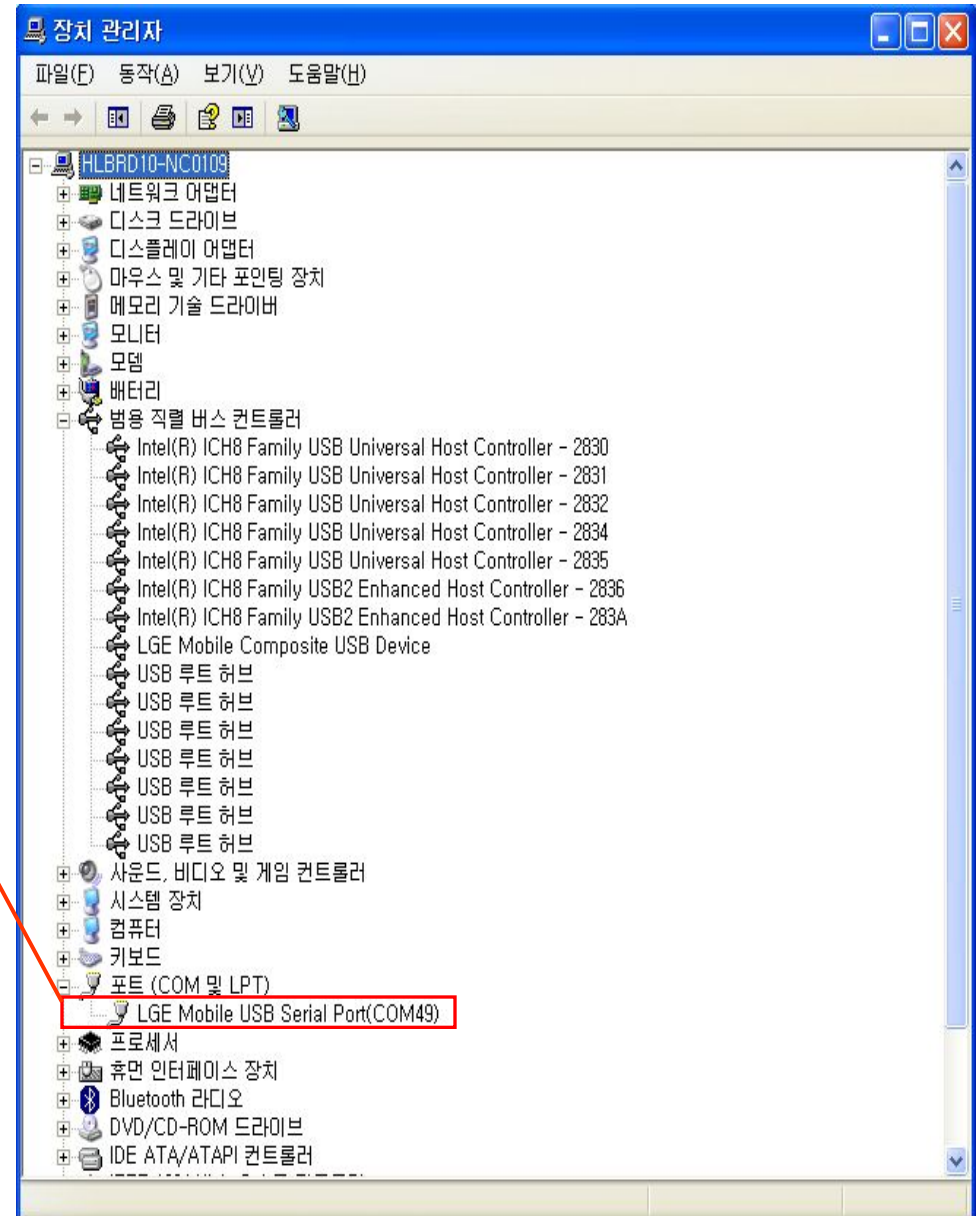
4. In smartflash tool, Press upper right Button



Step 2 USB driver recognition

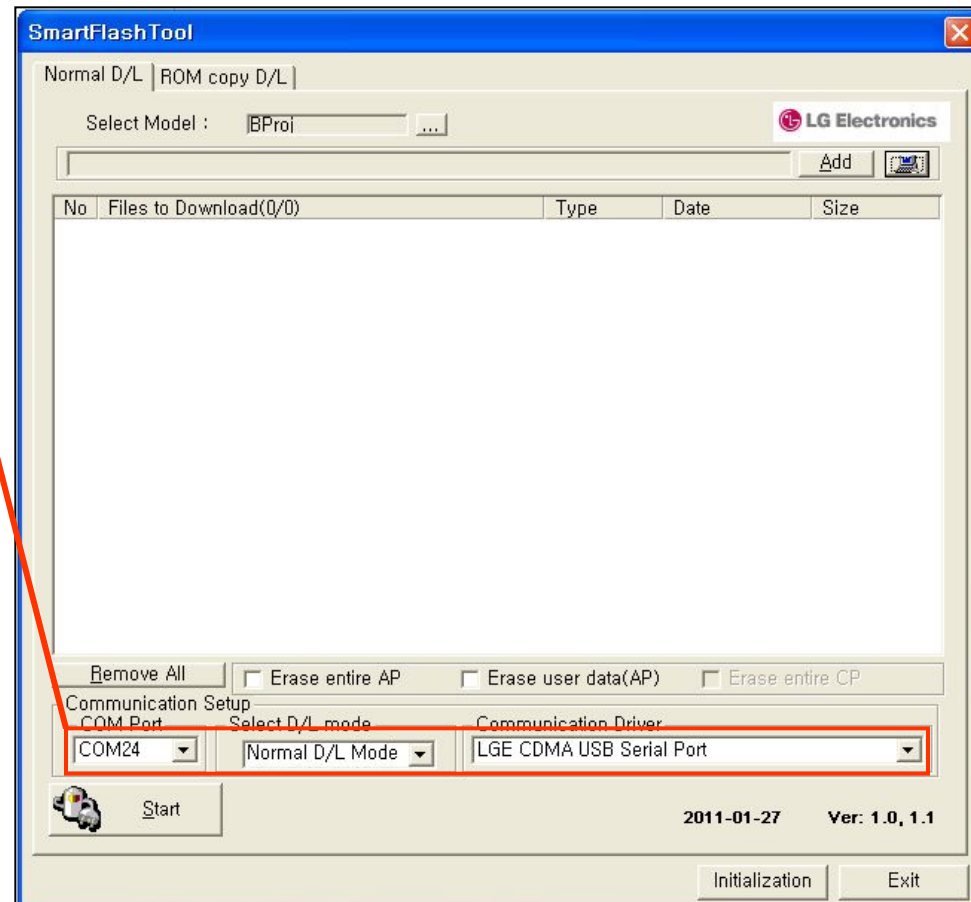
5. Install USB driver to specific COM port.
Wait until detecting USB COM port
'LGE Mobile USB Serial Port'

6. If PC detects USB Com port,
You should disconnect USB cable
from Phone



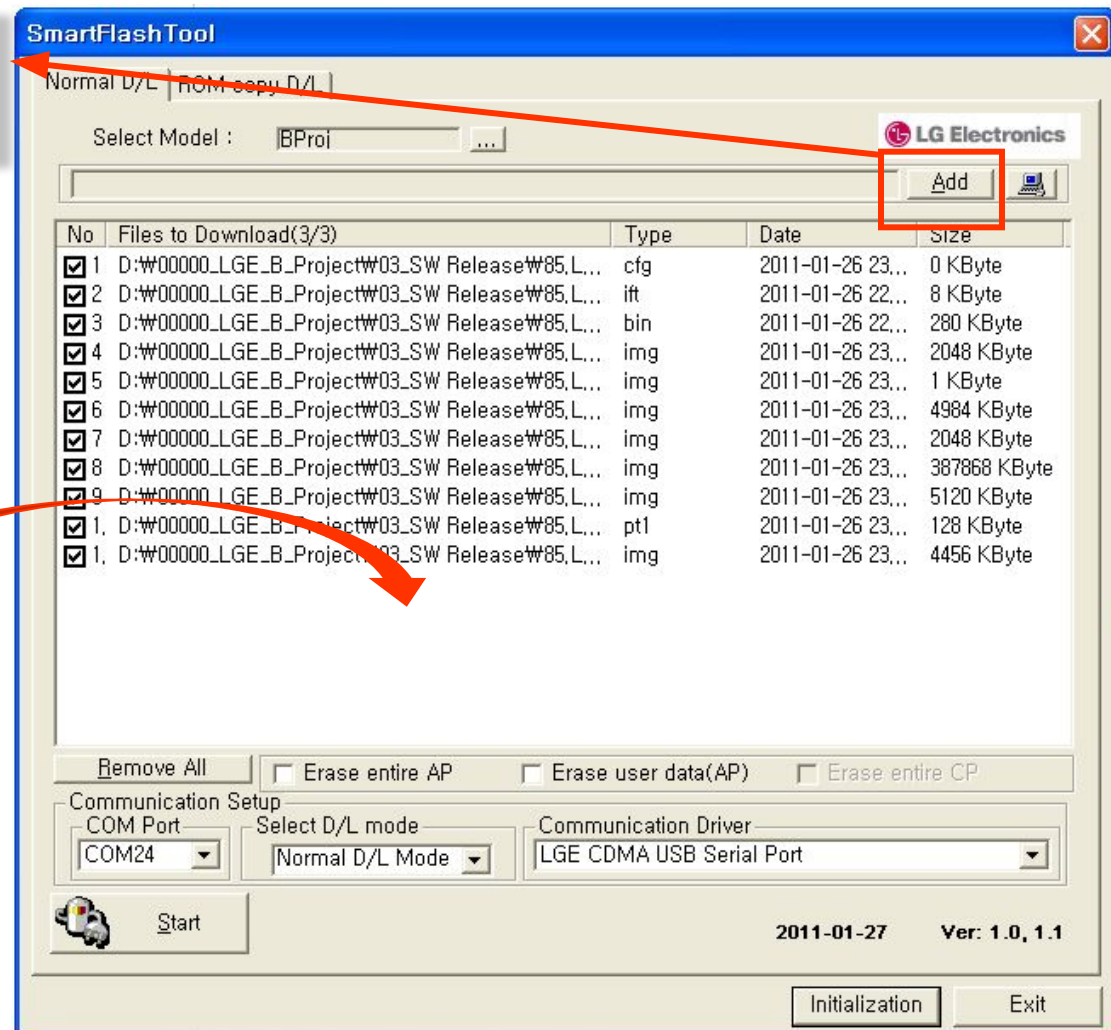
Step 3 Download Start

7. You should confirm whether COM port is detected.
If COM port is not detected, you reconnect USB cable
to phone with pressing volume UP key.



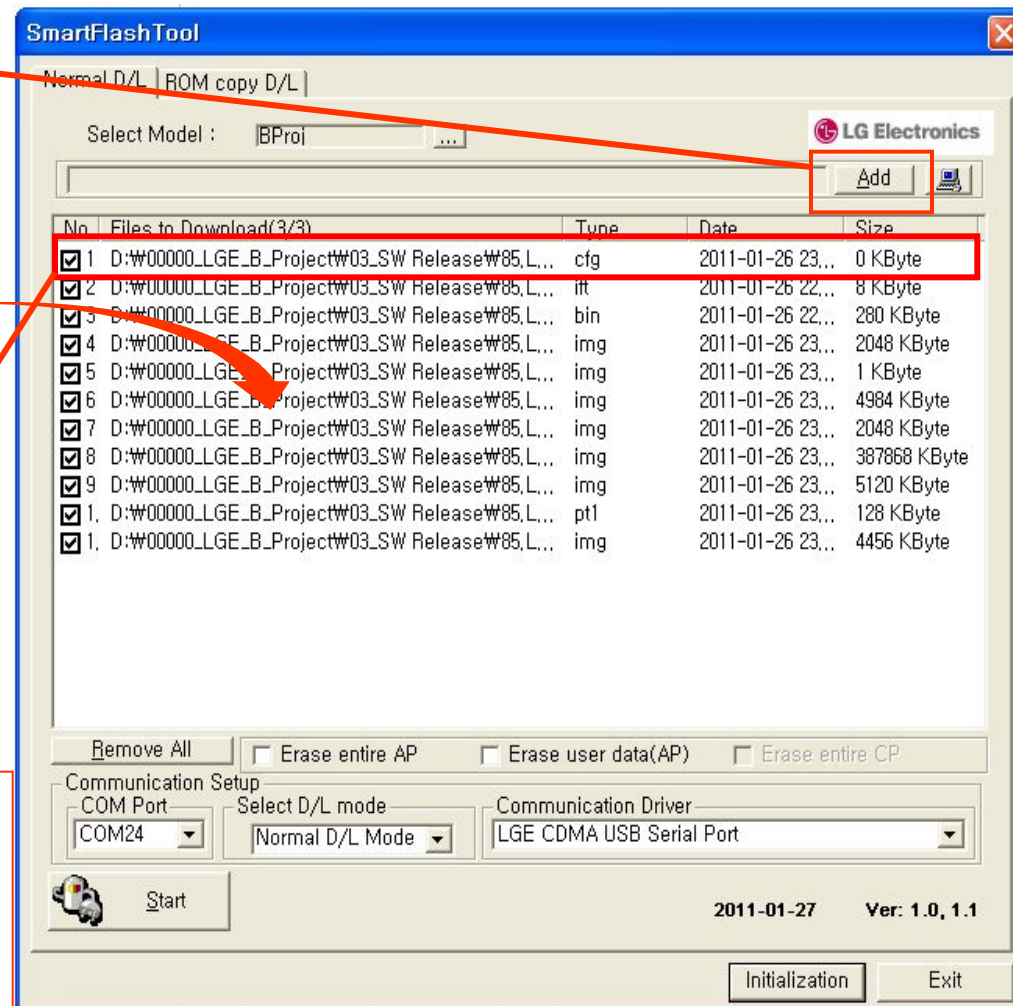
Step 3 Download Start cont..

9. Drag & Drop or Press 'Add' button for adding files



Step 3 Download Start cont..

9. Drag & Drop or Press 'Add' button for adding files



◆ Important
In OMAP, specific files (**"*.cfg"**)
Must be included in download lists.
However, If you only want to download CP
binary,
You don't need to download **"*.cfg"**

Step 3 Download Start cont..

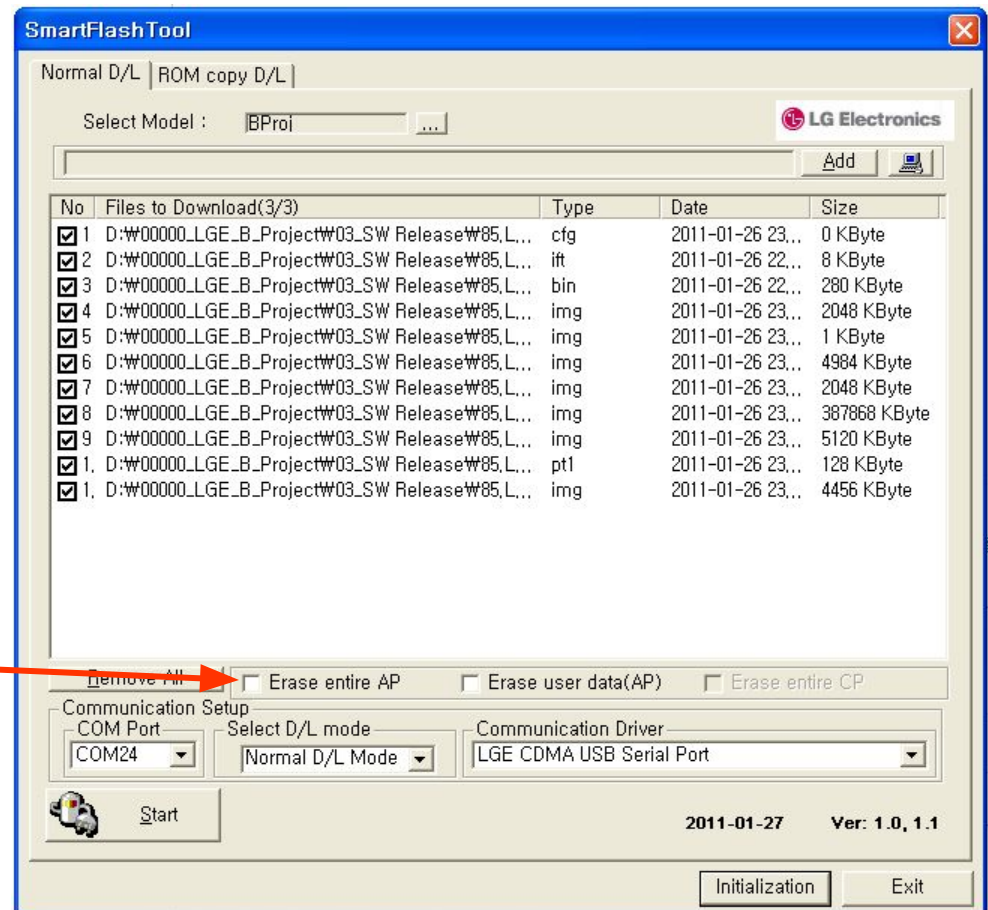
[AP]

1. Erase entire AP

You can erase all memory area of AP

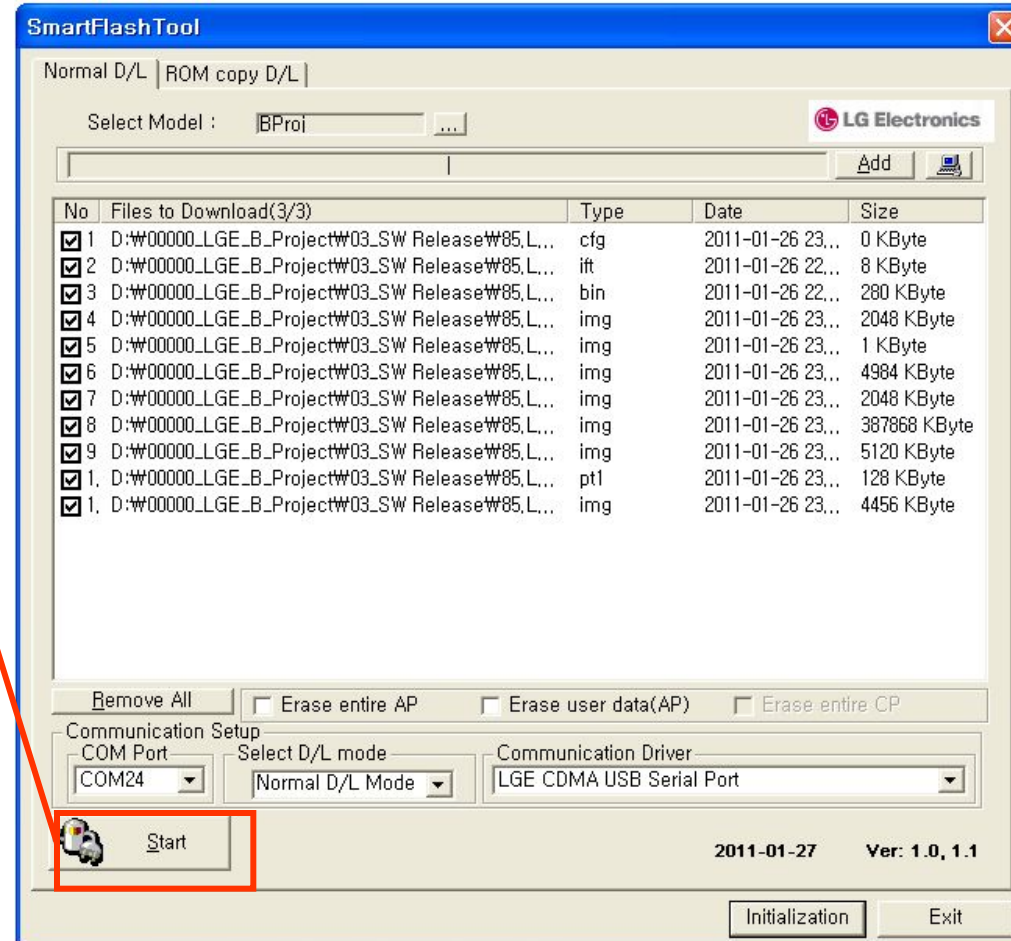
2. Erase user data

You can erase USER and MISC partition

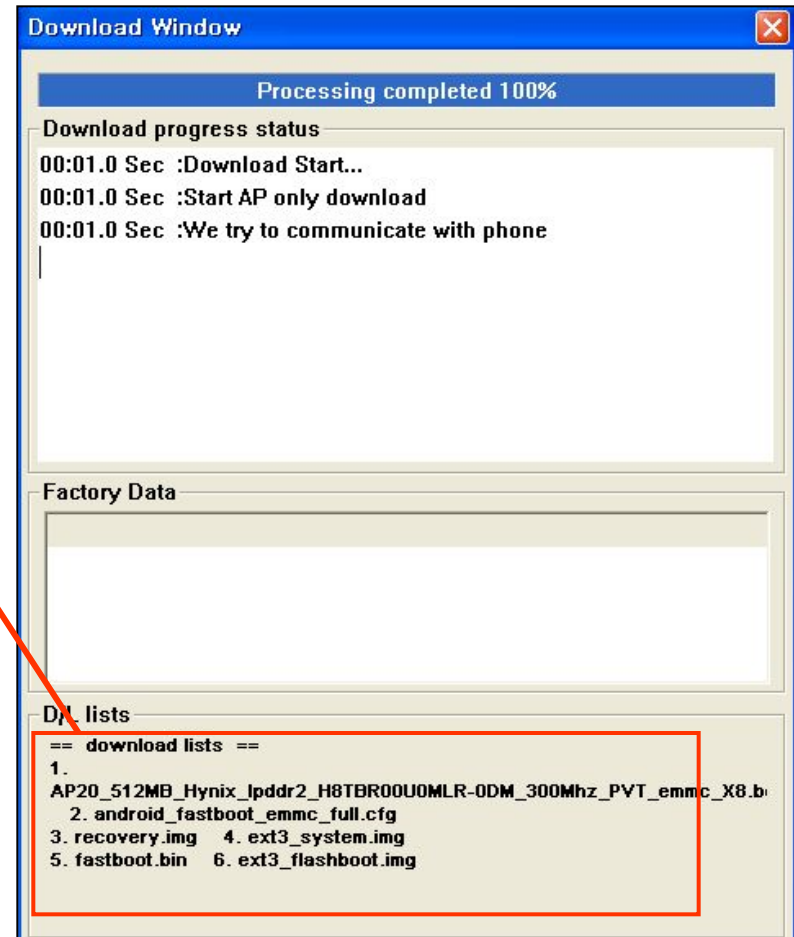


Step 3 Download Start cont...

10. Press 'Start' button for flashing.

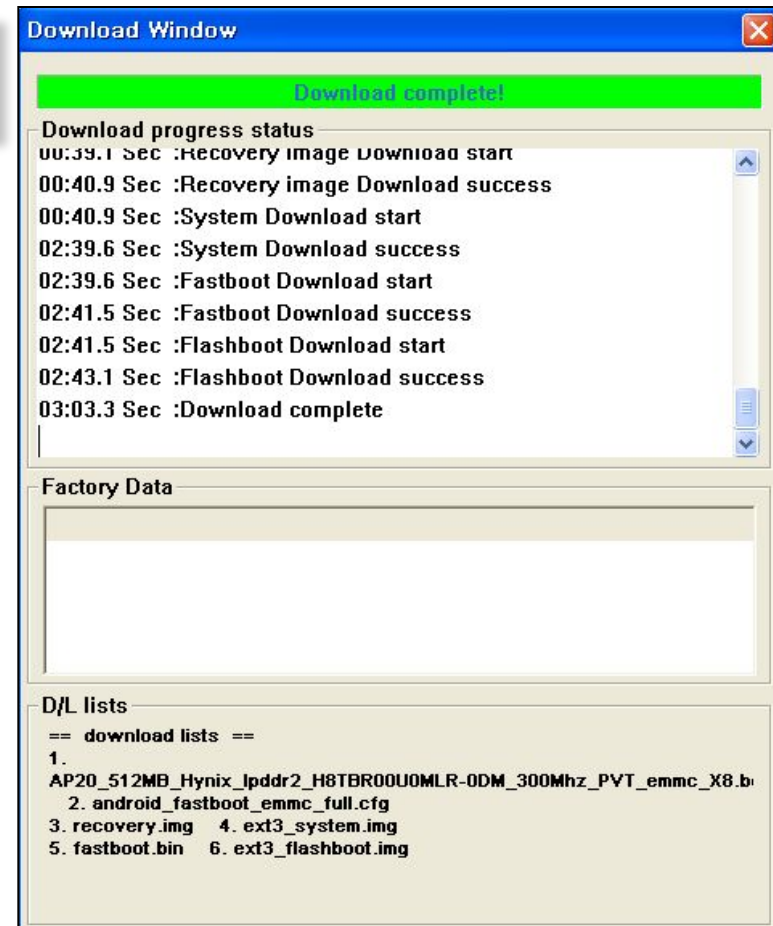


11. You can find file lists for downloading.

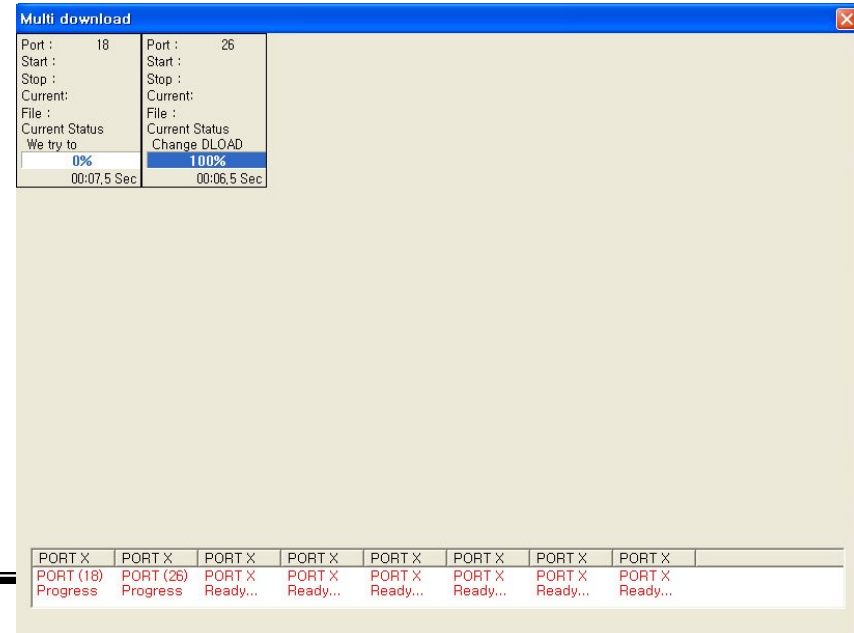
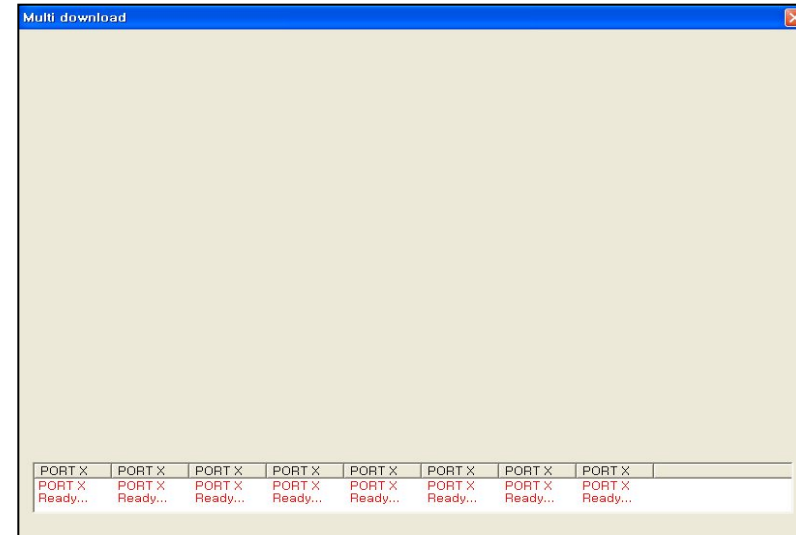
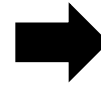
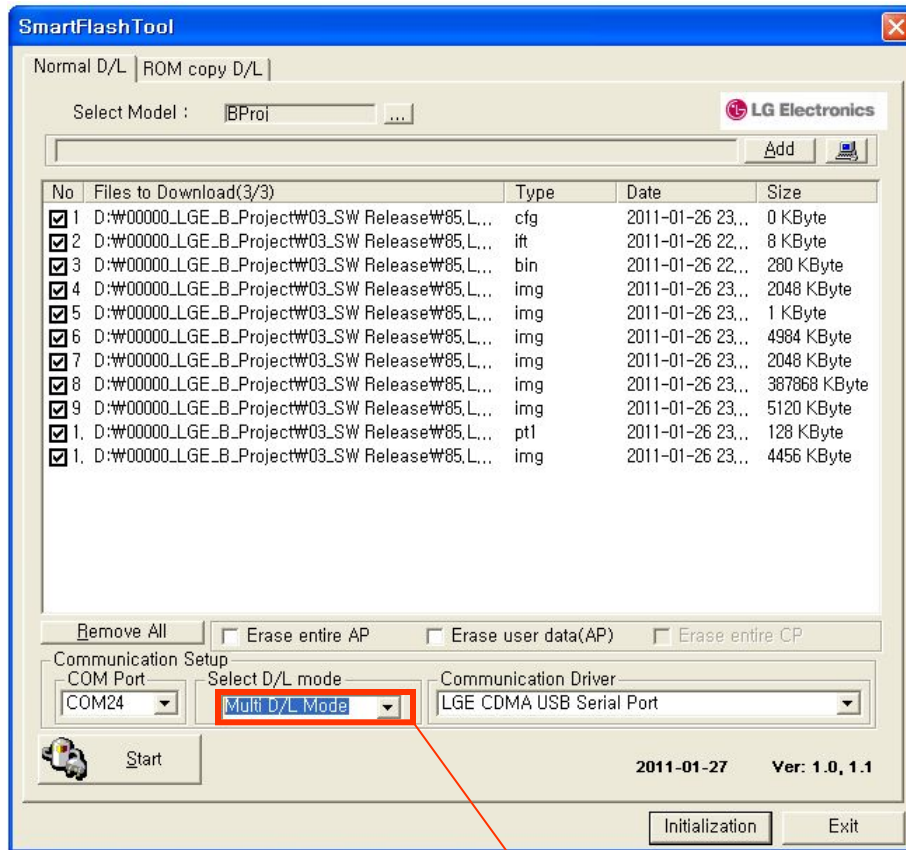


Step 4 Download End

12. You can see picture like right after finishing download.



Step 5 Multi Download



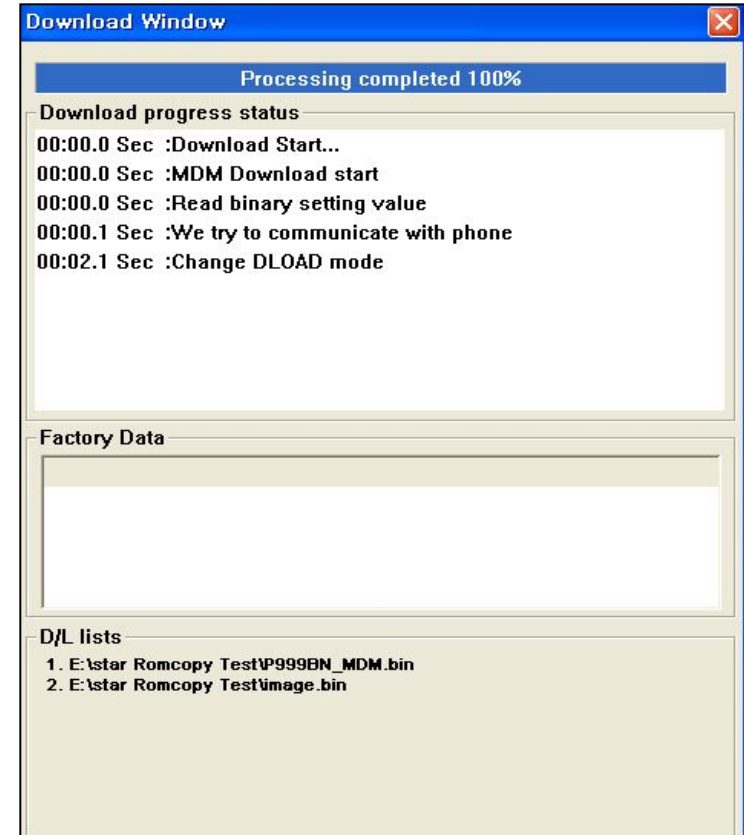
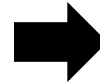
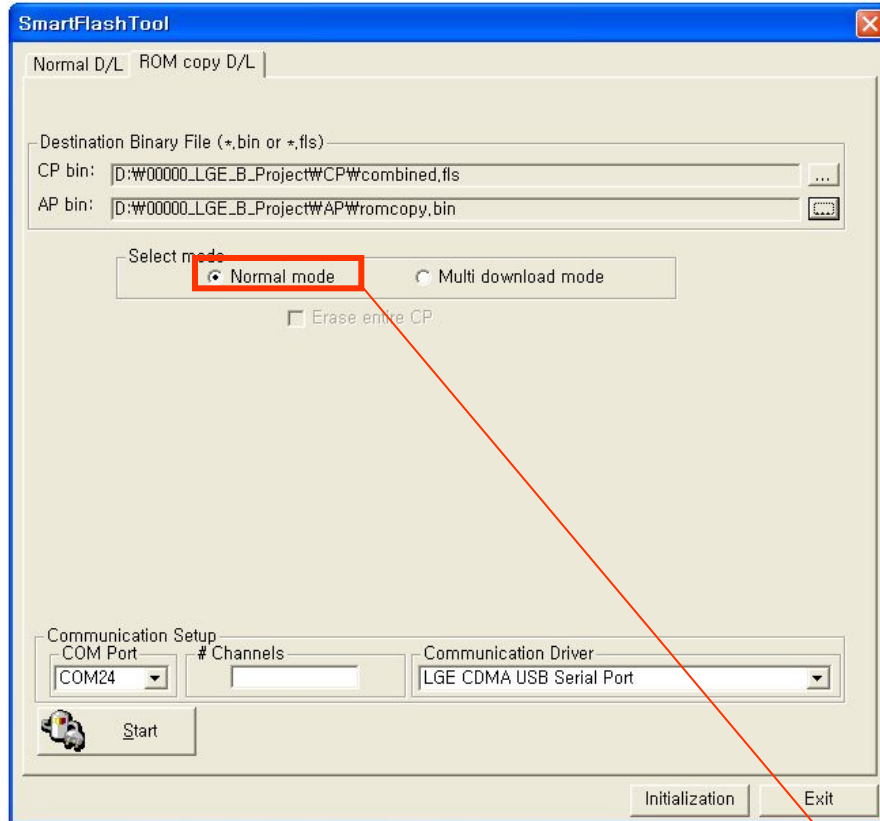
1. Add Files (AP binary)

multi
download



[P970] Introduction of rom copy
bianry
download

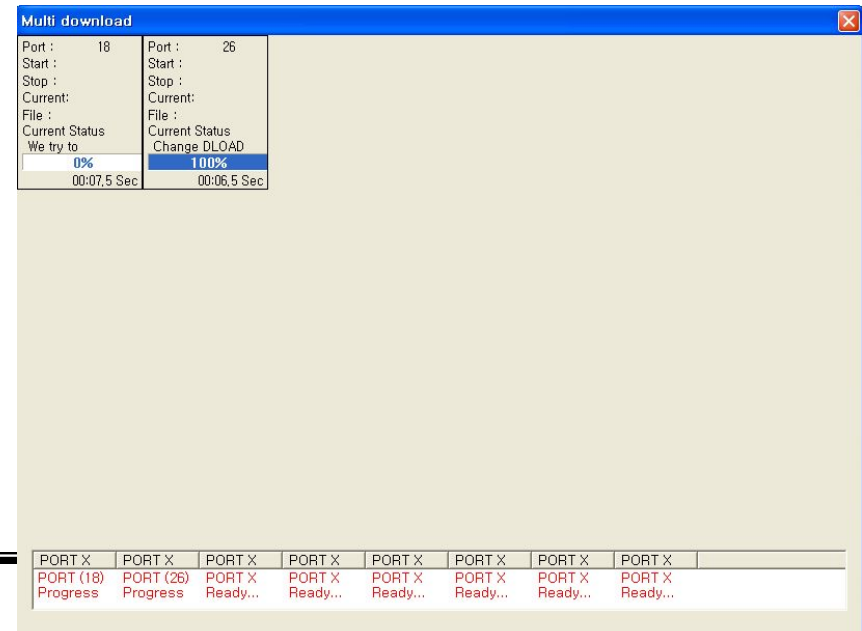
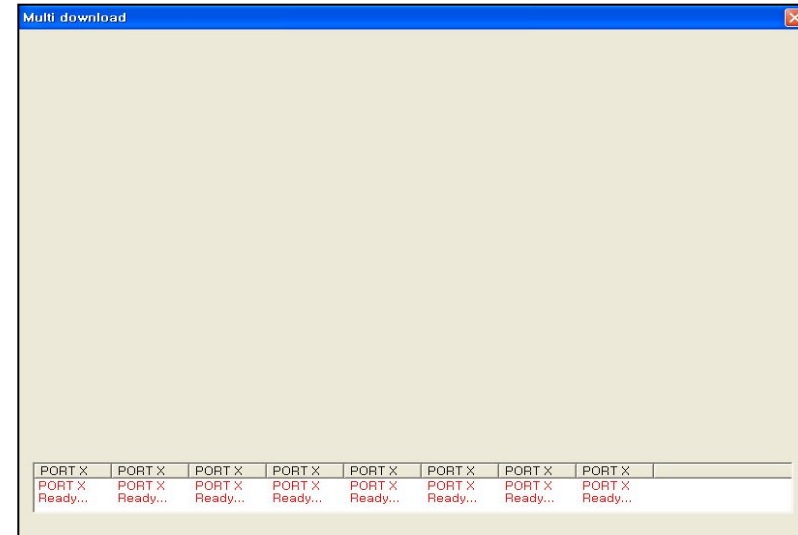
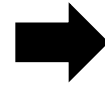
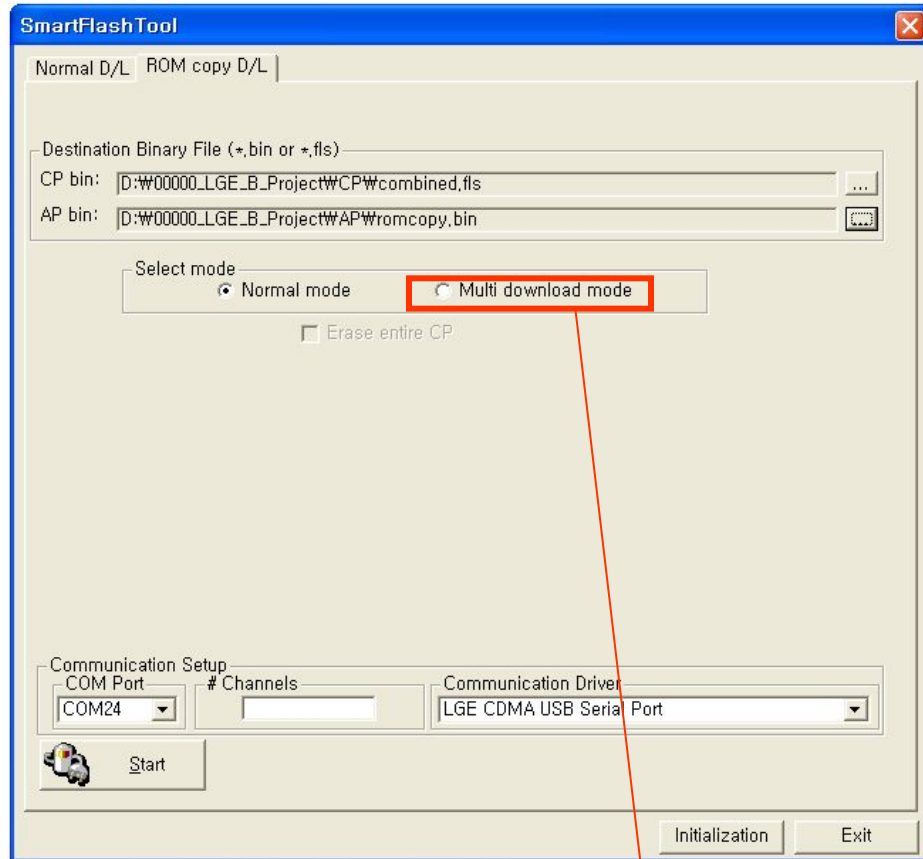
Download rom copy binary (Single download)



1. Add bin files (CP binary, AP binary)

single
download

Download rom copy binary (multi download)



1. Add bin files (CP binary, AP binary)

multi
download



[P970] Troubleshooting

1. After downloading binary, Phone can 't boot.

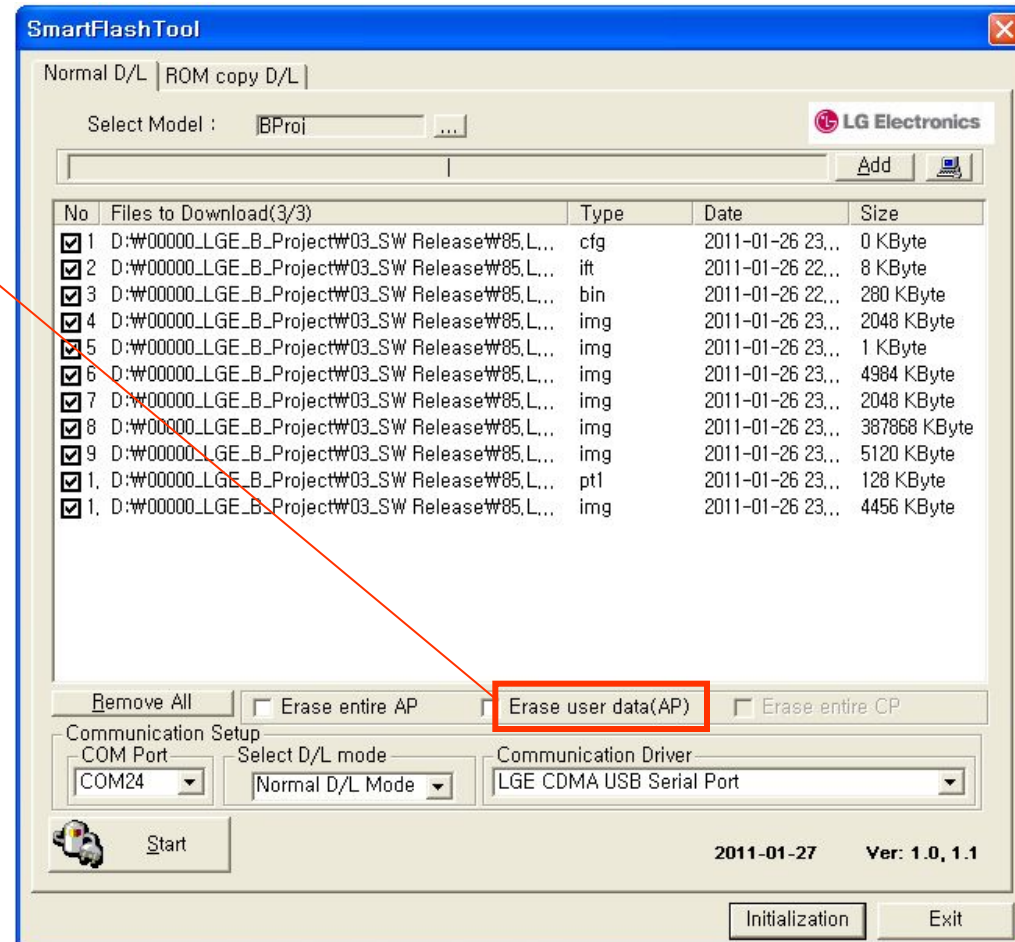
◆ Action1

⇒ When you download binary,
Check 'erase user data(AP)

※ If there are some garbage data in
User partition, phone can't boot.

◆ Action2

⇒ Check battery whether battery
Is discharged



2. During downloading, Color of progress bar turn into red color

◆ Action1

- (1) Disconnect USB cable from phone
- (2) Reconnect USB cable to phone
- (3) Restart download process.



4. If FlashTool is disappeared

◆ Action1

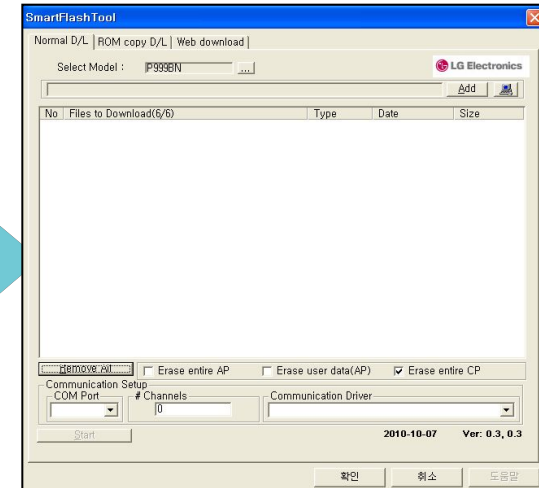
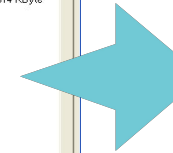
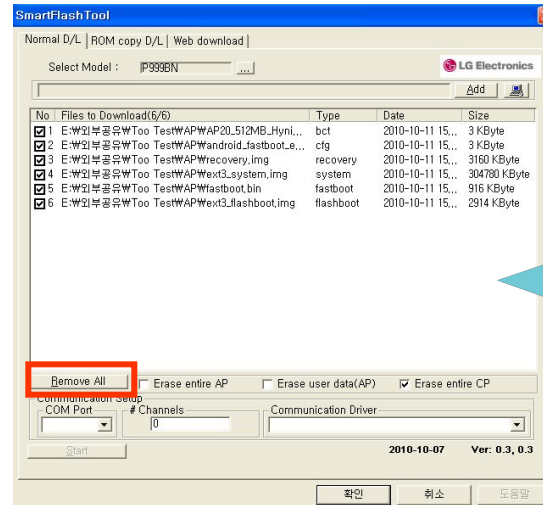
⇒ Click 'Remove All' button

◆ Action2

⇒ Erase "SmartFlash.ini" file

◆ Action3

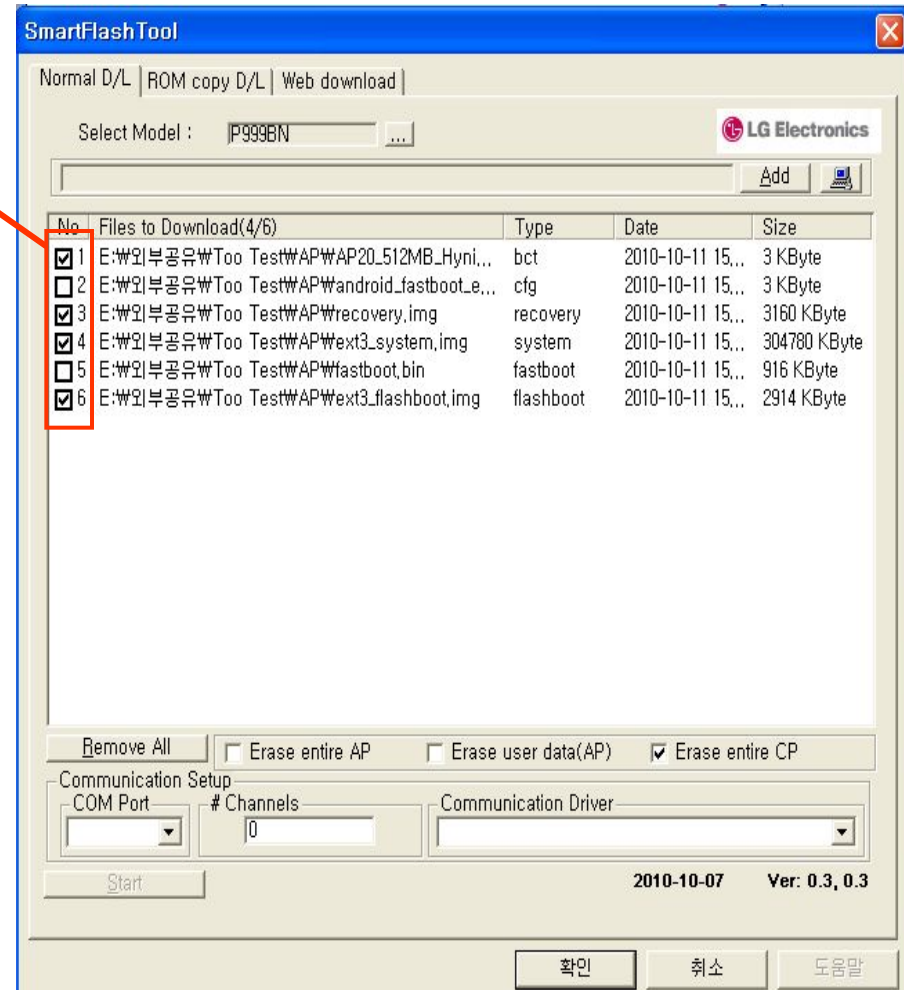
⇒ Restart FlashTool



| | | | | |
|--|----------------|-------|------------|--------------------|
| | genericdll.dll | 68KB | 응용 프로그램 확장 | 2010-10-16 오후 2:21 |
| | Log.rtf | 3KB | 서식 있는 텍스트 | 2010-10-16 오후 5:30 |
| | model.dll | 184KB | 응용 프로그램 확장 | 2010-10-16 오후 3:16 |
| | SmartFlash.ini | 1KB | 구성 설정 | 2010-10-16 오후 5:32 |

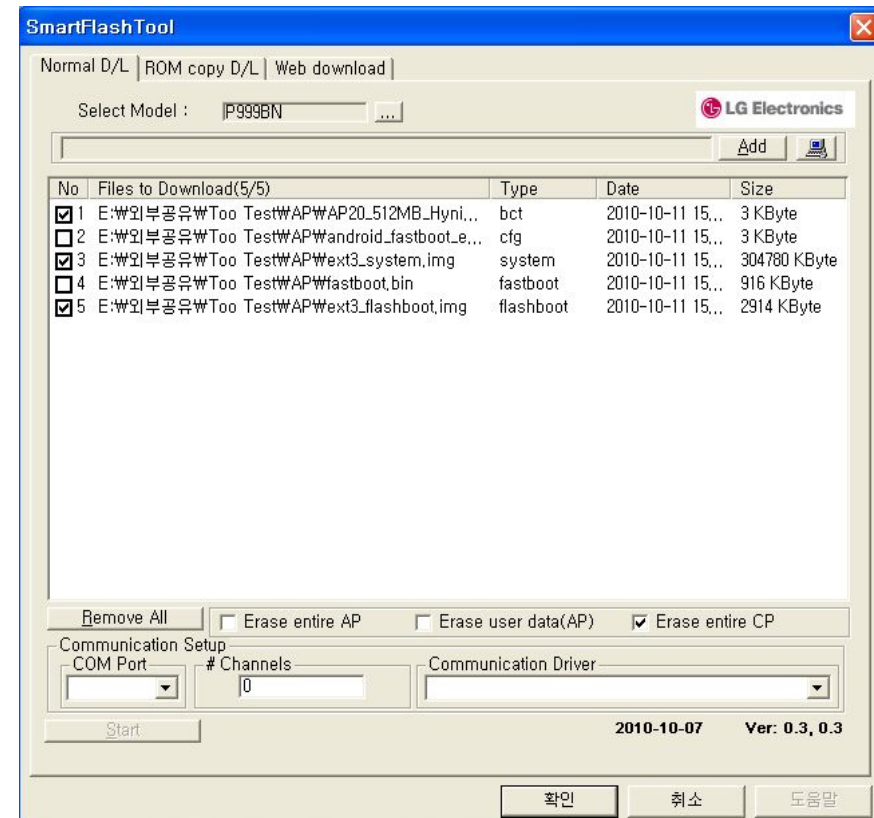
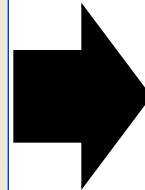
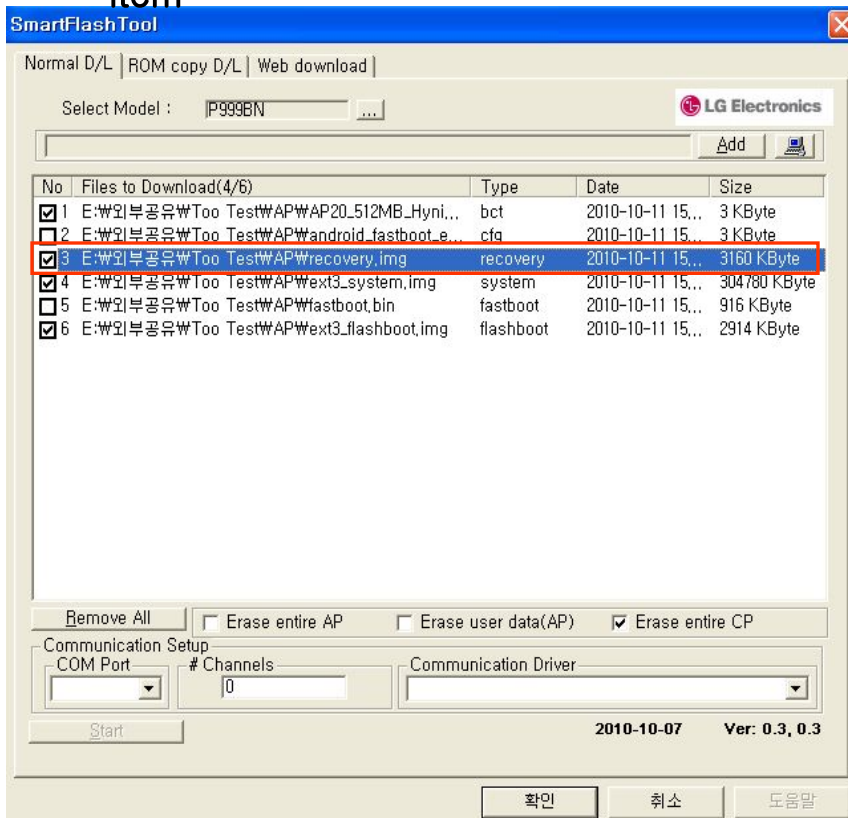
Tool tip

1. You can select download items that you want to download using check.



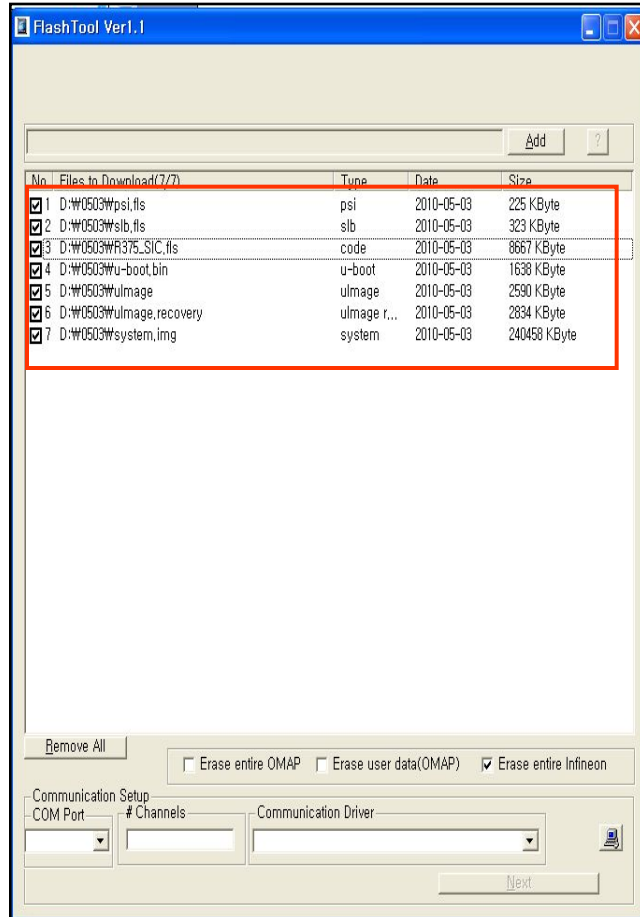
Tool tip

2. You can delete specific download item using 'del' key (In window keyboard) after selecting specific item

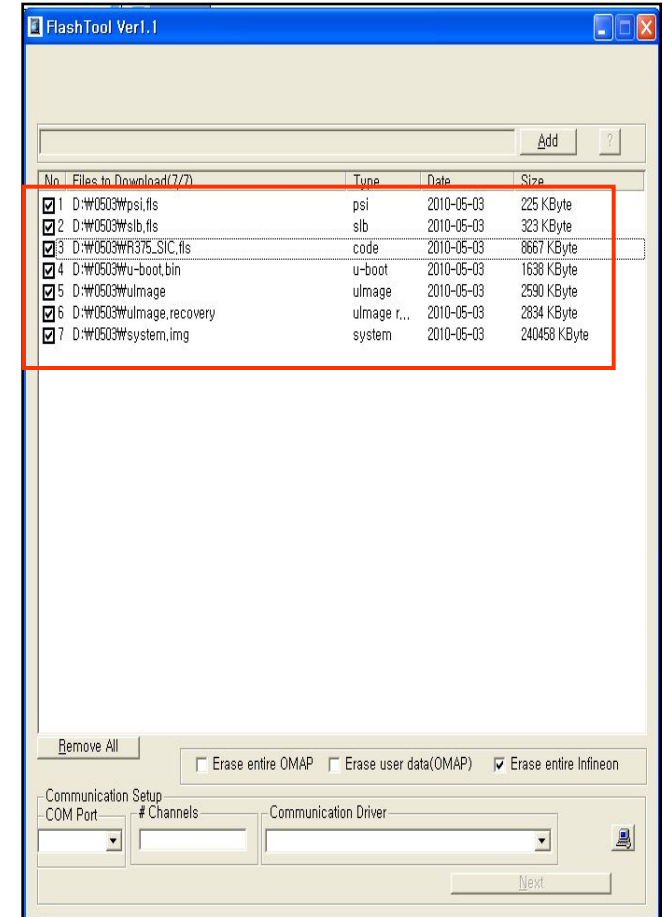


Tool tip

3. Flashtool provides history function



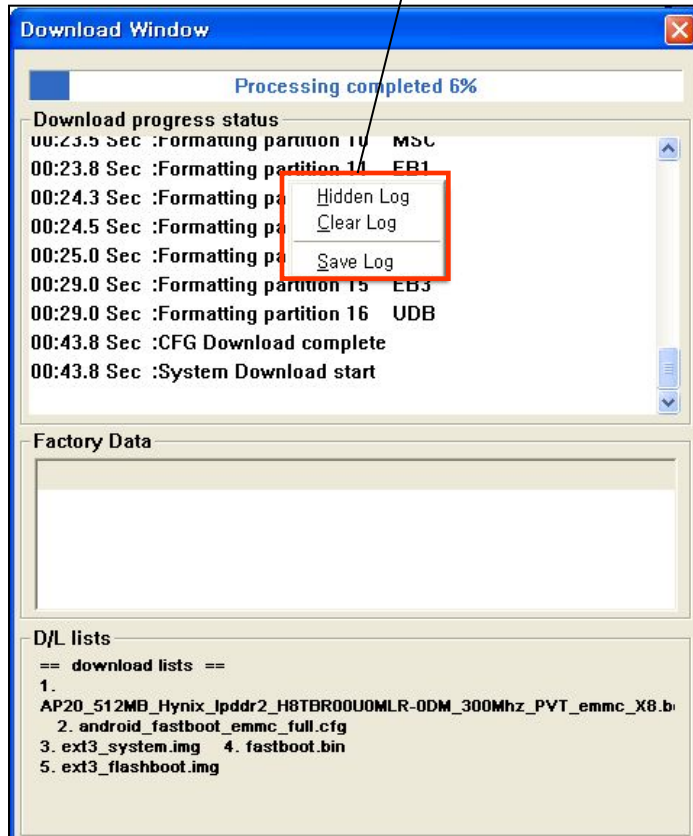
Restart FlashTool



※ Flashtool always conserve download lists

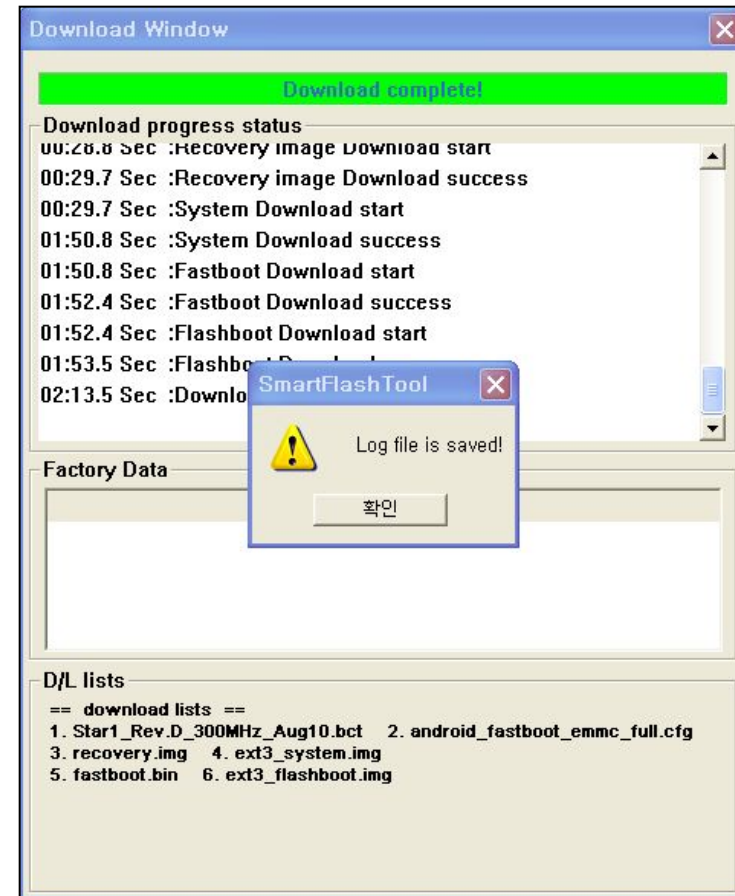
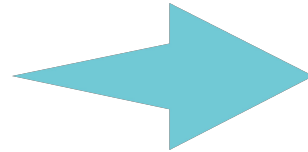
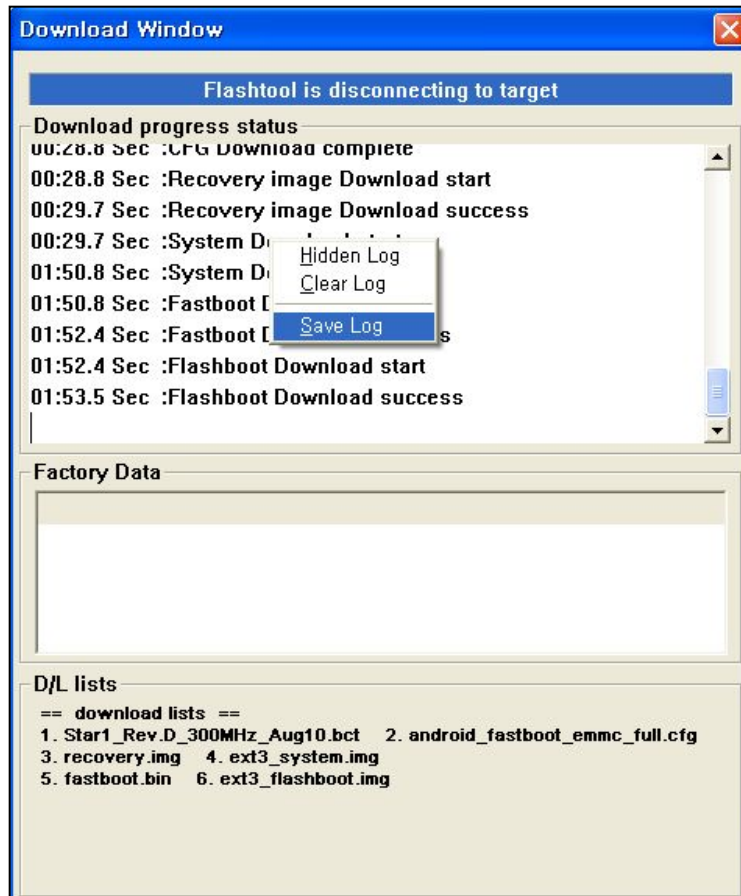
Tool tip

5. If you want to hidden log message, You can select mouse right button.



Tool tip

6. If you want to save log message, You can select mouse right button.



Tool tip

| 이름 | 크기 | 종류 | 수정한 날짜 |
|--------------------|------|------------|--------------------|
| genericdll.dll | 68KB | 응용 프로그램 확장 | 2010-10-16 오후 2:20 |
| model.dll | 64KB | 응용 프로그램 확장 | 2010-10-16 오후 2:20 |
| SmartFlash.ini | 1KB | 구성 설정 | 2010-10-16 오후 2:20 |
| SmartFlashTool.exe | 92KB | 응용 프로그램 | 2010-10-16 오후 2:20 |
| Log.rtf | 1KB | 서식 있는 텍스트 | 2010-10-07 오후 1:32 |

Log.rtf is MS word format.
So you can see using MS
word