

# How to Update Firmware

SmartFX

2016.9.19.1551

# ST-LINK UTILITY SOFTWARE DOWNLOAD

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[http://www.st.com/content/st\\_com/en/products/embedded-software/development-tool-software/stsw-link004.html](http://www.st.com/content/st_com/en/products/embedded-software/development-tool-software/stsw-link004.html)

페이지 하단 확인

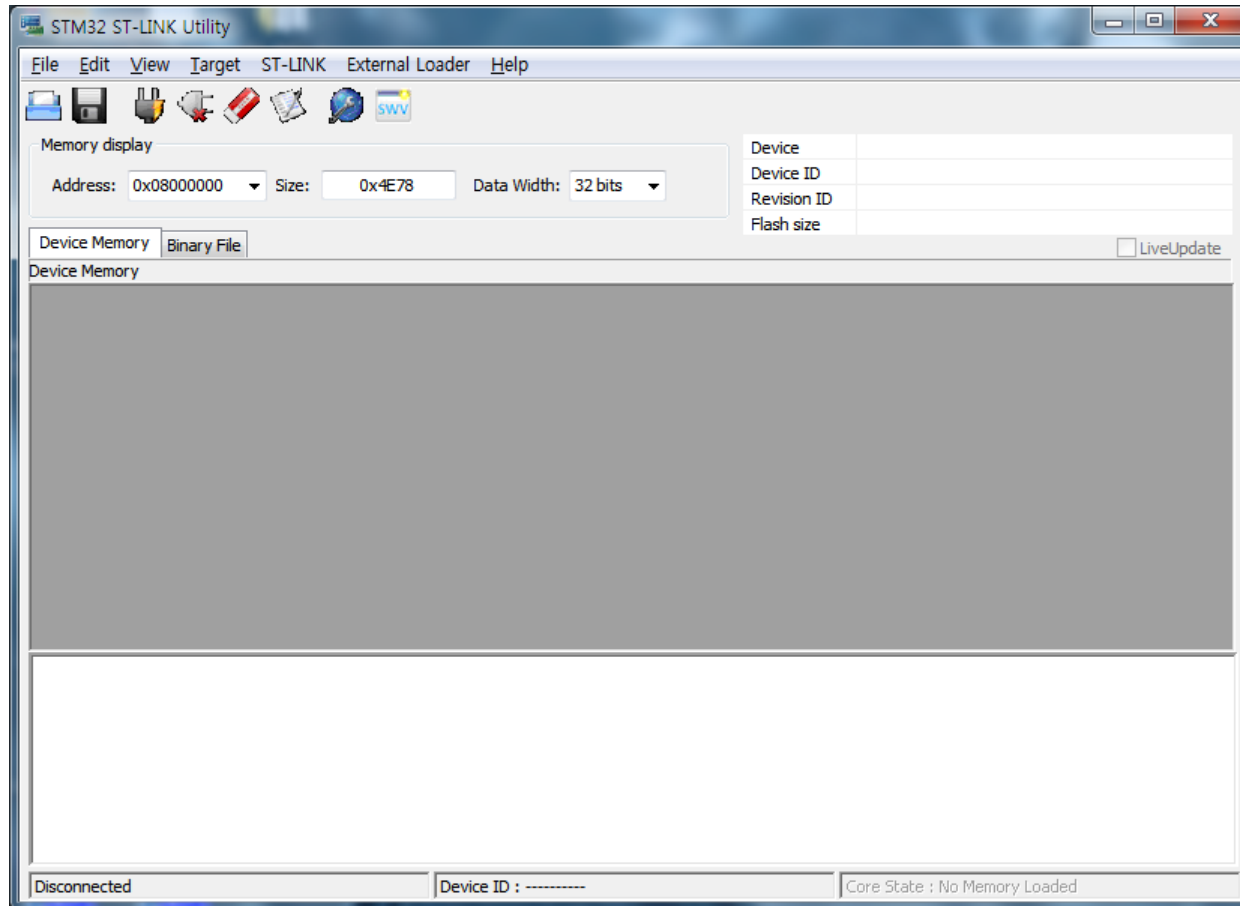
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## GET SOFTWARE

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Part Number ▲	Software Version ▼	Marketing Status ▼	Supplier ▼	Order from ST ▼
STSW-LINK004	3.9.0	Active	ST	<a href="#">Get Software</a>

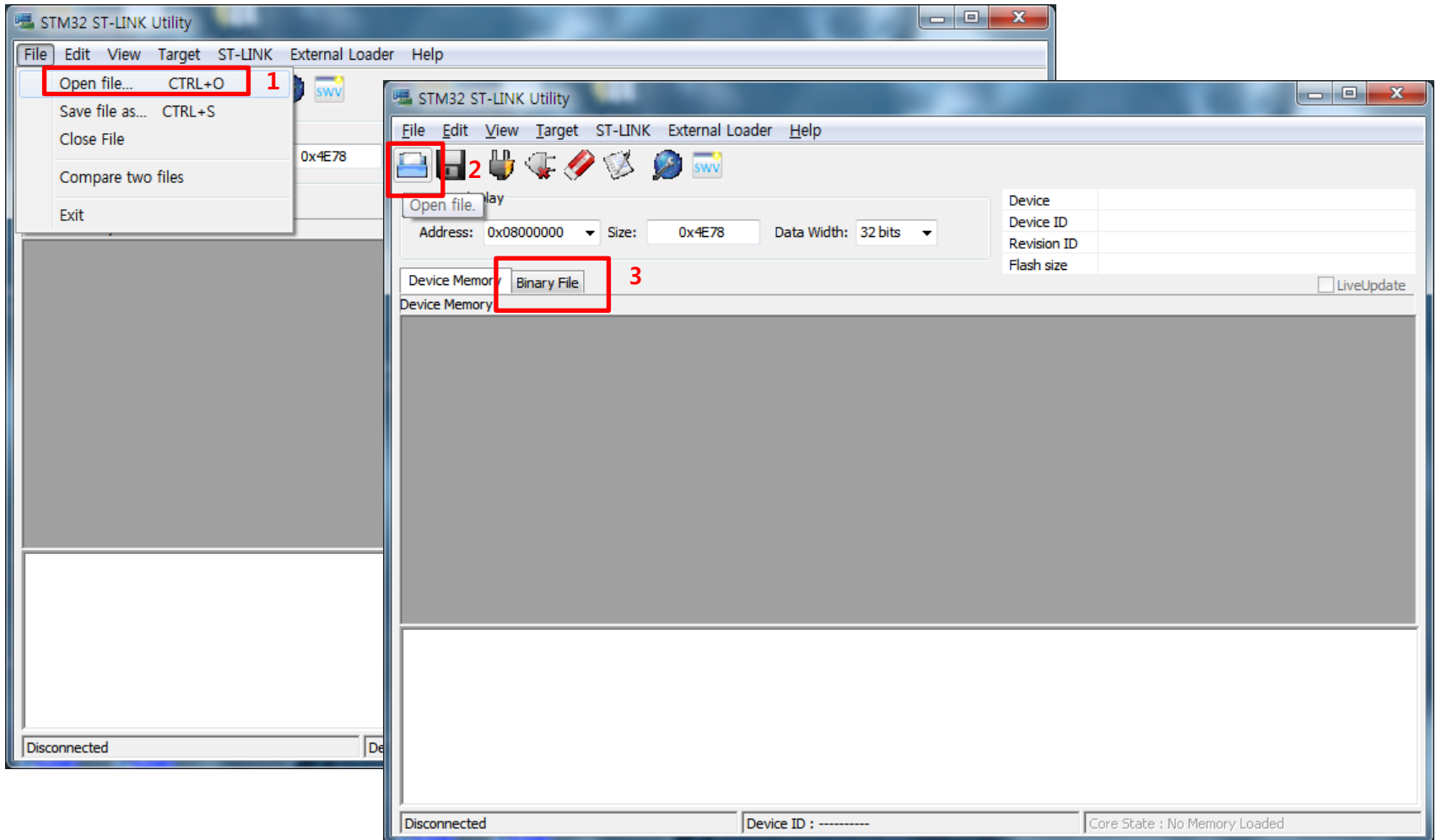
# ST-LINK Utility 실행



## Resource > File Load #1/2

방법(3가지 중 1택)

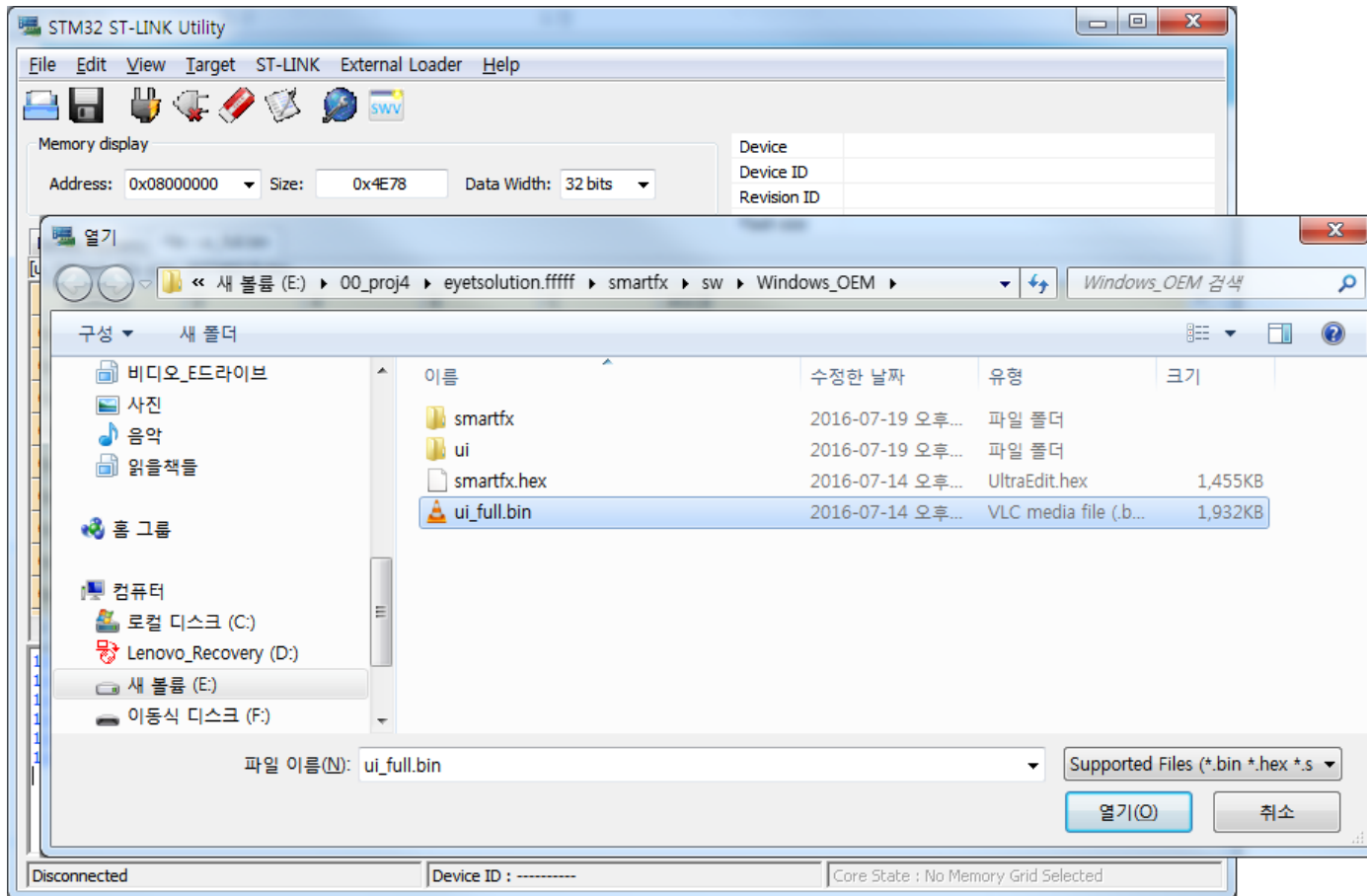
1. File->Open File...(CTRL+O) 선택
2. Toolbar에서 첫번째 항목 선택
3. Binary File Tab 선택



## Resource > File Load #2/2

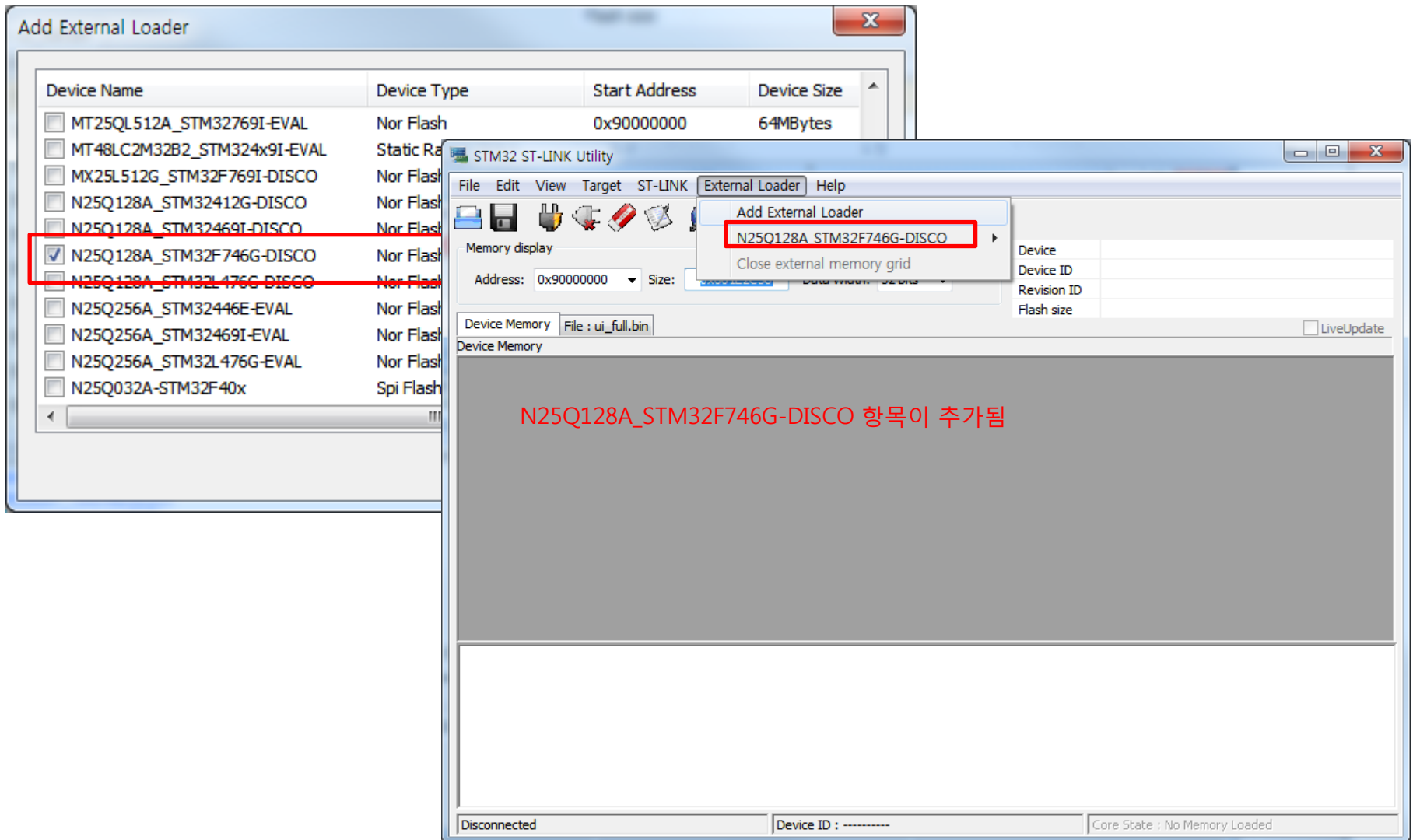
ui\_full.bin 선택 -> 열기

※ 파일 이름은 변경될 수 있음



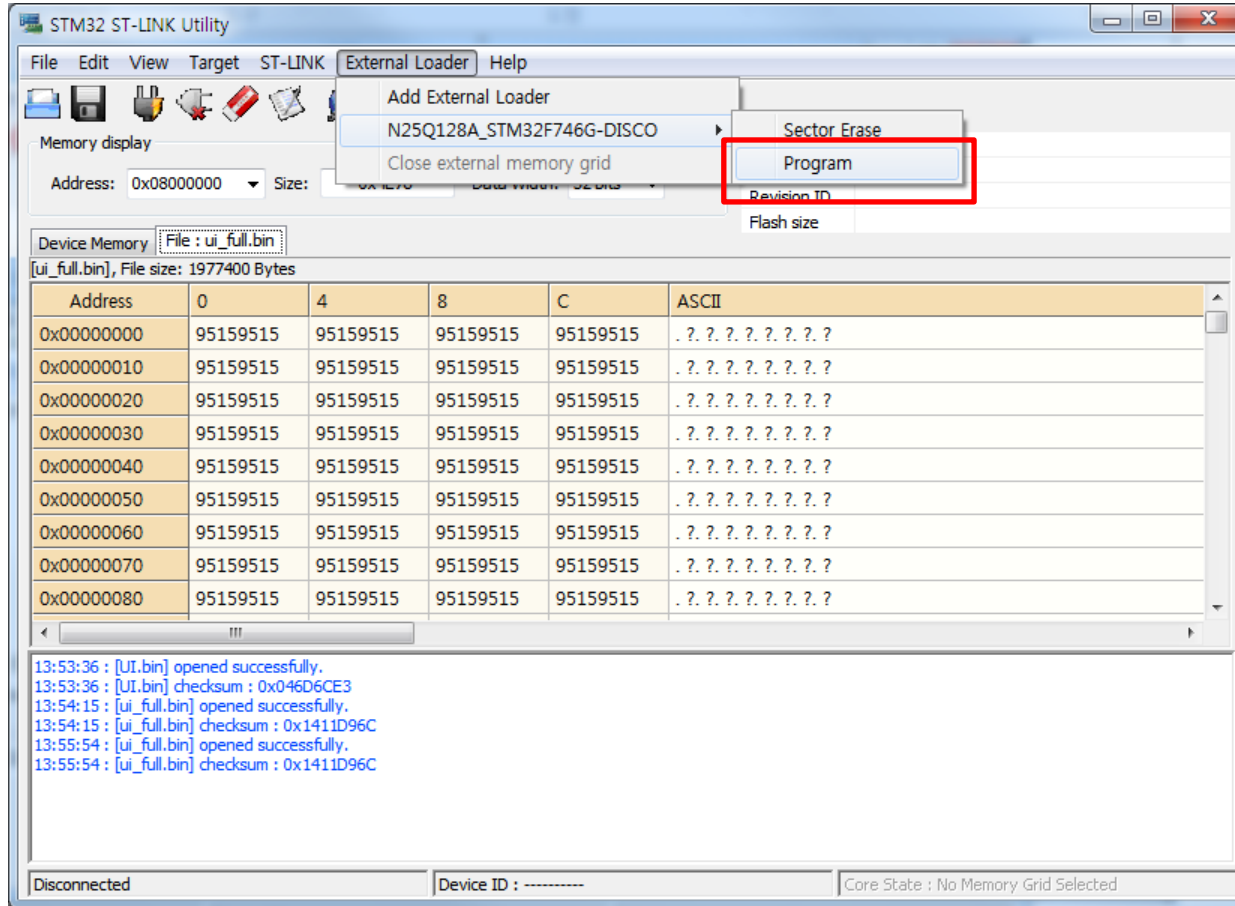
## Resource > File Flashing(Write) #1/4

1. External Loader 추가 : External Loader -> Add External Loader 항목 선택
2. 한번만 설정하면 됨(프로그램 재실행시 이전 설정이 저장되어 있음)



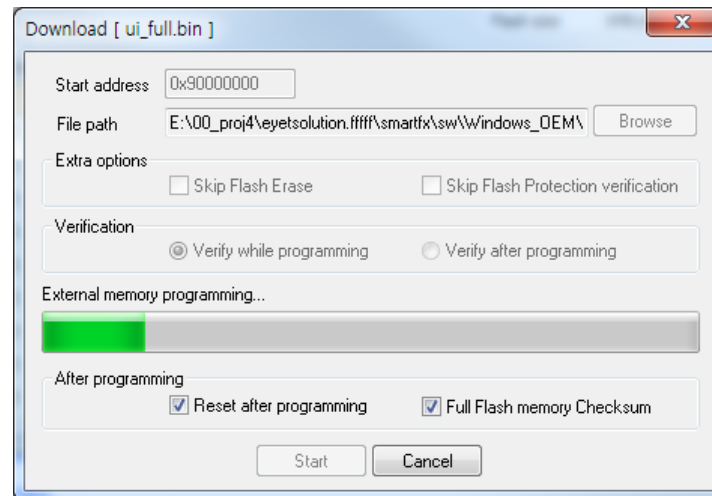
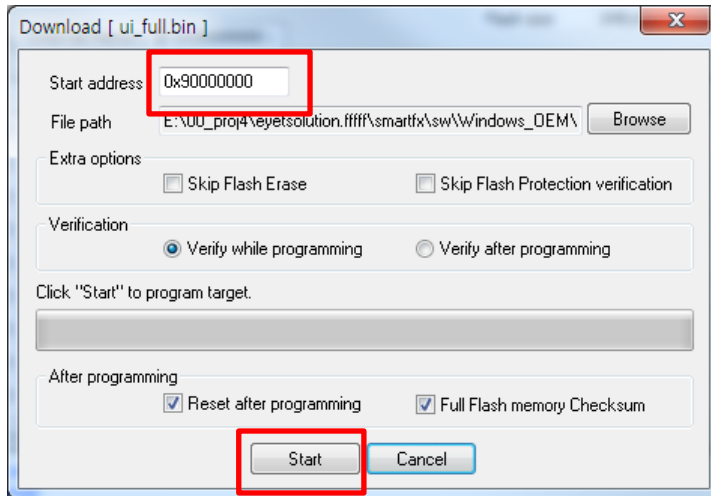
## Resource > File Flashing(Write) #2/4

1. Resource File 쓰기 : External Loader -> N25Q128A\_STM32F746G\_DISCO -> Program
2. **Writing 전 Power Switch를 계속 누르고 있어야 함(내용 확인 후 Power Switch Off).**



## Resource > File Flashing(Write) #3/4

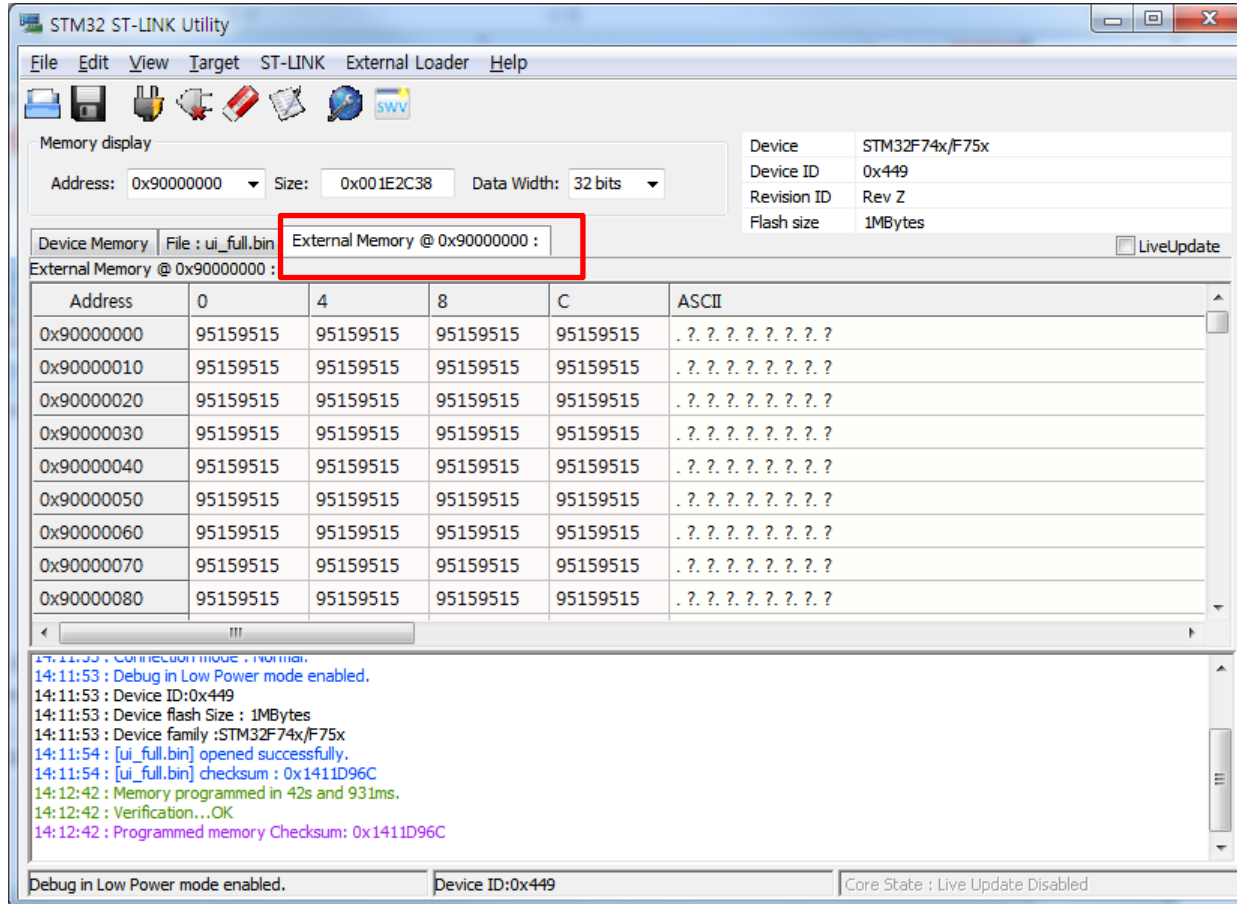
1. Start Address 확인 : 0x90000000





## Resource > File Flashing(Write) #4/4

1. Writing 완료 후 화면
2. Power Switch를 계속 누르고 있어야 내용 확인 가능(Power Switch Off시 ST-LINK 연결 끊김)
3. Power Switch Off되고 ST-LINK 연결이 끊기면 **External Memory** 내용 확인 불가

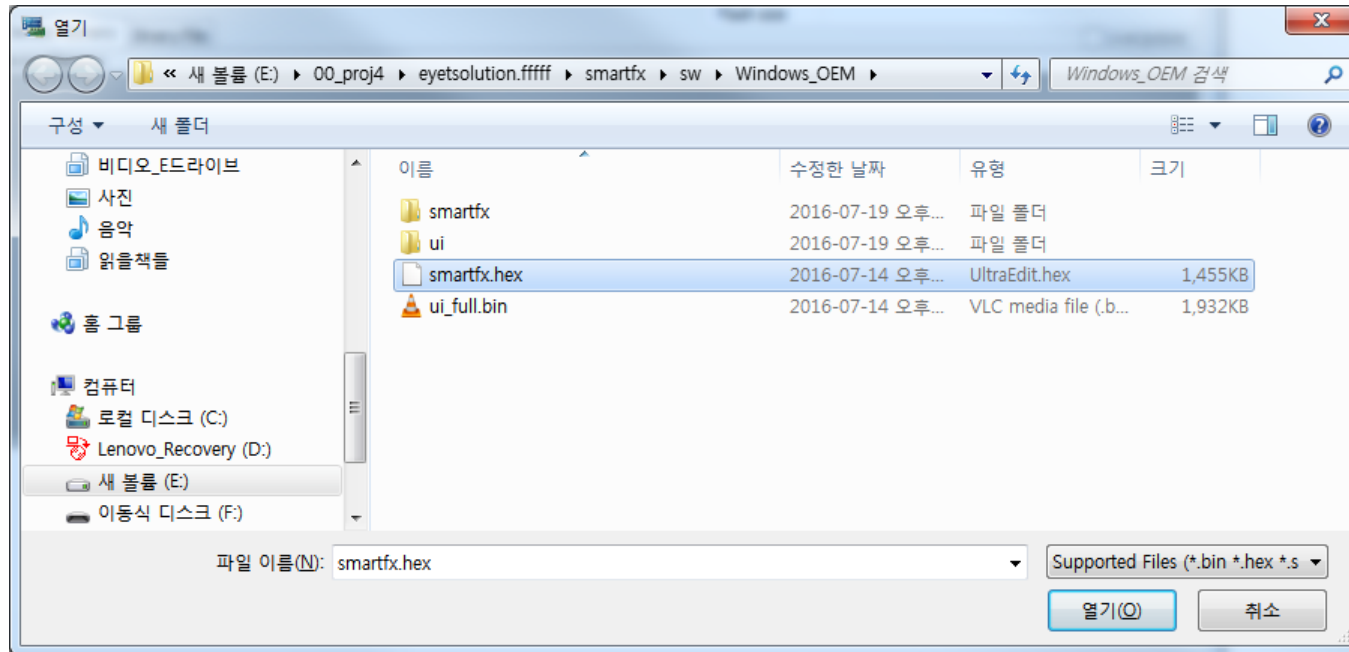


## Firmware > Load #1/2

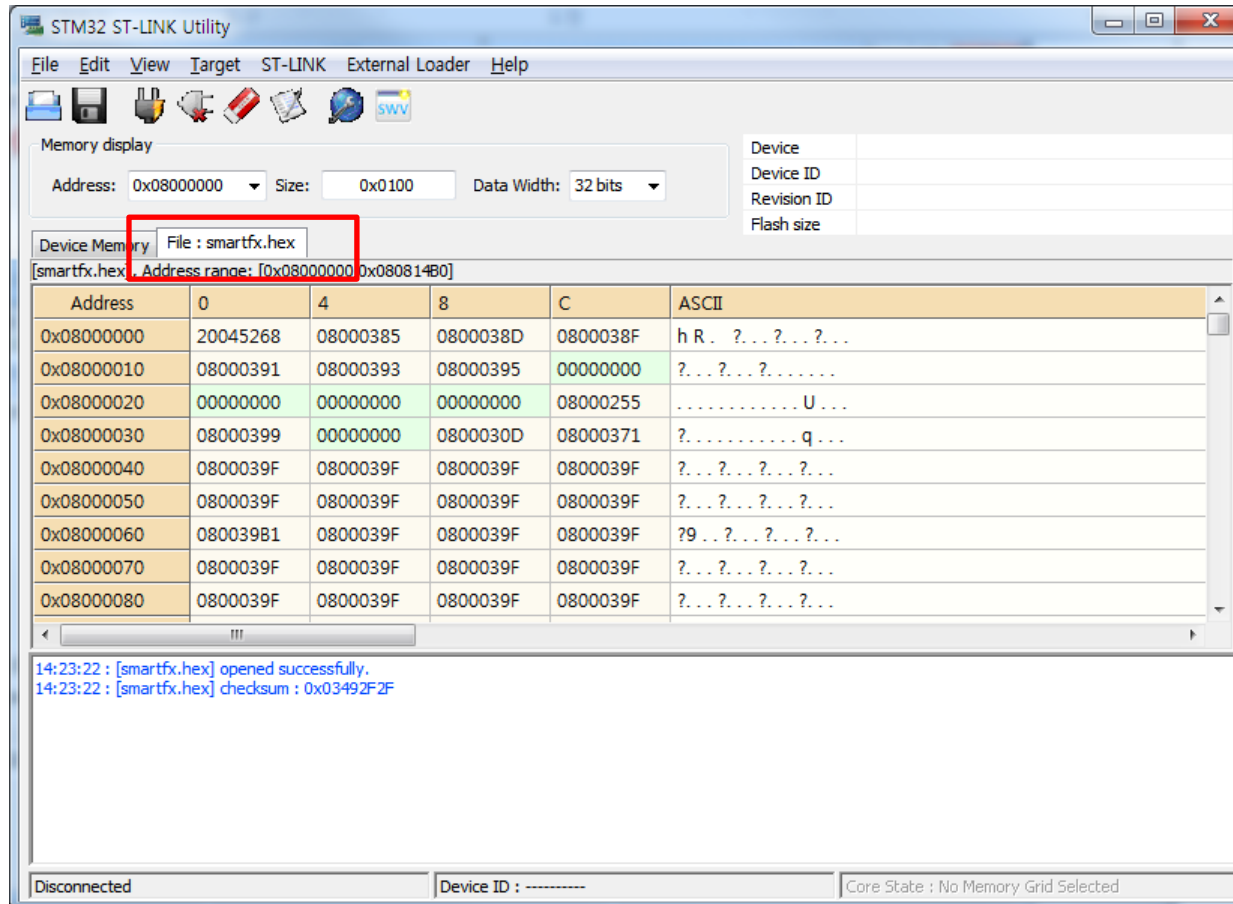
방법(3가지 중 1택) → Resource File Load와 방법은 동일

1. File->Open File...(CTRL+O) 선택
2. Toolbar에서 첫번째 항목 선택
3. Binary File Tab 선택

smartfx.hex 파일 Load(파일이름은 변경될 수 있음)



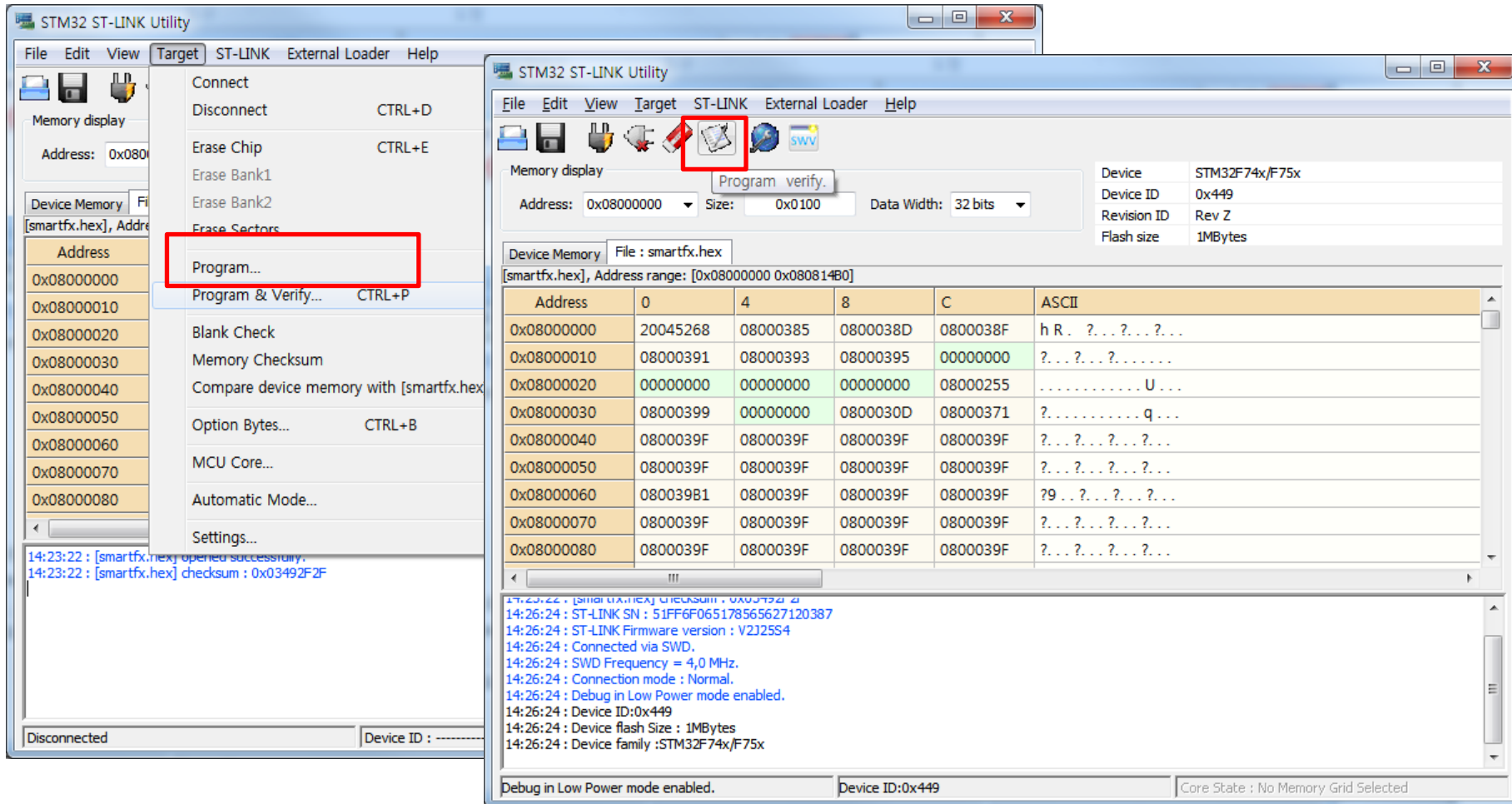
## Firmware > Load #1/2



## Firmware > File Flashing(Write) #1/3

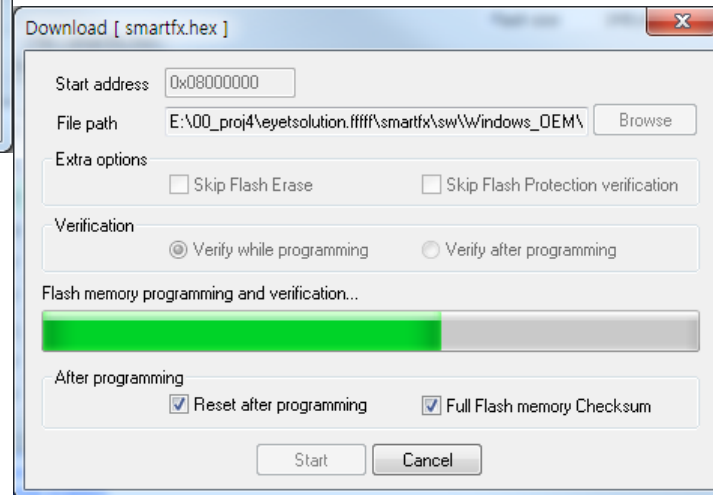
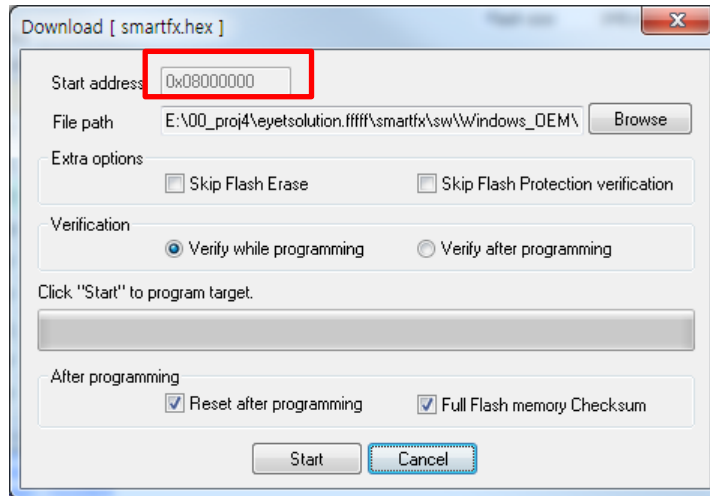
방법 (2가지 중 1택)

1. Target -> Program & Verify... (CTRL+P) 선택
2. Toolbar에서 7번째 항목 선택
3. **Writing 전 Power Switch를 계속 누르고 있어야 함(내용 확인 후 Power Switch Off).**



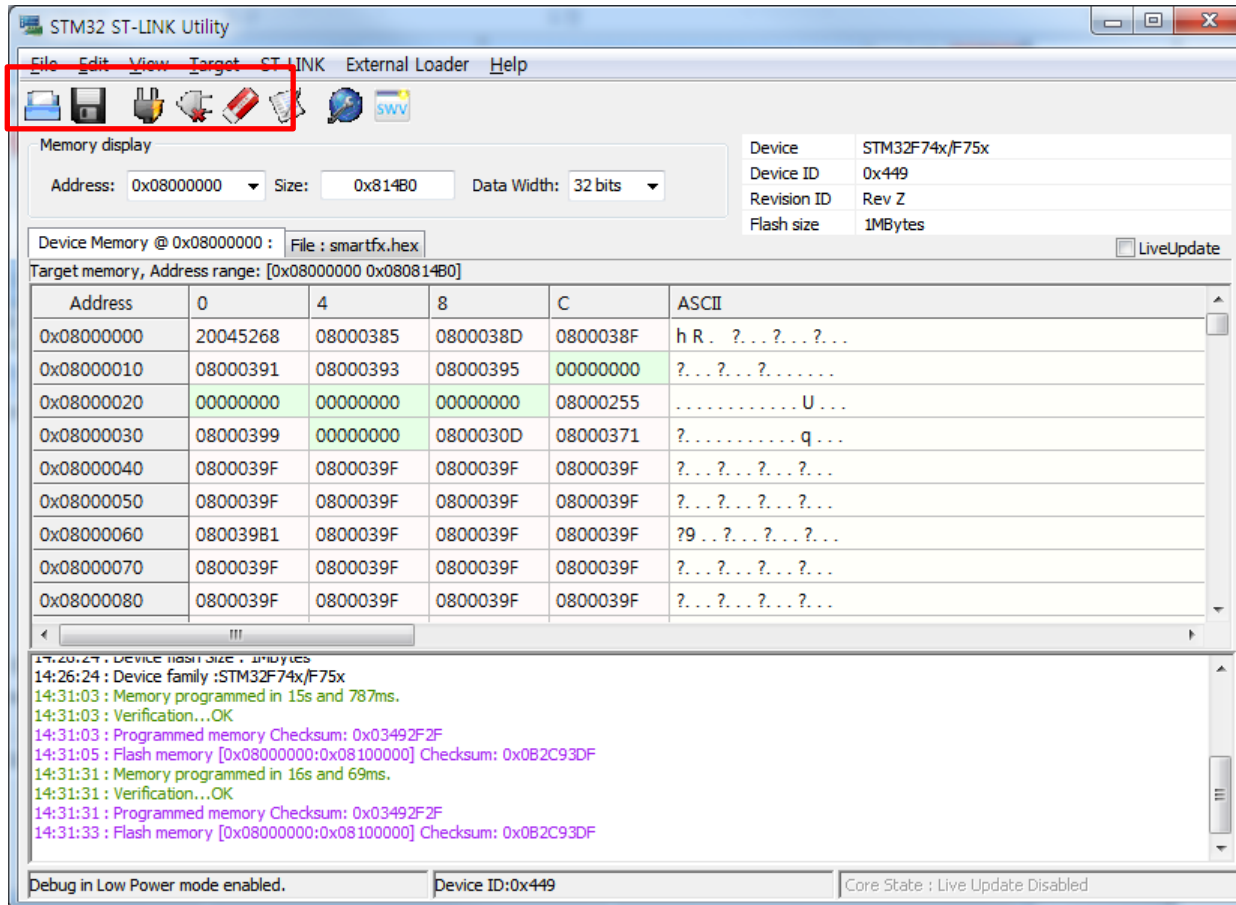
## Firmware > File Flashing(Write) #2/3

1. Start Address 확인 : 0x80000000



## Firmware > File Flashing(Write) #3/3

1. Writing 완료 후 화면
2. Power Switch를 계속 누르고 있어야 내용 확인 가능(Power Switch Off시 ST-LINK 연결 끊김)
3. Power Switch Off되고 ST-LINK 연결이 끊기면 **Device Memory** 내용 확인 불가



# Update 준비 작업 및 동작 확인

1. ST-LINK/V2 구매 : <http://www.devicemart.co.kr/27492>
2. 핀번호 체크하고 SWD 케이블 연결

