

1. 인터넷이 가능한 경우

인터넷이 가능하든 불가능하든 첫 설치에 인터넷이 필요하고 둘 다 하긴 해야함

VIEW

• 전체 • 블로그 • 카페

제타의 AIoT 나들이 | 2022.07.09.

USB 케이블만으로 STM32CubeProgrammer 사용

com/en/development-tools/stm32cubeprog.html에 등록하고 STM32CubeProgrammer를 설치하였다. 그리고 "Next" 만... RUN mode RUN 모드로 부팅하고 odriveto...

| STLinkv2 연결하여 STM32CubeProgrammer 사용



글읽고 쓰는 엔지니어 | 2021.12.10.

ST LINK V2 Firmware update 방법(STM32 CubeProgrammer)

STM32 CubeProgrammer사용자 STM32 CubeProgrammer를 실행합니다. 그리고 위 그림의 "Firmware upgrade"를 클릭합니다. 위와 같은 화면이 나오면 "Refresh d...



당근이의 AVR 갖구 놀기 | 2023.02.08.

STM32CubeProgrammer mcu 용량

안녕하세요 STM32CubeProgrammer를 가지고 mcu용량은 512KB 인데 SIZE 를 10 24KB로 설정 하고 읽으면 읽어지고 심지어 80FFFF 번지가 Write 가되고 심지어 ...



RE 103중엔 그런 녀석이 많은데 412도 그런가 보네요.^^

RE 412RG를 생산했는데 상위 어드레스에만 불량이 났다면 이렇게 처리하기도 합니다.

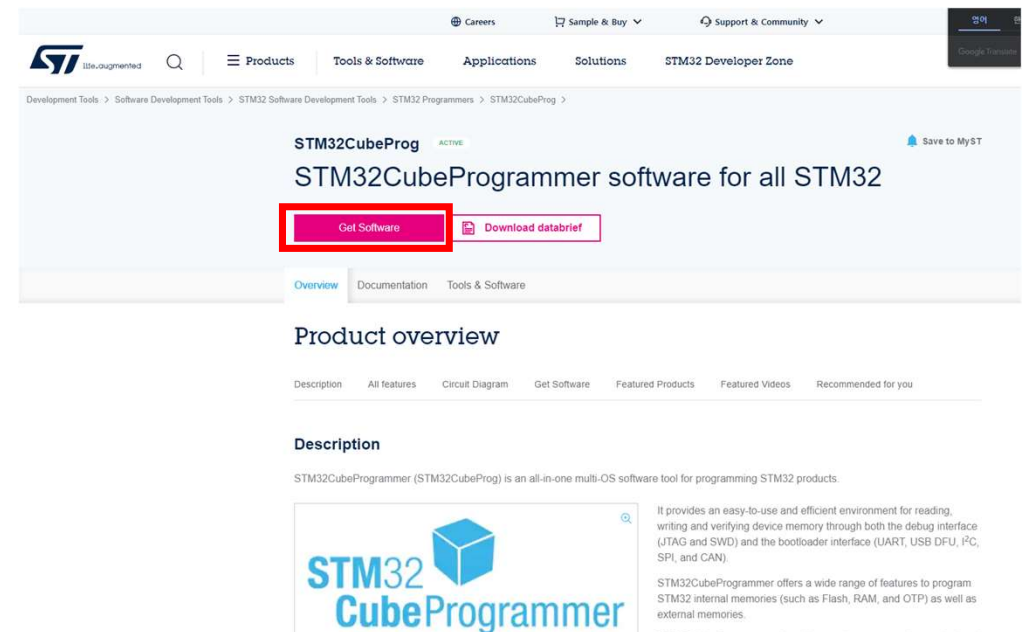
STM32 CubeProgrammer 질문

STM IDE 설치 오류

네이버에 STM32Cube Programmer 를 검색



위의 이미지를 참고해서 사이트 접속



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Get Software

	Part Number ▲	General Description	Latest version	Download	All versions
+	STM32CubePrg-Lin	STM32CubeProgrammer software for Linux	2.14.0	Get latest	Select version ▼
+	STM32CubePrg-Mac	STM32CubeProgrammer software for Mac	2.14.0	Get latest	Select version ▼
+	STM32CubePrg-Win32	STM32CubeProgrammer software for Win32	2.14.0	Get latest	Select version ▼
+	STM32CubePrg-Win64	STM32CubeProgrammer software for Win64	2.14.0	Get latest	Select version ▼

OS에 맞춰 설치(일반적인 노트북이나 피씨일 경우 위의 빨간 박스 누르면 됨)

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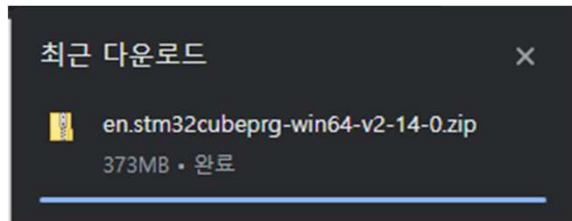
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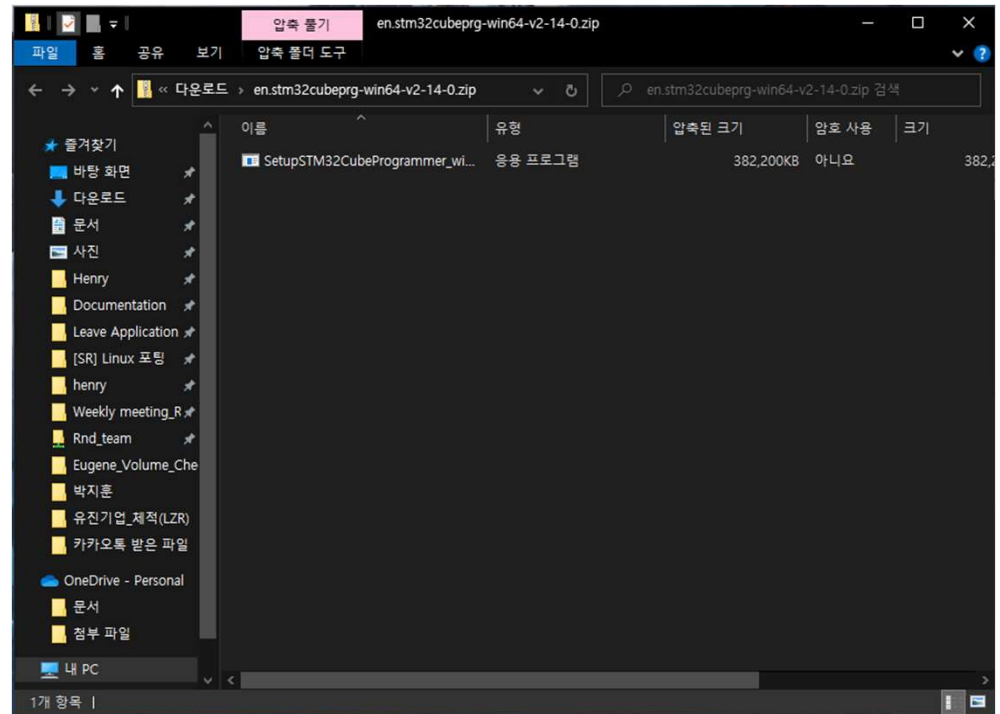
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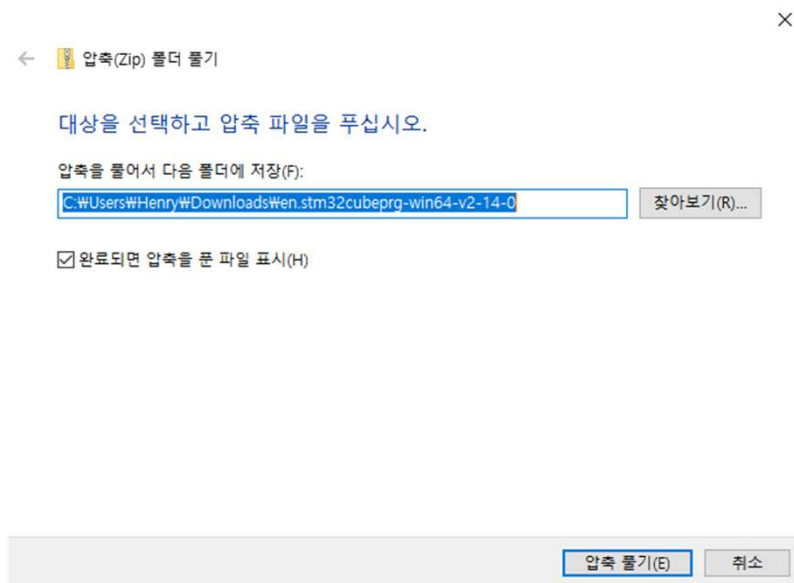
회원가입해서 로그인



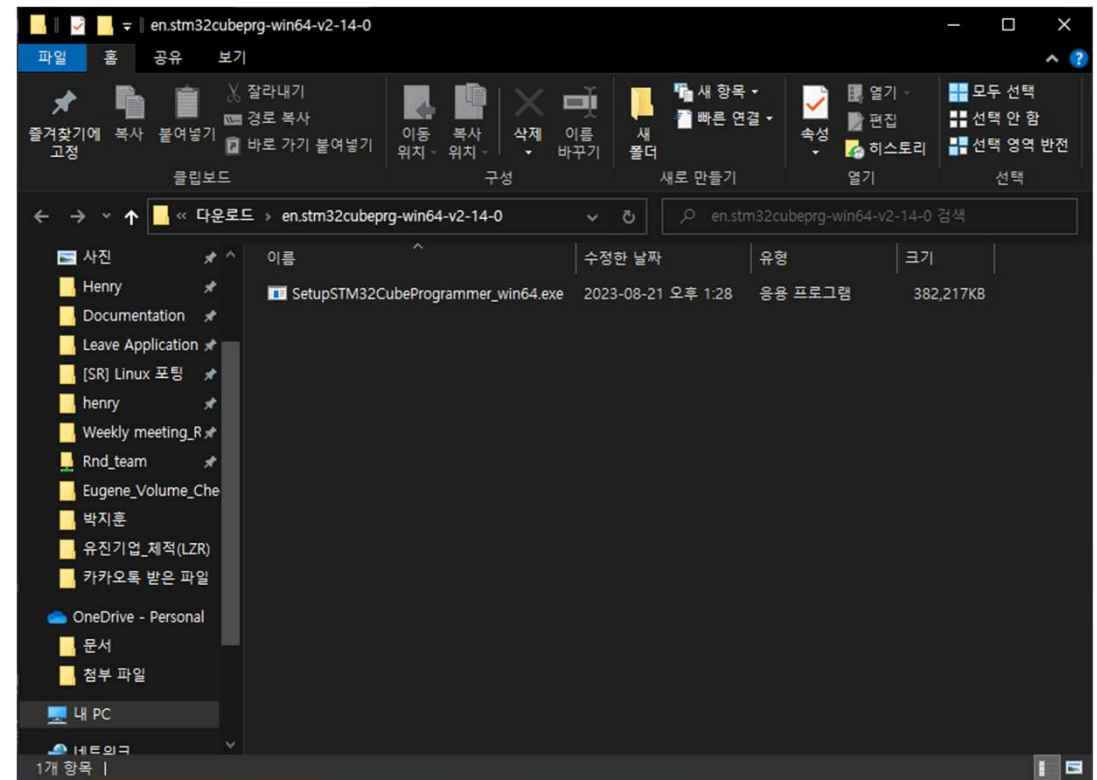
프로그램 다운



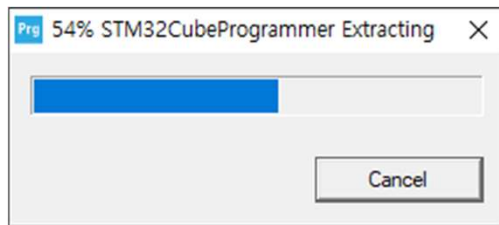
압축 풀기



압축풀기



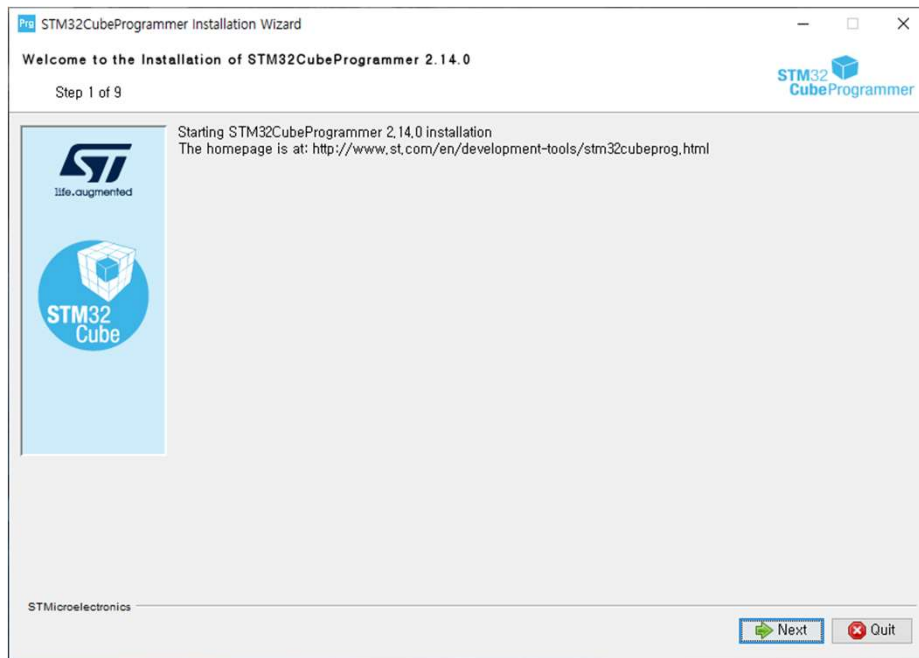
프로그램 실행



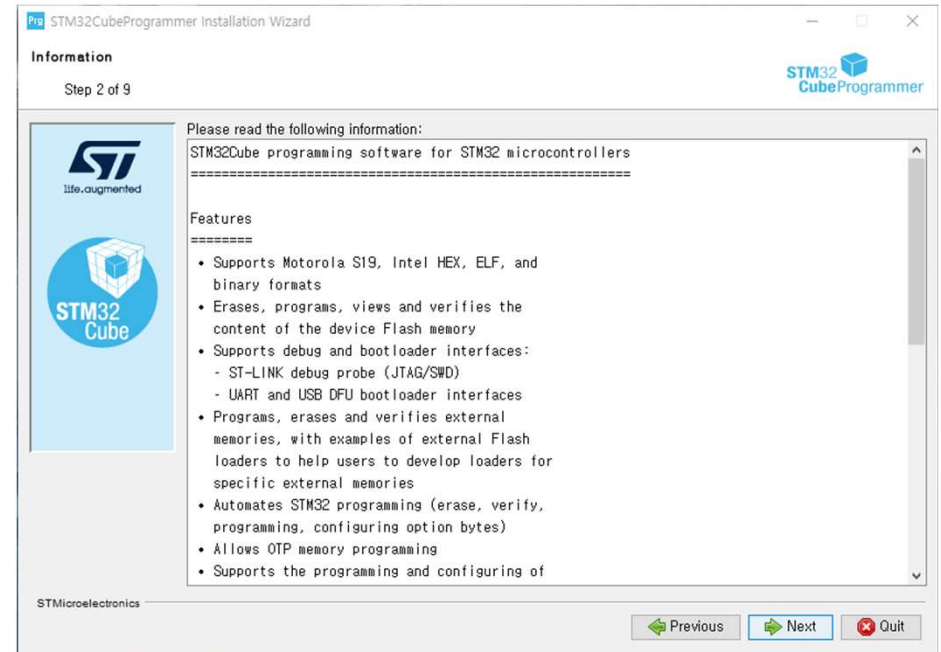
설치프로그램 로딩 중..



설치프로그램 로딩화면



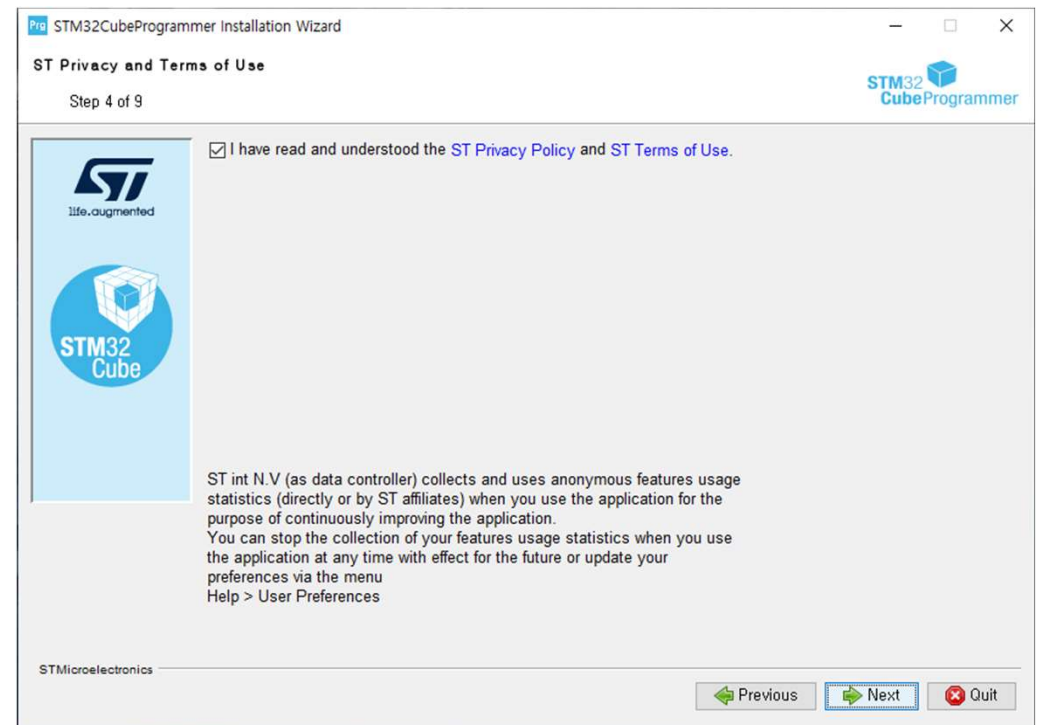
다음



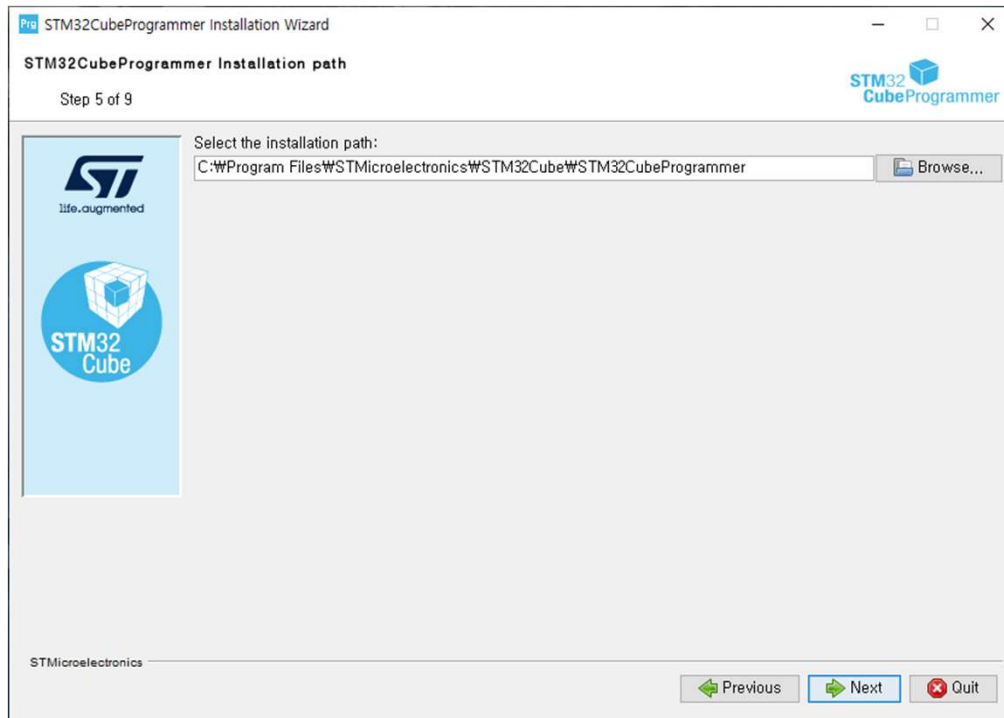
다음



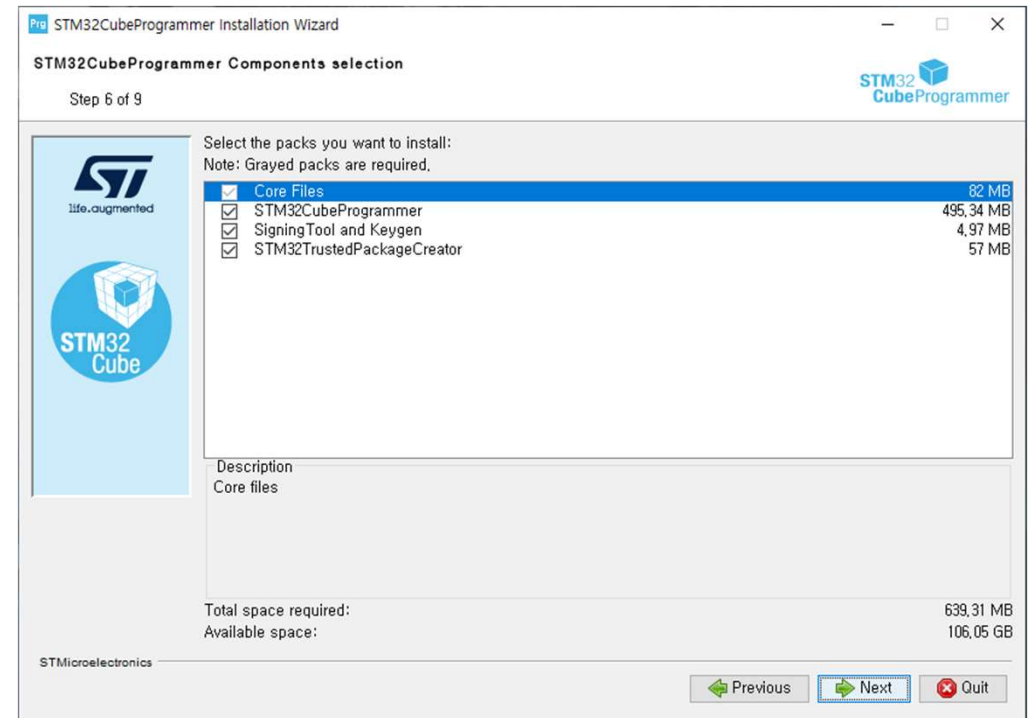
동의하고 다음



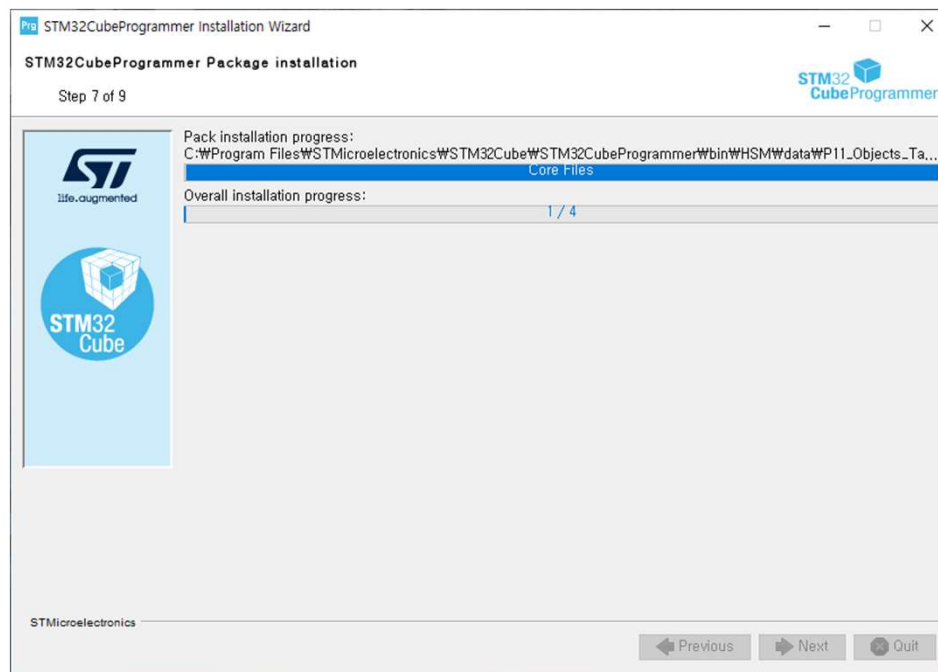
다음



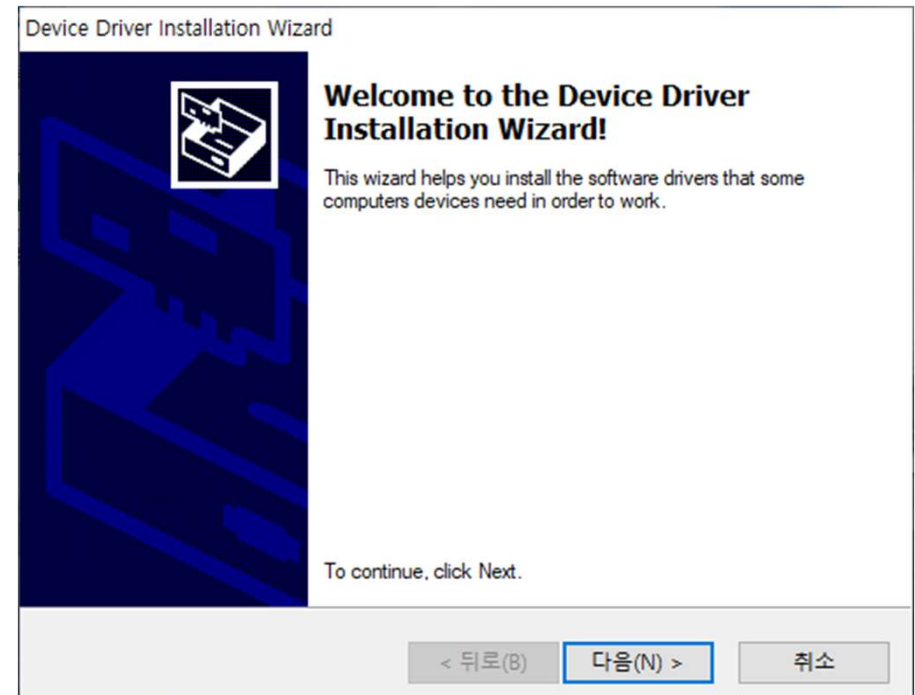
설치할 경로 정하고 다음



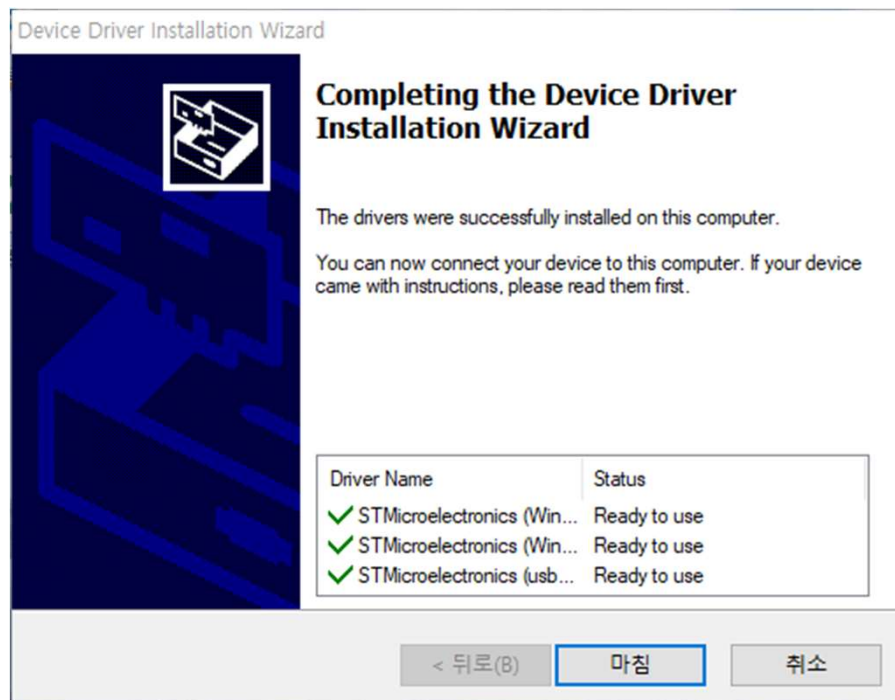
다음



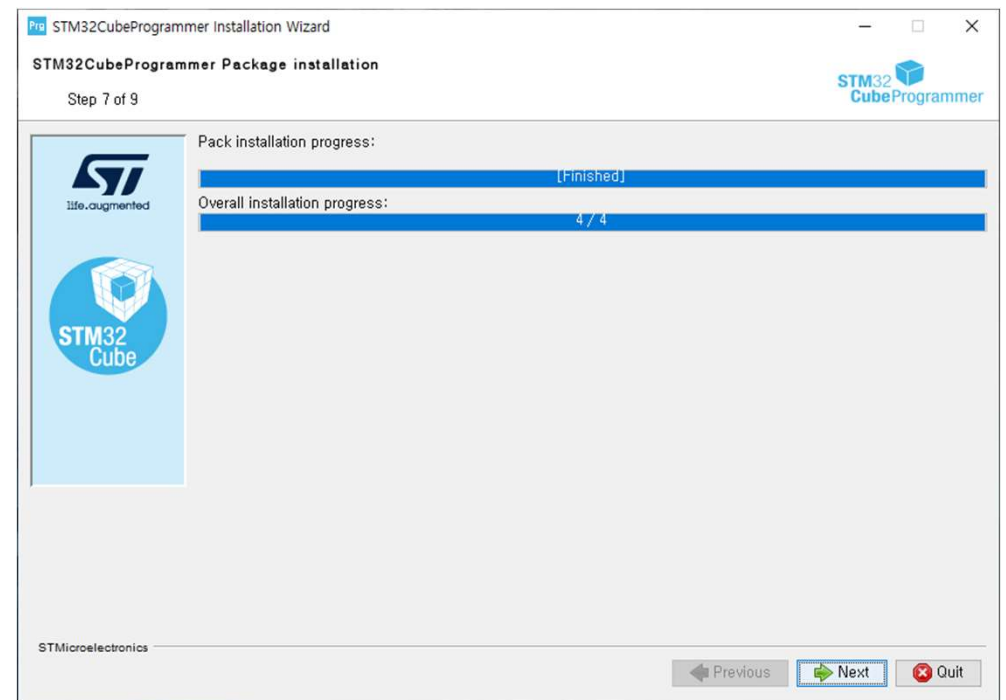
설치 중



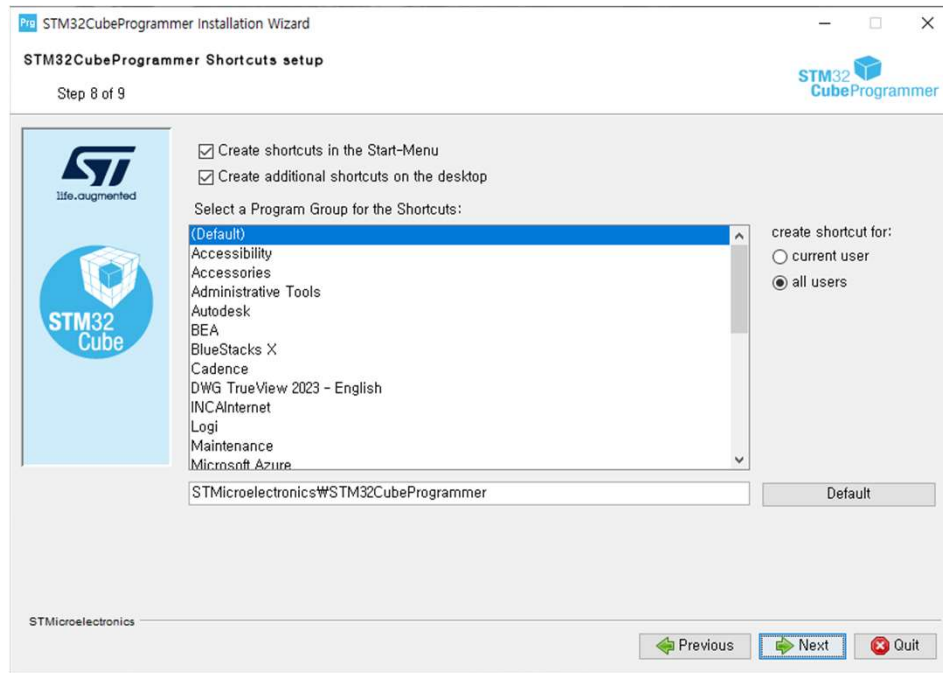
드라이버 설치(자동으로 뜸)



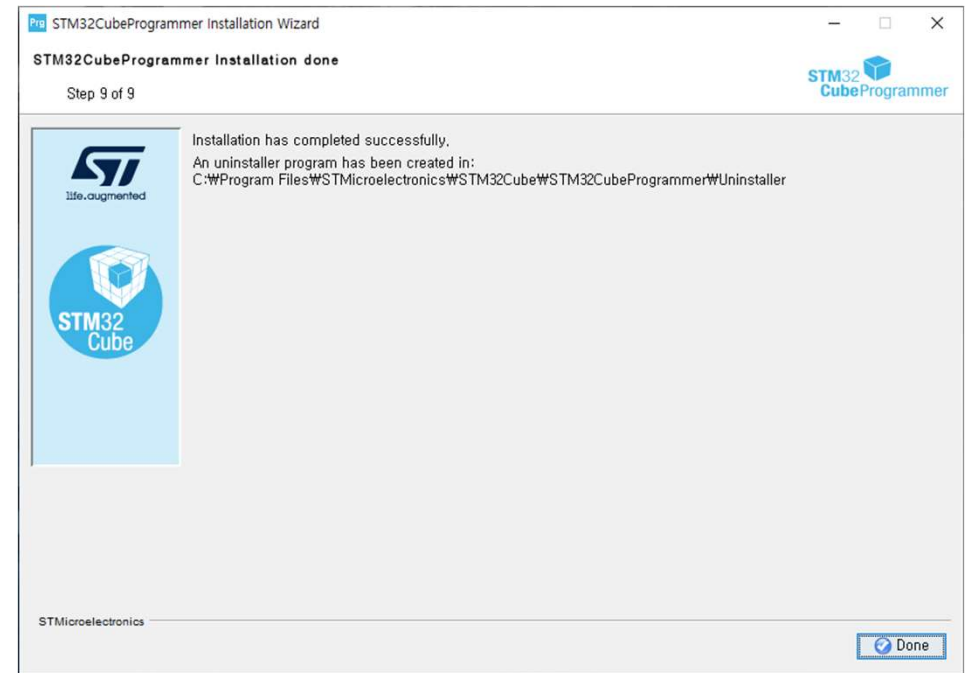
드라이버 설치 마침



다음



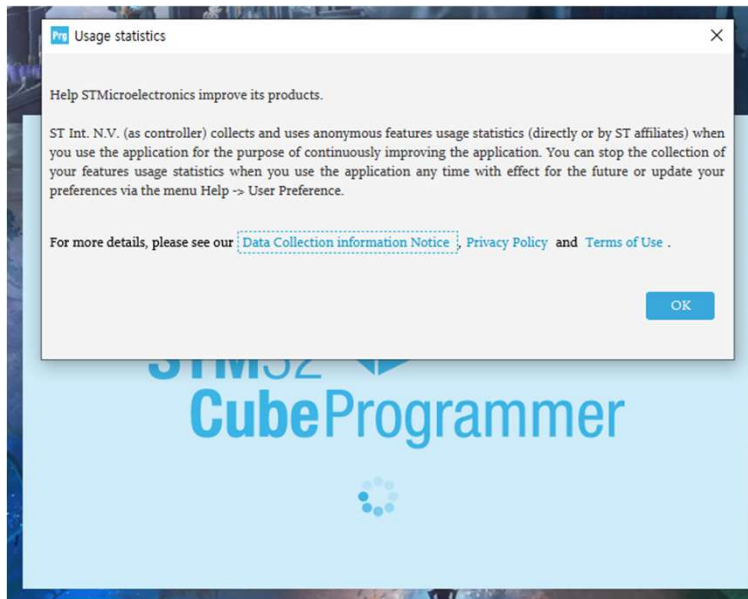
다음



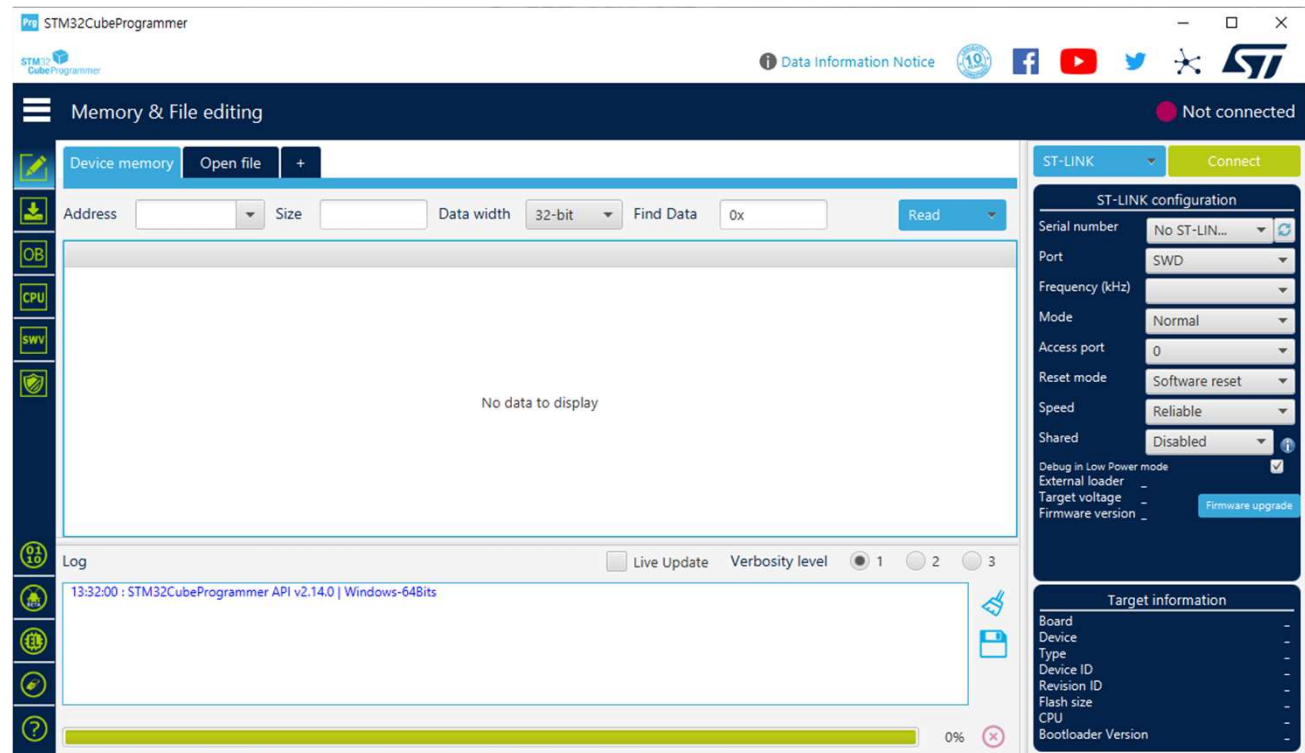
마침



배경화면에 아이콘이 뜸



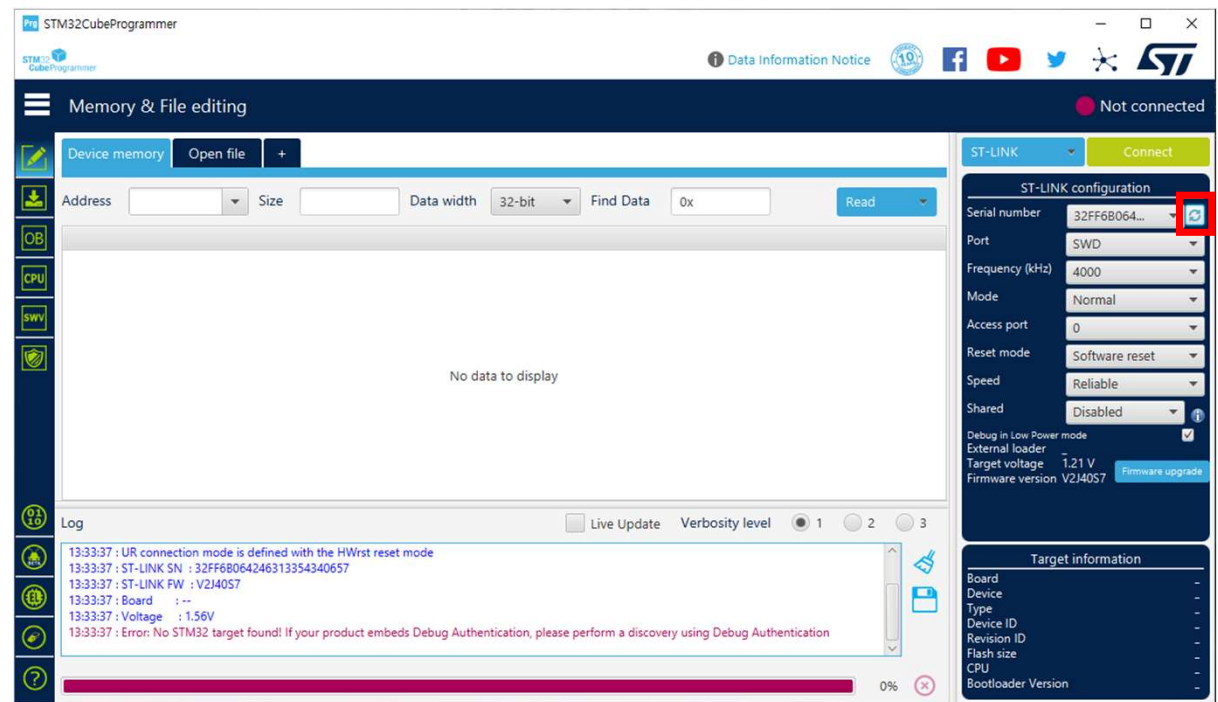
정책 동의



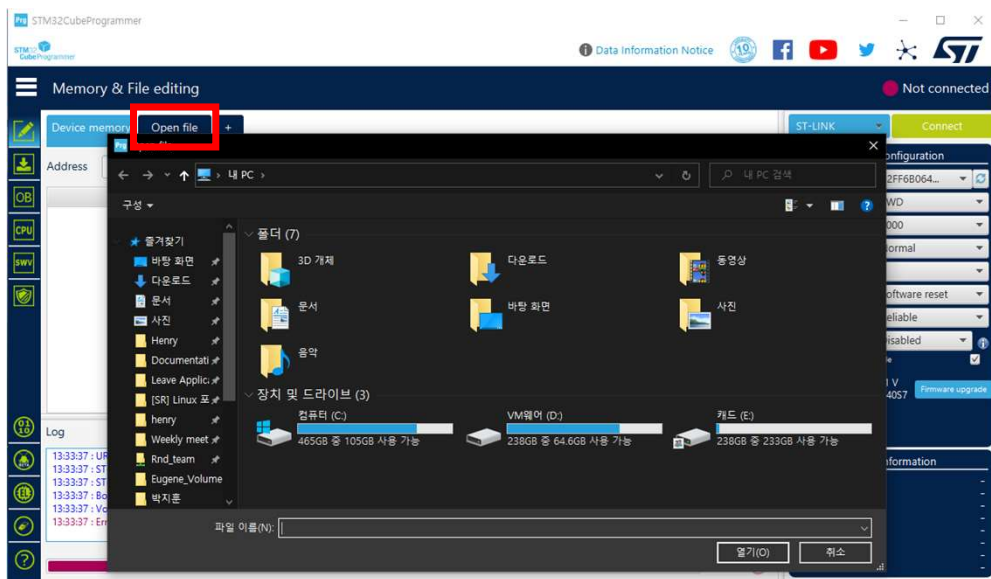
프로그램이 실행됨



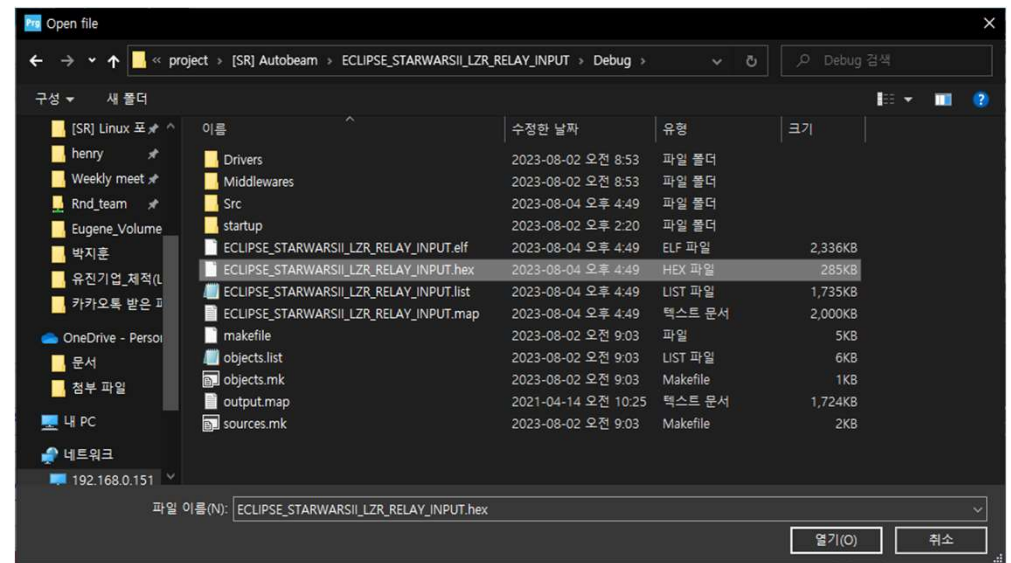
다운로더를 컴퓨터에 꽂고



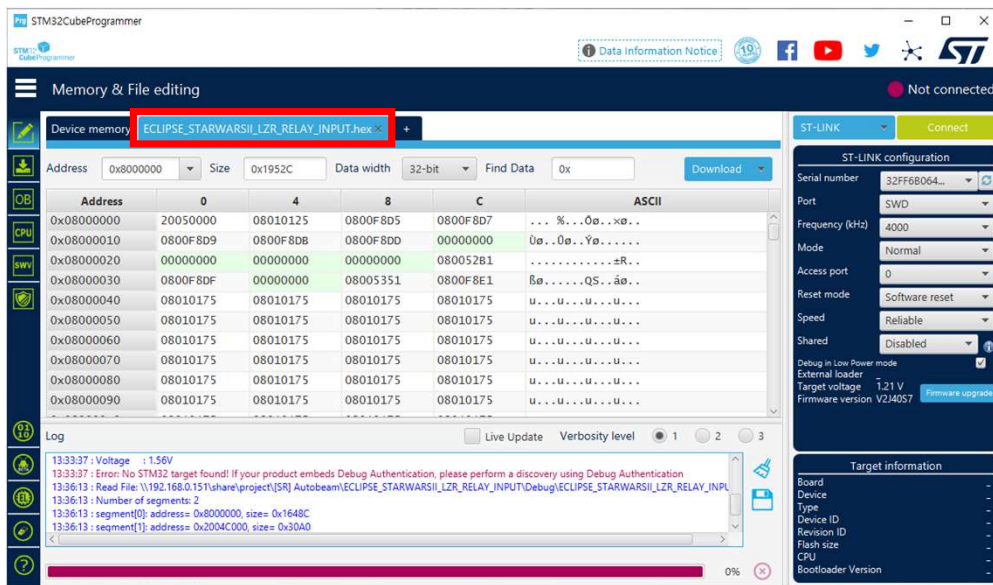
빨간 박스의 새로 고침을 클릭 하면 옆의 시리얼 넘버에 무언
가 나타나야 정상동작임



Open file을 누르면 위와같이 파일선택이 뜬



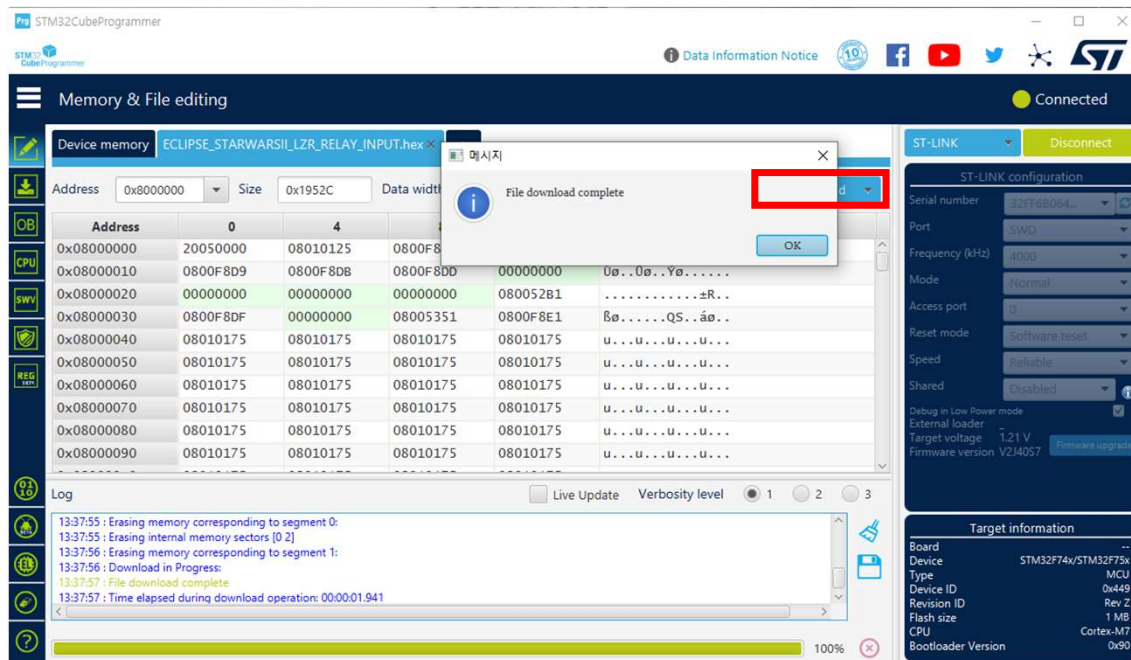
다운받아야할 프로그램의 hex파일 선택



프로그램 창에 해당 파일이 뜨면



보드에 다운로드를 켜고 전원 인가



전원을 인가 후 다운로드 버튼을 클릭해서 다운



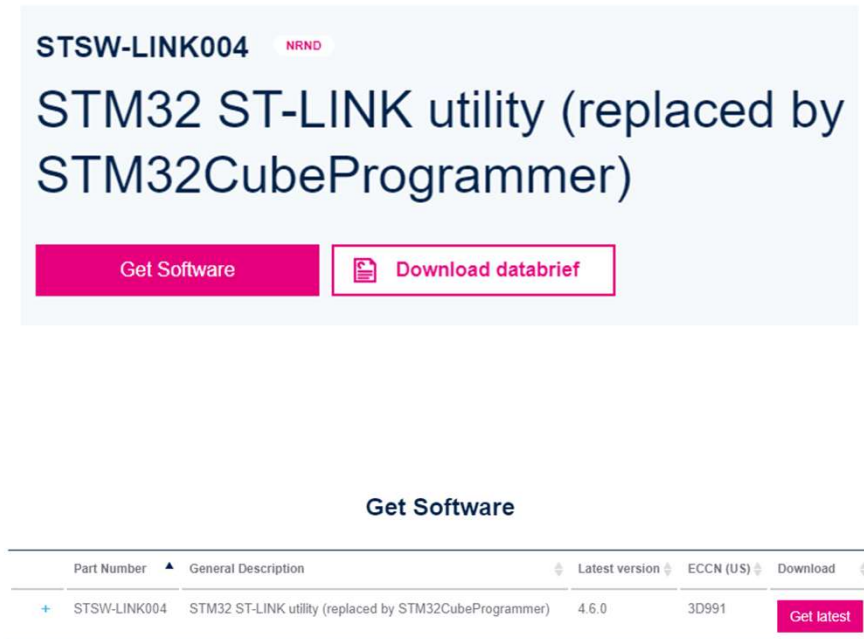
다운로더를 뽑고 디버그를 켜는다

2. 인터넷이 불가능한 경우

인터넷이 가능하든 불가능하든 첫 설치에 인터넷이 필요하고 둘 다 하긴 해야함



네이버에 STM32 ST-LINK Utility 검색



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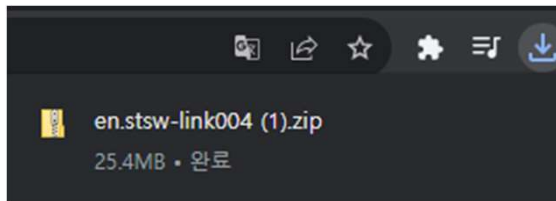
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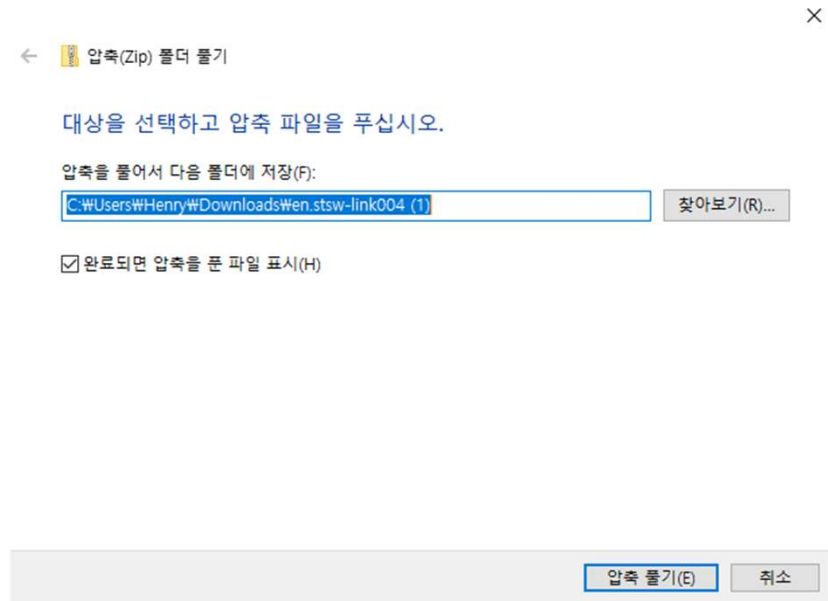
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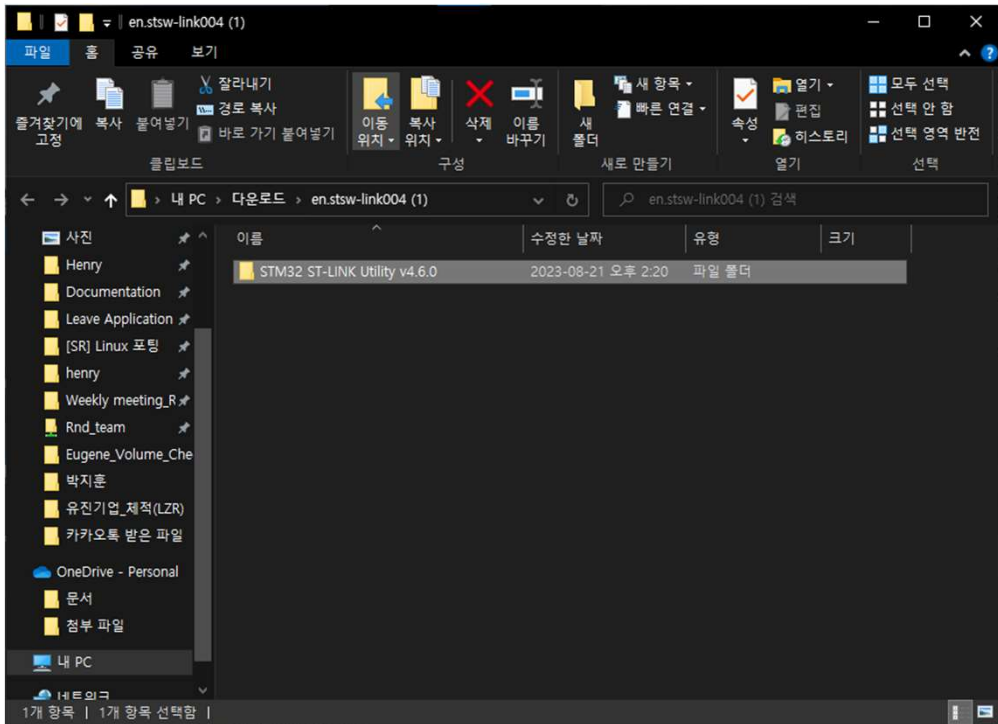
회원가입 후 로그인



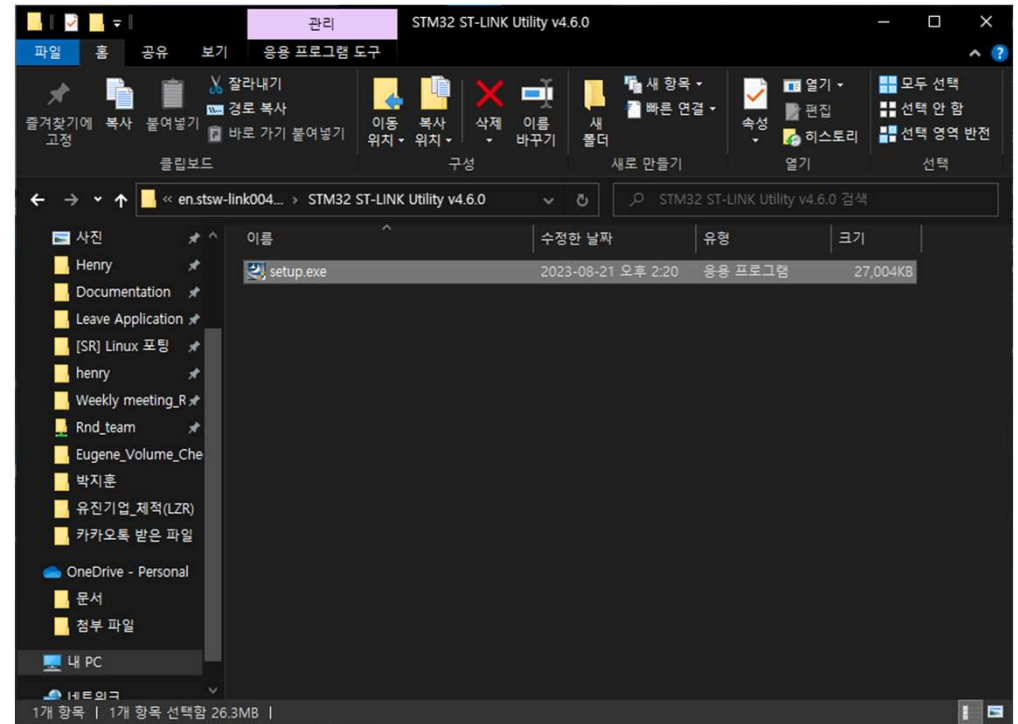
다운받아지면 압축해제



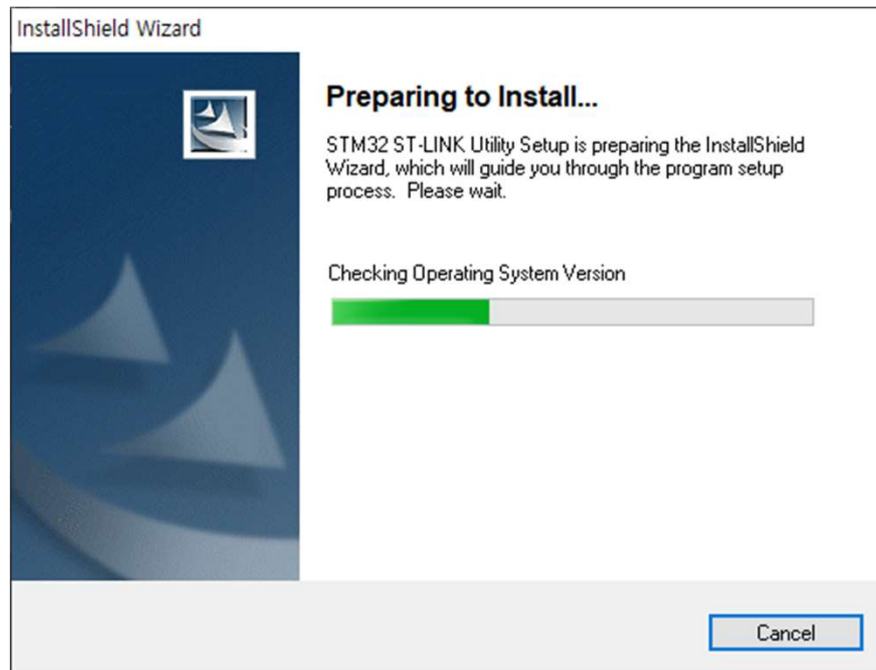
압축파일 경로 지정 후 풀기



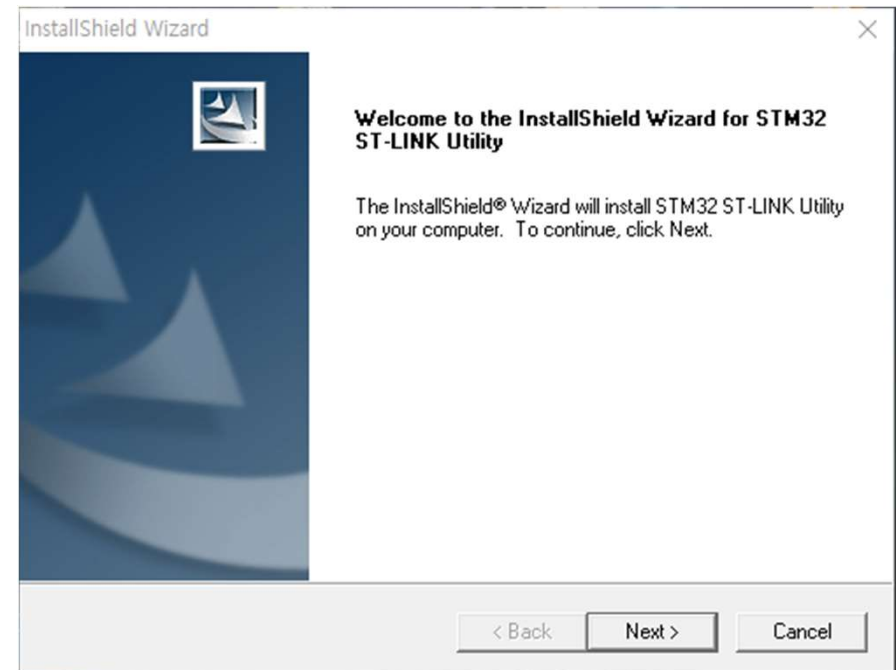
폴린 폴더 안에 폴더가 있음



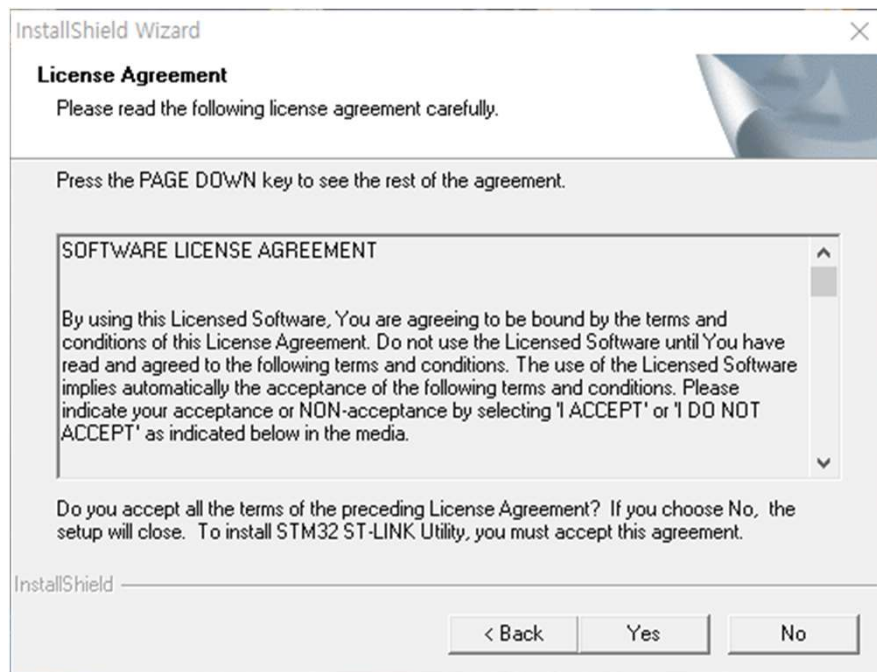
설치 프로그램 실행



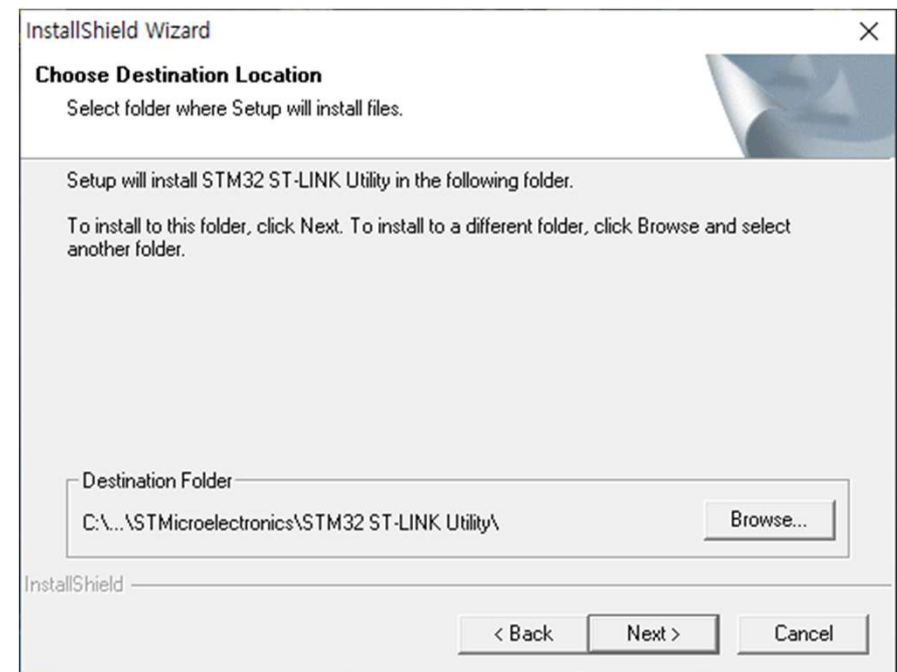
설치 진행중..



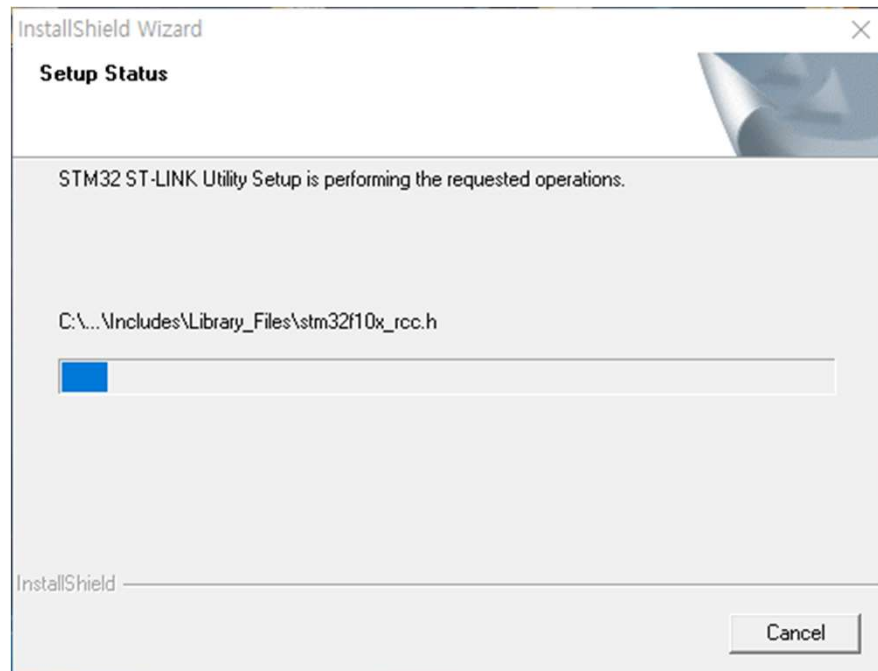
다음



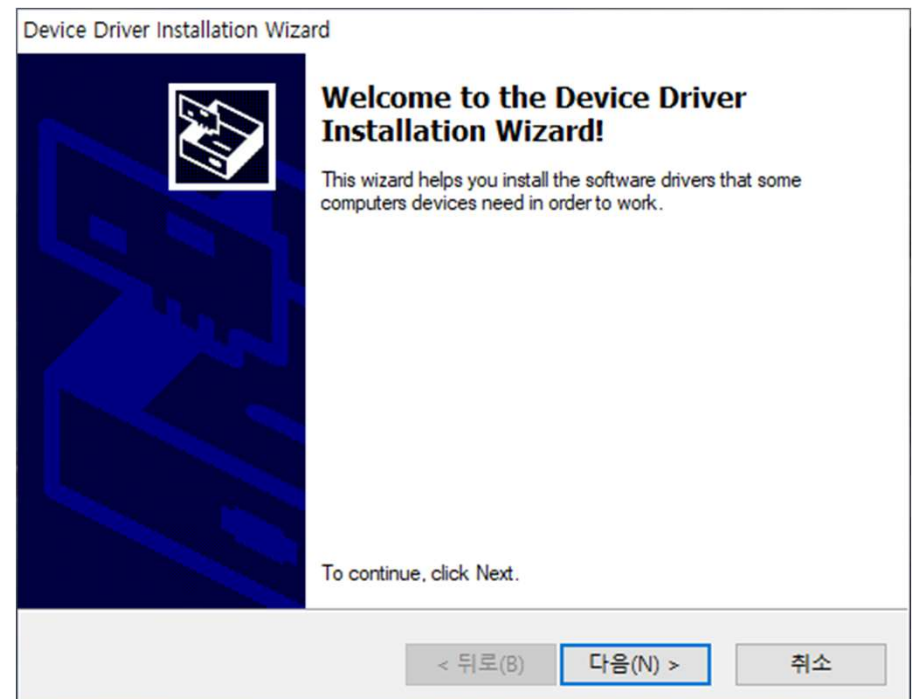
동의



설치경로 지정 다음클릭



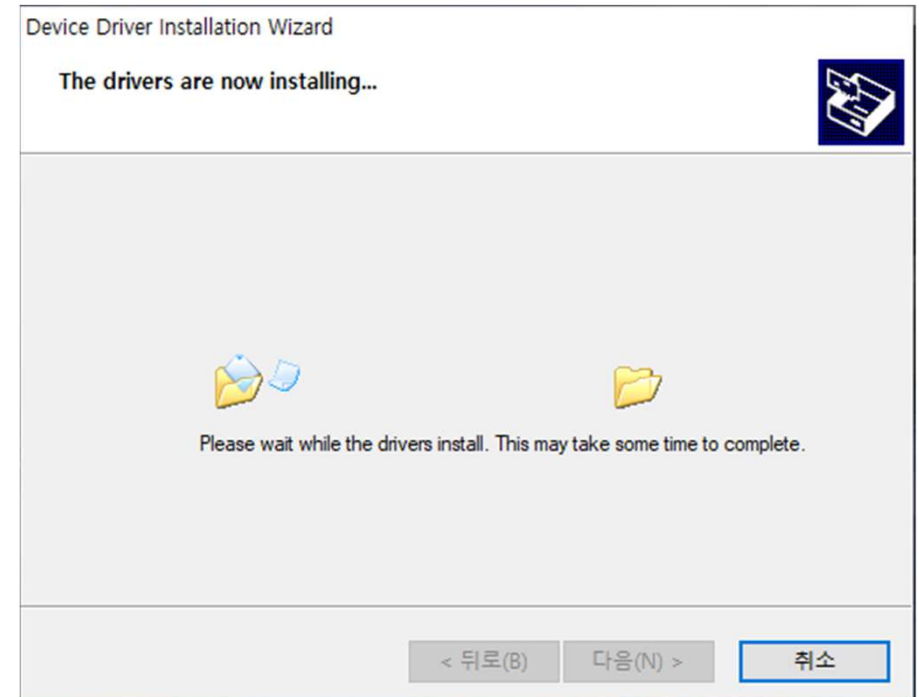
진행중..



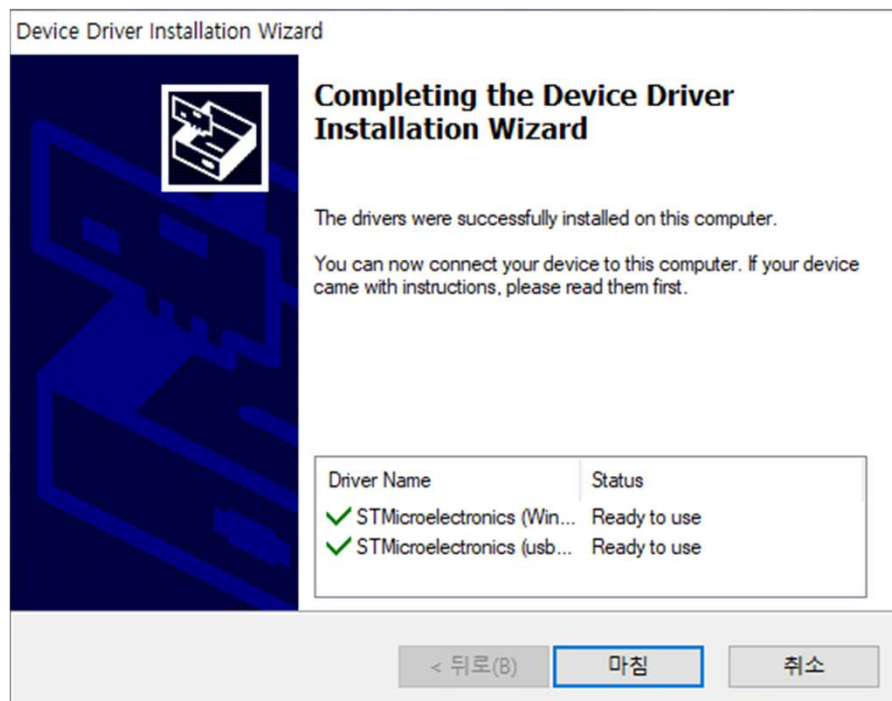
드라이버 설치 창이 뜸(자동으로 뜸) 다음클릭



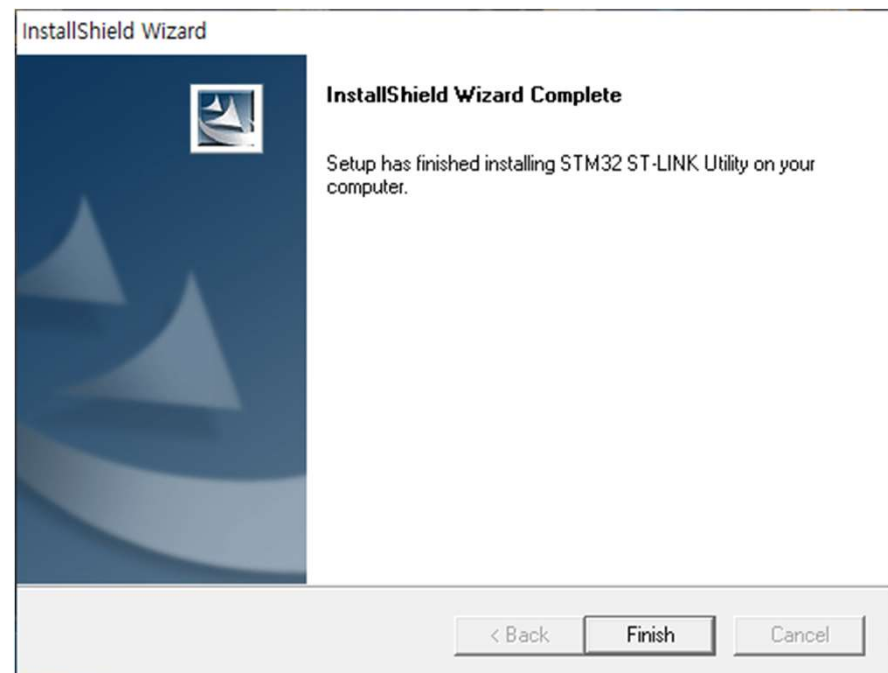
설치



진행중..



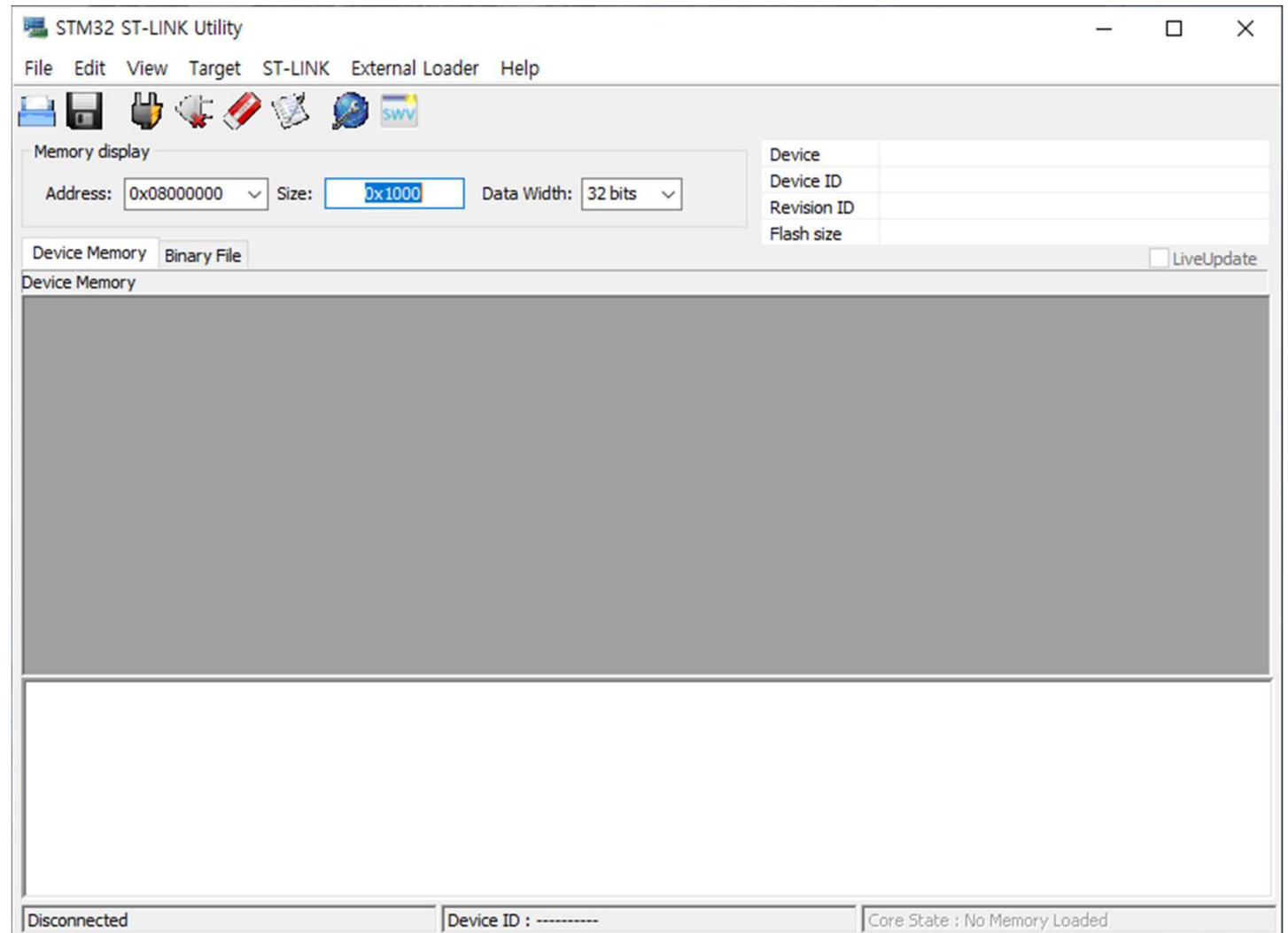
마침



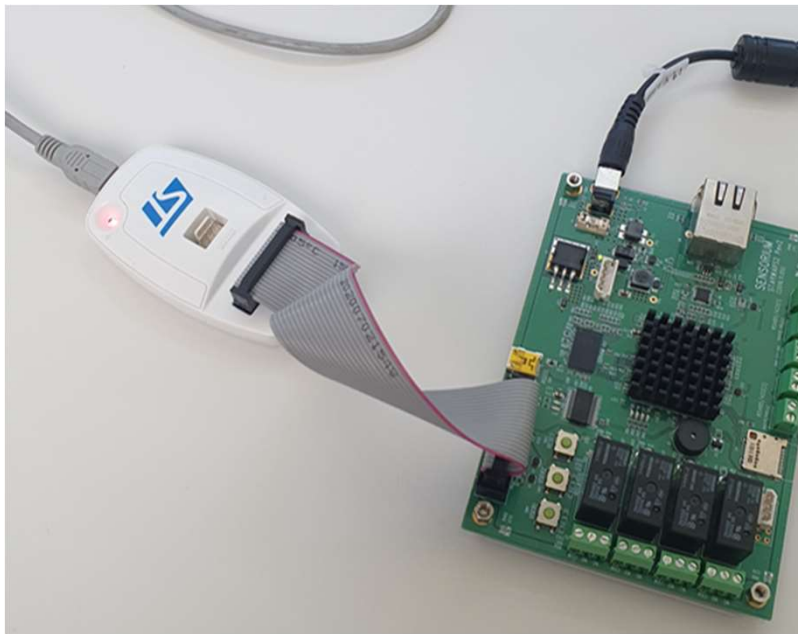
마침



아이콘이 생김, 실행



위와같은 창이 뜸



위와같이 결선

STM32 ST-LINK Utility

File Edit View Target ST-LINK External Loader Help

Memory display

Address: 0x08000000 Size: 0x1000 Data Width: 32 bits

Device: STM32F74x/F75x
Device ID: 0x449
Revision ID: Rev Z
Flash size: 1MBytes

Device Memory @ 0x08000000 : Binary File

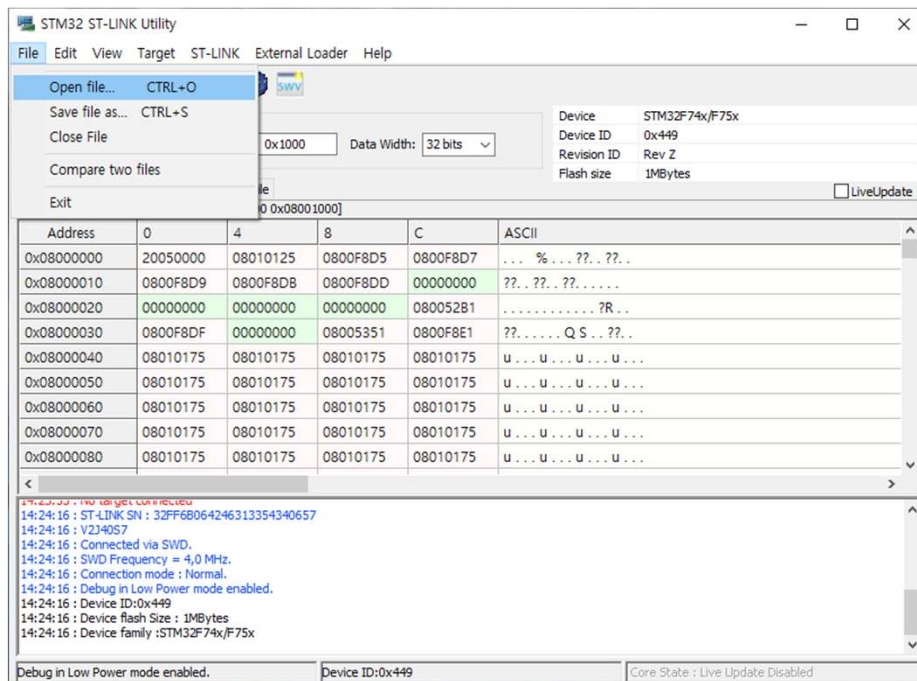
Target memory, Address range: [0x08000000 0x08010000]

Address	0	4	8	C	ASCII
0x08000000	20050000	08010125	0800F8D5	0800F8D7	... % ... ?? .. ??..
0x08000010	0800F8D9	0800F8DB	0800F8DD	00000000	??.. ??.. ??.. ..
0x08000020	00000000	00000000	00000000	080052B1	 ?R ..
0x08000030	0800F8DF	00000000	08005351	0800F8E1	??.. .. Q S .. ??..
0x08000040	08010175	08010175	08010175	08010175	u... u... u... u...
0x08000050	08010175	08010175	08010175	08010175	u... u... u... u...
0x08000060	08010175	08010175	08010175	08010175	u... u... u... u...
0x08000070	08010175	08010175	08010175	08010175	u... u... u... u...
0x08000080	08010175	08010175	08010175	08010175	u... u... u... u...

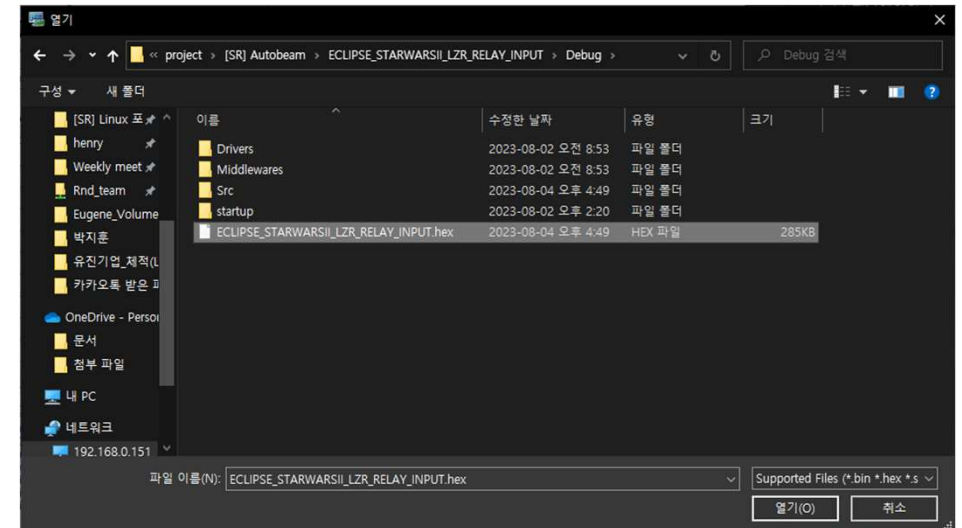
14:23:33 : NO target connected
14:24:16 : ST-LINK SN : 32FF6B064246313354340657
14:24:16 : V2J40S7
14:24:16 : Connected via SWD.
14:24:16 : SWD Frequency = 4,0 MHz.
14:24:16 : Connection mode : Normal.
14:24:16 : Debug in Low Power mode enabled.
14:24:16 : Device ID:0x449
14:24:16 : Device flash Size : 1MBytes
14:24:16 : Device family :STM32F74x/F75x

Debug in Low Power mode enabled. Device ID:0x449 Core State : Live Update Disabled

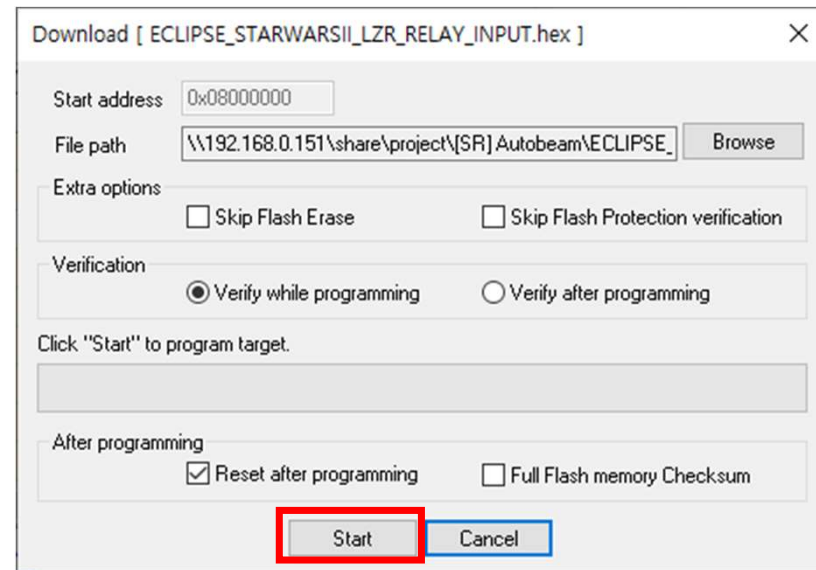
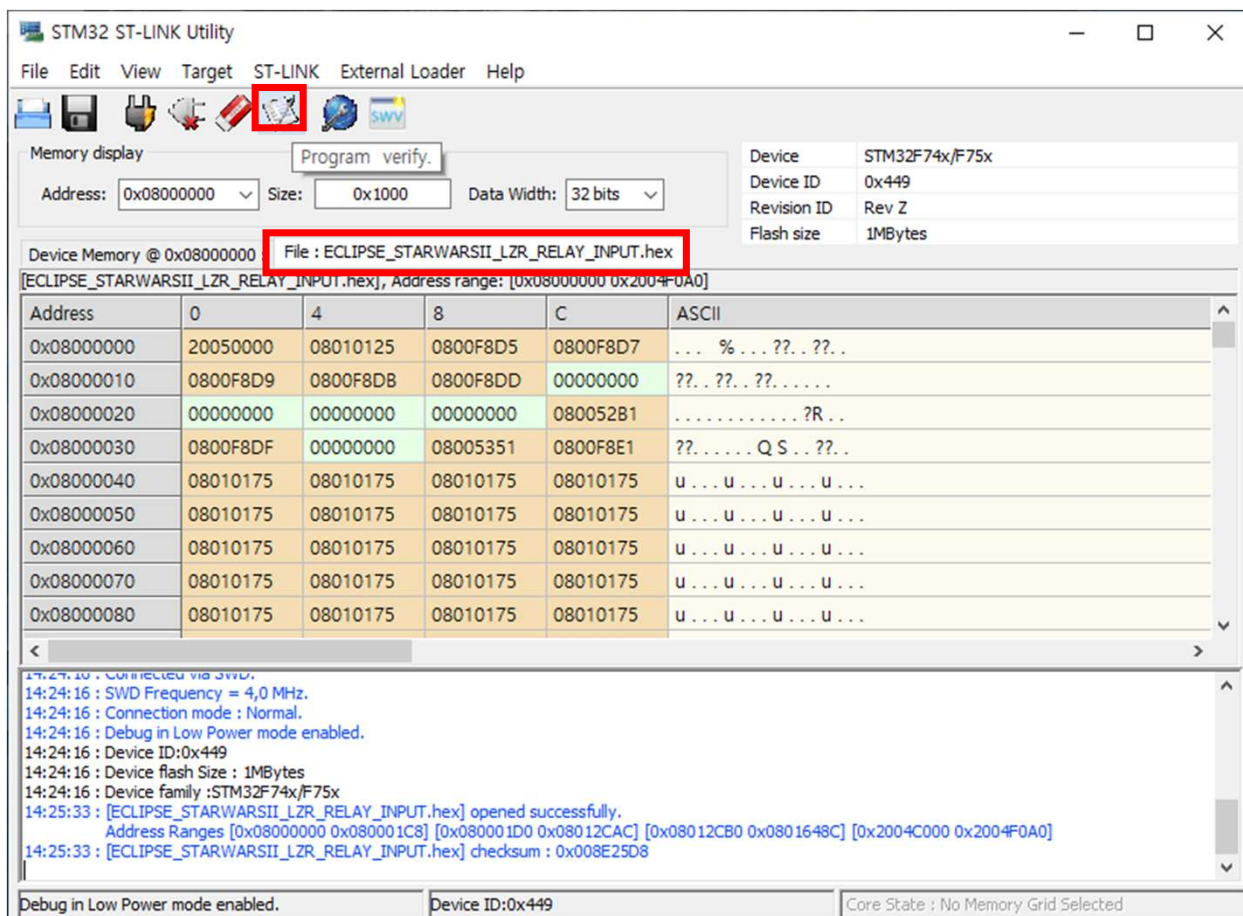
빨간 박스 표기된 버튼을 누르면 보드안에
데이터가 불러짐



파일-> 오픈 파일을 누르고



다운받아야할 hex파일을 선택



위와같은 창이 뜨면 Start 버튼 클릭

열기 누르면 위의 빨간박스와 같이 새로운 탭에 불러와지면,
위에 Program Verify 버튼을 눌러서 다운로드

Download [ECLIPSE_STARWARSII_LZR_RELAY_INPUT.hex]

Start address: 0x08000000

File path: \\192.168.0.151\share\project\[SR] Autobeam\ECLIPSE_ [Browse]

Extra options

☐ Skip Flash Erase ☐ Skip Flash Protection verification

Verification

☒ Verify while programming ☐ Verify after programming

Flash memory programming and verification...

After programming

☒ Reset after programming ☐ Full Flash memory Checksum

Start Cancel

다운로드가 진행되고

STM32 ST-LINK Utility

File Edit View Target ST-LINK External Loader Help

Memory display

Address: 0x08000000 Size: 0x1952C Data Width: 32 bits

Device: STM32F74x/F75x
Device ID: 0x449
Revision ID: Rev Z
Flash size: 1MBytes

Device Memory @ 0x08000000 : File : ECLIPSE_STARWARSII_LZR_RELAY_INPUT.hex

Target memory, Address range: [0x08000000 0x0801952C]

Address	0	4	8	C	ASCII
0x08000000	20050000	08010125	0800F8D5	0800F8D7	... % ... ?? .. ?? ..
0x08000010	0800F8D9	0800F8DB	0800F8DD	00000000	?? .. ?? .. ?? ..
0x08000020	00000000	00000000	00000000	080052B1	 ?R ..
0x08000030	0800F8DF	00000000	08005351	0800F8E1	?? Q S .. ?? ..
0x08000040	08010175	08010175	08010175	08010175	u .. u .. u .. u ..
0x08000050	08010175	08010175	08010175	08010175	u .. u .. u .. u ..
0x08000060	08010175	08010175	08010175	08010175	u .. u .. u .. u ..
0x08000070	08010175	08010175	08010175	08010175	u .. u .. u .. u ..
0x08000080	08010175	08010175	08010175	08010175	u .. u .. u .. u ..

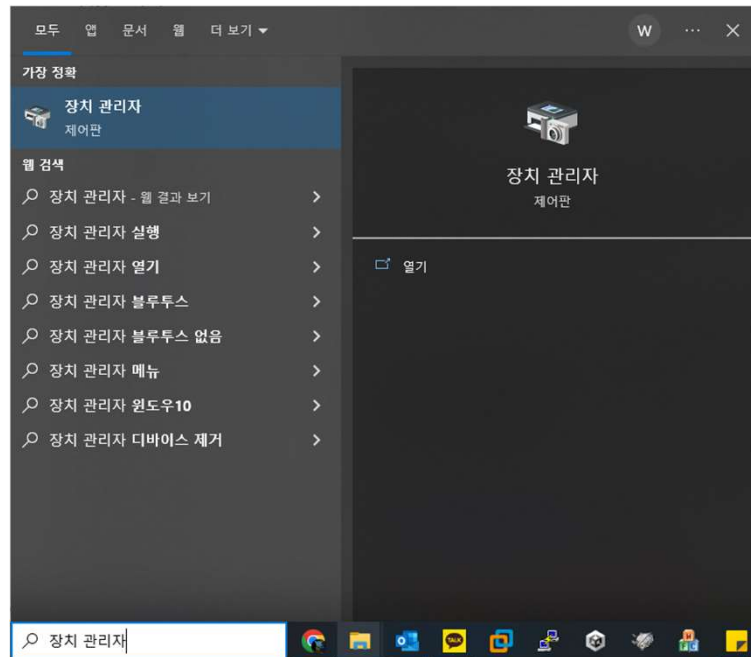
14:24:10 : Device ID: 0x449
14:24:16 : Device flash Size : 1MBytes
14:24:16 : Device family : STM32F74x/F75x
14:25:33 : [ECLIPSE_STARWARSII_LZR_RELAY_INPUT.hex] opened successfully.
Address Ranges [0x08000000 0x08001C8] [0x08001D0 0x08012CAC] [0x08012CB0 0x0801648C] [0x2004C000 0x2004F0A0]
14:25:33 : [ECLIPSE_STARWARSII_LZR_RELAY_INPUT.hex] checksum : 0x008F25D8
14:26:17 : No OnChip verification function found. Verify after programming will be performed.
14:26:18 : Memory programmed in 2s and 844ms.
14:26:18 : Verification...OK
14:26:18 : The checksum function is missing in the loader. Checksum value is not calculated.

Debug in Low Power mode enabled. Device ID: 0x449 Core State : Live Update Disabled

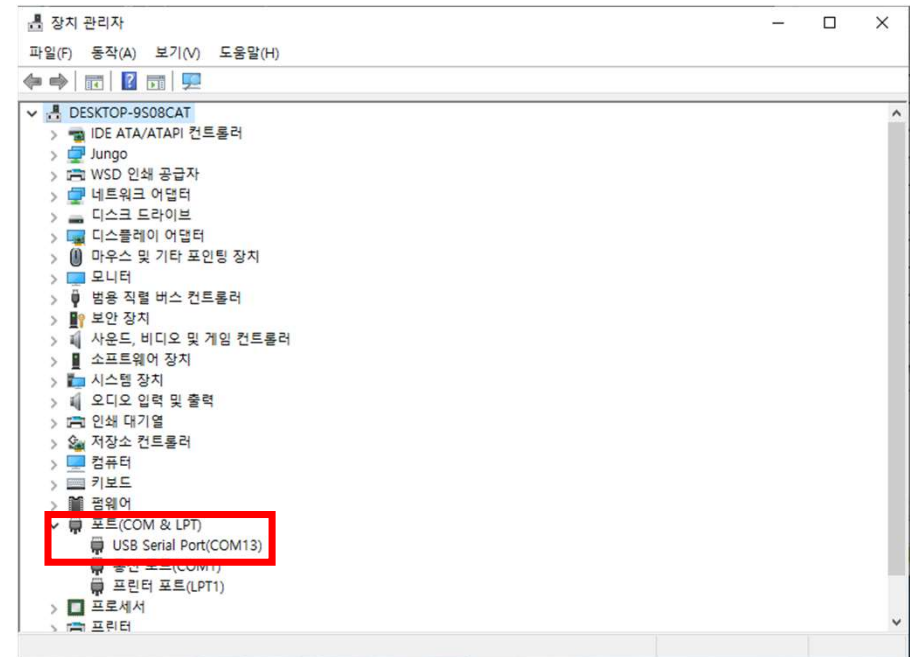
위에 텍스트와 같이 Verification이 OK되면 다운완료

공통사항 : 디버그

프로그램이 제대로 들어갔는지, 어떤 데이터가 나오는지 확인하기 위한 과정



윈도우에 장치 관리자를 검색(장치랑 관리자 사이에 꼭 띄워쓰기)



아래 포트(COM&LPT)에서 시리얼 포트 번호를 확인

[putty.softonic.kr](#) > Windows > 개발 및 IT > 네트워킹

PuTTY - 다운로드

PuTTY, 무료 및 안전한 다운로드. PuTTY 최신 버전.

[ko.wikipedia.org](#) > PuTTY

PuTTY - 위키백과 한국

PuTTY (퍼티, /ˈpʊti/)는 SSH, 텔넷, rlogin, raw TCP를 위한 클라이언트로 동작하는 자유 및 오픈 소스 단말 에뮬레이터 응용 프로그램이다. PuTTY라는 이름에는 특별한 뜻이 없으나 tty는 유닉스 전통의 터미널의 이름을 가리키며 teletype를 짧게 줄인 것이다. PuTTY는 본래 마이크로소프트 윈도우용으로 작성되었으나 다른 다양...

운영 체제 크로스 플랫폼

안정화 버전 0.78 / 2022년 10월 29일

프로그래밍 언어 C

[역사](#)
[구성 요소](#)
[각주](#)
[외부 링크](#)
[🏠](#) > Windows > 개발 및 IT > 네트워킹 > PuTTY


Windows를 위한 PuTTY

무료 사용 언어: 한국어/조선말 0.78

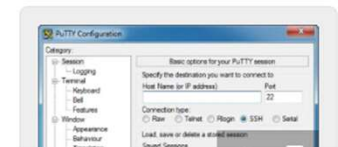
★ 3.9 (1680 ⭐) 보안 상태

Softonic 리뷰

완전하고 안정적인 텔넷 및 SSH 클라이언트

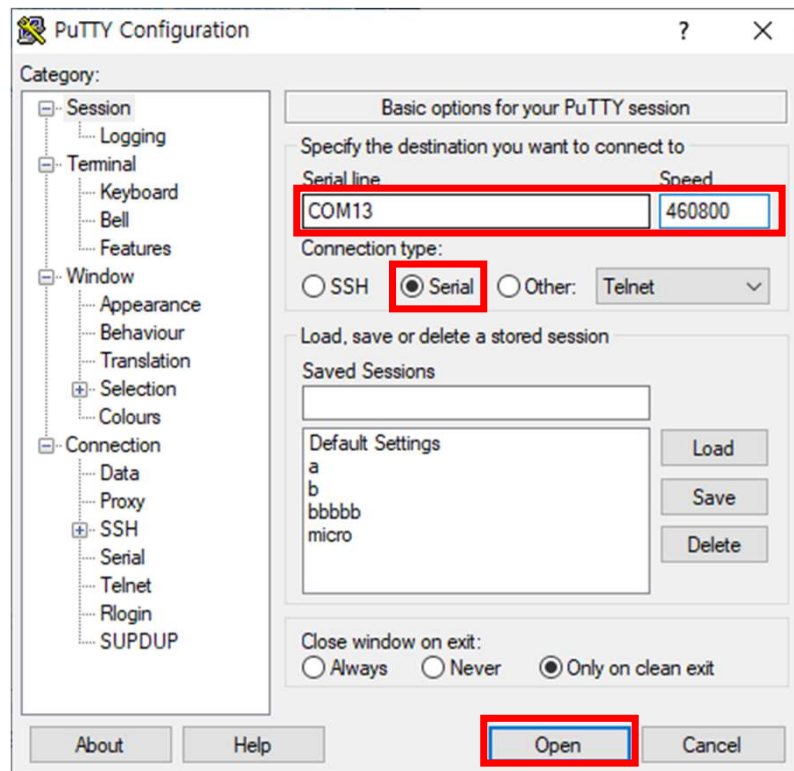
PuTTY는 인기있는 SSH 및 텔넷 클라이언트로 인터넷을 통해 보안 연결을 설정하고 설치가 필요하지 않습니다.

무료 다운로드
Windows 용

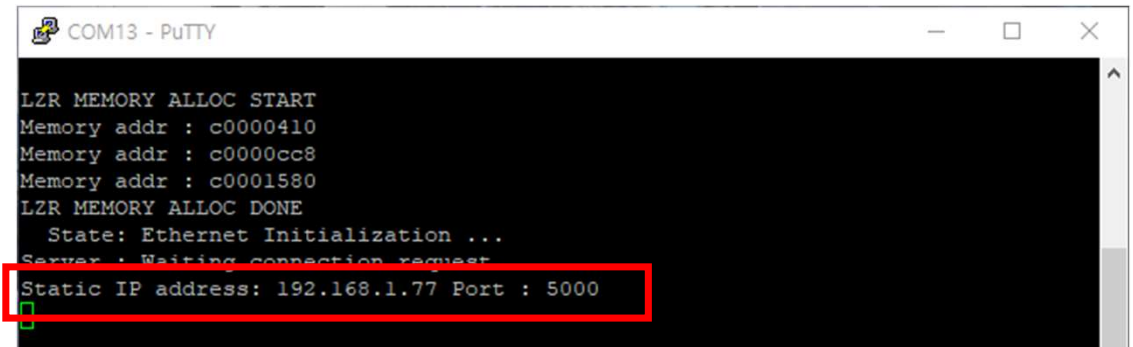


위의 프로그램 다운로드하고 실행

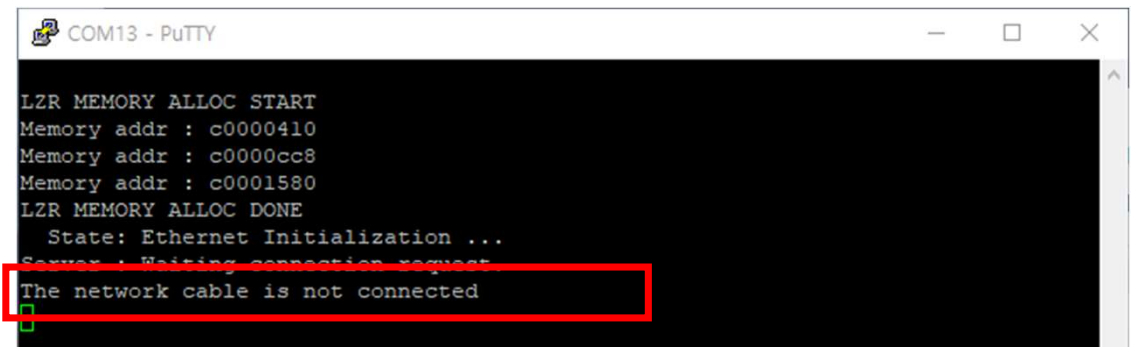
네이버에 putty검색



실행 후 씨리얼 누르고 씨리얼 넘버 넣고
스피드에 460800 넣고 오픈



제대로 동작



잘못 동작(선 꽂은거 확인하고 리셋)