

Software and Firmware Update on a Universal Robot

CB3

김은수

참고

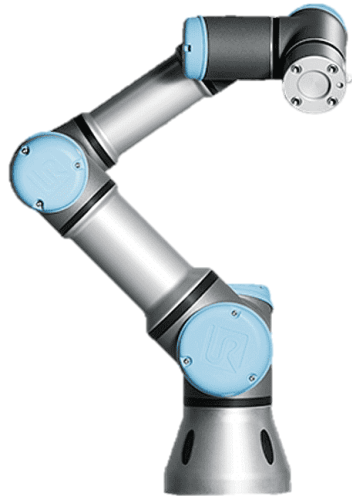
- <http://www.universal-robots.com/download/?option=16460#section16459>
- <https://www.youtube.com/watch?v=1HFZ5vXjR0Q>

목차

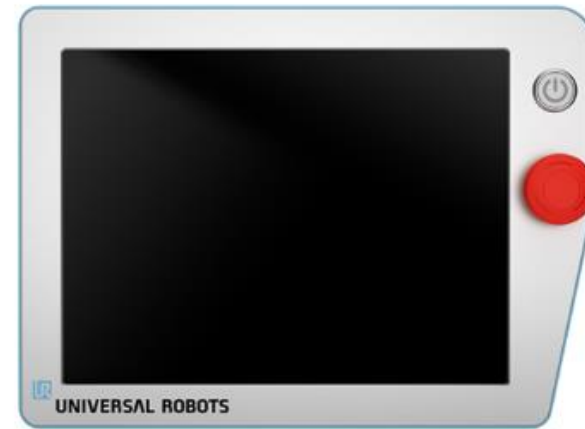
- **Development Environment**
- **Software Update**
- **Firmware Update**

Development Environment

- UR3
 - CB-Series (CB3)



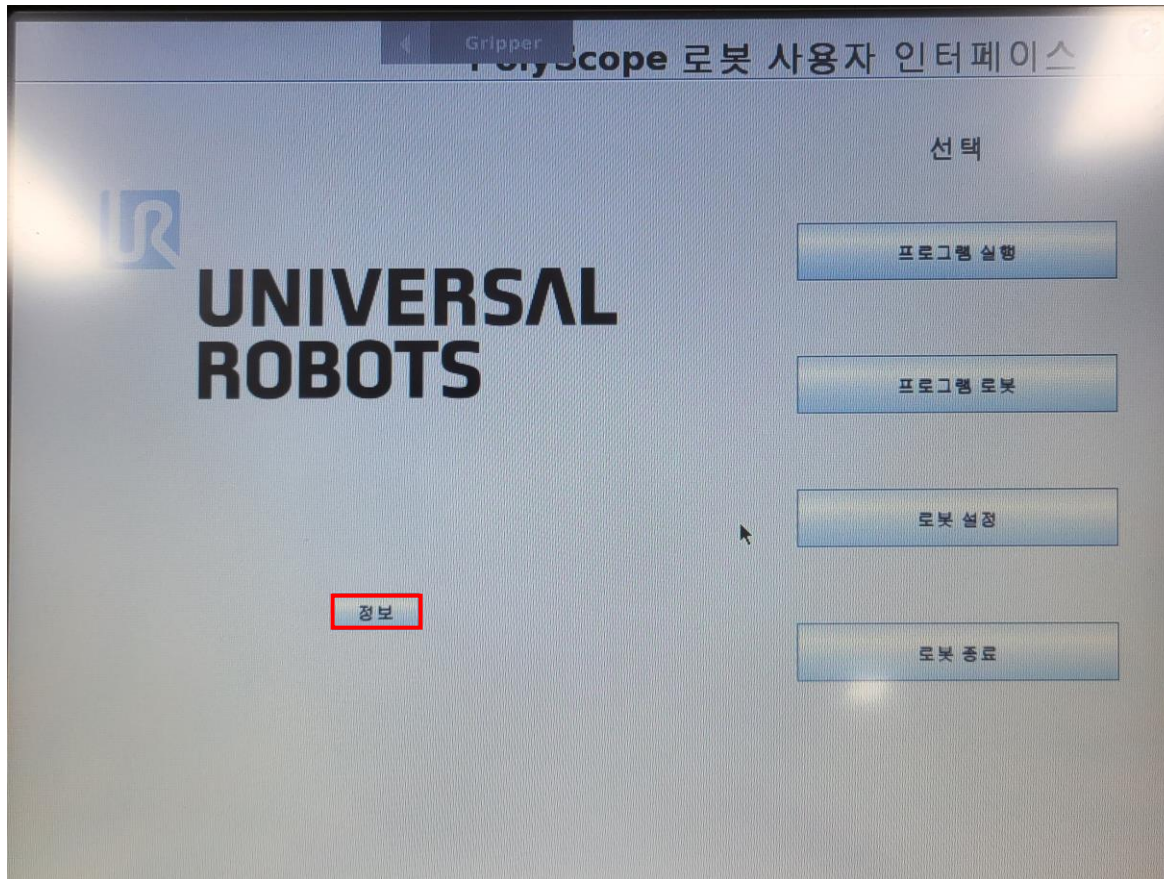
<UR3 Robot arm>



<Teach Pendant>

SW & FW Update on a UR

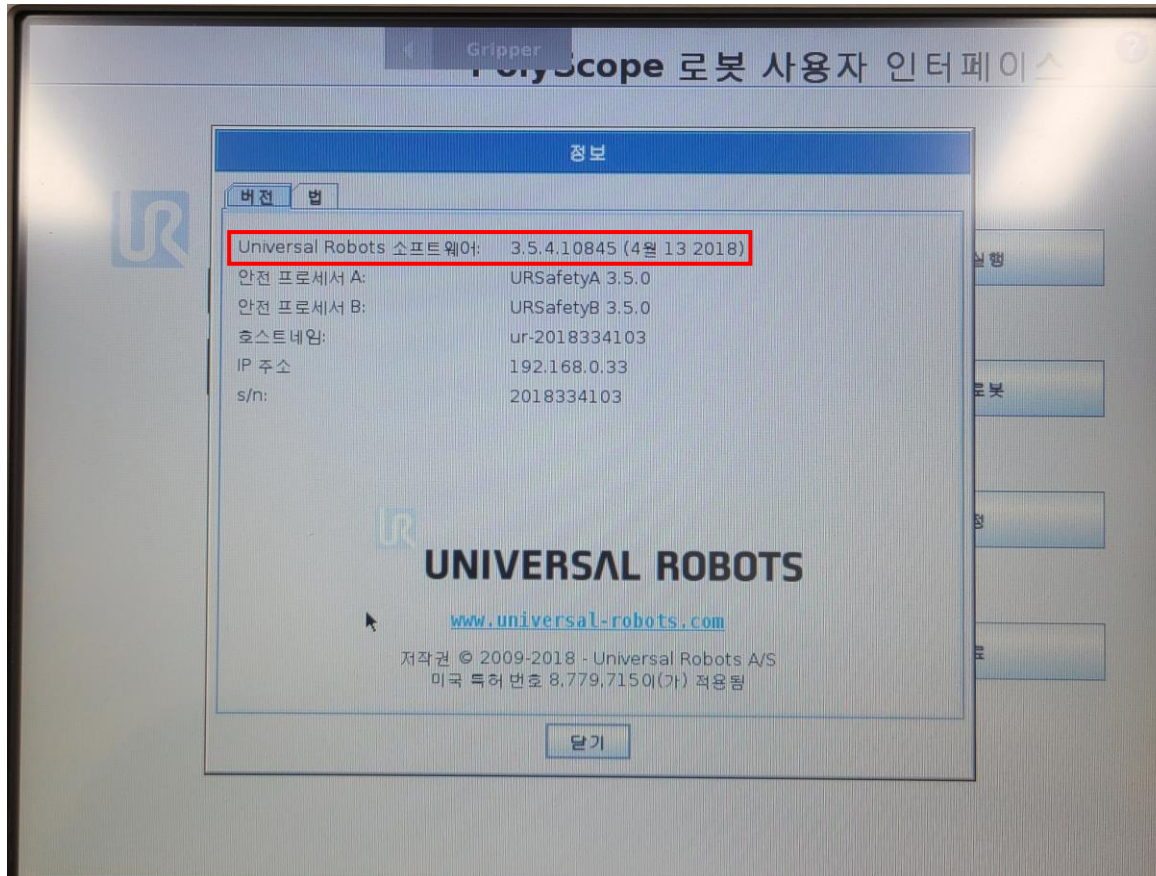
- Software Update



- 시작 화면 – 정보

SW & FW Update on a UR

- Software Update



- 현재 Universal Robots 소프트웨어 버전 확인

SW & FW Update on a UR

■ Software Update

UR DOWNLOAD

Here you can download a lot of useful files including manuals, drawings, robot software update and more! Select your download from the menus below

1. Select robot type
Label on the robot arm and control box will show what type it is. CB-Series

2. Select type of download for CB-Series
Search for article "How to use this Support site" for more information. Software

3. Select type of software
Robot software should ONLY be installed by trained personnel. The software is not backwards compatible. Robot software

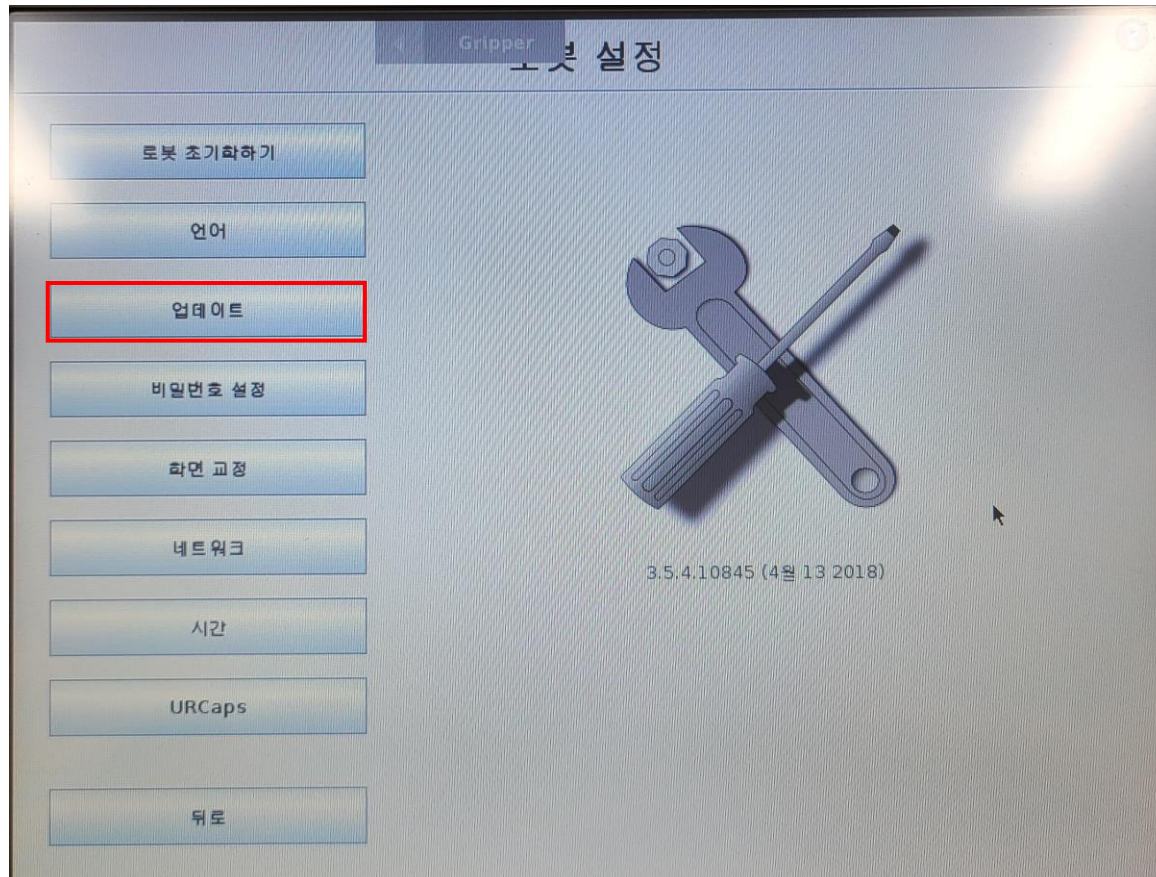
5. Select Software version
This software is for CB3 and CB3.1 only. UR3 is supported from software version 3.1.17779 onwards.
Robots from the following serial numbers needs to run minimum 3.1.18213 because of hardware changes.
UR3: 2015330350
UR5: 2015351556
UR10: 2015301372
Note:
- Installing new hardware components may require updating of software.
- Backward compatibility is not supported.
- Software updates must be done in steps for minor releases i.e. 3.2, 3.3, 3.4 etc.

Select

- <http://www.universal-robots.com/download/?option=16460#section16459>
- 업데이트 할 소프트웨어 버전 선택, 다운로드
- USB에 urup 파일 넣고 TP에 삽입

SW & FW Update on a UR

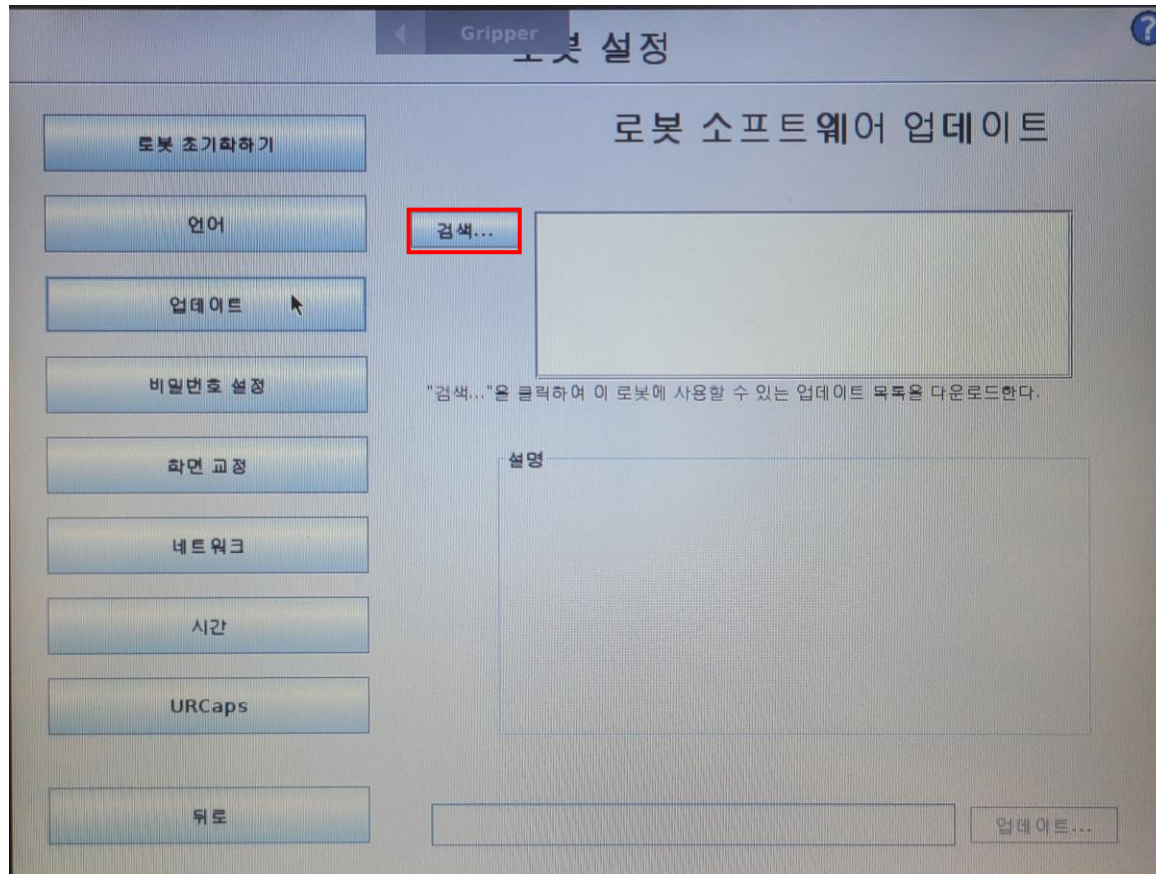
- Software Update



- 로봇 설정 - 업데이트

SW & FW Update on a UR

- Software Update

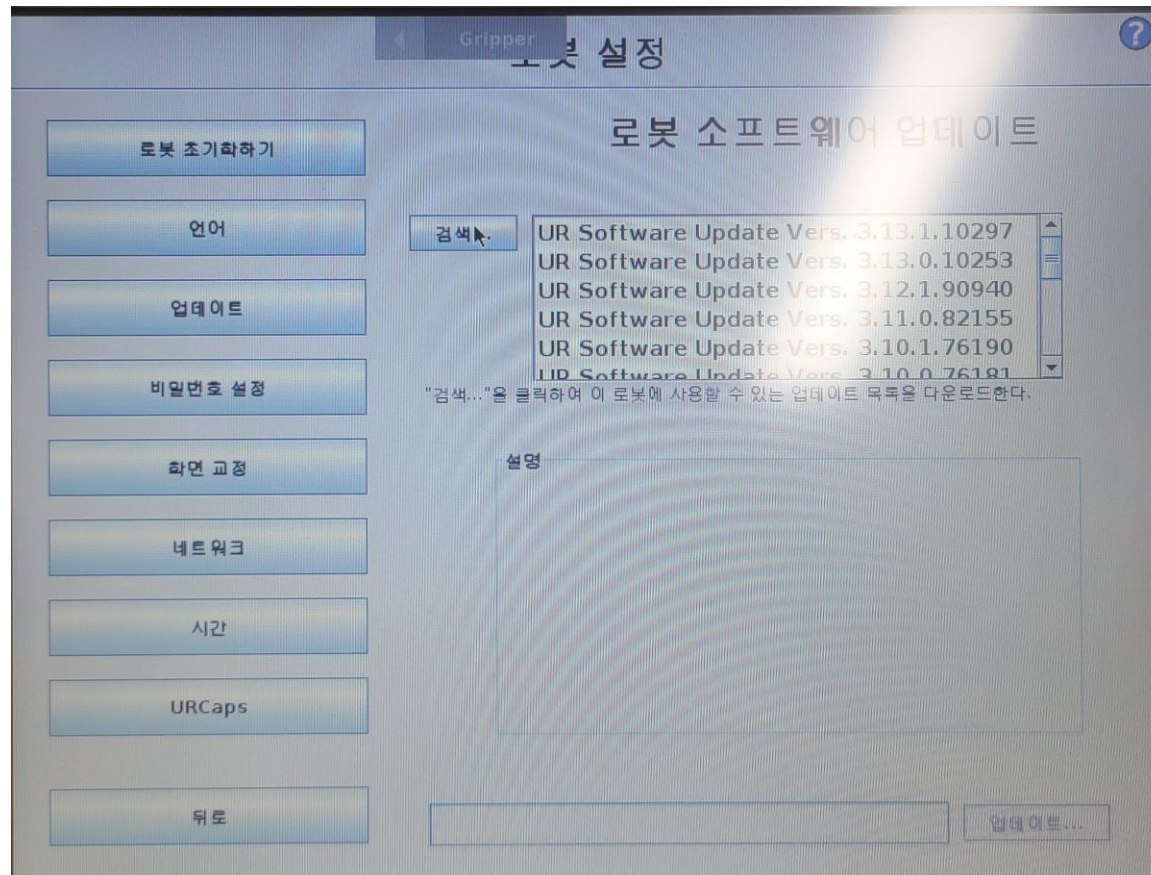


- 검색... 클릭

[TP]

SW & FW Update on a UR

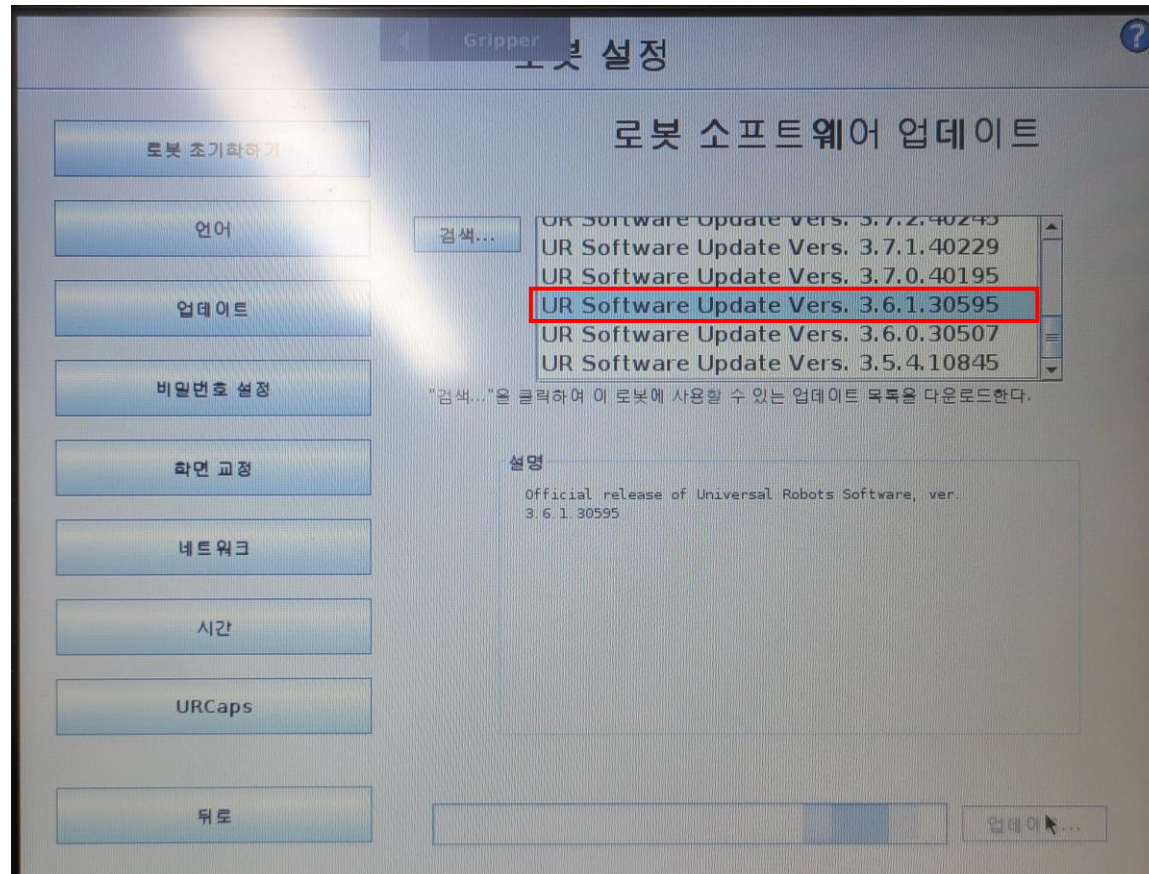
- Software Update



- USB에 담긴 urup 파일 확인 가능

SW & FW Update on a UR

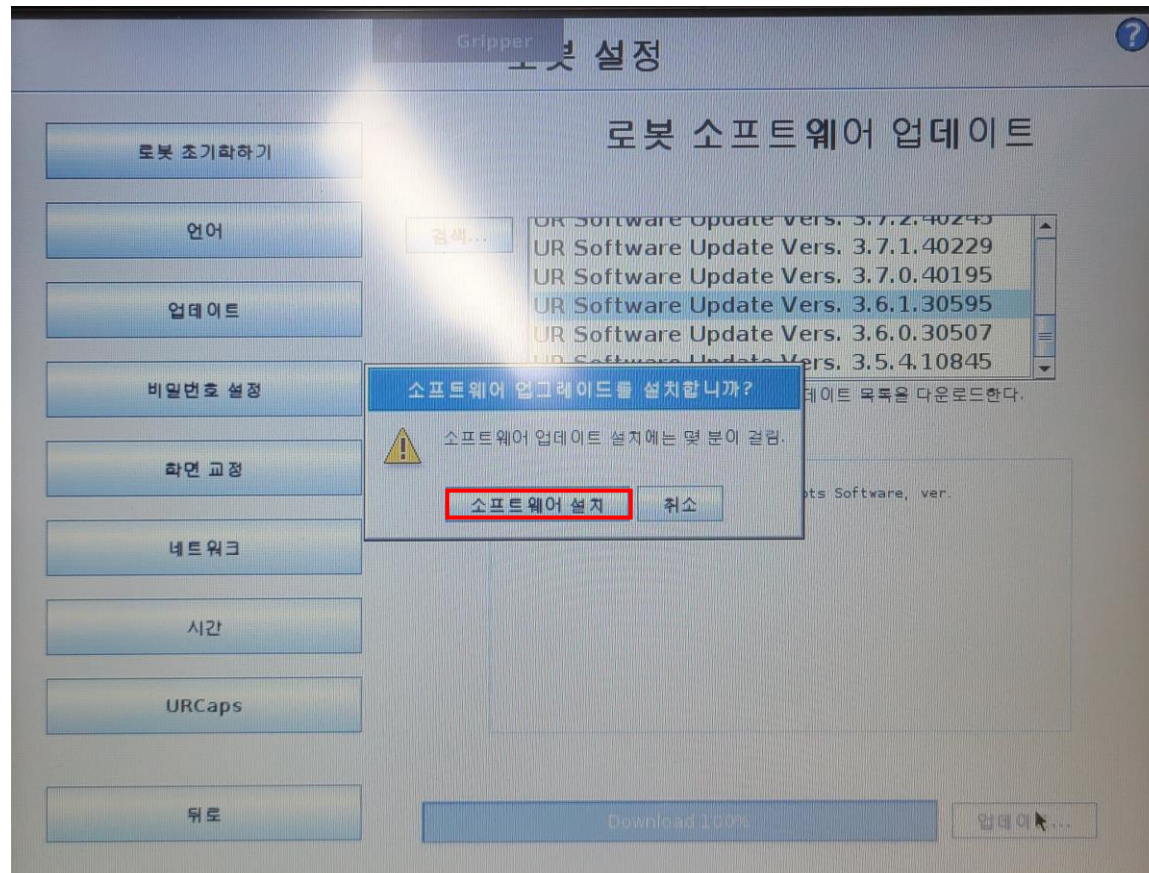
■ Software Update



- 업데이트 할 소프트웨어 버전을 누르고 업데이트 클릭

SW & FW Update on a UR

- Software Update

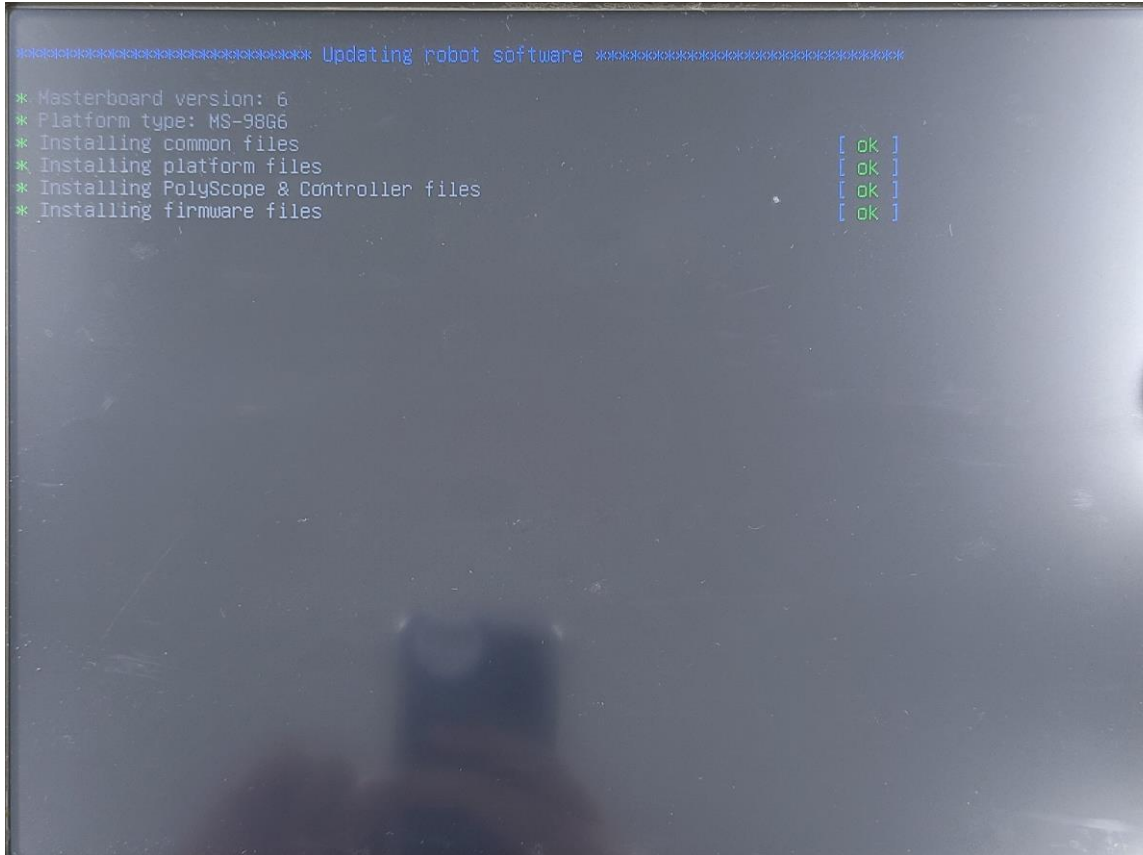


- 소프트웨어 설치 클릭

[TP]

SW & FW Update on a UR

■ Software Update



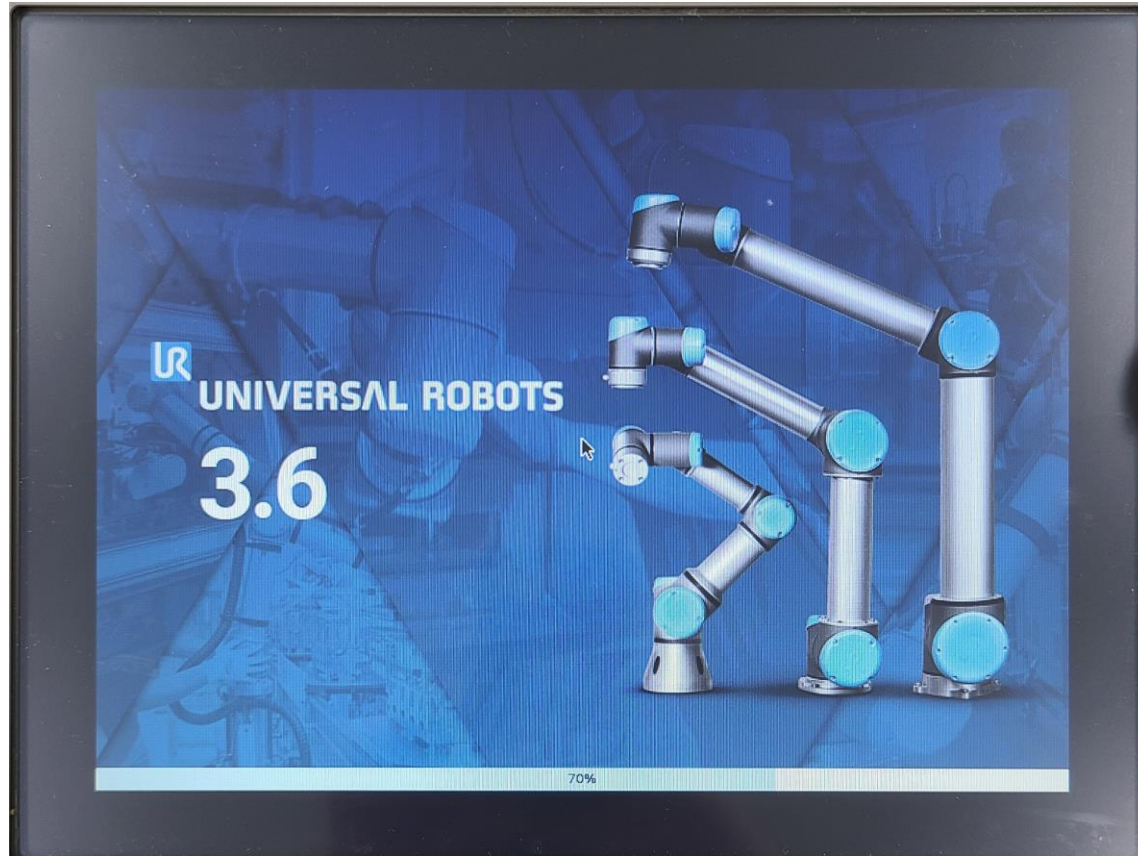
```
***** Updating robot software *****  
* Masterboard version: 6  
* Platform type: MS-98G6  
* Installing common files [ ok ]  
* Installing platform files [ ok ]  
* Installing PolyScope & Controller files [ ok ]  
* Installing firmware files [ ok ]
```

- 재부팅, 로봇 소프트웨어 업데이트

[TP]

SW & FW Update on a UR

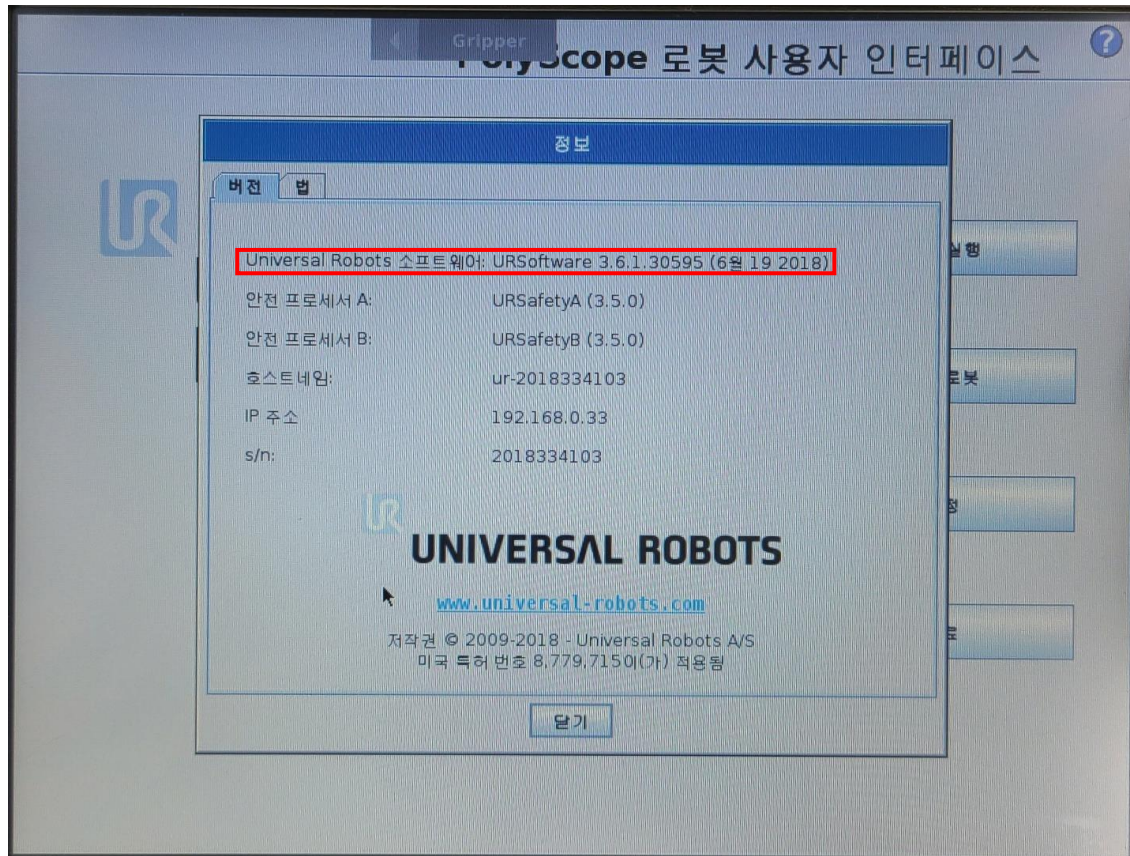
- Software Update



- 새로운 버전으로 부팅

SW & FW Update on a UR

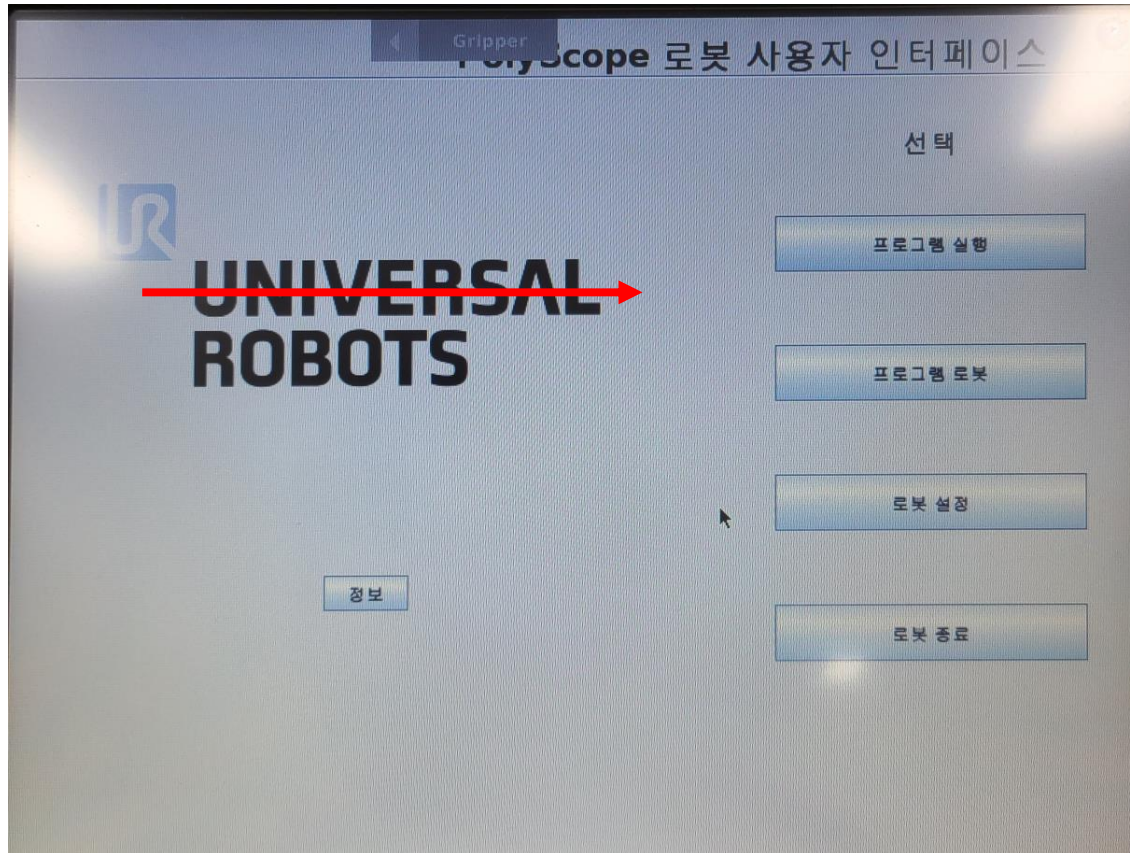
■ Software Update



- 시작 화면 - 정보
- Universal Robots 소프트웨어가 업데이트 된 것을 확인 할 수 있음

SW & FW Update on a UR

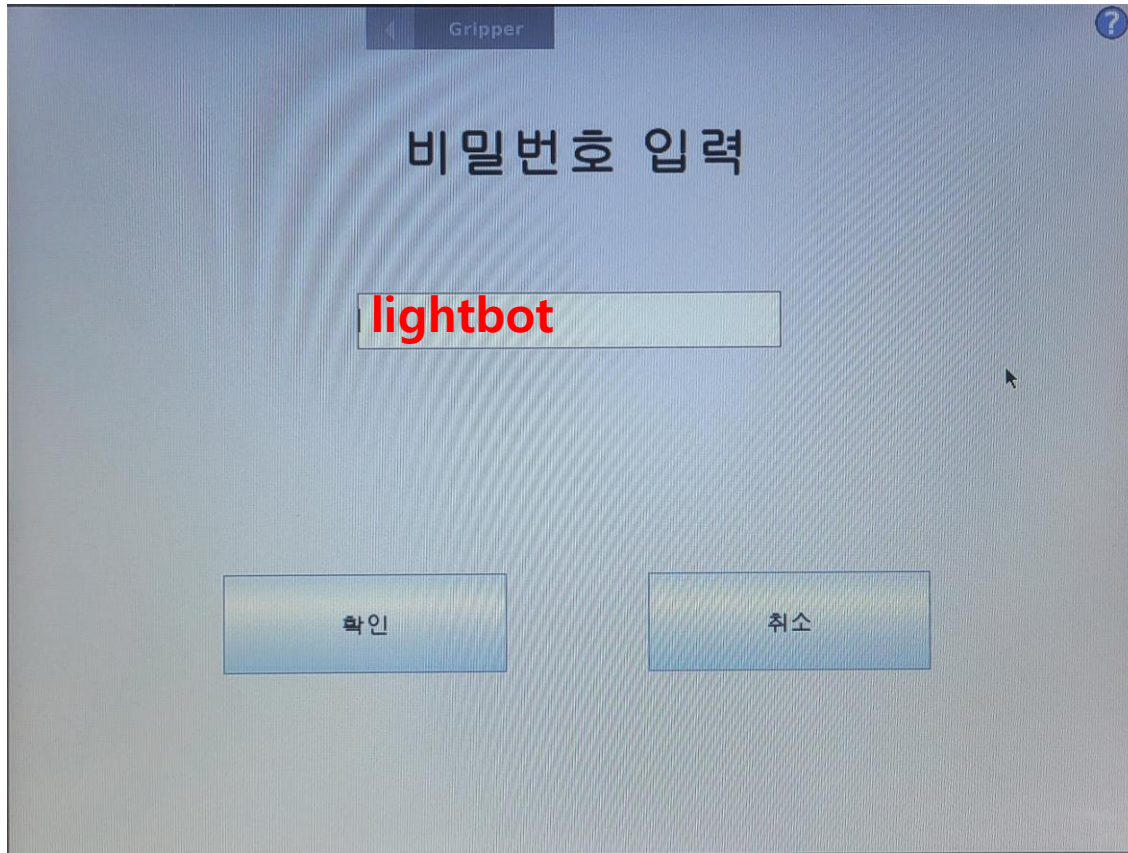
■ Firmware Update



- 시작 화면
- UNIVERSAL ROBOTS 글자 위에서 오른쪽으로 밀기

SW & FW Update on a UR

- Firmware Update

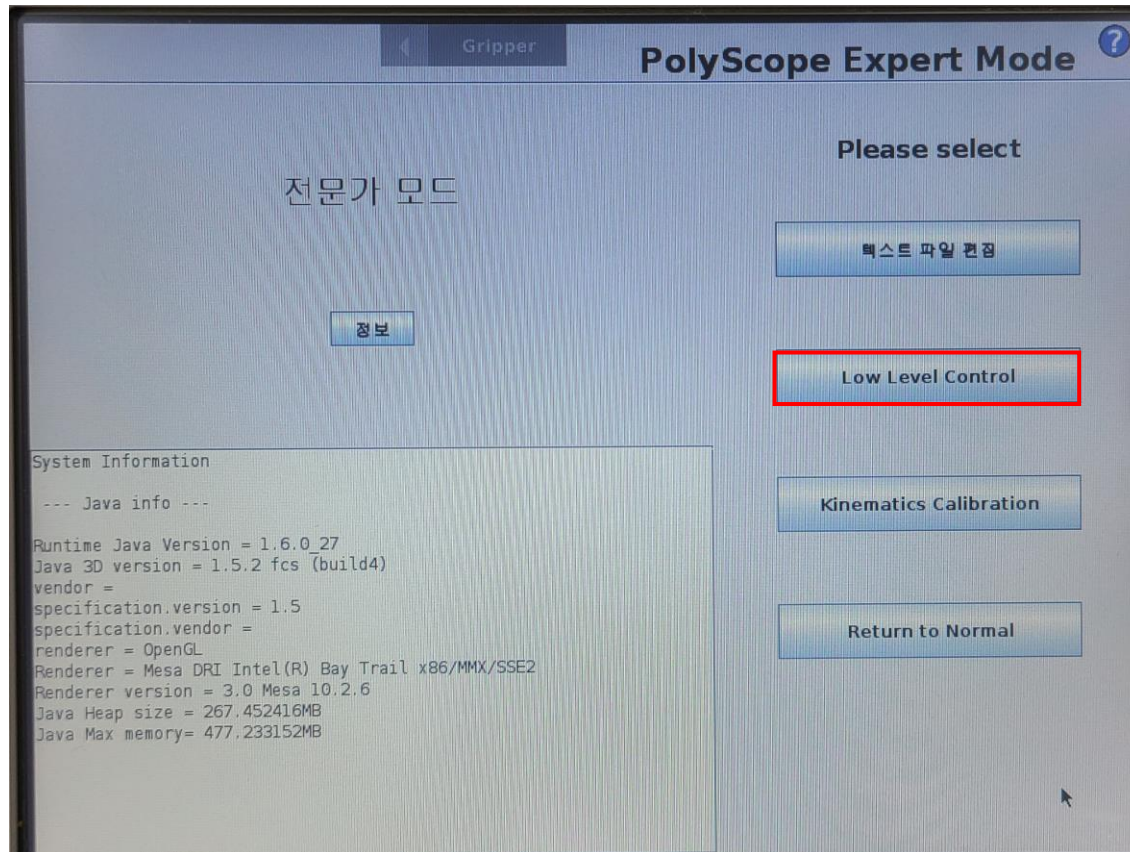


- 비밀번호 입력
- UR3 Password: lightbot

[TP]

SW & FW Update on a UR

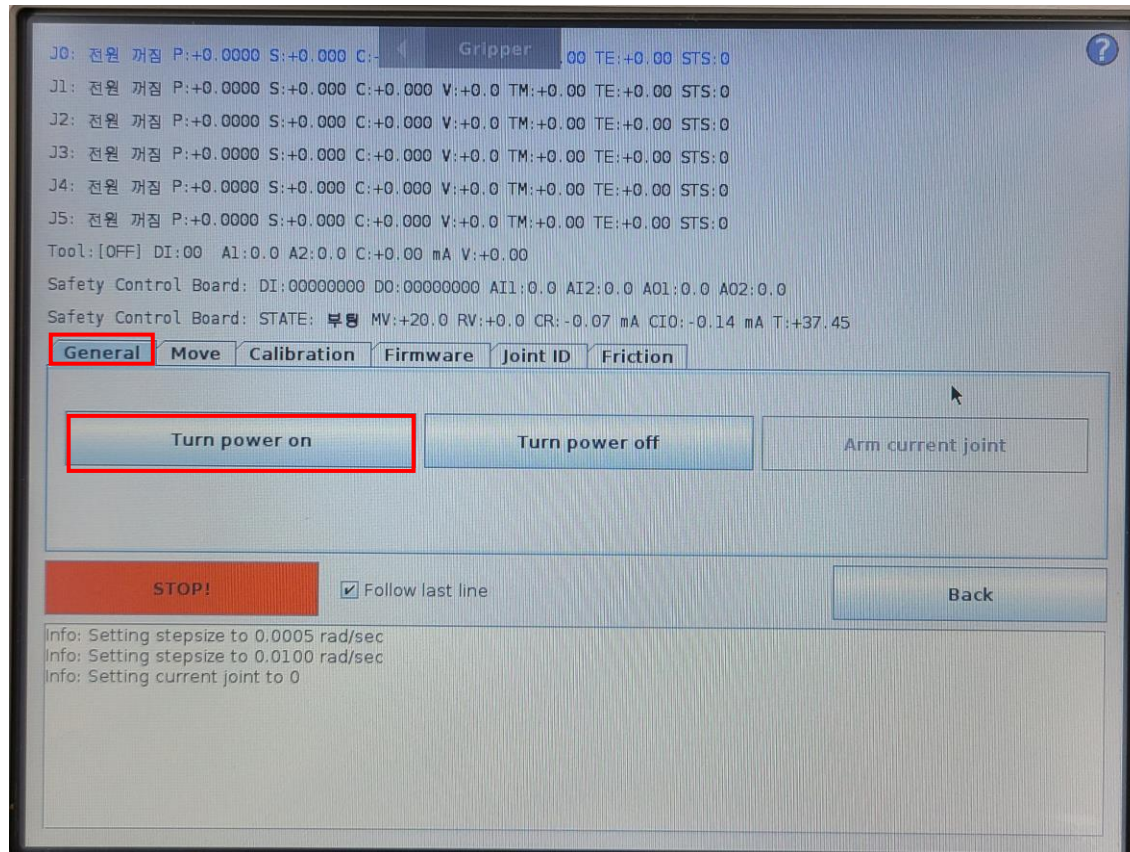
■ Firmware Update



- 전문가 모드
- Low Level Control 클릭

SW & FW Update on a UR

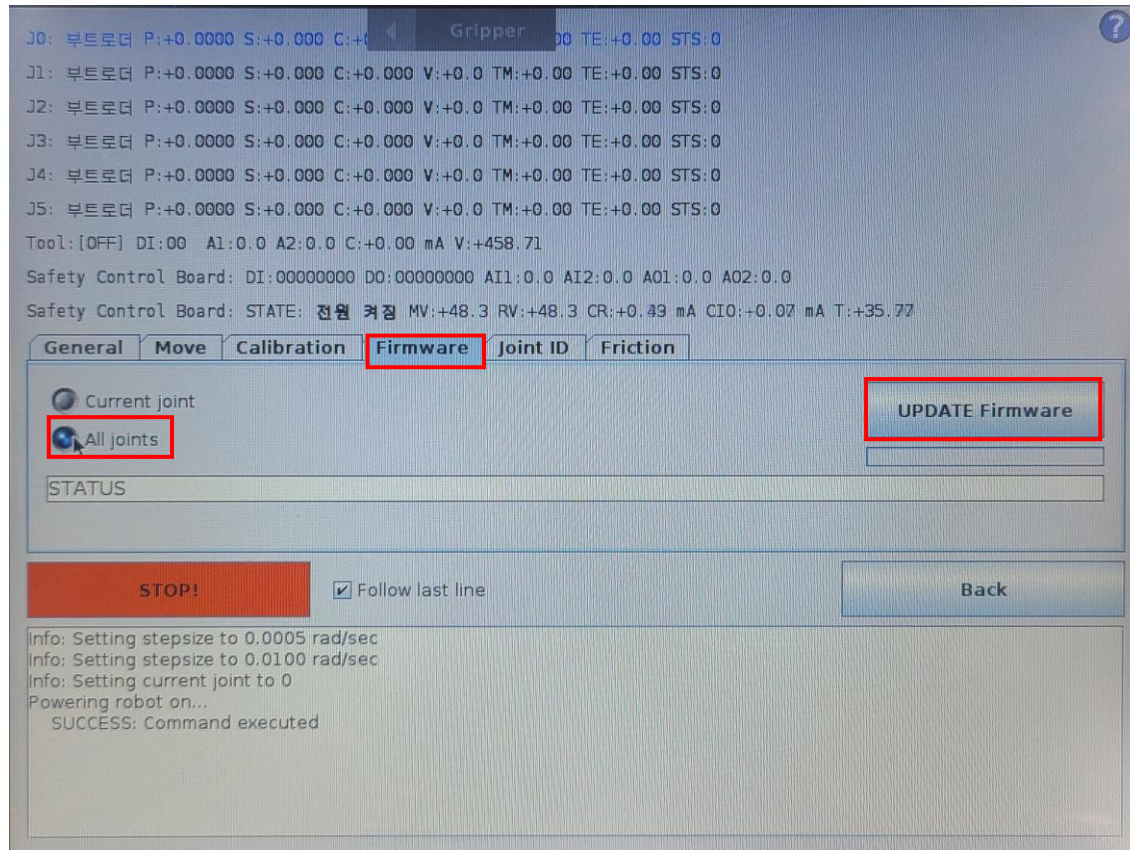
■ Firmware Update



- General 클릭
- Turn power on 클릭

SW & FW Update on a UR

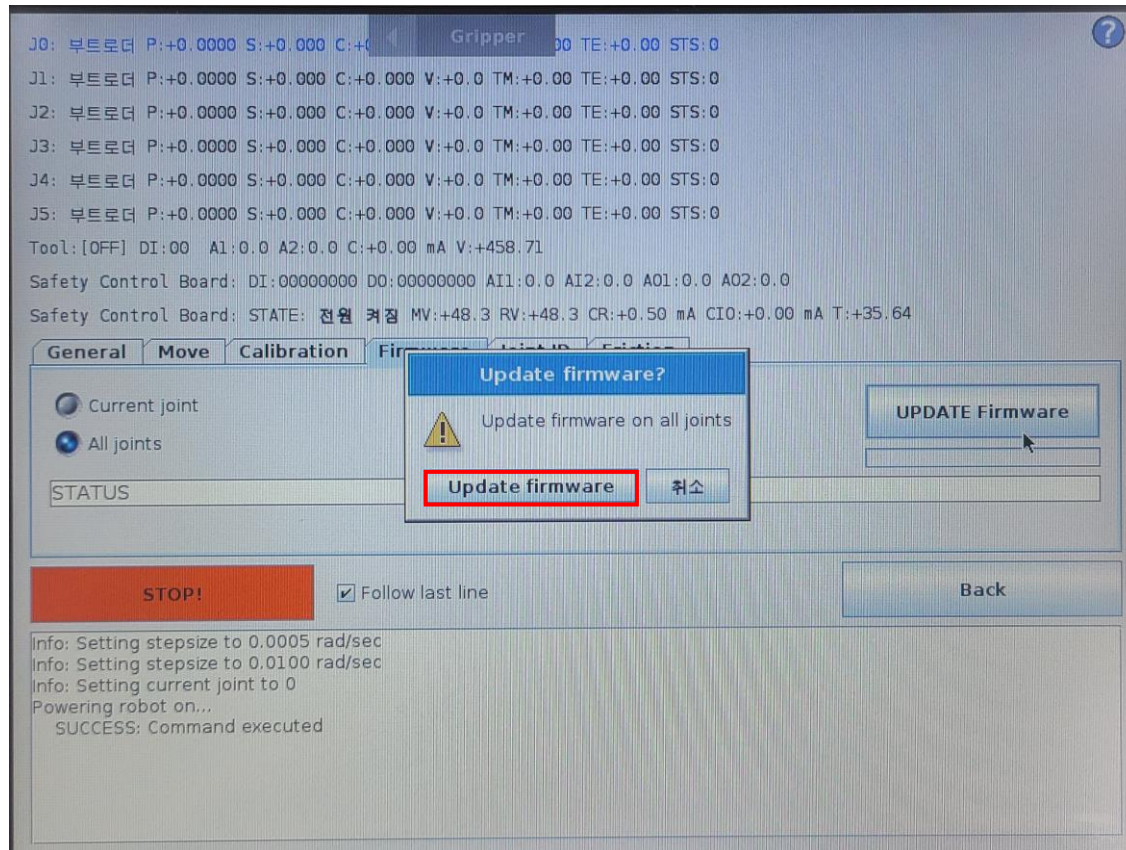
■ Firmware Update



- Firmware 클릭
- All joints 클릭
- UPDATE Firmware 클릭

SW & FW Update on a UR

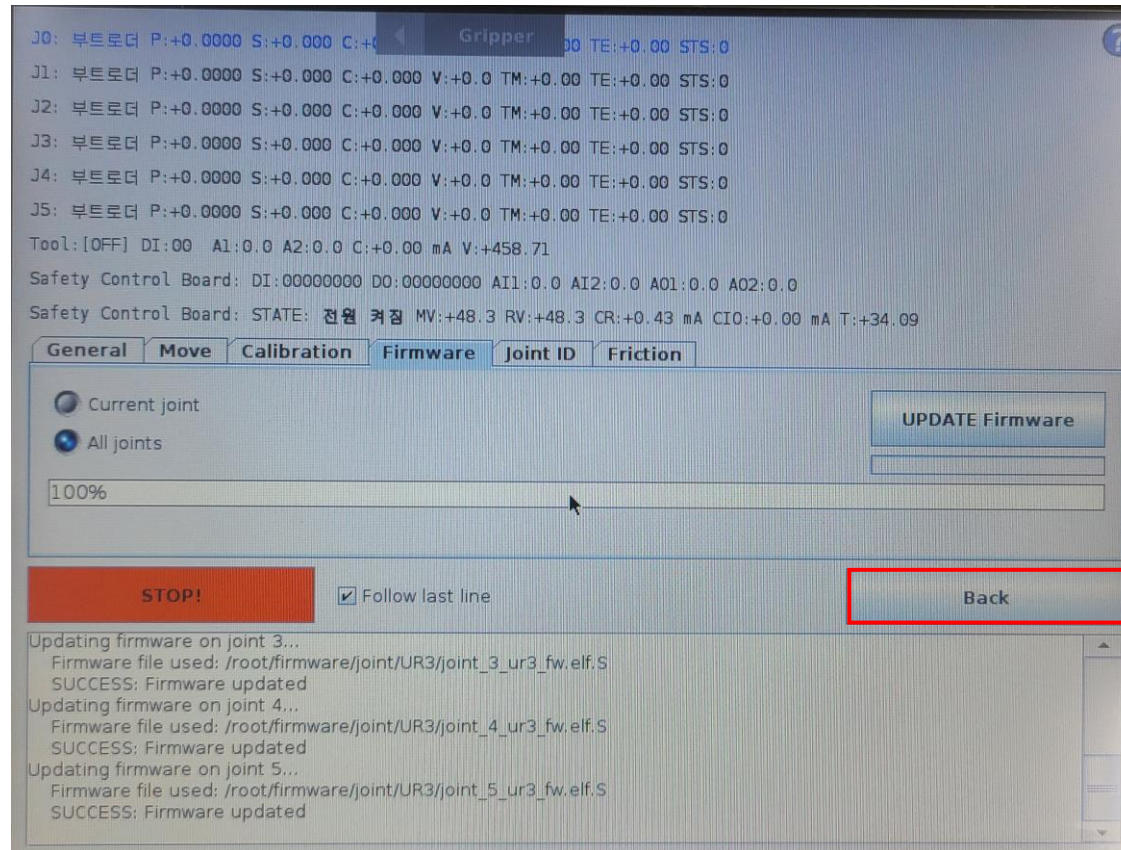
■ Firmware Update



- Update firmware 클릭

SW & FW Update on a UR

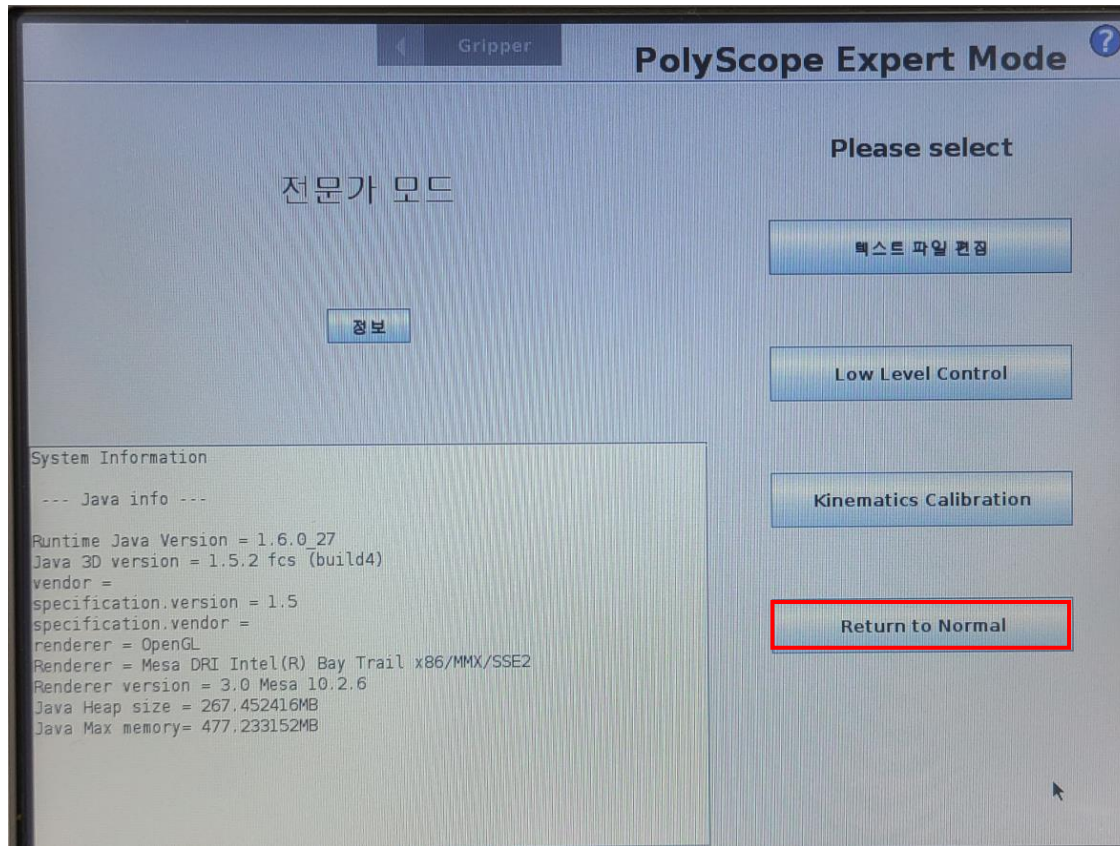
■ Firmware Update



- Firmware update가 완료되면 Back 클릭
- 만약 성공적으로 update 되지 않으면 다시 UPDATE Firmware 클릭

SW & FW Update on a UR

■ Firmware Update



- Return to Normal 클릭
- Firmware Update 성공!!

- THANK YOU