

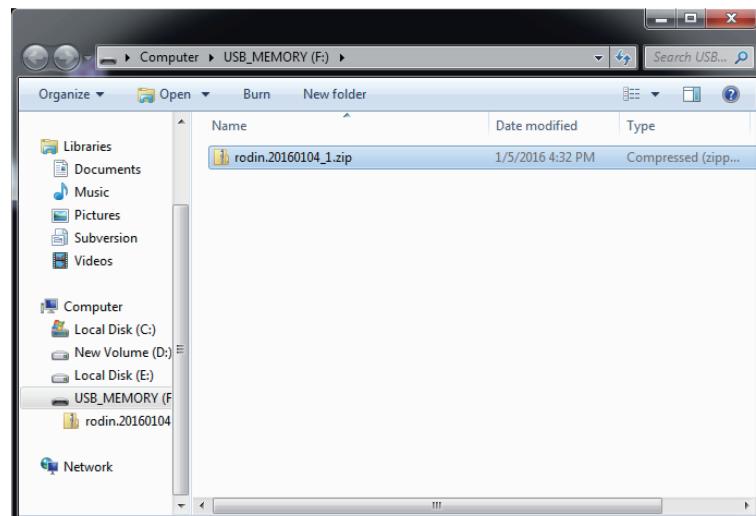
# 1. Updating the device using a USB flash drive

## 1.1 Preparations : USB flash drive

- 1 Visit “3dprinter.sindoh.com.” Click the “Download” tab and download the latest software.

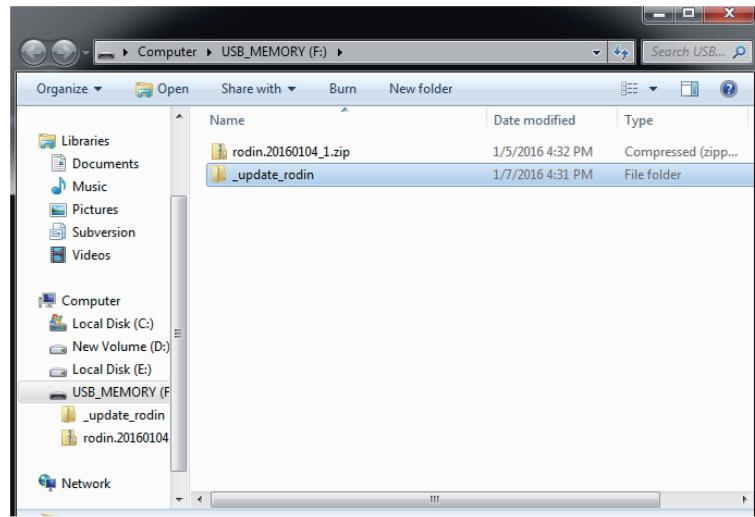
The screenshot shows the Sindoh website's Downloads page. At the top, there are links for English, SUPPORT, and WHERE TO BUY. Below that, a navigation bar includes Main / Support / Downloads. The main content area is divided into sections: Software, Manual, and Firmware. The Firmware section contains a single item: "3DWOX Firmware (version: 20160505\_1) : rodin.v\_20160505\_1.zip". This file is highlighted with a red border.

- 2 Copy the download file to a USB flash drive.

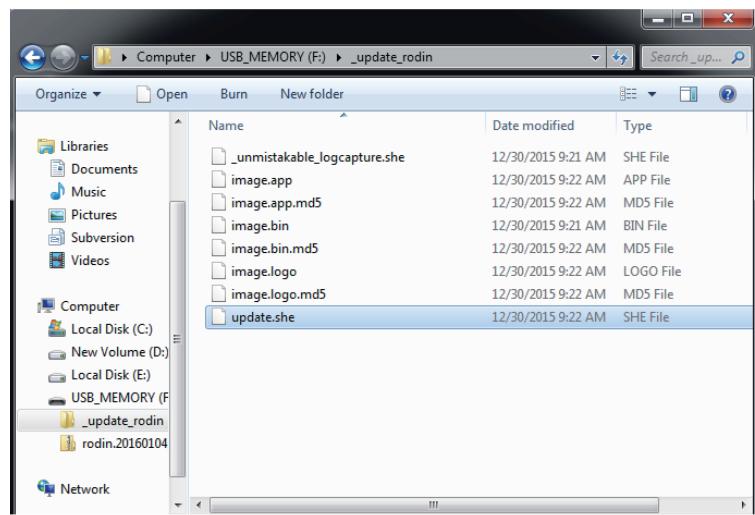


## 1 Updating the device using a USB flash drive

- 3 Unzip the file onto the USB flash drive.



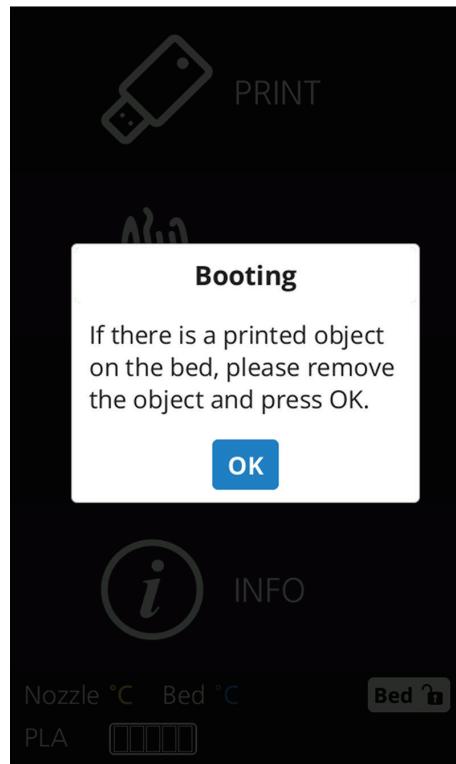
- 4 Make sure the 'update.she' file is inside the 'update\_rodin' folder.



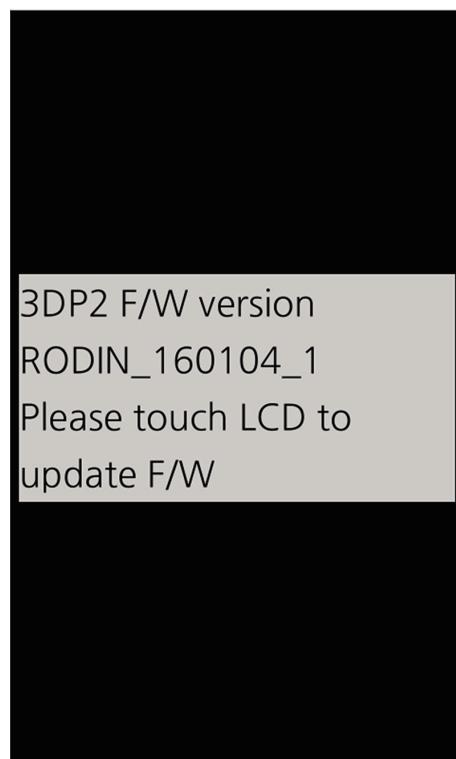
- 5 The USB update file has been formed.

## 1.2 Update

- 1 Turn on the power.
- 2 After booting is complete, insert the USB flash drive when a pop-up message below appears.



- 3 After 3 to 4 seconds, the display will show the message below. Check the current version of the firmware and touch the screen to start the update.



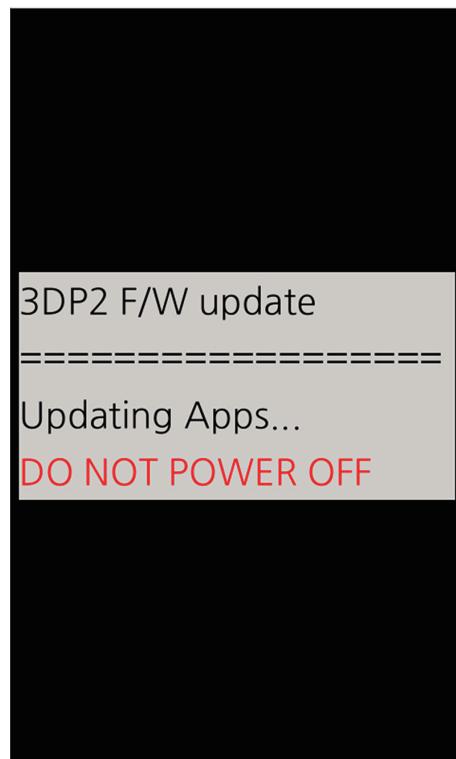
## 1 Updating the device using a USB flash drive

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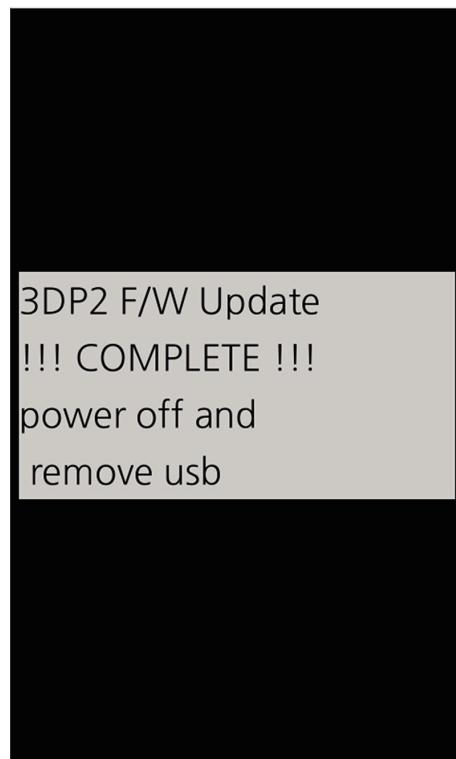
- 4 Copying the files from the USB flash drive. (It will take approximately 30 seconds)



- 5 Update in process. DO NOT turn off the power. (It will take approximately 4 minutes)

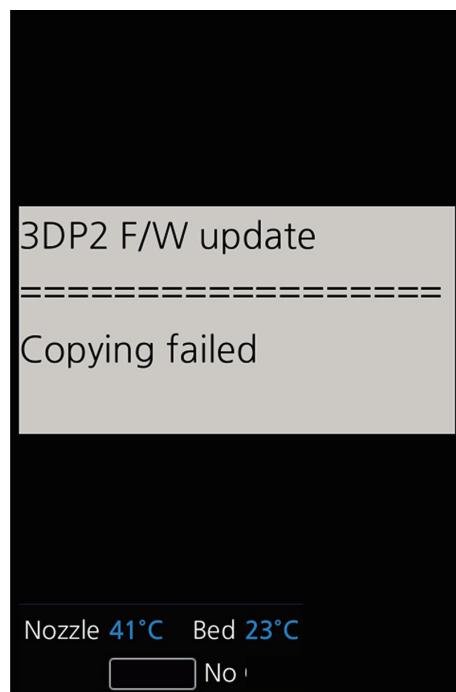


- 6 Update is complete. Remove the USB flash drive and reboot the printer.



**⚠ Caution**

- If the screen shows the message below, please check the list below.



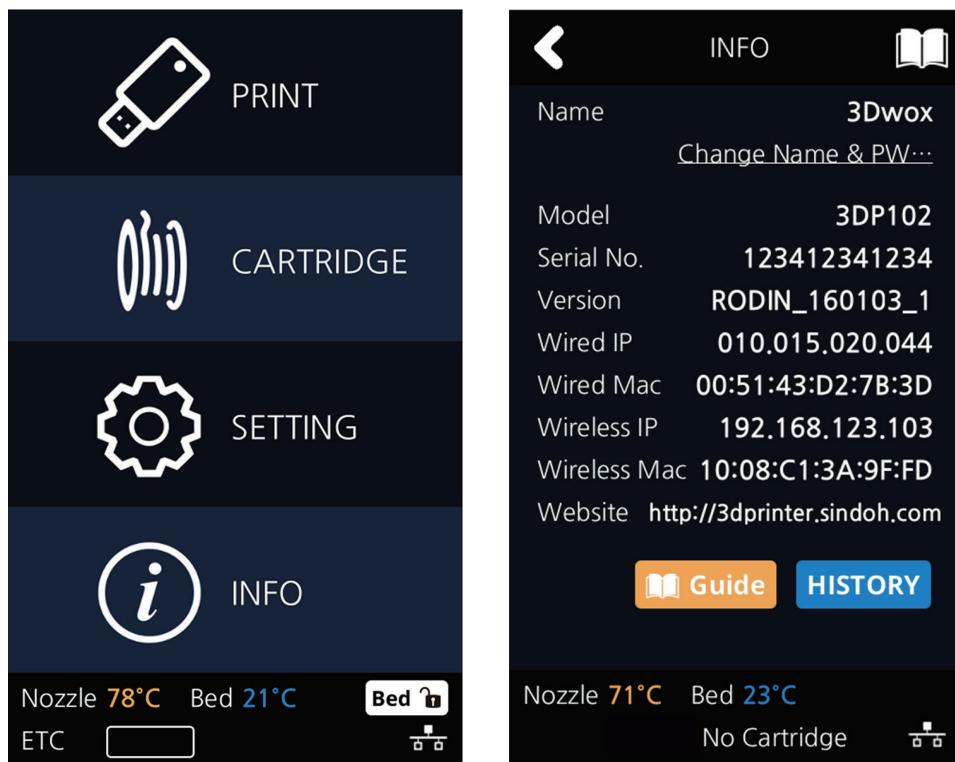
- (1) Make sure the 'update\_rodin' folder is located at the top file location of the USB.
- (2) Make sure the USB memory is properly connected
- (3) Check the cautions above, turn off the power, and reboot. Proceed from step 2) again.

## 2. Online software update

### 2.1 Preparations

- 1 Click “Info” and make sure the device is connected to a network.

(Ex) Wired IP: 10.15.20.44 / Wireless IP 192.168.123.103

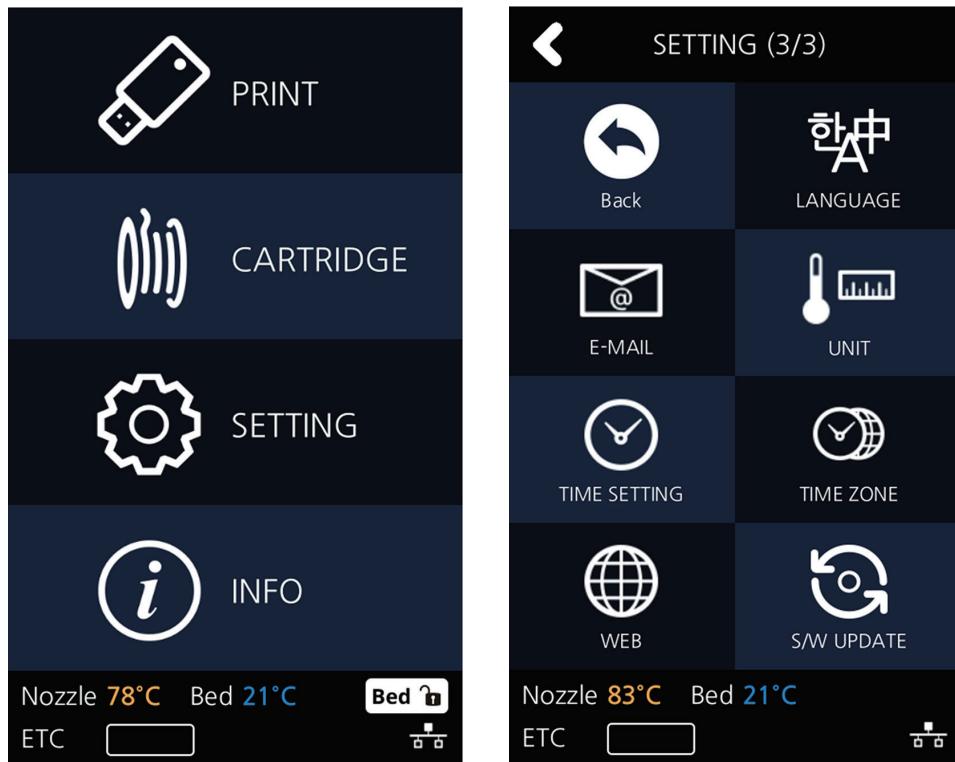


※ In case you are using a fixed IP, be sure to set up the DNS. (Below is an example)

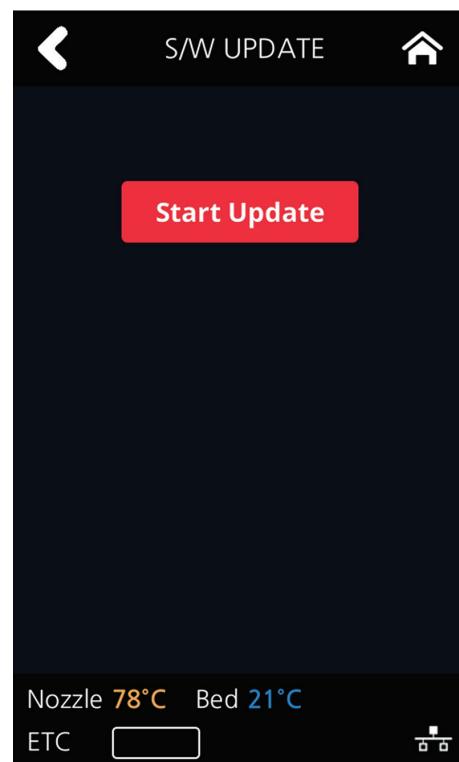


## 2.2 Update

- 1 Go to [Settings] and select [S/W Update]..



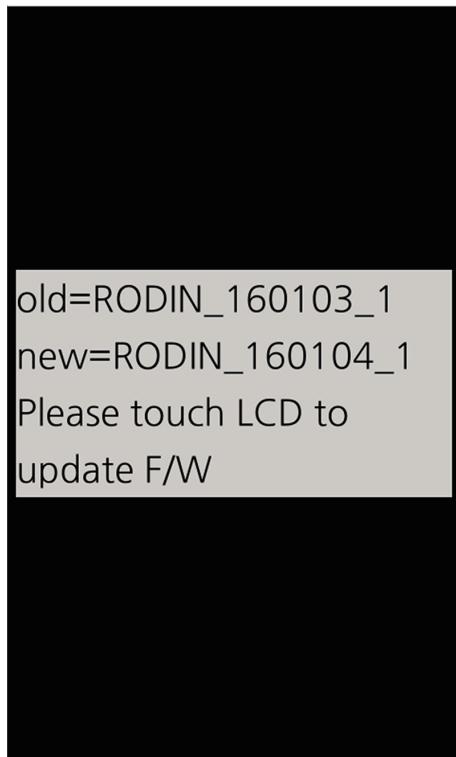
- 2 Click "Start Update."



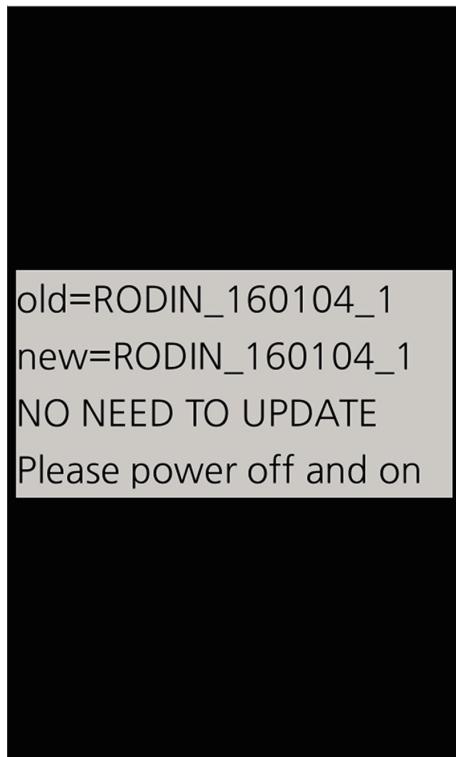
## 2 Online software update

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3 “Old” indicates the current version of the device, and “New” indicates the latest version of software.



As displayed above, the current version is marked 01/03/2016, and the new version to update to is the 01/04/2016 version. Tab LCD once to begin updating to the latest version.



The ‘NO NEED TO UPDATE’ message indicates that the current version of the software is the latest version and an update is unnecessary. Therefore, turn off the power, and reboot the printer.

- 4** Downloading the S/W Package. May take several minutes depending on the network speed.



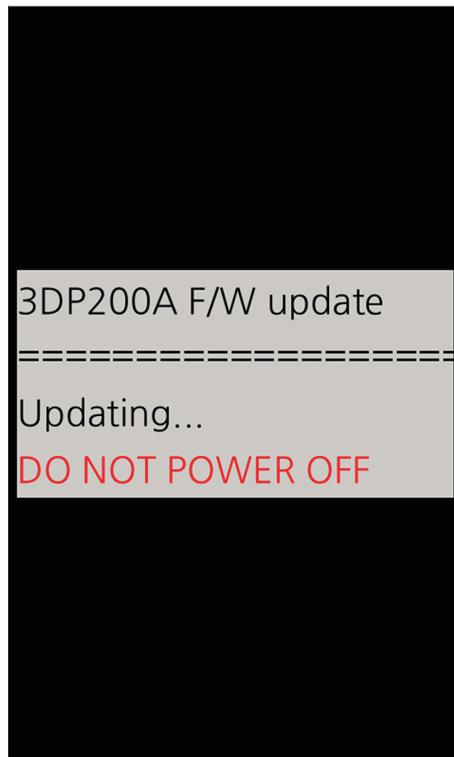
- 5** Getting ready to update. It will take approximately 5 minutes.



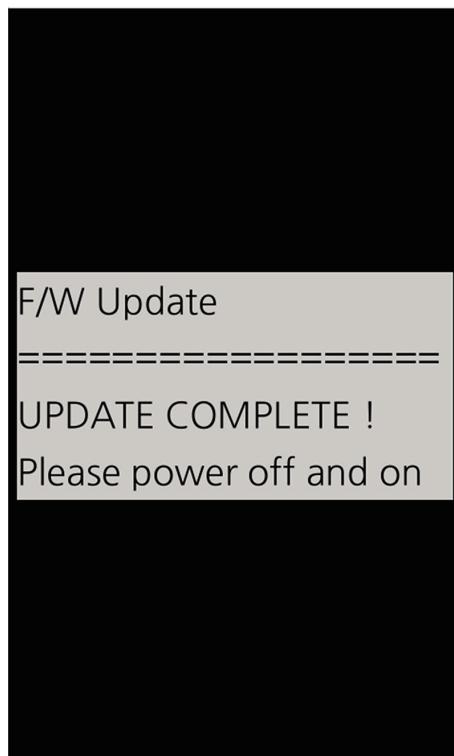
## 2 Online software update

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- 6 Update in process. DO NOT turn off the printer. (It will take approximately 6 minutes)



- 7 Update is complete. Turn off the power and reboot the device to complete the update process.



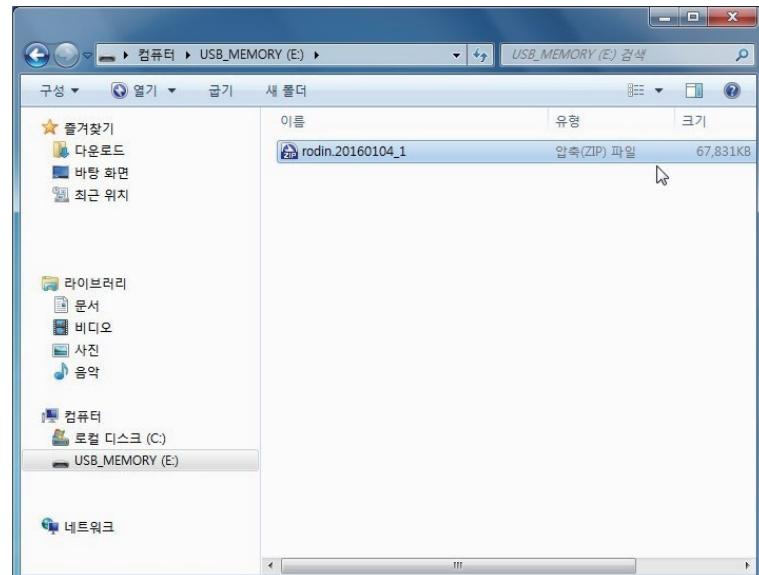
# 1. USB 메모리를 이용한 업데이트

## 1.1 준비사항 : USB memory

3dprinter.sindoh.com에 접속하여, Download탭에서 최신 SW를 다운로드 받습니다.

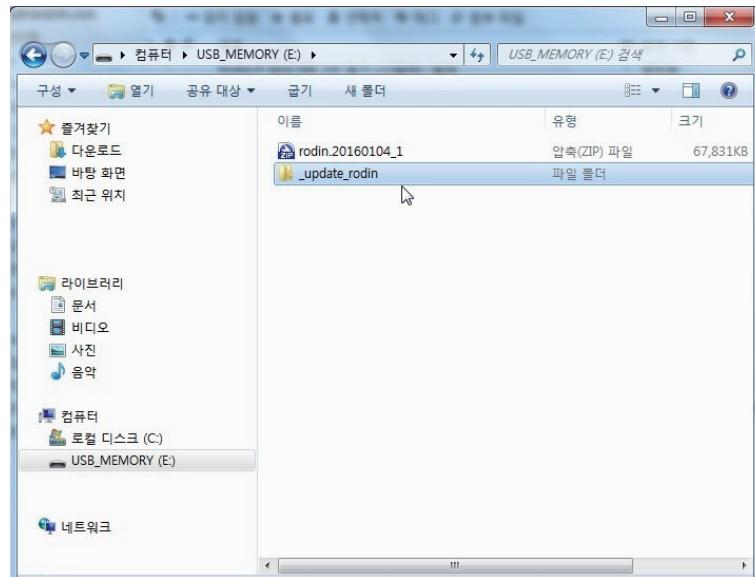
The screenshot shows the Sindoh website's Downloads page. The Software section contains links for 3DWOX Desktop (Windows 7 or later), 3DWOX Desktop Addin for Solidworks (version 0.9.0.1), and 3DWOX Desktop (Mac OS). The Firmware section contains a link for 3DWOX Firmware (version 20160505\_1).

- 1 다운받은 zip파일을 USB 메모리에 복사합니다.

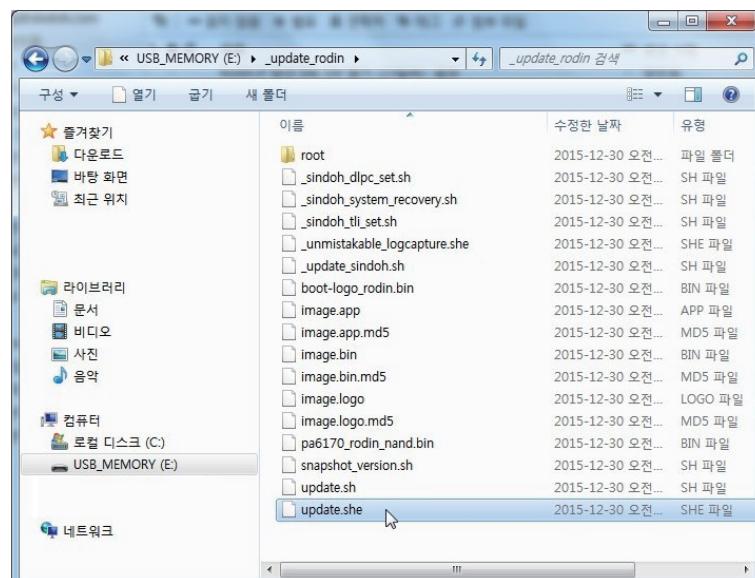


## 1 USB 메모리를 이용한 업데이트

- 2 복사를 한 USB 경로로 들어가서 zip파일 압축을 풉니다.



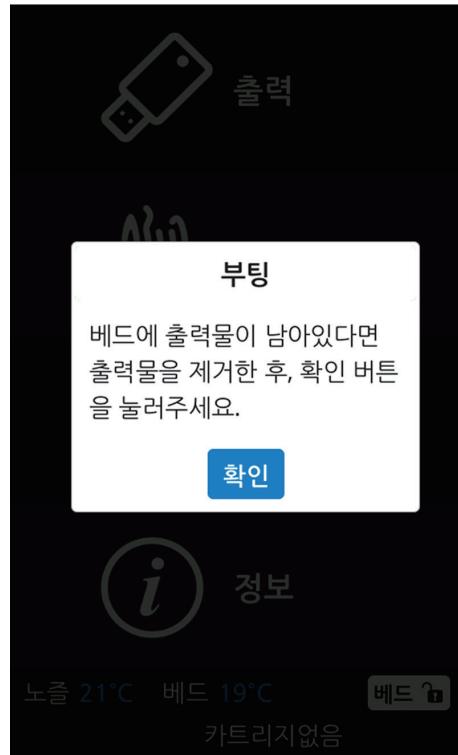
- 3 만들어진 '\_update\_rodin' 폴더 안에 'update.she' 파일이 있는지를 확인합니다.



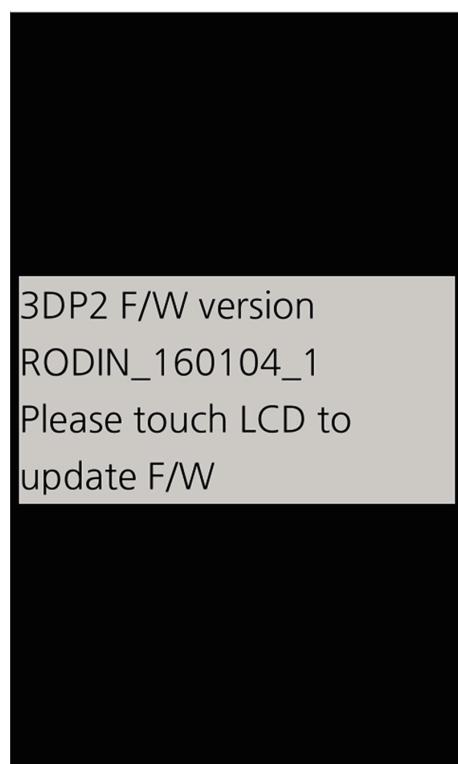
- 4 업데이트 USB제작이 완료되었습니다.

## 1.2 USB memory 업데이트

- 1 기기전원을 켜주십시오.
- 2 부팅 후, 아래의 화면 이후, 제작한 업데이트 USB를 삽입해주십시오.



- 3 약 3~4초 뒤, 아래와 같은 화면이 출력됩니다.  
펌웨어 버전을 확인한 뒤, 화면을 터치하여 업데이트를 시작합니다.



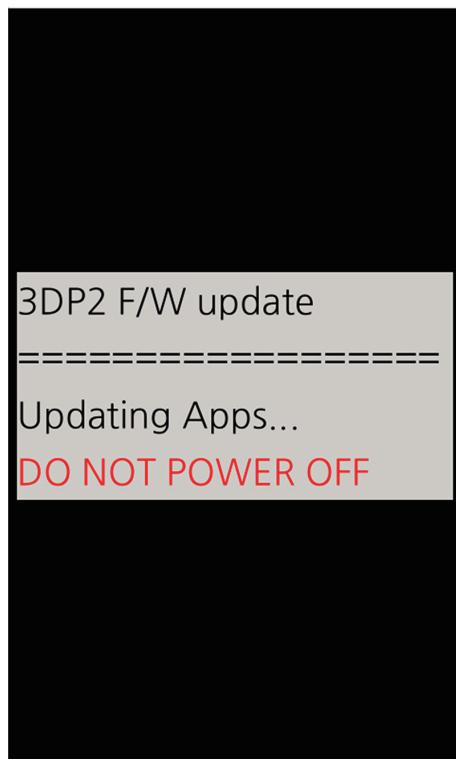
## 1 USB 메모리를 이용한 업데이트

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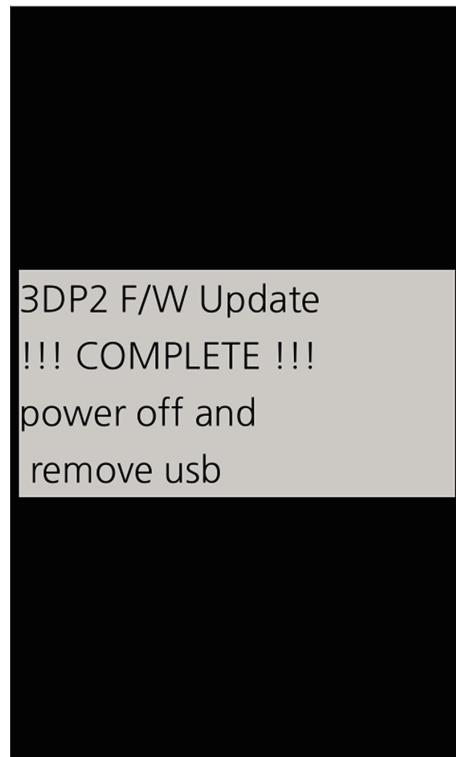
- 4 USB로부터 파일들을 복사합니다. (약 30초 소요)



- 5 업데이트를 하는 중입니다. 절대로 전원을 끄지 마십시오. (약 4분 소요)

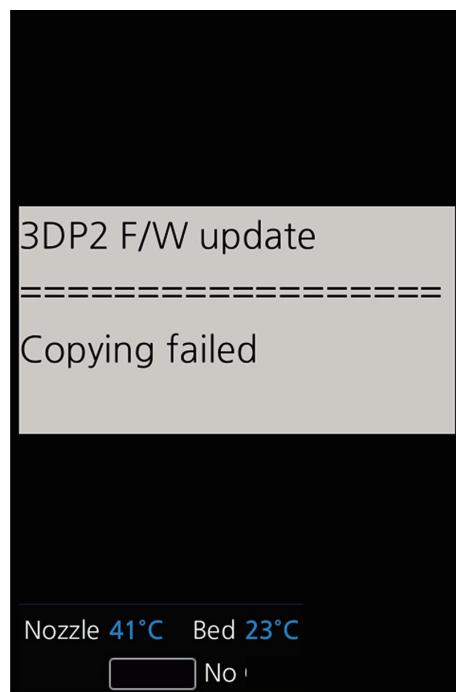


- 6 업데이트가 정상적으로 완료되었습니다. USB를 제거 후, 부팅을 해주십시오.



△ 주의

- 아래와 같이 Copying Fail이란 메시지가 출력되었다면, 아래의 사항을 확인해주십시오.



(1) USB memory안에 최상위 단에 \_update\_rodin이란 폴더를 정상적으로 위치하였는지 확인하십시오.

(2) USB memory가 제대로 연결되었는지 확인하십시오.

위의 사항을 확인 한 후, 기기 전원을 끄고, 다시 켜 뒤에, 위의 2) 항목부터 다시 진행하십시오.

## 2. 온라인 업데이트

### 2.1 사전준비

1 [홈]-[Info]에서 네트워크가 연결되었는지 확인해주세요.

(예시) 유선IP: 10.15.20.44 / 무선IP 192.168.123.103



※ 고정IP의 경우 DNS 설정을 필히 해주세요. (아래는 예시입니다)

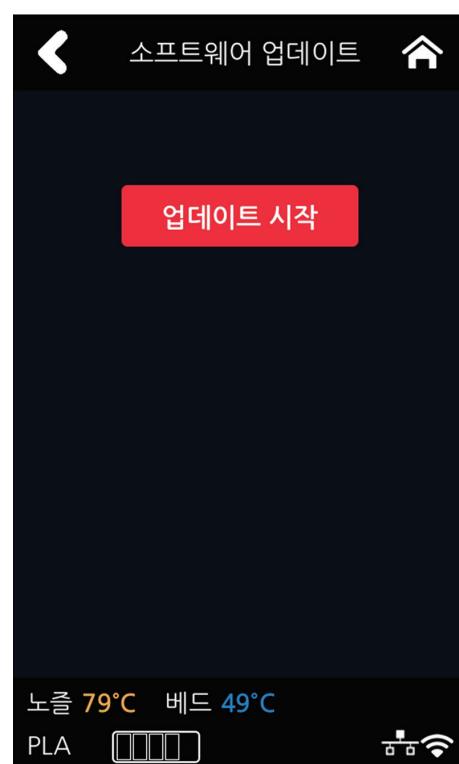


## 2.2 업데이트

- 1 [설정]-[S/W Update]를 터치합니다.



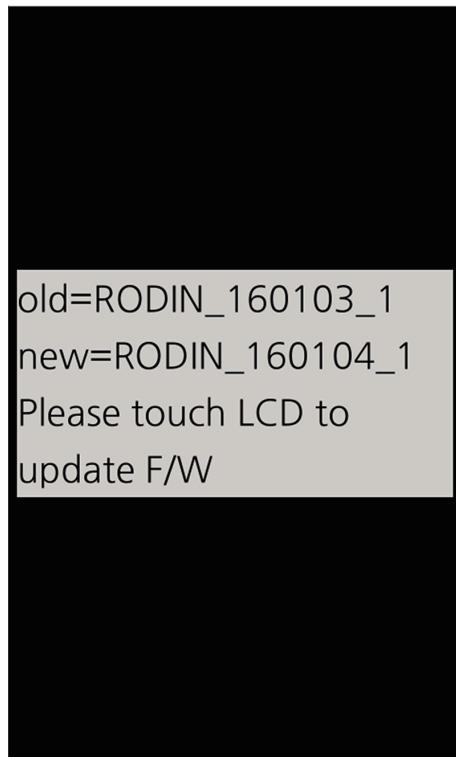
- 2 업데이트 시작을 터치합니다.



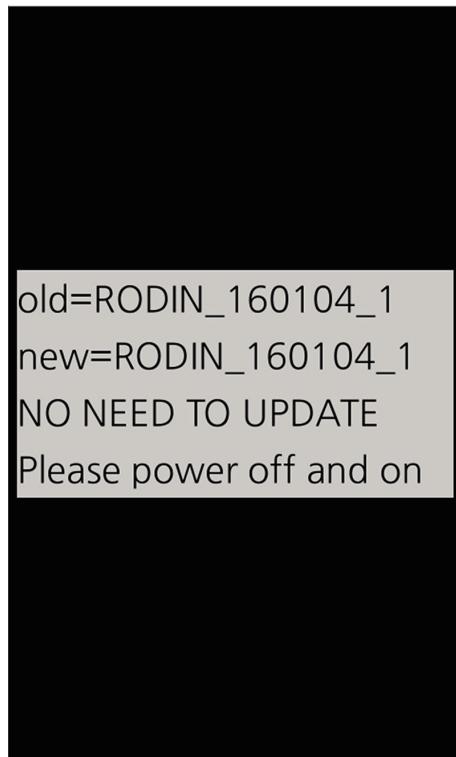
## 2 온라인 업데이트

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- 3 Old는 현재 기기의 버전이 표시되며, new는 최신 배포된 SW버전을 표시합니다.



위와 같이 현재 버전은 16년 1월 3일이며, 새로 업데이트할 버전은 16년 1월 4일 버전입니다.  
이때 LCD를 한번 터치하시면 16년 1월 4일 버전의 SW로 업데이트를 시작합니다.



'NO NEED TO UPDATE'메시지는 SW버전이 이미 최신이므로, 업데이트를 할 필요가 없습니다.  
따라서 전원을 끄고, 다시 켜주시기 바랍니다.

- 4 S/W패키지를 다운로드 중입니다. Network환경에 따라 수분이 소요가 될 수 있습니다.



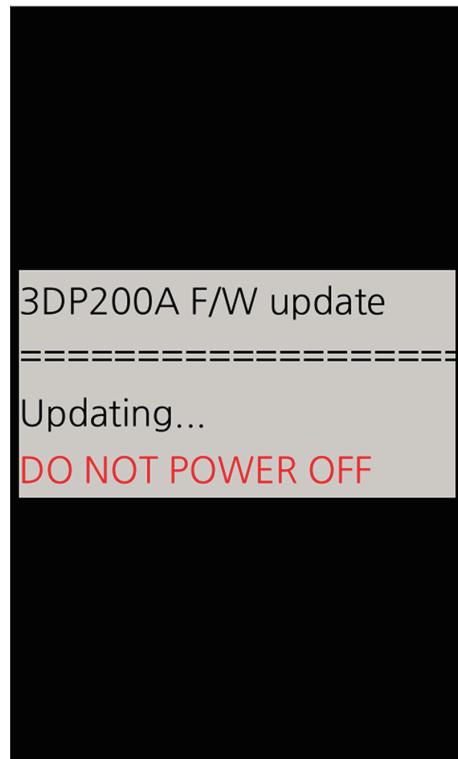
- 5 업데이트를 준비합니다. 약 5분 정도 소요됩니다.



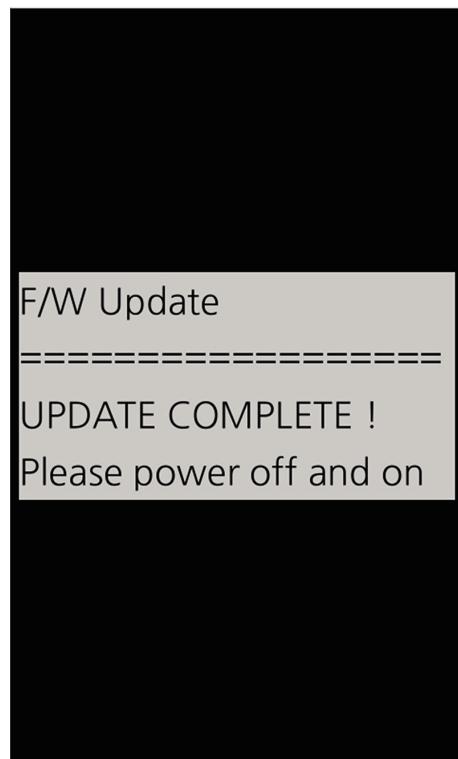
## 2 온라인 업데이트

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- 6 업데이트를 하는 중입니다. 절대로 전원을 끄지 마십시오. (약 6분 소요)



- 7 업데이트가 완료되었습니다. 전원을 끄고, 다시 켜면, 업데이트가 완료됩니다.



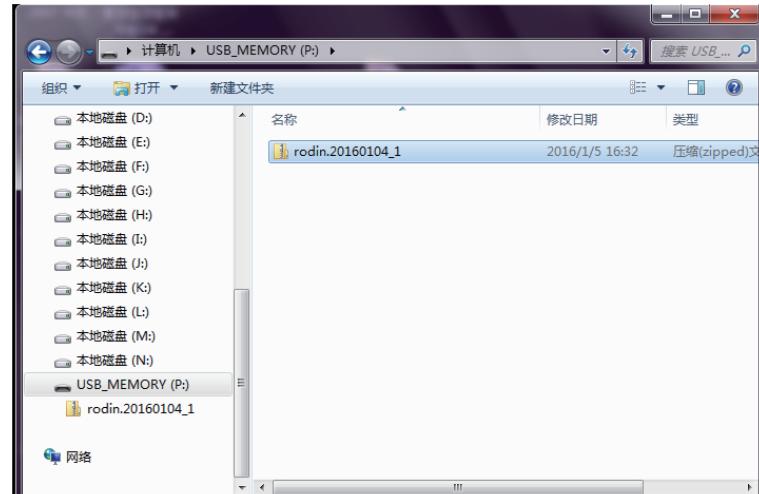
# 1. 利用U盘进行升级

## 1.1 准备:U盘

1 登陆3dprinter.sindoh.com,在下载界面下载软件包。

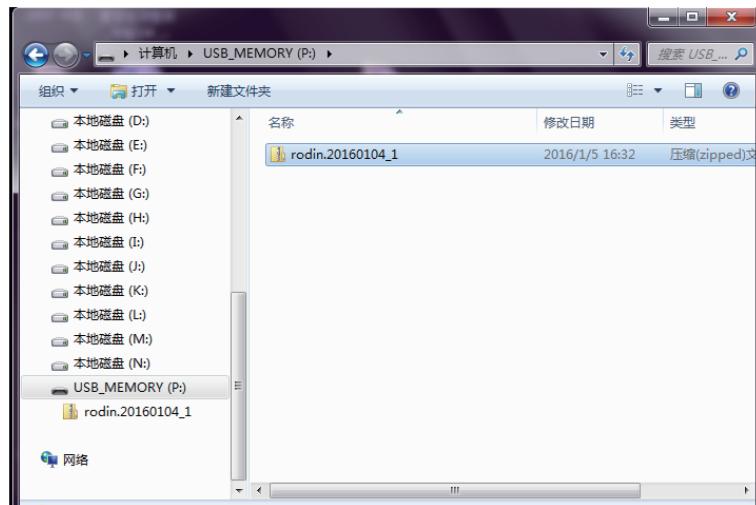
The screenshot shows the Sindoh download page. At the top, there are language links (English | 中文), navigation tabs (产品介绍, 消耗品, 服务&下载, 购买渠道), and a breadcrumb trail (主页 / 服务&下载 / 下载). Below this, there are two main sections: "软件" (Software) and "手册" (Manuals). The "软件" section lists several executables: 3DWOXDesktop (win7或更高版本) (版本: 1.0.8.0); 3DWOX Desktop\_v1.0.8.0.exe; 3DWOXDesktop Addin for Solidworks (版本: 0.9.0.1); SwAddin3DWOX.exe; 3DWOXDesktop (Mac OS) (版本: 1.0.5); 3DWOX/Desktop\_v\_1.0.5.pkg; Mac OSX 10.10 (Yosemite) 或以上版本。The "手册" section lists various PDFs: 3DWOX 手册(ENG); 3DWOX\_User\_Manual\_ENG.pdf; 3DWOX 手册(KOR); 3DWOX\_User\_Manual\_KOR.pdf; 3DWOX 手册(CHN); 3DWOX\_User\_Manual\_CHN.pdf; 快速安装指南; QuickInstallationGuide.pdf; 3DWOX Solidworks Addin 手册; 3DWOX\_Solidworks\_addin\_manual.zip; 3DWOXDesktop 手册; 3DWOXDesktop.manual.zip; 更换喷嘴单元; Nozzle Unit replacement User Guide.pdf. Below these sections is a "固件" (Firmware) section containing a single item: 3DWOX 固件 (版本: 20160505\_1); rodin.v\_20160505\_1.zip, which is highlighted with a red border.

2 将下载的zip文件放入U盘根目录。

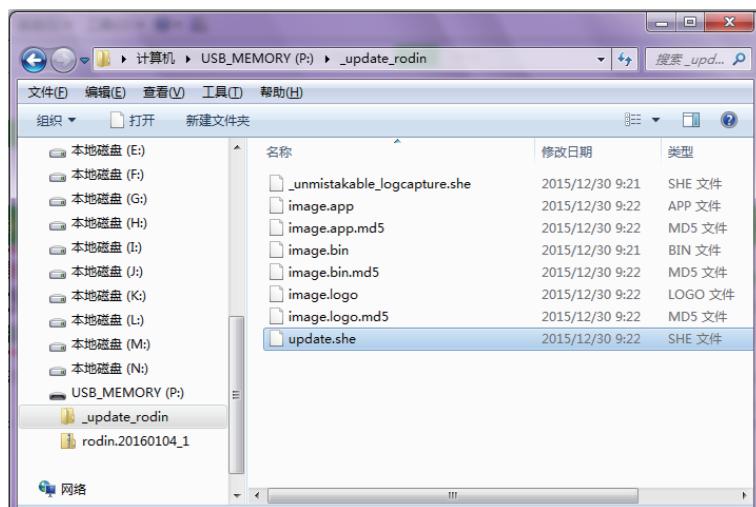


## 1 利用U盘进行升级

3 在U盘中将zip文件解压缩。



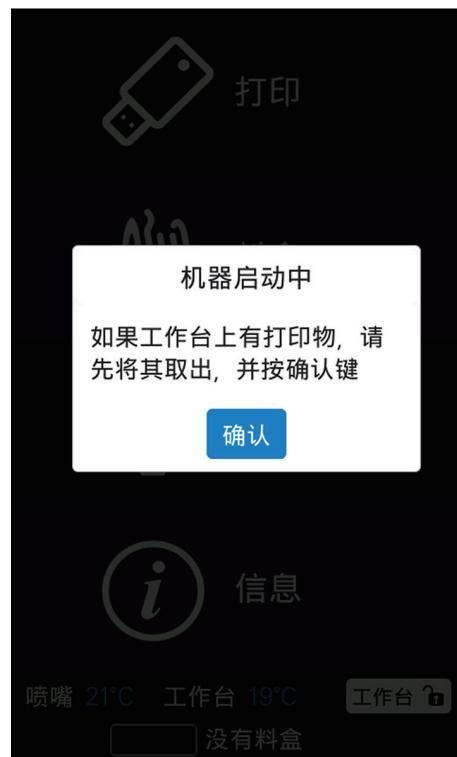
4 确认解压得到的\_update\_rodin的文件夹内是否有update.she文件。



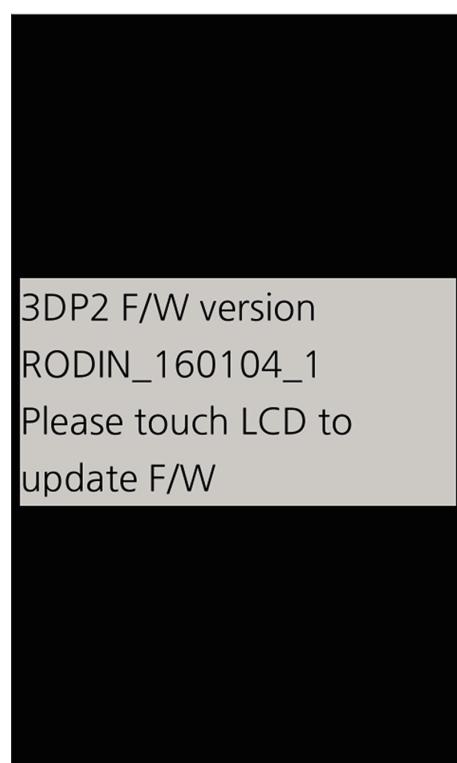
5 升级用U盘制作完毕。

## 1.2 U盘升级

- 1 开机。
- 2 如下画面，机器完全启动后，插入升级用U盘。



- 3 约3~4秒后，出现如下画面。  
确认版本后，点击屏幕，开始升级。



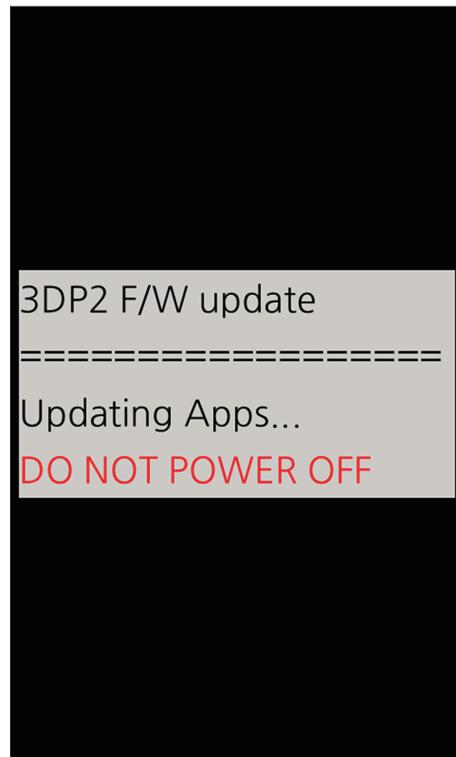
## 1 利用U盘进行升级

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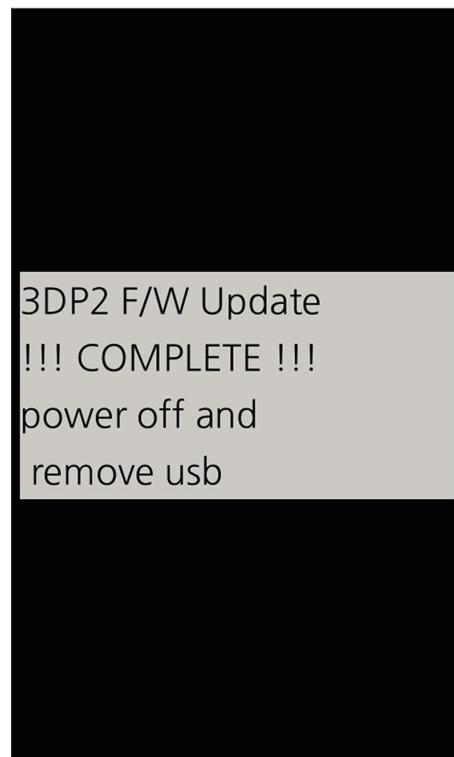
4 复制U盘内的文件。(约30秒)



5 升级中, 请勿关闭电源。(约4分钟)

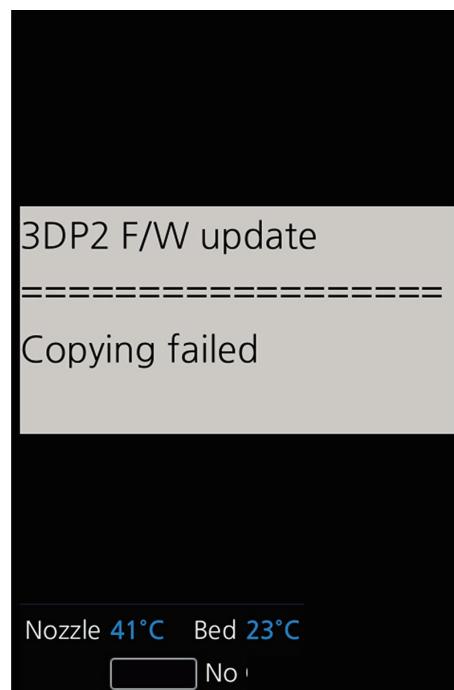


6 升级完成，拔下U盘，重启机器。



△ 注意

- 如下图所示Copying Fail信息出现时，请确认以下事项：



(1) 请确认\_update\_rodin文件是否在U盘根目录下。

(2) 请确认U盘连接是否正常。

以上事项确认后，重启机器，从步骤2) 开始重新进行升级。

## 2. 联网升级

### 2.1 事先准备

1 [主页]-[信息]下，确认是否已连接网络

(例) 有线IP地址: 10.15.20.44 / 无线IP地址 192.168.001.108



\* 固定IP地址的情况必须要进行DNS设定。(如下图所示)

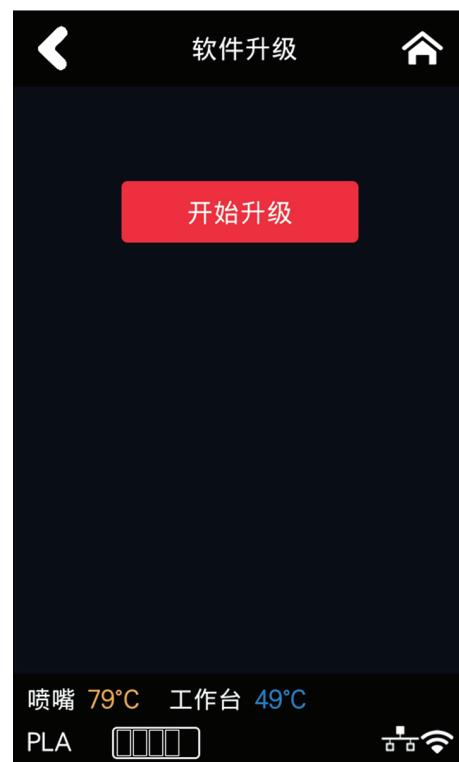


## 2.2 联网升级

1 选择[设置]-[软件升级]。

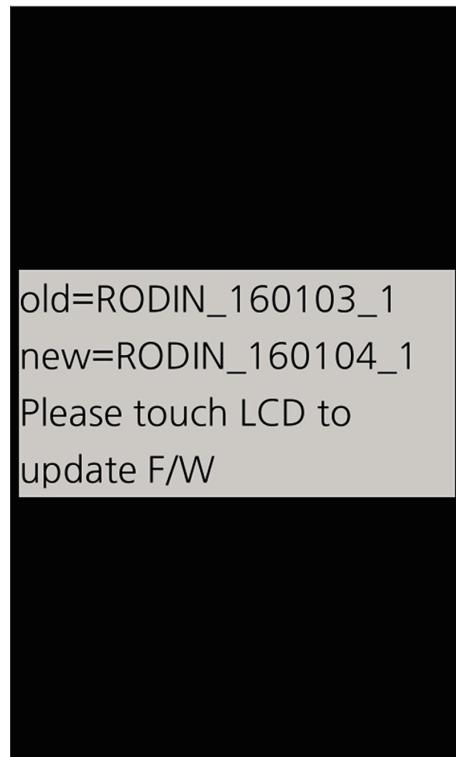


2 点击开始升级。



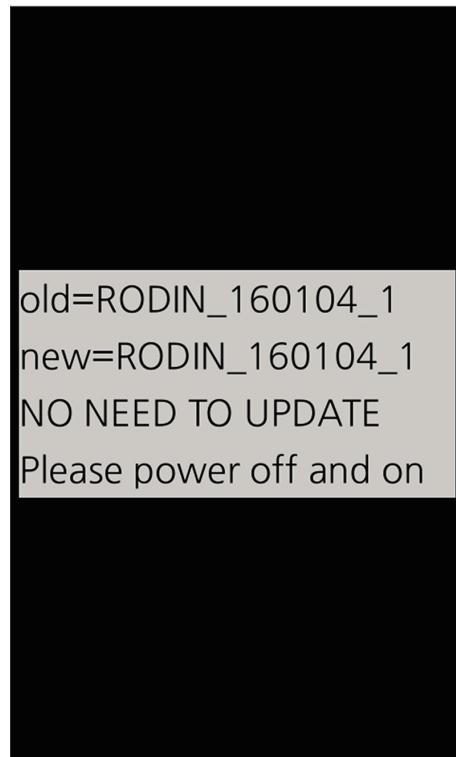
## 2 联网升级

3 Old是目前软件版本号, new是最新软件版本号。



如上图所示目前的软件是16年1月3号版本，要升级的新版本是16年1月4号的版本。

此时，点击一下屏幕，就会升级至最新的16年1月4号的版本



‘NO NEED TO UPDATE’信息出现时，表示目前已经是最新版本，无需升级，重启机器即可。

- 4 正在下载软件包，根据网络状况，可能需要几分钟时间。



- 5 准备升级，大概需要5分钟时间。



## 2 联网升级

6 升级中，请勿关闭电源。（约6分钟）



7 升级完成。重启机器，完成升级。

