

The PG02, PG06, PG07, and PG08 FW update tool guide for macOS

There are four sections in the guide.

A. Installation of the FW Update tool on:

- 1) MacBook with Intel processor click [here](#)
- 2) MacBook with M1 Chip click [here](#)

B. To learn how to run the update tool, click [here](#)

C. To learn how to Uninstall the update tool, click [here](#)

D. For Troubleshooting, click [here](#)

A1- Installing the FW Update tool on Macbooks with Intel processor

Please pay attention to **the red font** in the guide and follow the instructions in **the red font**.

1. Please double-click the file name of the installer. In this example, double-click the 'PG02_update_tool_0206.pkg' as shown in Figure A-1.

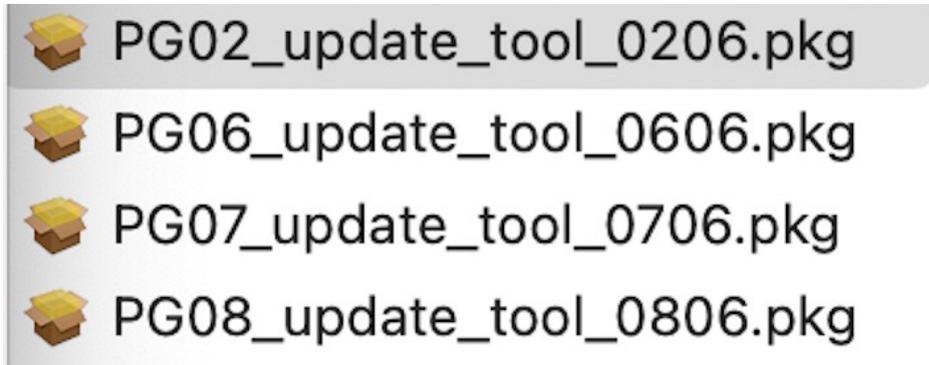


Figure A-1

2. Please follow the instructions to install the update tool as shown in Figure A-2.

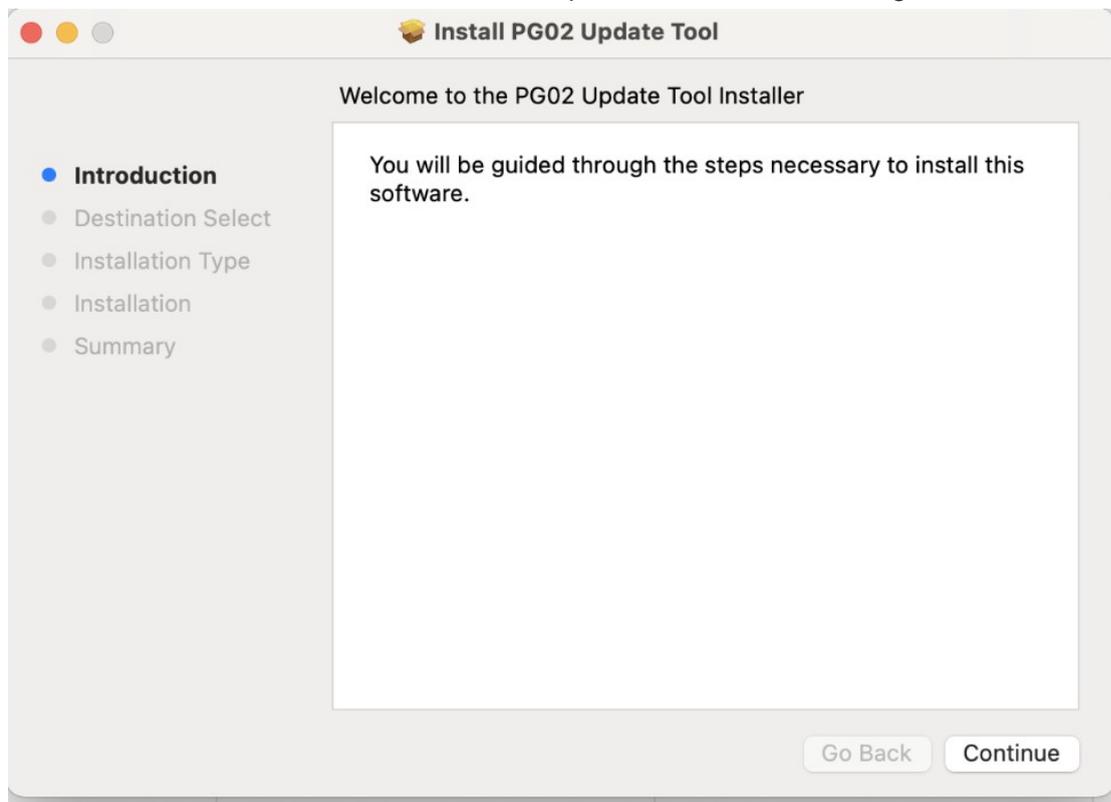


Figure A-2

3. **Please authorize if required as shown in Figure A-3.**

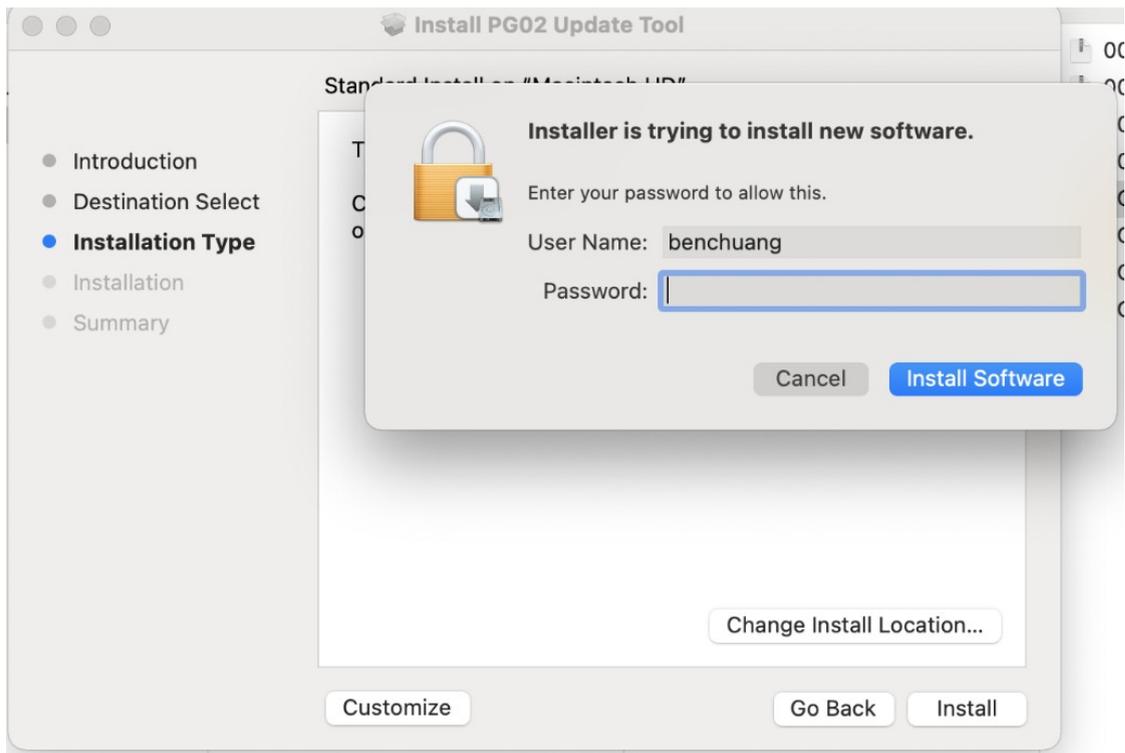


Figure A-3

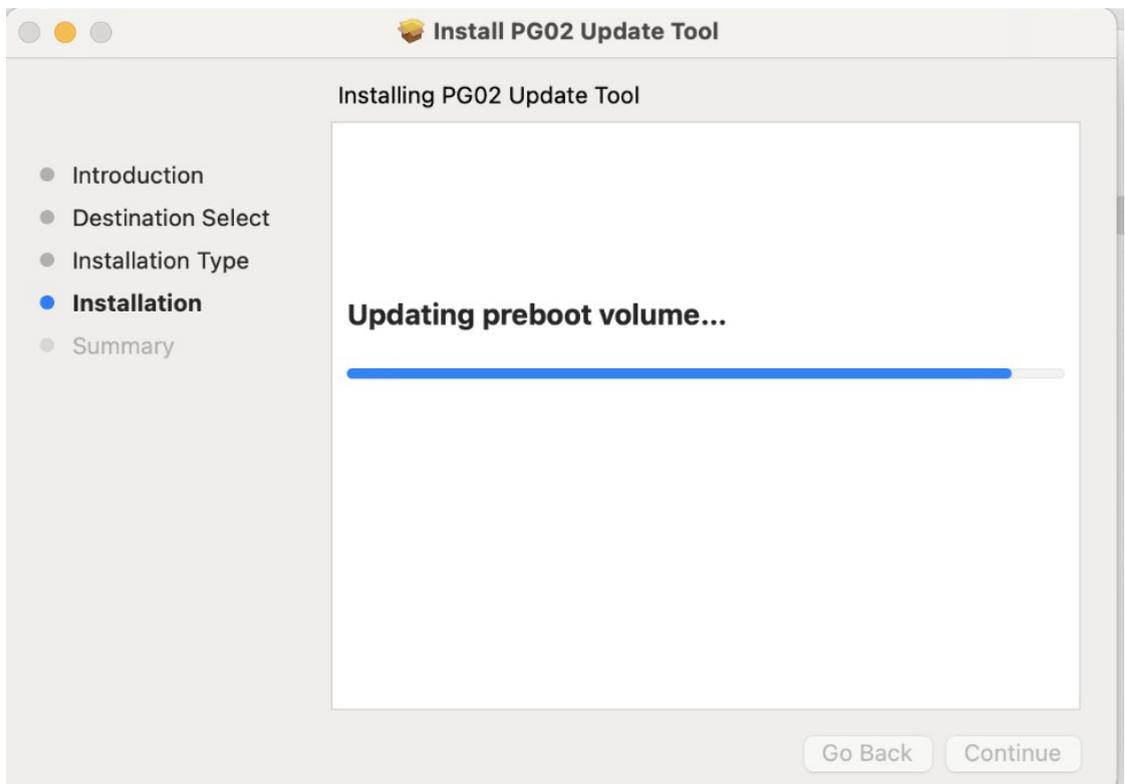


Figure A-4

4. Please choose **'Open Security Preferences'** when showing **'System Extension Updated'** as shown in Figure A-5.

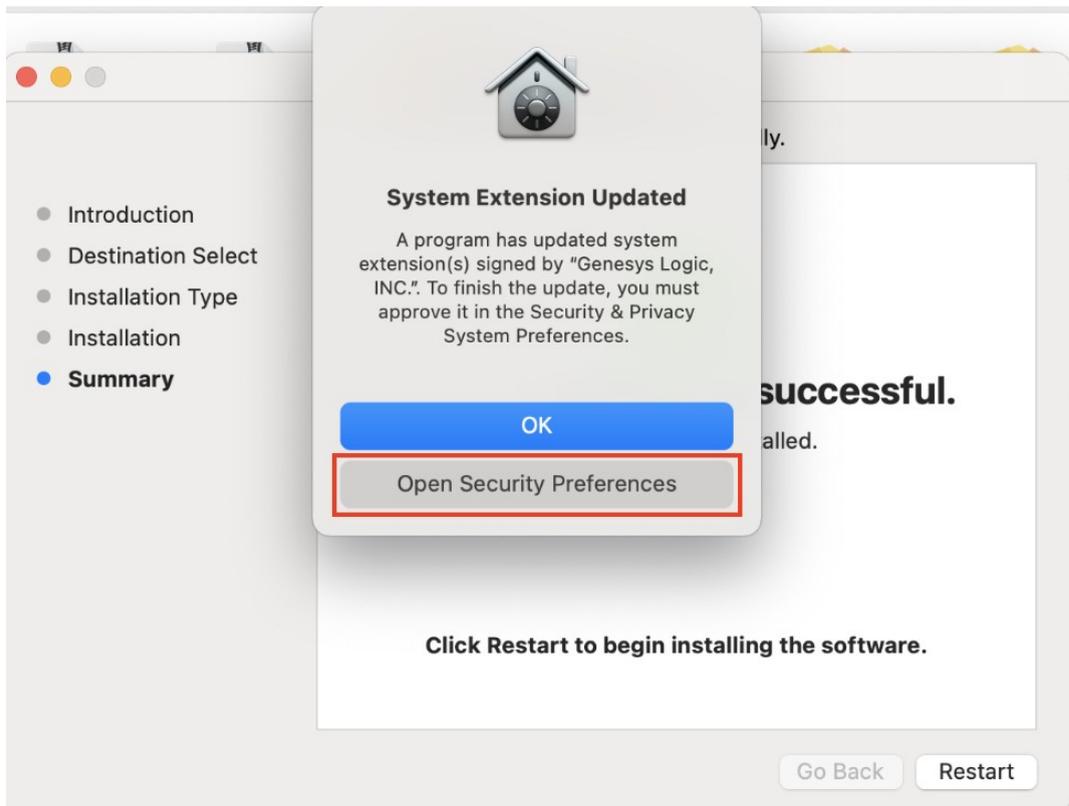


Figure A-5

5. Please click the **'Click the lock to make changes'** to unlock it as shown in Figure A-6.

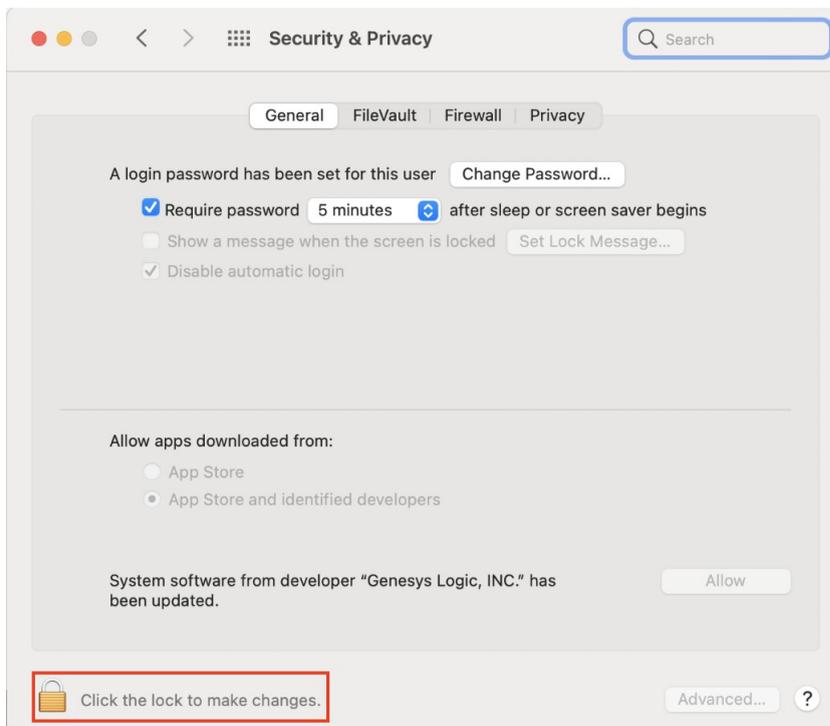


Figure A-6

6. Please click the **'Allow'** button as shown in Figure A-7.

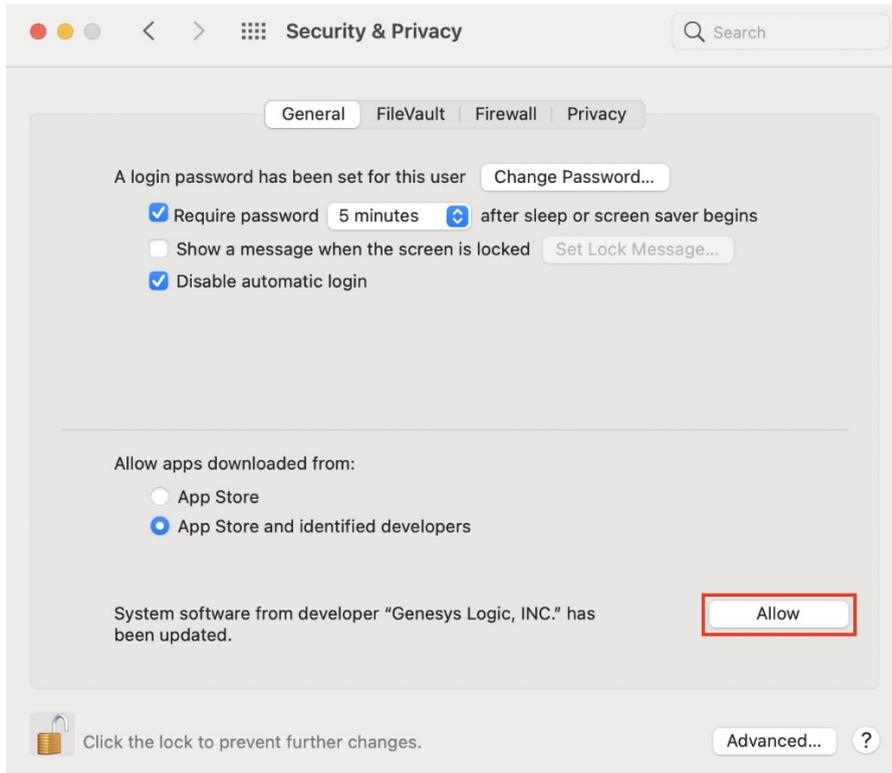


Figure A-7

7. Please click **'Not Now'** when showing **'A restart is required before new system extensions can be used'** as shown in Figure A-8.

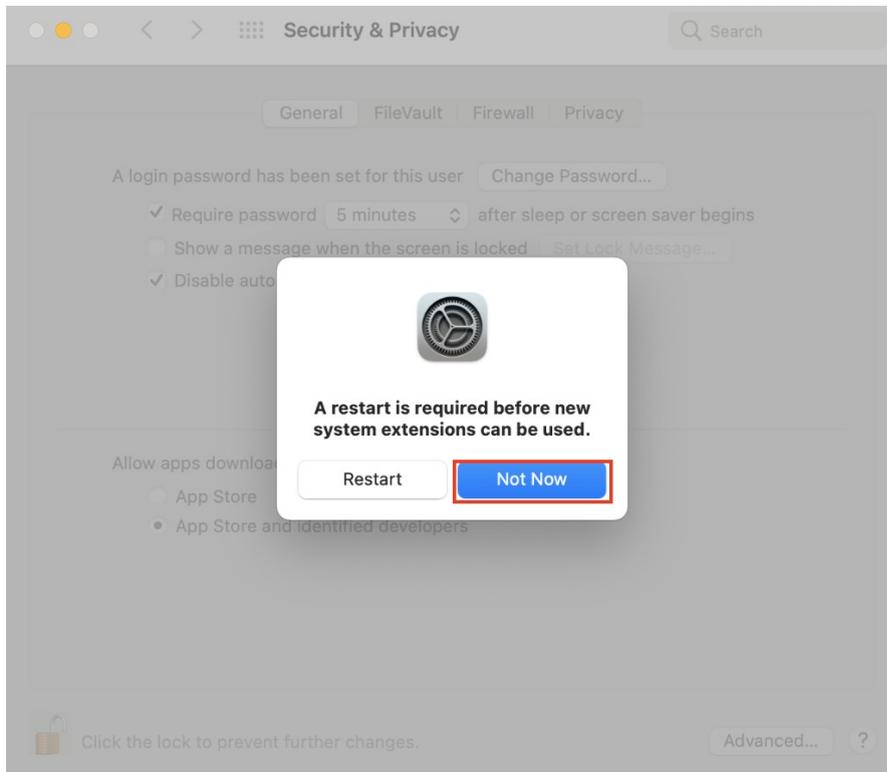


Figure A-8

8. Please back to the install process and click the **Restart** button as shown in Figure A-9.

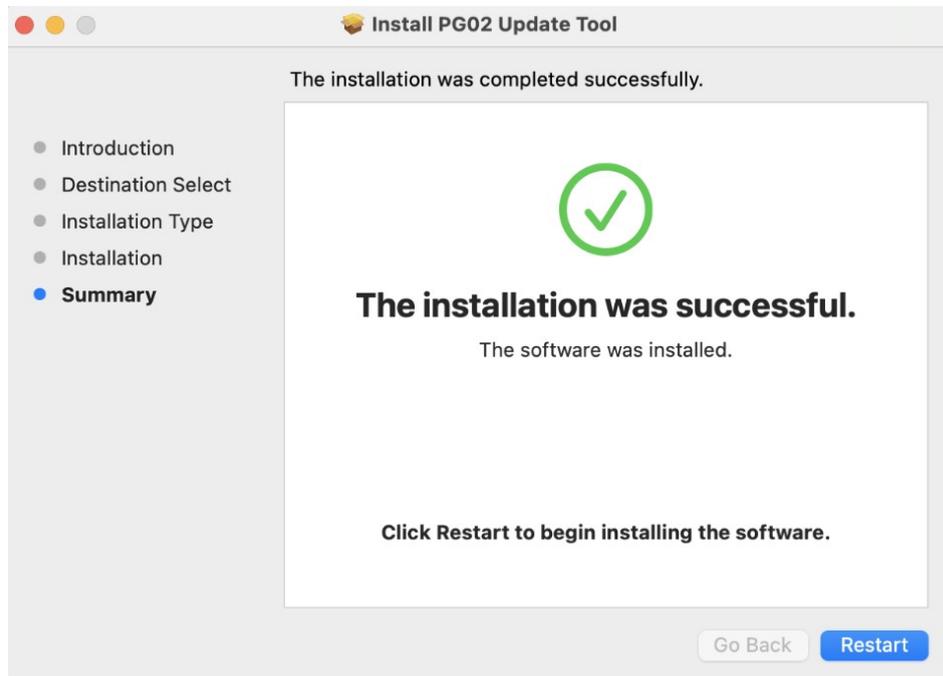
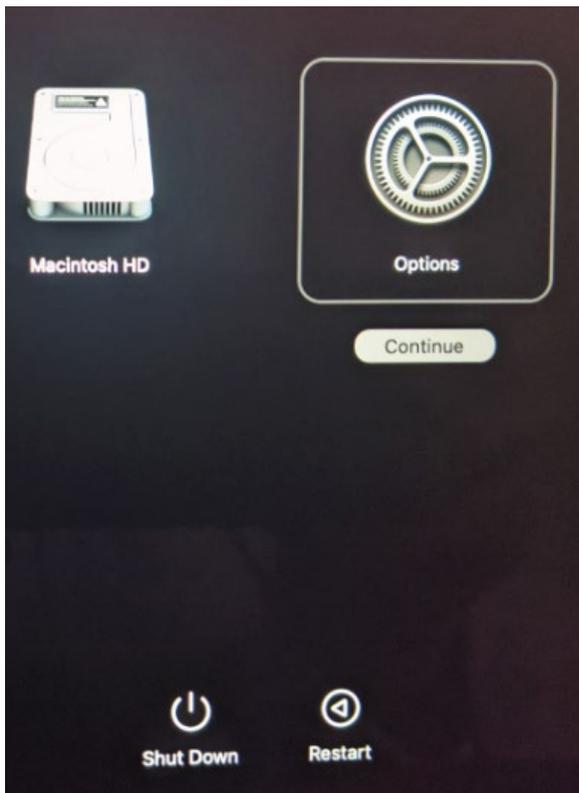


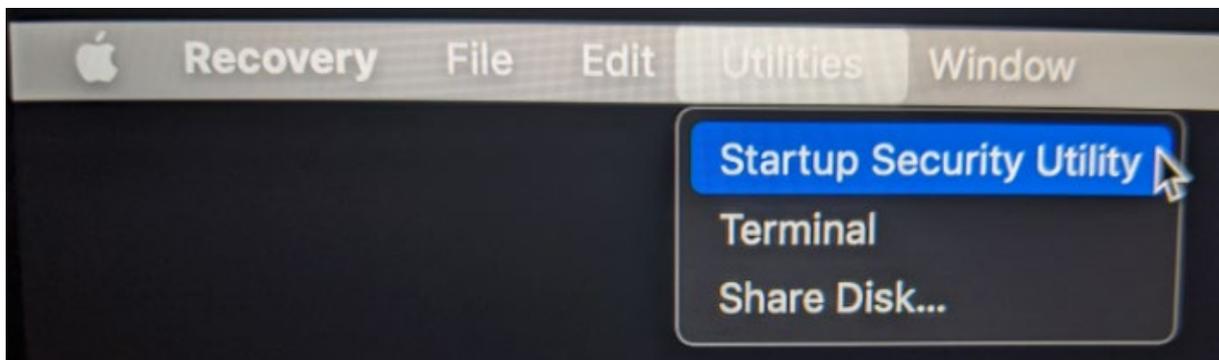
Figure A-9

A2- Installing the FW Update tool on Macbooks with M1 Chip:

1. If you have Mac M1, please follow steps below before installing and running the FW SD 0006 auto-run program.
2. On the Mac with Apple M1 silicon, choose Apple menu  > Shut Down.
3. Press and hold the power button until you see “Loading startup options.”
4. Click Options, then click Continue.
 - If requested, enter the password for an administrator account.
 - Your Mac opens in Recovery mode.



5. In macOS Recovery, choose Utilities > Startup Security Utility.

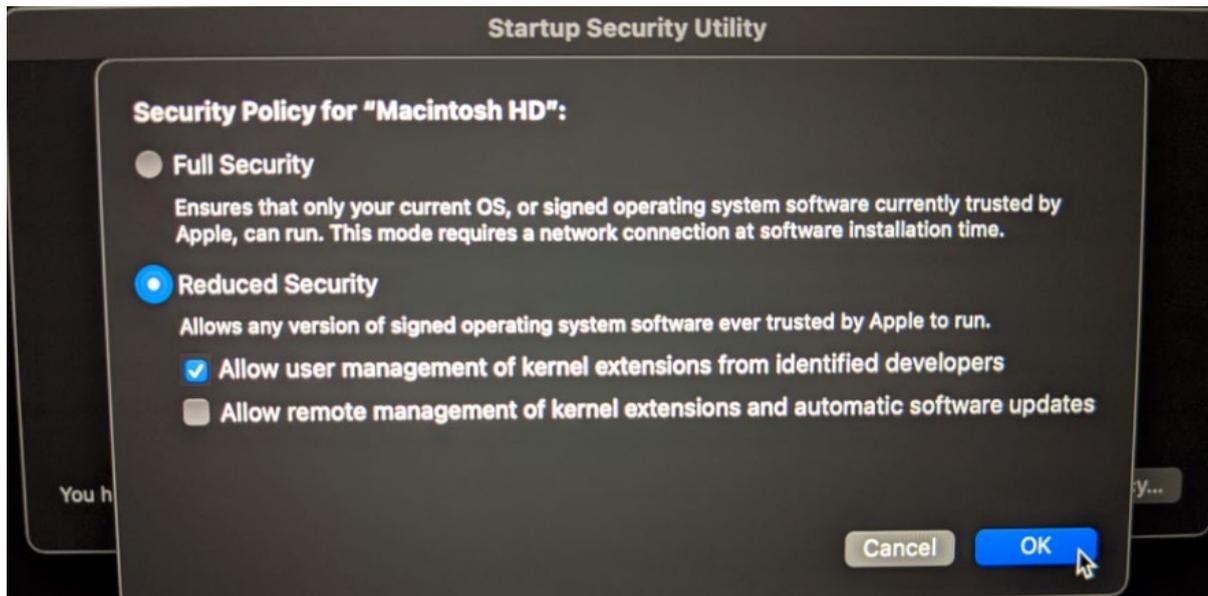


6. Click Security Policy.

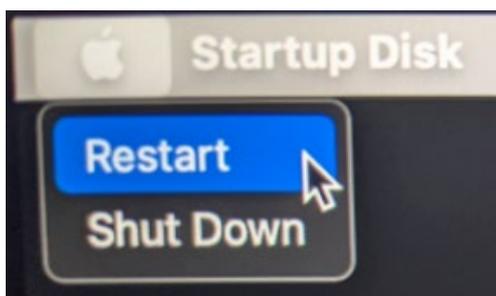


7. Select Reduced Security, enter your administrator username and password, then do the following:

- Select the "Allow user management of kernel extensions from identified developers" tick box to allow installation of software that uses legacy kernel extensions. Then, click OK.

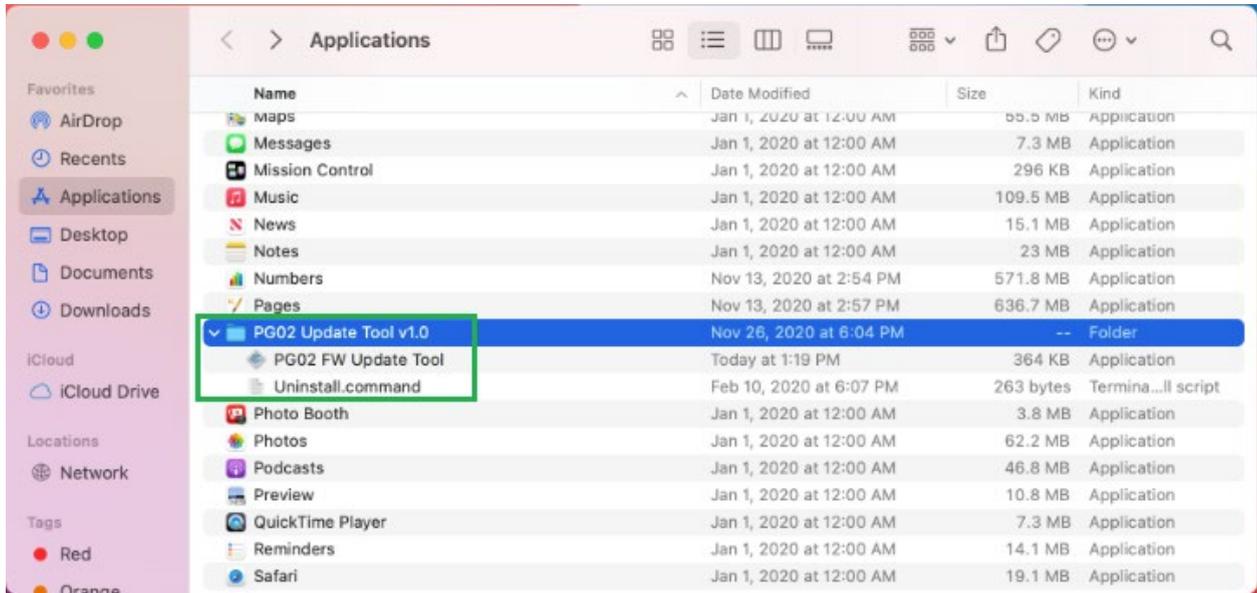


8-Restart your Mac.



9. Start FW auto-run installation. Restart your Mac after installation is complete.

10-You can then find the FW auto-run located inside the “Applications” folder.



11. Connect reader and execute the auto-run to start FW update.

B. Using the update tool

1. First, **please plug in the ProGrade device on your Mac** before running the update tool.
2. Please double-click the update tool application. In this example, double-click the **'PG02 FW Update Tool'** from the **'Applications'** menu as shown in Figure B-1.

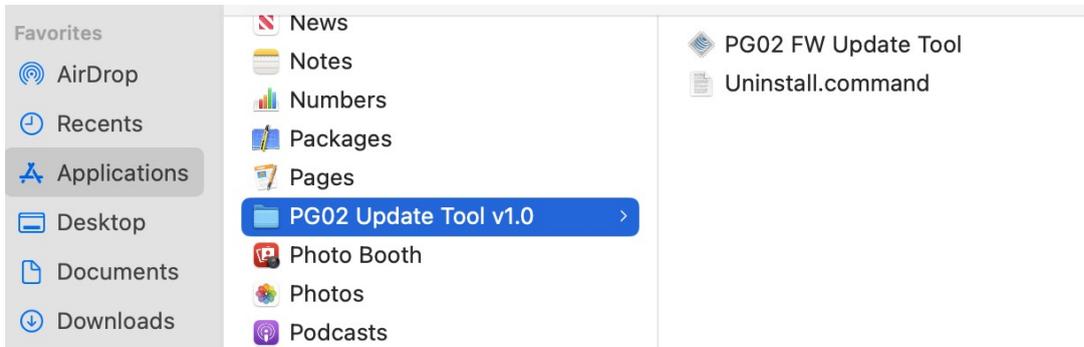


Figure B-1

3. Please click the **'Start'** button to run the update process as shown in Figure B-2.



Figure B-2

4. Please click the `OK` button as shown in Figure B-3.

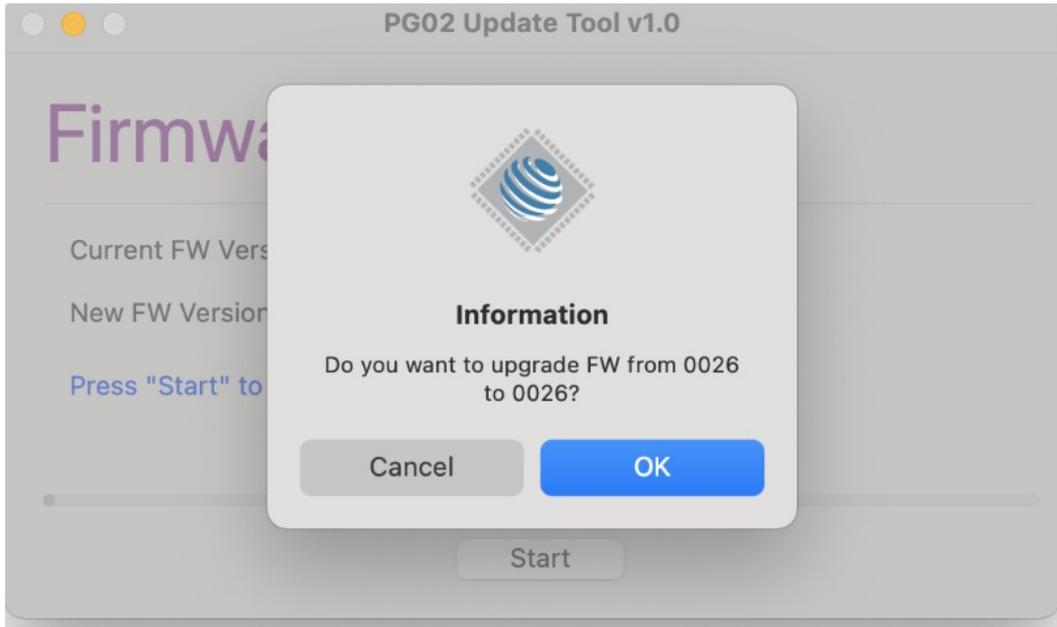


Figure B-3

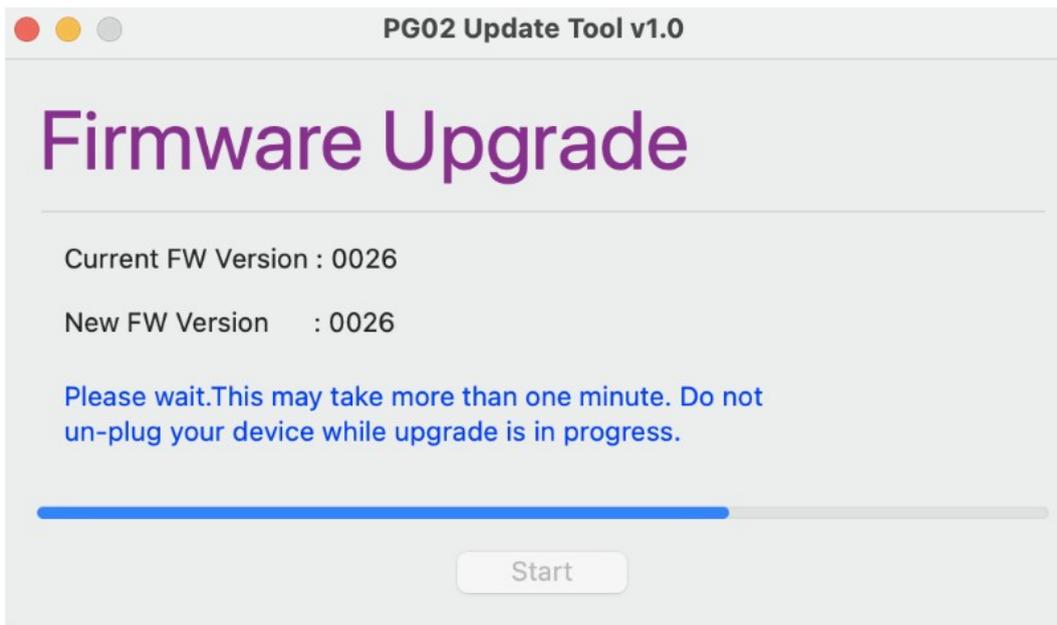


Figure B-4

5. Please click the **OK** button and please **re-plug** the device as shown in Figure B-5.

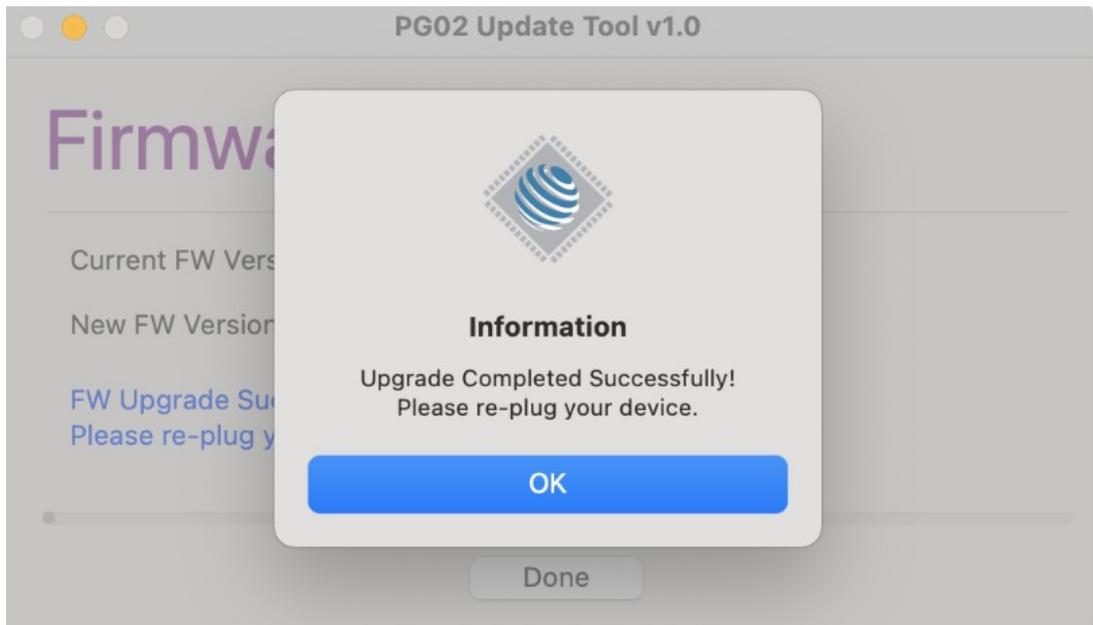


Figure B-5

6. Please click the **Done** button as shown in Figure B-6.

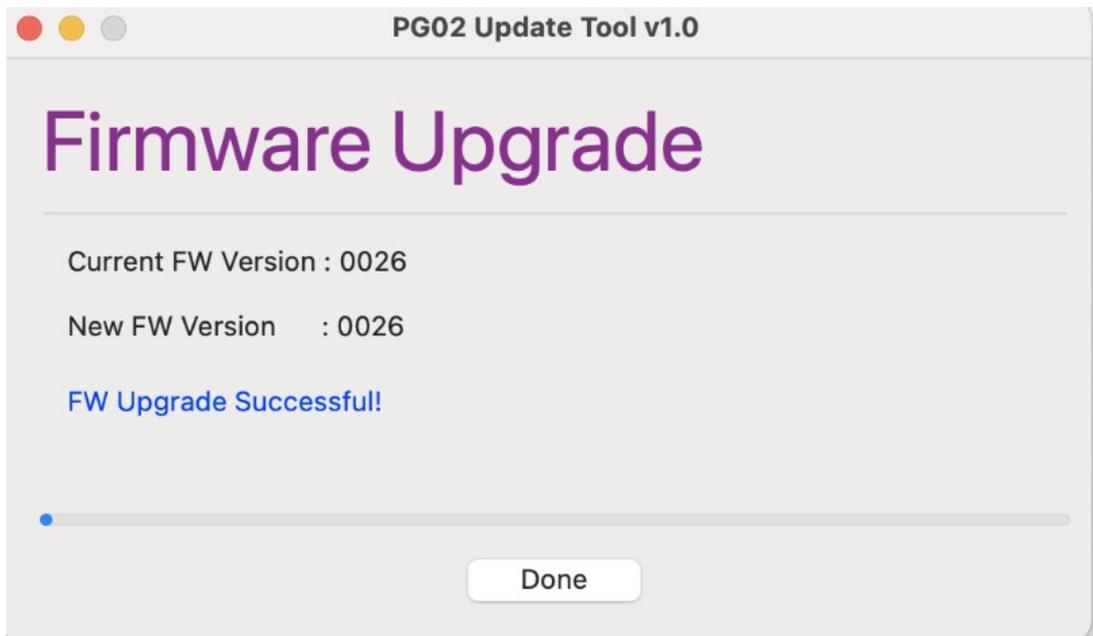


Figure B-6

C. Uninstall the update tool

1. Please double-click the `Uninstall.command` application. In this example, double-click the `Uninstall.command` as shown in Figure C-1.

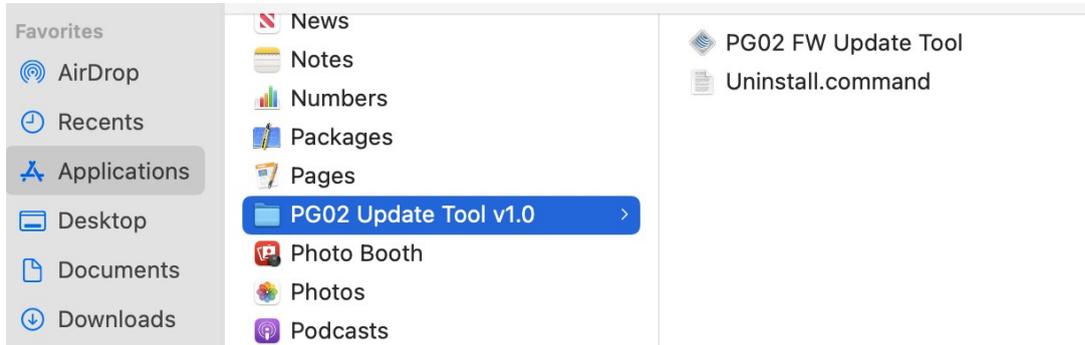


Figure C-1

2. Please enter the administrator's password as shown in Figure C-2.

```
Last login: Wed Jun 16 14:16:17 on ttys000
/Applications/PG02\ Update\ Tool\ v1.0/Uninstall.command ; exit;

~ 14:26:37
$ /Applications/PG02\ Update\ Tool\ v1.0/Uninstall.command ; exit;
Password: [?]
```

Figure C-2

3. Please click the `OK` button as shown in Figure C-3.

```
Last login: Wed Jun 16 14:16:17 on ttys000
/Applications/PG02\ Update\ Tool\ v1.0/Uninstall.command ; exit;

~ 14:26:37
$ /Applications/PG02\ Update\ Tool\ v1.0/Uninstall.command ; exit;
[Password:
[
```

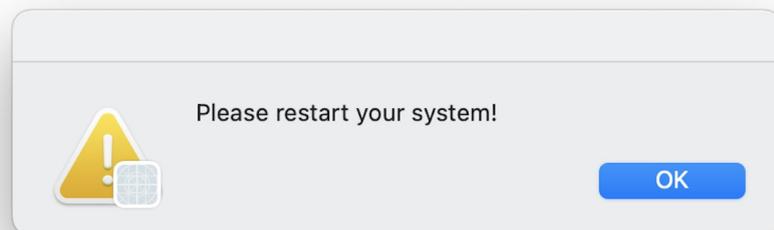


Figure C-3

```
Last login: Wed Jun 16 14:16:17 on ttys000
/Applications/PG02\ Update\ Tool\ v1.0/Uninstall.command ; exit;

~ 14:26:37
$ /Applications/PG02\ Update\ Tool\ v1.0/Uninstall.command ; exit;
[Password:
button returned:OK
Please restart your computer
Saving session...completed.

[Process completed]
```

Figure C-4

4. Please select **Restart** from the drop-down menu of the apple icon in the upper left corner as shown in Figure C-5. Then restart the Mac.

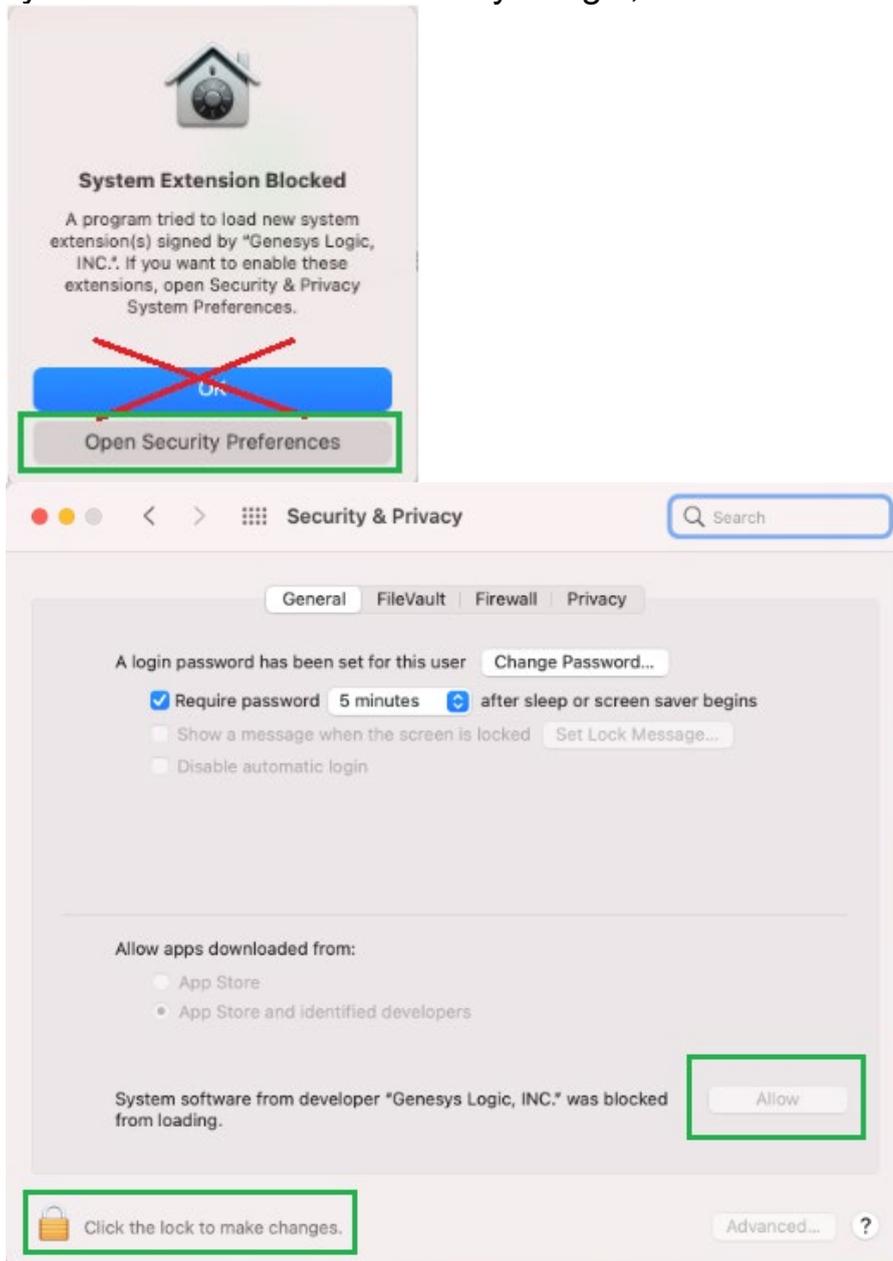


Figure C-5

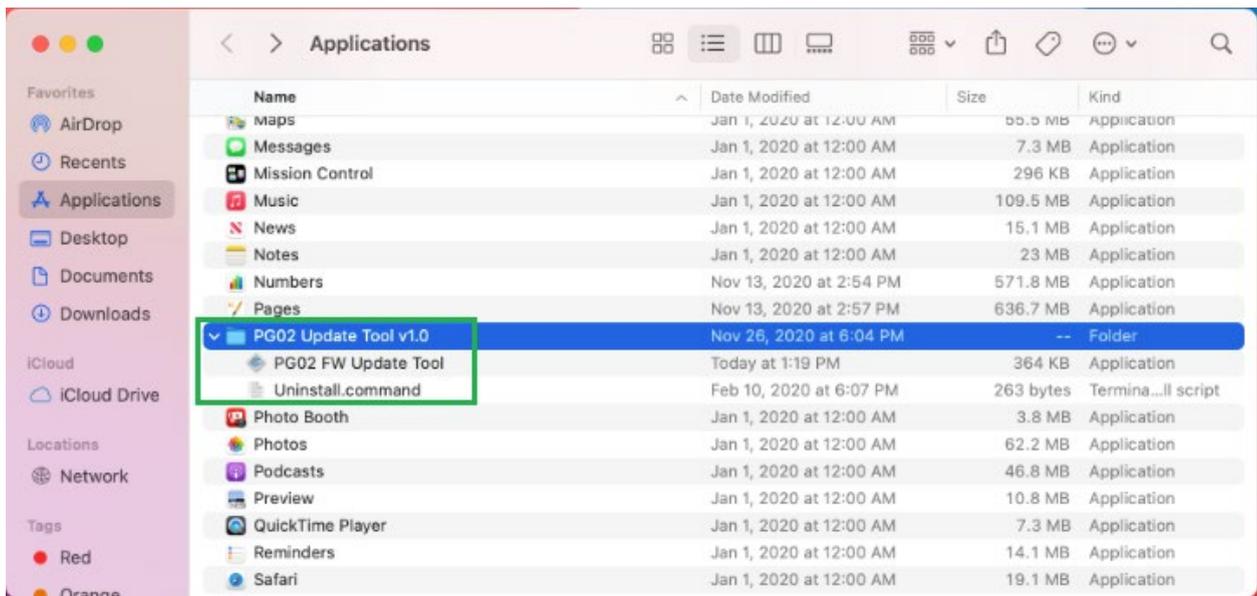
D- Troubleshooting:

1. During the FW auto-run installation process the very first time on a Mac, especially Catalina (10.15) and Big Sur (11) you will encounter a pop-up windows saying “System Extension Blocked” message.

Dot not click OK Instead, “Open Security Preferences” and “allow” system software from “Genesys Logic, INC.” to run.



2. After installation is complete, you will be asked to “restart” your system.
3. You can then find the FW auto-run located inside the “Applications” folder.



4. Connect reader and execute the auto-run to start FW update.

5. If you click “OK” instead of “Open Security Preferences” during installation process, you will most likely need to copy the “GLLUD.kext” file from */Library/StagedExtensions/Library/Extensions/* to Folder */Library/Extensions/* and then “Open Security Preferences” to allow the FW auto-run.

