

[Software name] Touch panel driver2

[System requirements]

OS: macOS 10.13 / macOS 10.14  
\* This software is not available in the Classic Environment.  
CPU: Intel processor  
Memory: At least 2GB  
Free space on hard drive: At least 1GB  
USB terminal: USB 2.0 compliant

[Introduction of software]

This software is designed to be connected with the SHARP touch display to enable touch panel operation via Mac OS.

[Requirement of use]

This touch panel driver is only compatible with the following SHARP touch displays and option.

PN-L851H/PN-L751H/PN-L651H  
PN-L805H/PN-L705H/PN-L803CA/PN-L803C/PN-L703WA PN-L703W/PN-L703A/PN-L703B  
PN-L603WA/PN-L603W/PN-L603A/PN-L603B/PN-L501C/PN-L401C  
PN-C703B/PN-C603D/PN-C805B/PN-C705B/PN-C605B  
PN-85TH1/PN-75TH1/PN-65TH1  
PN-80TH5/PN-70TH5/PN-80TC3A/PN-80TC3/PN-70TW3A/PN-70TW3/PN-70TA3/PN-70TB3  
PN-60TW3A/PN-60TW3/PN-60TA3/PN-60TB3/PN-70SC3/PN-50TC1/PN-40TC1  
PN-80SC5/PN-70SC5/PN-60SC5/PN-65SC1  
PN-ZL01A/PN-ZL02A/PN-ZL03A/PN-ZL06/PN-ZL01/PN-ZL02/PN-ZL03

\* Touch drivers will not work properly if used with other Sharp touch displays.

\* You can register up to 8 touch pens in PN-ZL02A/PN-ZL03A/PN-ZL06 and up to 10 touch pens in PN-ZL02/PN-ZL03.

\* The touch pen bundled with the model below is called the active pen.  
PN-L805H/PN-L705H/PN-L803CA/PN-L803C/PN-L703WA PN-L703W/PN-L703A/PN-L603WA  
PN-L603W/PN-L603A  
PN-80TH5/PN-70TH5/PN-80TC3A/PN-80TC3/PN-70TW3A/PN-70TW3/PN-70TA3/PN-60TW3A  
PN-60TW3/PN-60TA3  
PN-ZL01A/PN-ZL02A/PN-ZL03A/PN-ZL06/PN-ZL01/PN-ZL02/PN-ZL03

\* The touch pen bundled with the model below corresponds to the pointer function.  
PN-L805H/PN-80TH5/PN-L705H/PN-70TH5/PN-ZL06

\* The touch pen bundled with the model below is a dual-end pen and has two pen tips (thin end & thick end). You can use whichever end you like when setting to "Pen dedicated Mode" in "Touch Operation Mode" setting. (It doesn't distinguish which end of the pen is used).  
PN-L851H/PN-L751H/PN-L651H/PN-85TH1/PN-75TH1/PN-65TH1

[Note]

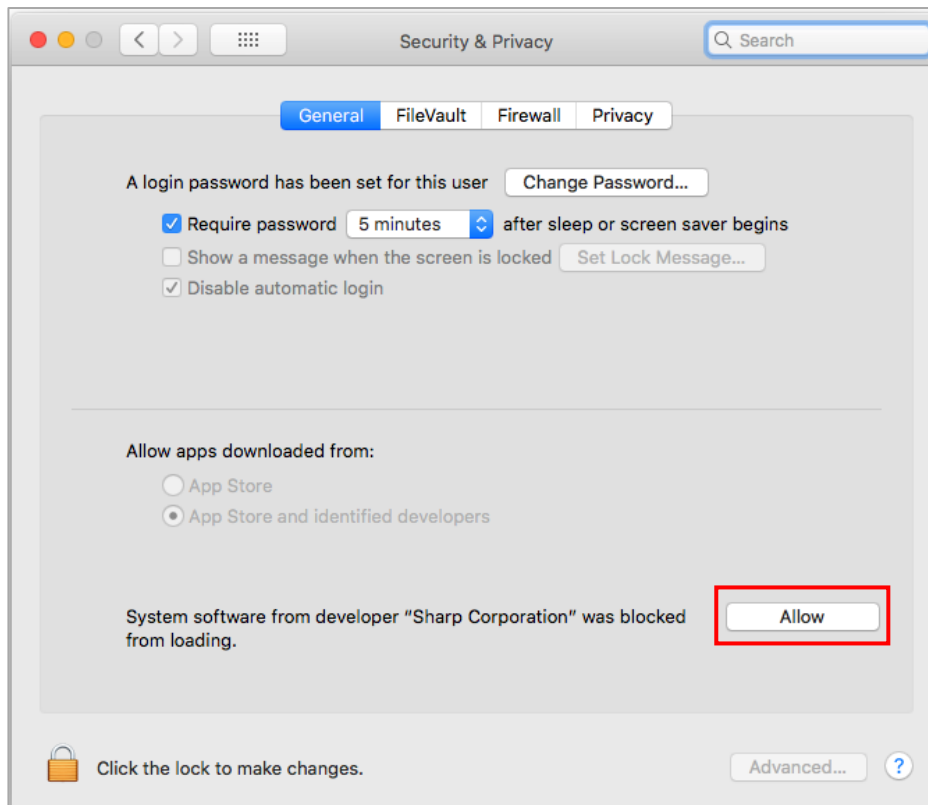
- You may not draw smoothly in the refresh rate settings of display under 30Hz. When drawing by the touch pen, set the refresh rate over 60Hz.
- You may draw smoothly by invaliding the writing pressure settings of pen in a software where you can set the writing pressure, such as Microsoft OneNote for Mac Version 16.20. You can change the writing pressure settings in the [Pressure Settings] of [Pen] tab.
- During installation, the dialog message “System Extension Blocked” as shown below may appear.



After installation, the dialog message as shown below may appear.

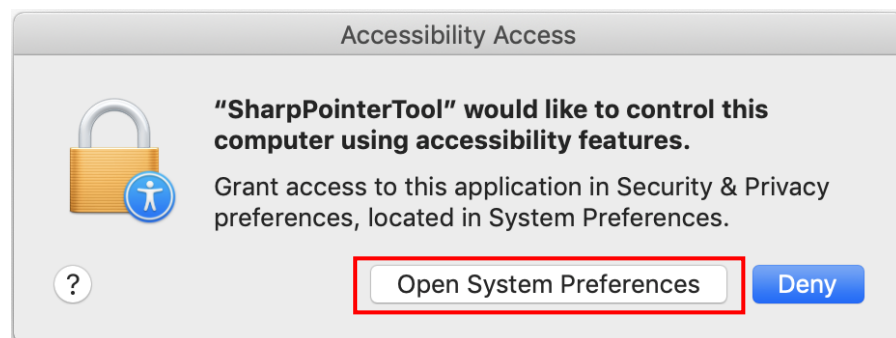
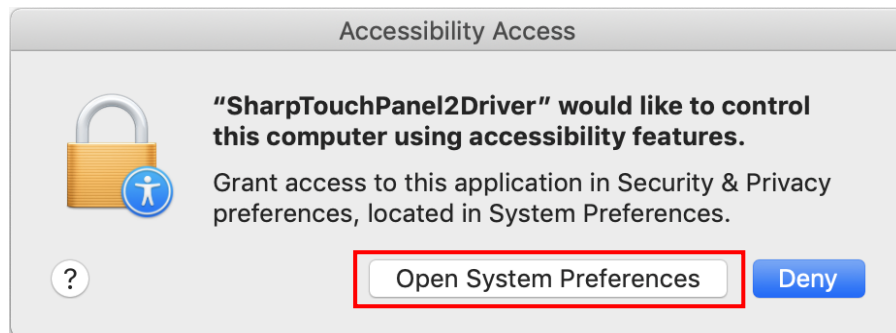


If the message appears, open “Security & Privacy Preferences” and then execute “Allow” in “Security & Privacy” to enable new extension included in this driver. Otherwise the driver cannot work properly; for example, touch operation will become unstable.

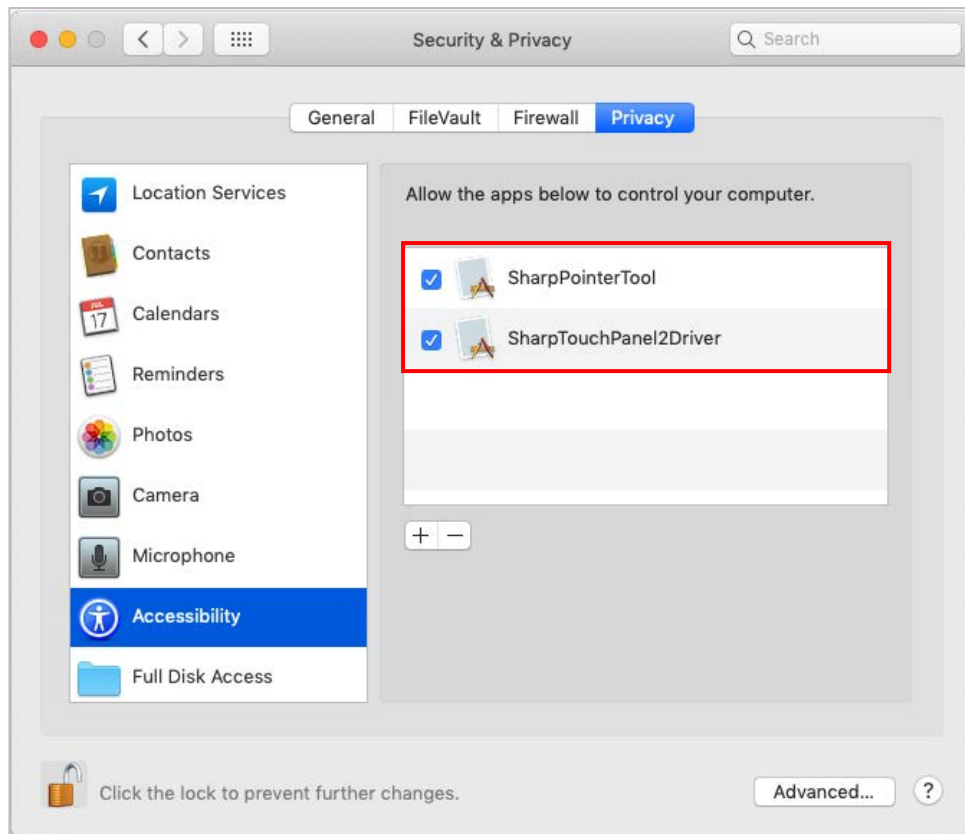


To enable new extension after the driver installation, you can open Security & Privacy system preference panel, and then execute “Allow”. However, you also need to install the driver again if there’s no message to allow the system software blocked.

- After installing this driver in macOS 10.14 for the first time, the dialog messages as shown below will appear.



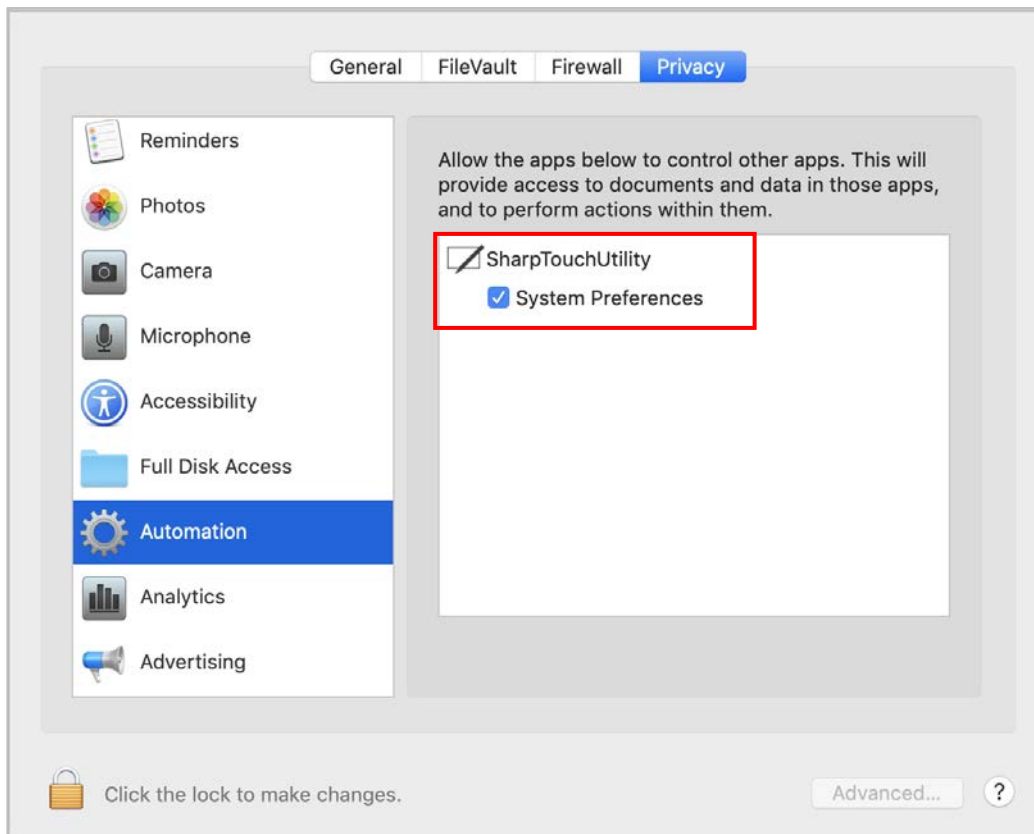
Select “Open System Preferences” and then grant access to Accessibility feature to “SharpTouchPanel2Driver” and “SharpPointerTool”.



- After installing this driver in macOS 10.14 and then trying to show a menu from the icon on menu bar, the dialog message as shown below will appear.



Select "OK" to grant access to System Preferences to "SharpTouchUtility". This message will appear only once. If you miss this message, open "Privacy" in "Security & Privacy" preferences and select "Automation" and then check the "SharpTouchUtility" check box.



#### [Restrictions]

- The SHARP touch display and 1 additional display is the current max allowed to be connected with a Mac computer. Both displays can be used simultaneously.
- The models that support multiple screens are PN-L803C/PN-80TC3/PN-L705H/PN-70TH5/PN-L805H/PN-80TH5.  
Up to two screens can be connected.
- “Ink” located under System Preferences is not available with this touch panel driver.
- The following touch gestures listed below in [1] thru [4] may switch off other touch gestures functions. Suggestions are provided to use switched off touch gestures.
  - [1] When the checkbox for “Spread with thumb and three fingers (show desktop)” is set to ‘off’, you cannot use the touch gesture function to (close Launchpad).  
To (close Launchpad), you can tap any area of the screen besides the icon.
  - [2] When the checkbox for “Pinch with thumb and three fingers (open Launchpad)” is set to ‘off’, you cannot use the touch gesture function to (close the desktop).  
To (close the desktop), you can tap the transparent area in the edge of the screen.
  - [3] When the checkbox for “Swipe down with three or four fingers (display App Exposé)” is set to ‘off’, you cannot use the touch gesture function to (close Mission Control).  
To (close Mission Control), you can use the “tap the screen” .
  - [4] When the checkbox for “Swipe up with three or four fingers (display Mission Control)” is set to ‘off’, you cannot use the touch gesture function to (close App Exposé).  
To (close App Exposé), you can use the “tap the screen” .
- In order to wake up from the sleep mode with tap operation on the touch display, tap the screen several times.

- Do not touch the touch panel when booting the computer or connecting the USB cable.  
If you touch the touch panel, it will lead to a malfunction. In this case, disconnect and then reconnect the USB cable.
- In case of PN-L501C, PN-50TC1, PN-L401C and PN-40TC1, set the eraser function of touch display to "OFF" .
- Even if the screen shows that the remaining time of installation is less than 1 minute, it may take time depending on the environment.

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