

AX88179/AX88178A Mac OS X Driver Installation Guide

Revision 1.00
Sep. 10th, 2012

Revision History

| Revision | Date | Description |
|----------|------------|------------------|
| 1.00 | 2012/09/10 | Initial release. |

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1. Introduction

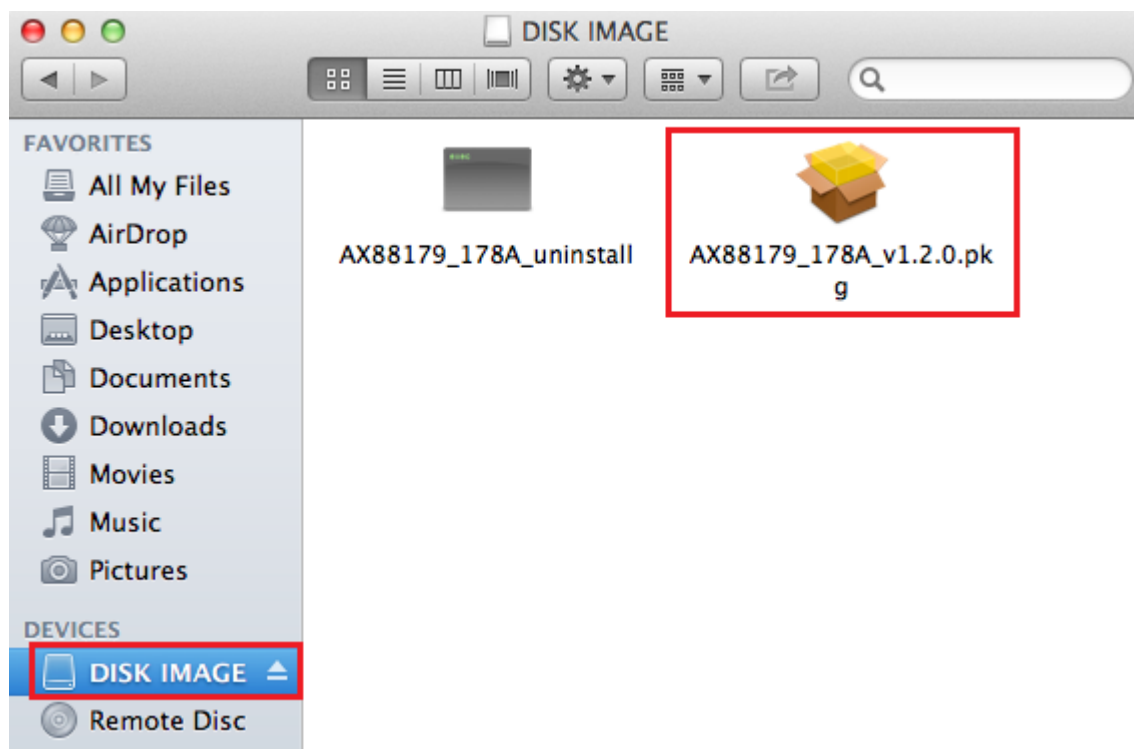
This document contains the installation and uninstallation information of AX88179/AX88178A Mac OS X 10.6 to 10.8 driver.

2. Driver Installation Procedures

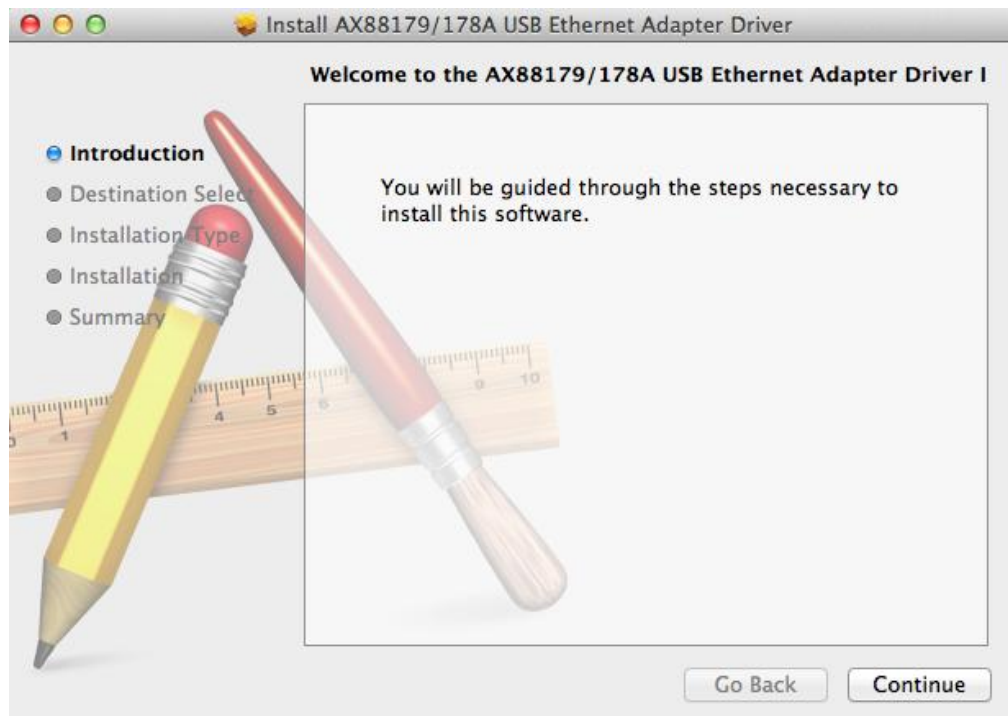
The AX88179/AX88178A Mac OSX driver installation package is “**AX88179_178A.dmg**”.

The following is an example of ASIX's AX88179/AX88178A Mac OSX driver installation procedures.

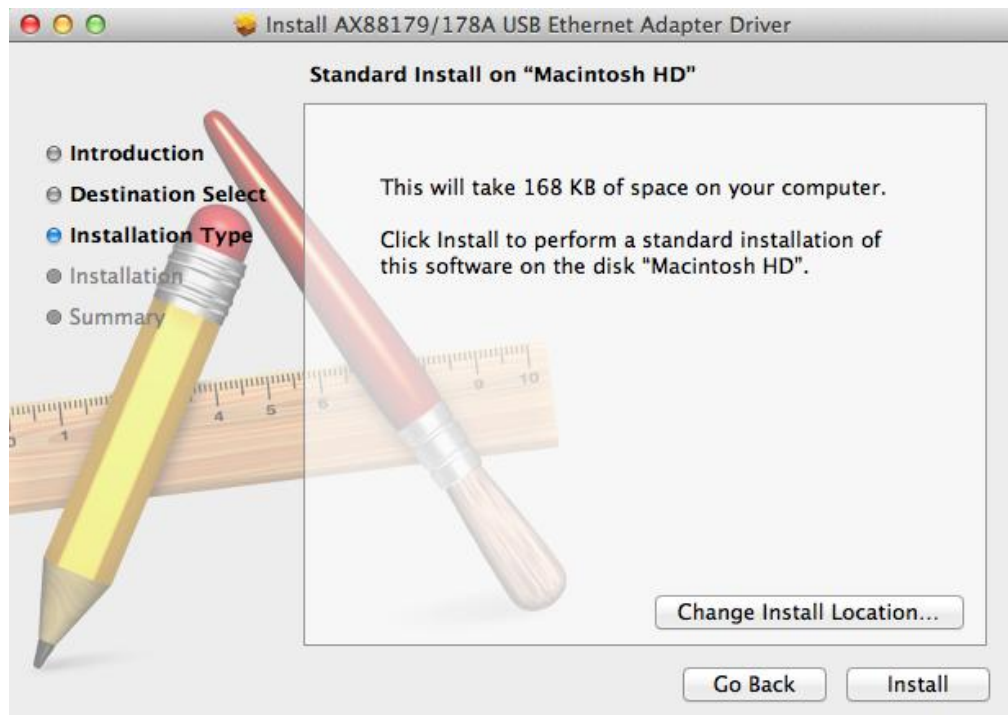
Step 1: Click the “**AX88179_178A.dmg**”, the following “DISK IMAGE” virtual disk will be appeared on the Desktop of your Mac OSX system. (This “DISK IMAGE” virtual disk will be auto-removed after rebooting Mac OSX system.)



Step 2: Click the “**AX88179_178A_v1.2.0.pkg**”, the following driver setup dialog will appear. Click the [Continue] button to start the installation operation and follow the instructions to continue the installation.



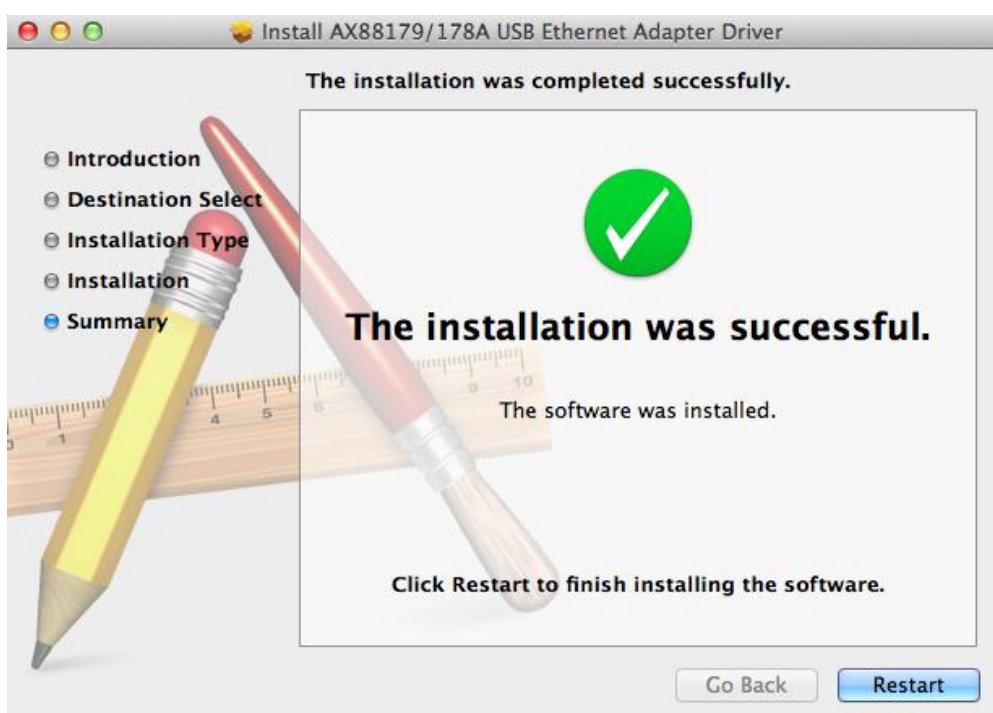
Step 3: Click the [Install] button to continue the installation operation. You might need to enter your user/password during the driver installation.



Step 4: Click the [Continue Installation] button to continue the installation operation.

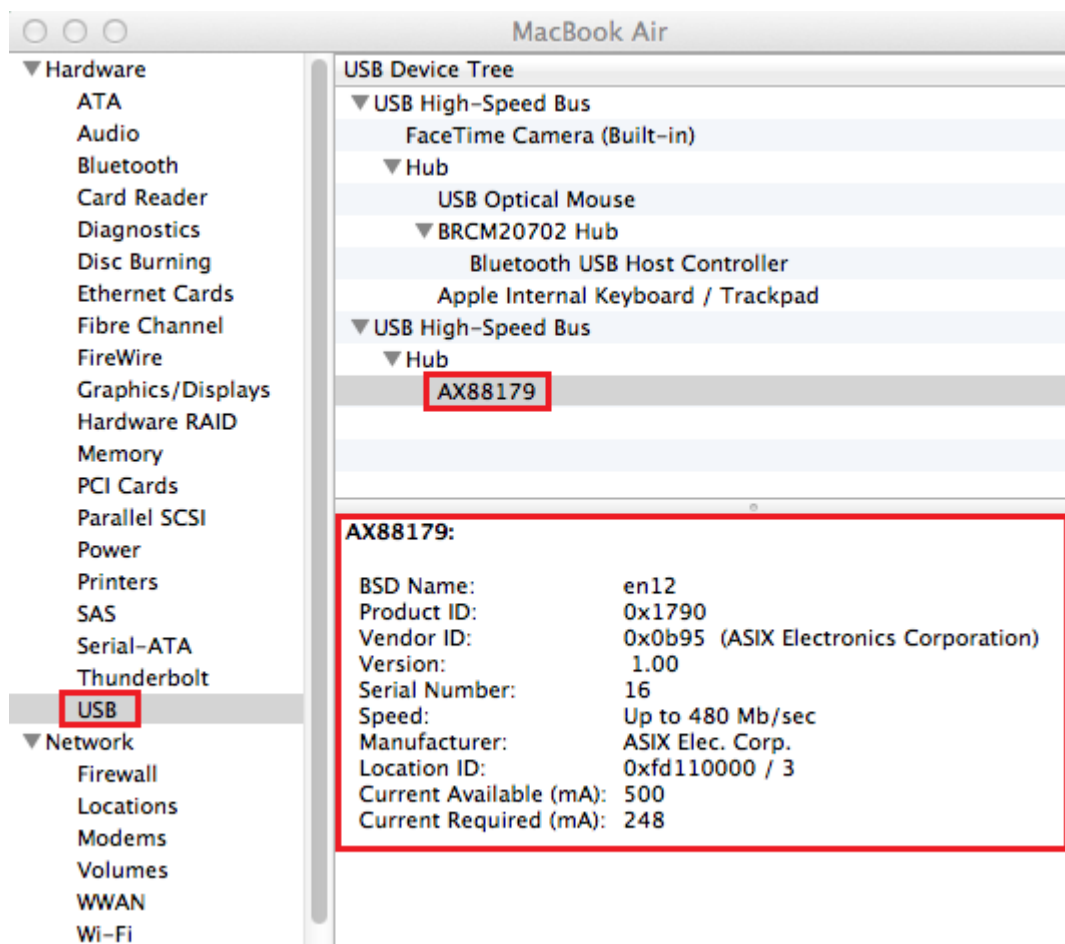


Step 5: Click the [Restart] button to restart Mac OSX system to take effect the revised driver installation.



Step 6: After booting up your Mac OSX system, plug your AX88179/AX88178A USB dongle onto the USB port of your Mac OSX system and refer to the following information to double check if your USB dongle had been identified properly by Mac OSX system and the AX88179/AX88178A Mac OSX driver was installed correctly or not.

(1) You can check the Vendor/Product ID information of your USB dongle from here.



(2) You can check the installed AX88179/AX88178A Mac OSX driver version information by running the “**kextstat**” command.

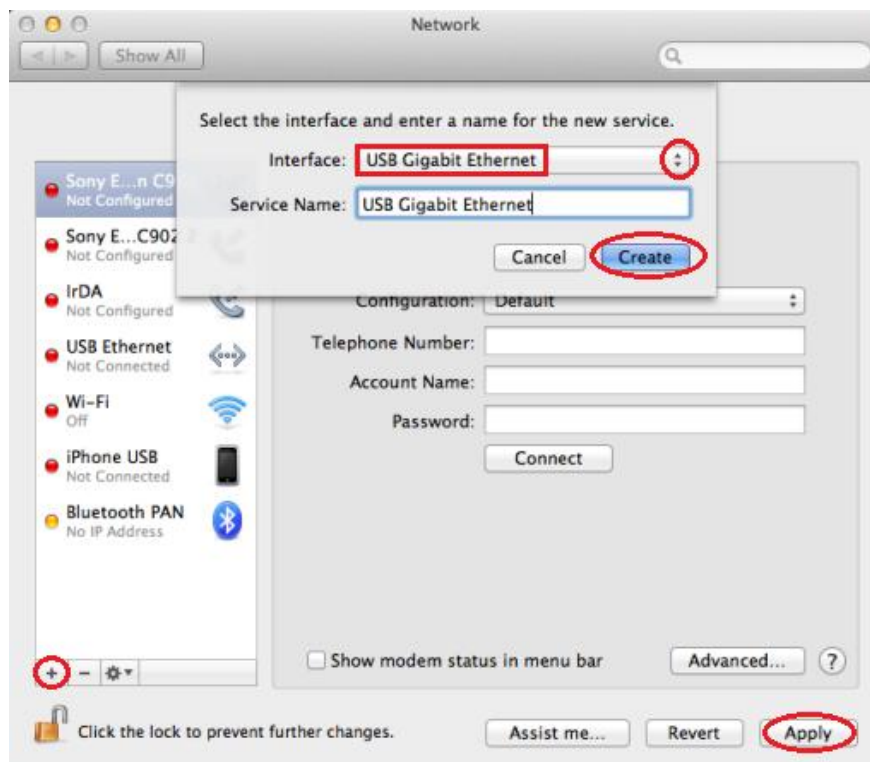
Tsengteki-MacBook-Air:~ allan\$ **kextstat**

```

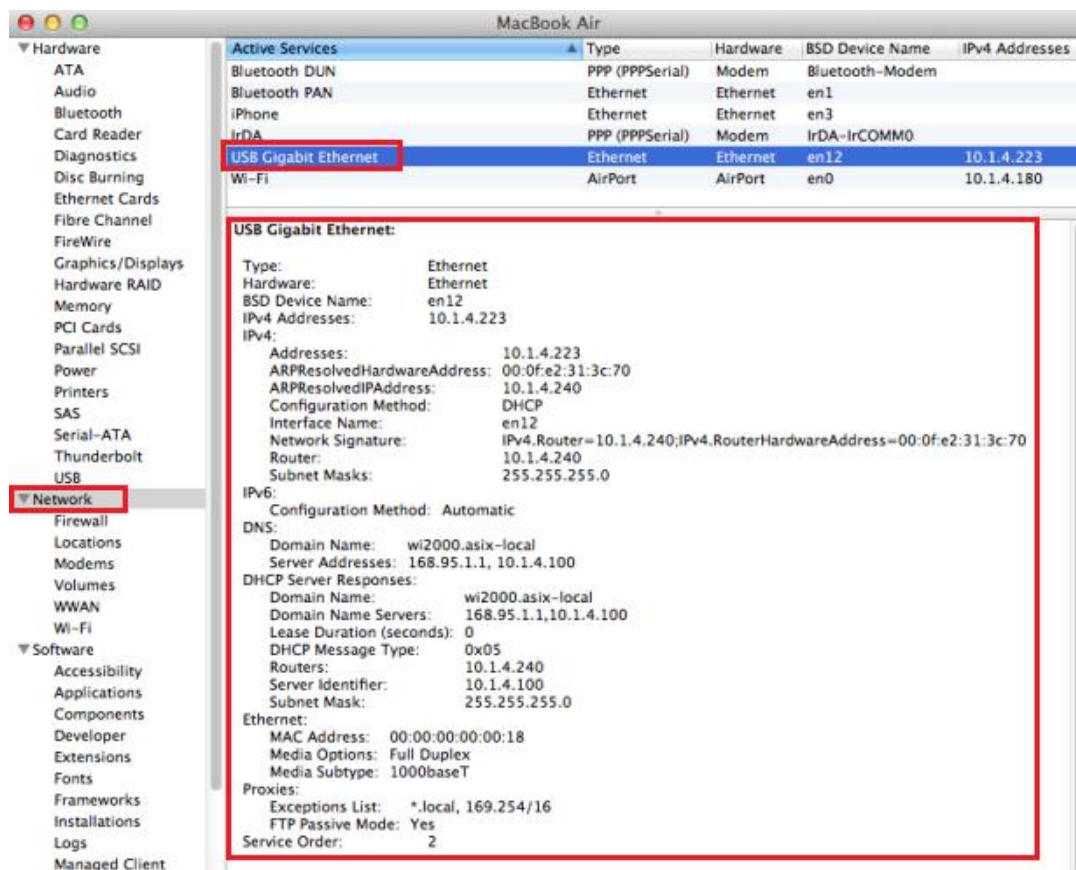
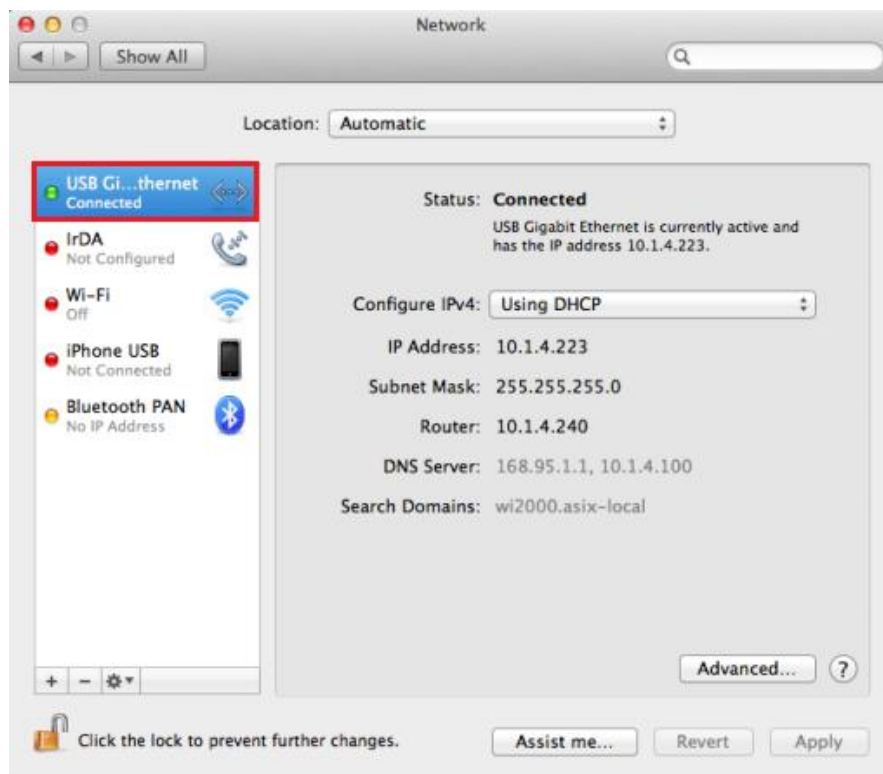
Index Refs Address      Size    Wired    Name (Version) <Linked Against>
.....
  110  0 0xfffff7f80d45000 0x8000   0x8000   com.asix.driver.ax88179_178a (1.2.0) <38 33 7 5 4 3 1>
.....

```

Step 7: Please refer to below figure to add a new “USB Gigabit Ethernet” network interface and then press the [Apply] button to take effect the new network interface.



Step 8: The new “USB Gigabit Ethernet” driver should be ready now.

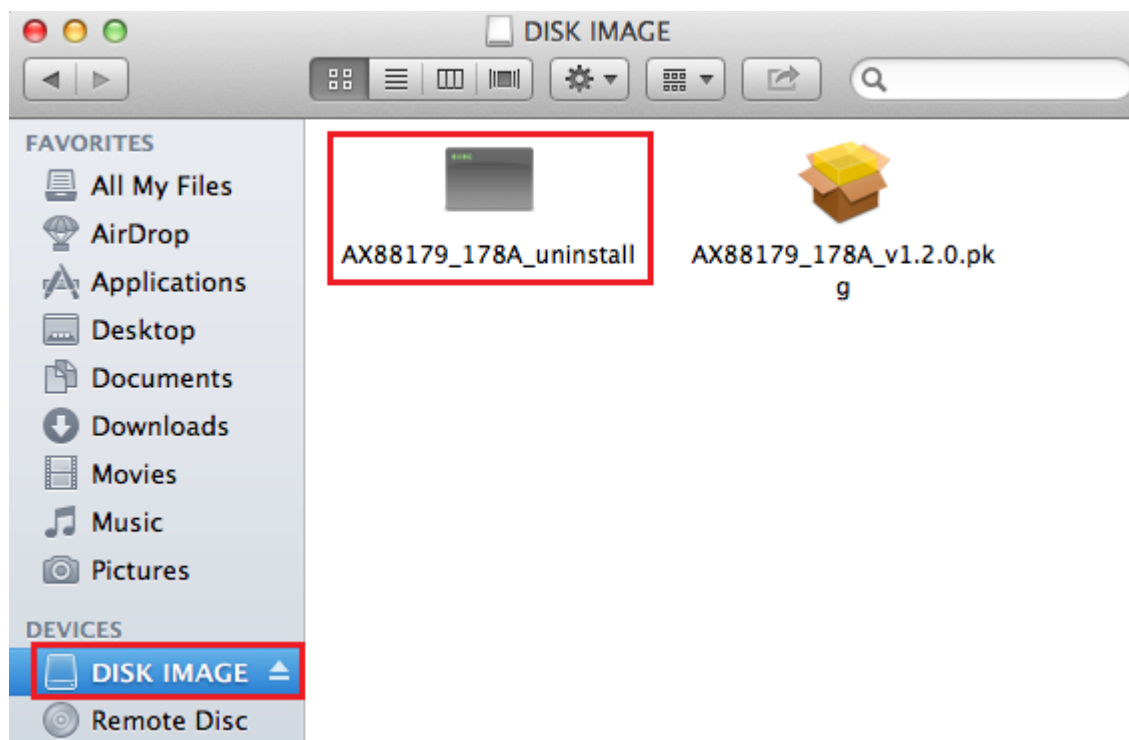


3. Driver Uninstallation Procedures

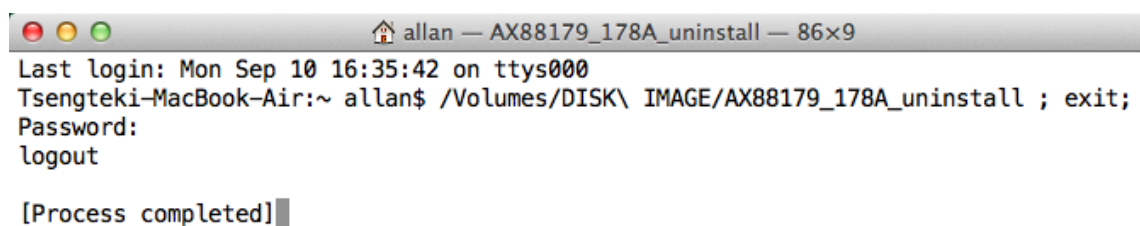
The AX88179/AX88178A Mac OSX driver uninstallation script file is “**AX88179_178A_uninstall**”.

The following is an example of AX88179/AX88178A Mac OSX driver uninstallation procedures.

Step 1: Click the “**AX88179_178A.dmg**”, the following “DISK IMAGE” virtual disk will be appeared on the Desktop of your Mac OSX system. (This “DISK IMAGE” virtual disk will be auto-removed after rebooting Mac OSX system.)



Step 2: Click the “**AX88179_178A_uninstall**” script file to uninstall AX88179/AX88178A Mac OSX driver.



4. Troubleshooting

(The figures in this section are examples for your reference)

4-1. Driver Installation Failure on OS X 10.8 Issue

The Mac OSX driver might not be able to be installed properly on OS X 10.8 system with below sample error message if you downloaded the driver package from ASIX web site on your OS X 10.8 platform.



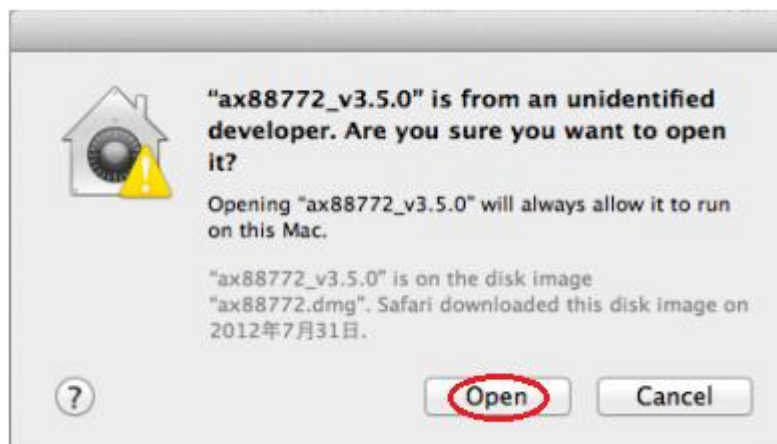
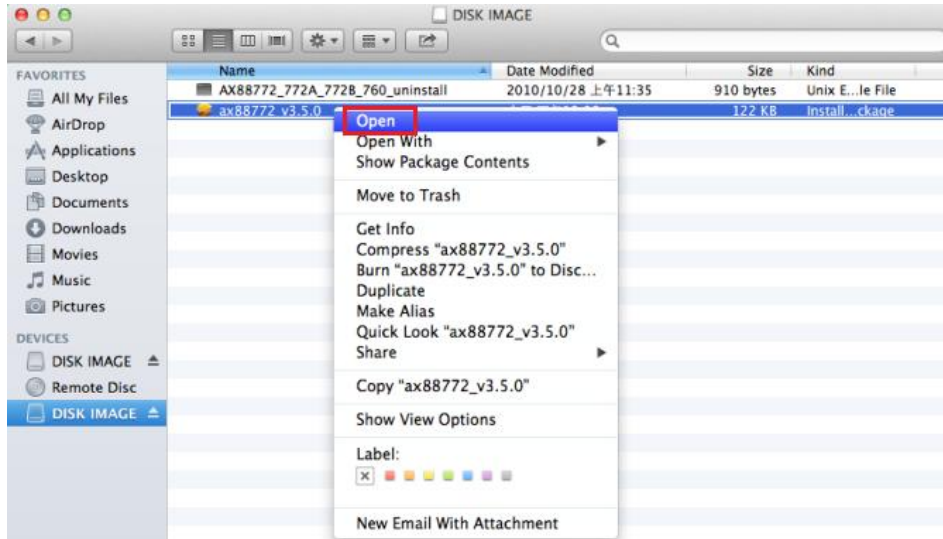
The OS X 10.8 system includes new features to improve security for users. One of the new default options prevents users from being able to install or launch applications that are not downloaded from the Mac App Store, or that have not been digitally signed by the developers. ASIX's Mac OSX driver installers are not digitally signed at this time and ASIX will improve this point soon.

Before that time, you can use one of the following solutions to install ASIX's Mac OSX driver package that was downloaded from ASIX web site on your OS X 10.8 platform.

Solution 1: Download ASIX's Mac OSX driver package on other Windows machines and then copy it via USB Flash drive onto your OS X 10.8 platform. The installer should launch and function normally now.

Solution 2: Override Gatekeeper for only the current installer

- (1) Control-Click on the installer and then select 'Open'.
OS X 10.8 will display a warning message that the installer app is from an unidentified developer and ask the user to confirm that they want to open it.

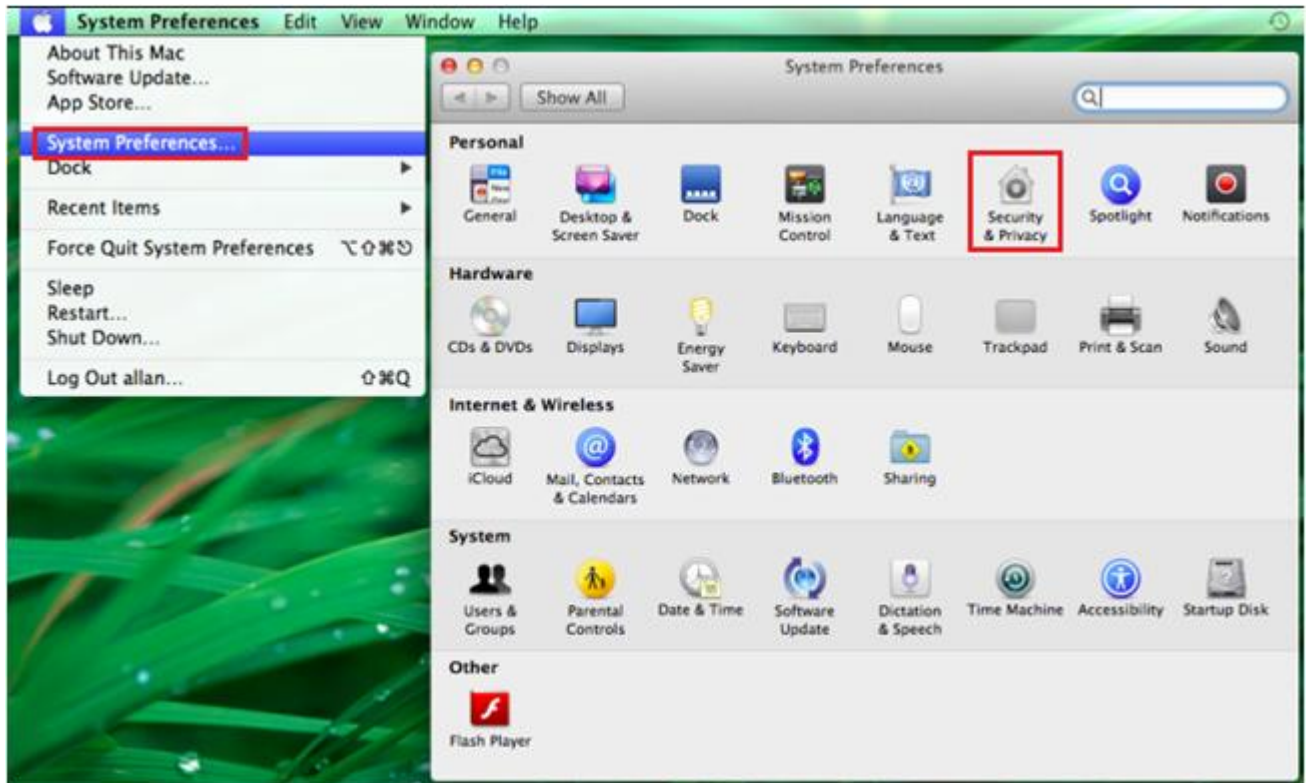


- (2) Click on the 'Open' button. This will allow the installer to run on your computer.
- (3) The installer should launch and function normally now.

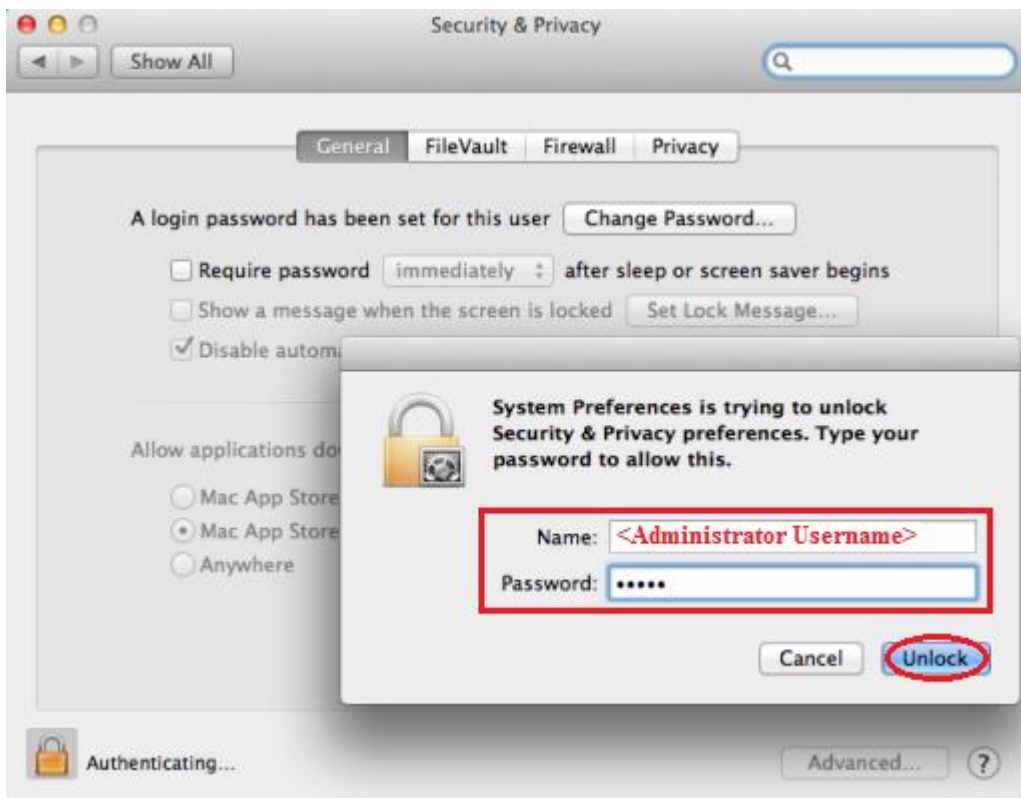
Solution 3: Override Gatekeeper altogether

NOTE: Users should change the security setting back to “Mac App Store and identified developers” or “Mac App Store” as desired, for improved security.

- (1) Go to System Preferences > Security & Privacy



(2) Click the lock icon in the lower-left corner and enter your administrator username and password



- (3) Under “Allow applications downloaded from” , select “Anywhere” and then press the “Allow From Anywhere” button.



- (4) The installer should launch and function normally now.

Appendix A. AX88179/AX88178A Script Files

When installing the AX88179/AX88178A Mac OSX driver, the **AX88179_178A_v1.2.0.pkg** driver setup program will execute the **preflight** and **postflight** scripts to remove the older revision AX88179/AX88178A USB-to-LAN driver before installing the new one.

While uninstalling the AX88179/AX88178A Mac OSX driver, the **AX88179_178A_uninstall** driver uninstallation script will remove this driver from the system.

Below is the **preflight** script file:

```
#!/bin/sh
#filename:autopack.sh
if [ -d /System/Library/Extensions/IONetworkingFamily.kext/Contents/PlugIns/AX88179.kext ]
then
sudo kextunload /System/Library/Extensions/IONetworkingFamily.kext/Contents/PlugIns/AX88179.kext
sudo rm -rf /System/Library/Extensions/IONetworkingFamily.kext/Contents/PlugIns/AX88179.kext
fi

if [ -d /System/Library/Extensions/IONetworkingFamily.kext/Contents/PlugIns/AX88179_178A.kext ]
then
sudo kextunload /System/Library/Extensions/IONetworkingFamily.kext/Contents/PlugIns/AX88179_178A.kext
sudo rm -rf /System/Library/Extensions/IONetworkingFamily.kext/Contents/PlugIns/AX88179_178A.kext
fi
```

Below is the **postflight** script file:

```
#!/bin/sh
#filename:autopack.sh

sudo touch /System/Library/Extensions
```

Below is the **AX88179_178A_uninstall** script file

```
#!/bin/sh
#filename:autopack.sh
if [ -d /System/Library/Extensions/IONetworkingFamily.kext/Contents/PlugIns/AX88179.kext ]
then
sudo kextunload /System/Library/Extensions/IONetworkingFamily.kext/Contents/PlugIns/AX88179.kext
sudo rm -rf /System/Library/Extensions/IONetworkingFamily.kext/Contents/PlugIns/AX88179.kext
fi

if [ -d /System/Library/Extensions/IONetworkingFamily.kext/Contents/PlugIns/AX88179_178A.kext ]
then
sudo kextunload
/System/Library/Extensions/IONetworkingFamily.kext/Contents/PlugIns/AX88179_178A.kext
sudo rm -rf /System/Library/Extensions/IONetworkingFamily.kext/Contents/PlugIns/AX88179_178A.kext
fi
```




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