

Grain Media USB Display Adaptor

Mac OS X Software User Guide

History:

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Introduction

This guide is about how to use Grain Media USB Display Adaptor in Mac OS X system.

Grain Media USB Display Adaptor Mac OS X Software applies to Mac OS X 10.6 or above. It cooperates with Grain Media USB devices to add external displays for your Macintosh via USB.

System Requirement

Mac OS X 10.6 or above.

Supported Resolution

Aspect Ratio	Resolution	Refresh Rate
4:3	640 X 480	60
4:3	800 X 600	60
4:3	1024 X 768	60
4:3	1152 X 864	60
16:9	1280 X 720	60
15:9	1280 X 768	60
16:10	1280 X 800	60
4:3	1280 X 960	60
5:4	1280 X 1024	60
4:3	1400 X 1050	60
16:10	1440 X 900	60
16:9	1600 X 900	60
4:3	1600 X 1200	60
16:10	1680 X 1050	60
16:9	1920 X 1080	60

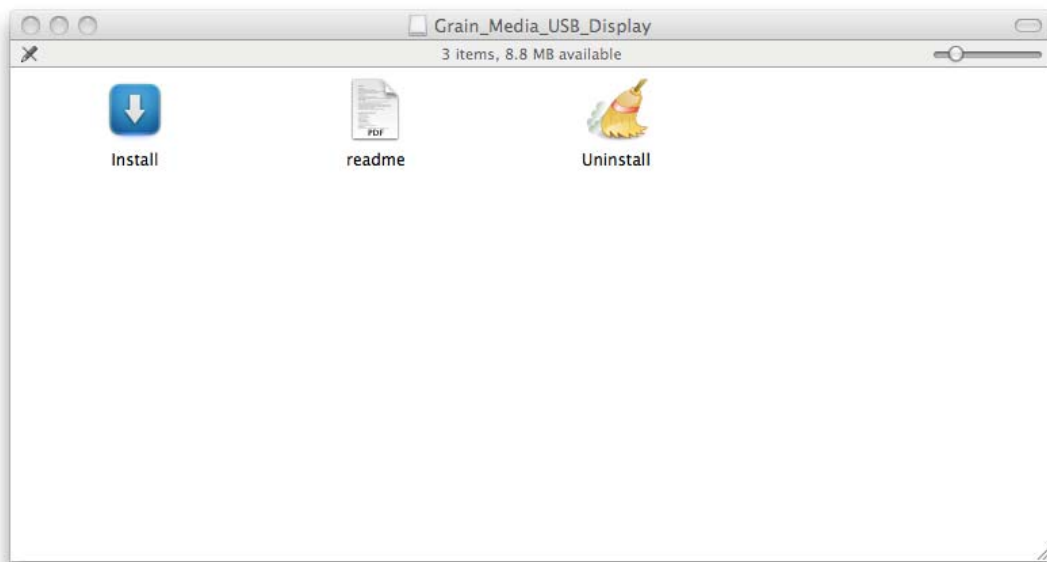
Multiple Displays Configuration

Video Mirror	Mirroring displays the same image on each display
Extend Desktop	With extended desktop, your displays form one large, continuous desktop.

Installation

Before you can use Grain Media USB Display Adaptor, you need to install the Mac software first.

1. Download the Grain Media Software from website. Double click the DMG file, you will see the contents in the Finder like this:



2. Double Click "Install" to start Installation Guide. Please follow the guide to finish installation. Note: you need an administrator privilege and need a restart.



3. After installation, please connect Grain Media USB display adaptor to both Macintosh and external display.

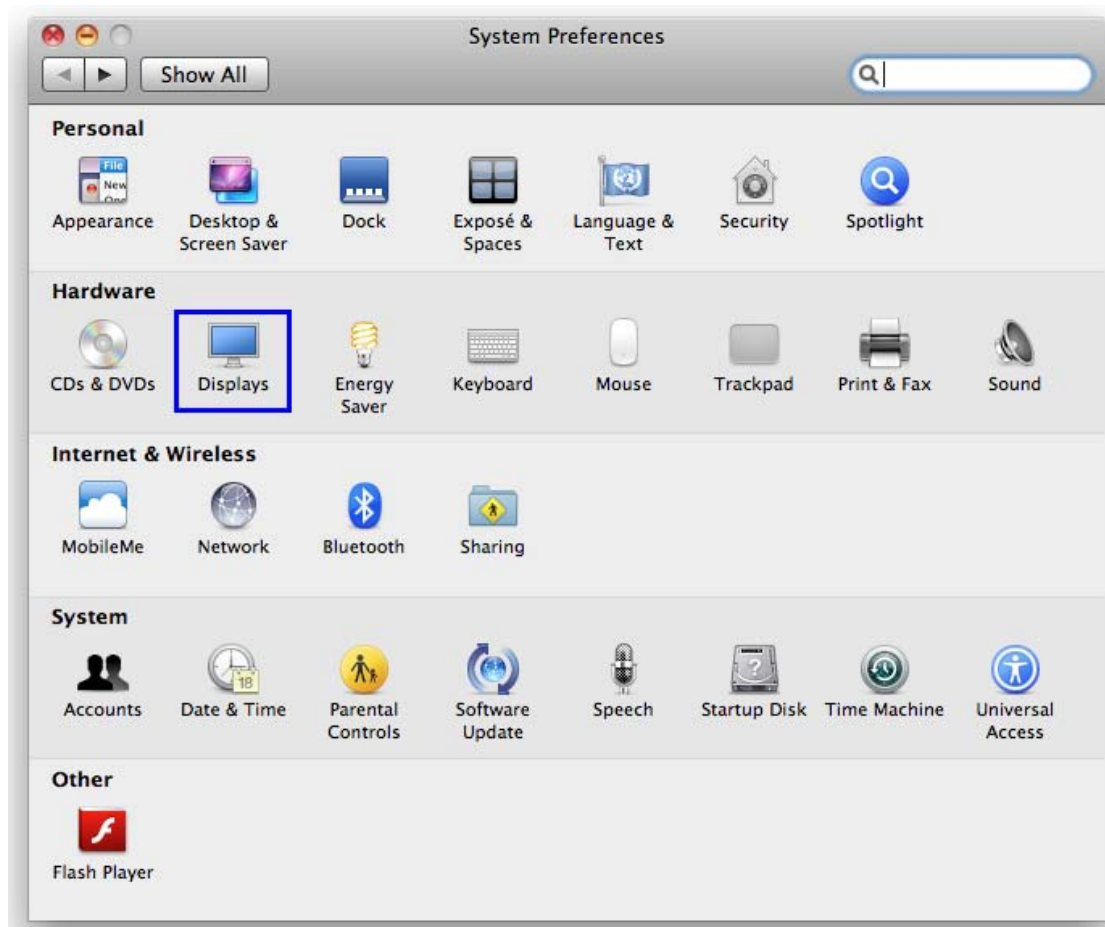
Now you are ready to use it.

Display Management

After installation Grain Media software, you can access both host display and external display which supported by Grain Media USB Display Adaptor from "Display Preference". You can: set proper resolution for each display; adjust the relative position between displays; set display mirror; change the main display.

Open Display Preference

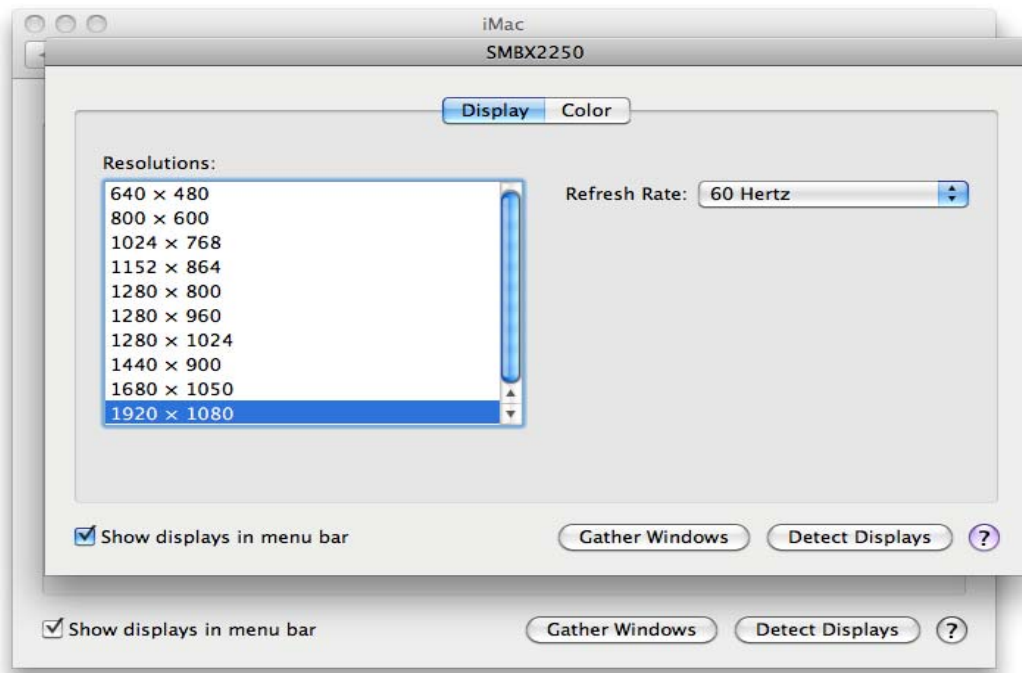
Firstly, open "System Preference" Application. You can find it in Application folder, or start it from Apple Menu, or look up it in Spotlight.



Then choose the "Displays" to open the "Display Preference".

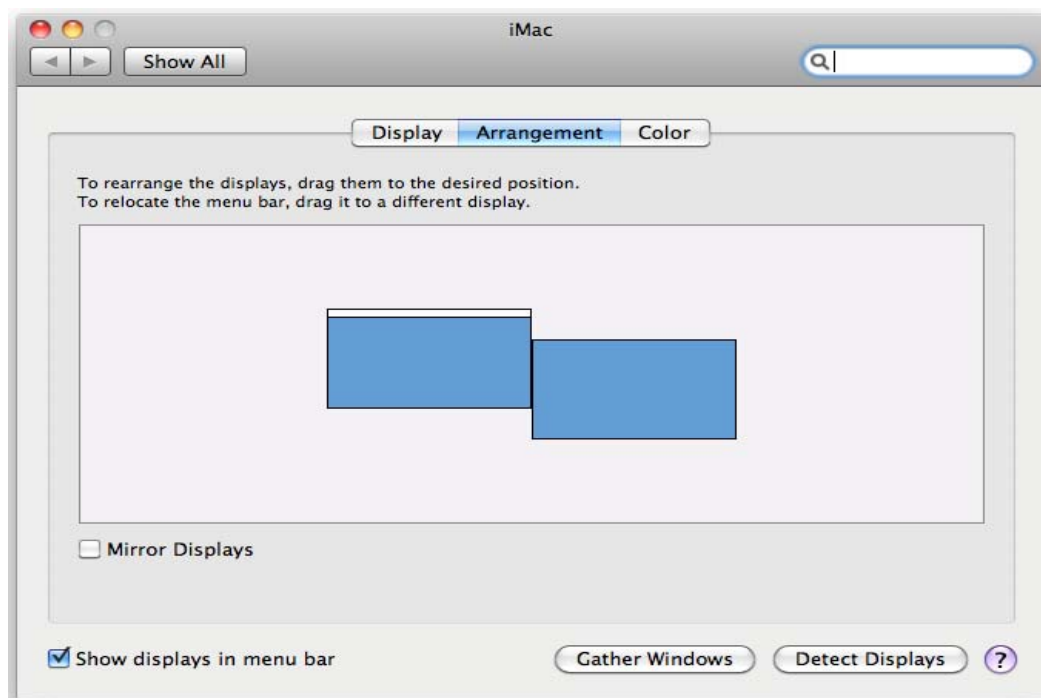
Set Resolution

From display preference, you can set a proper resolution for each display.



Set Position

From "Arrangement" pane, you can set the relative position between displays.

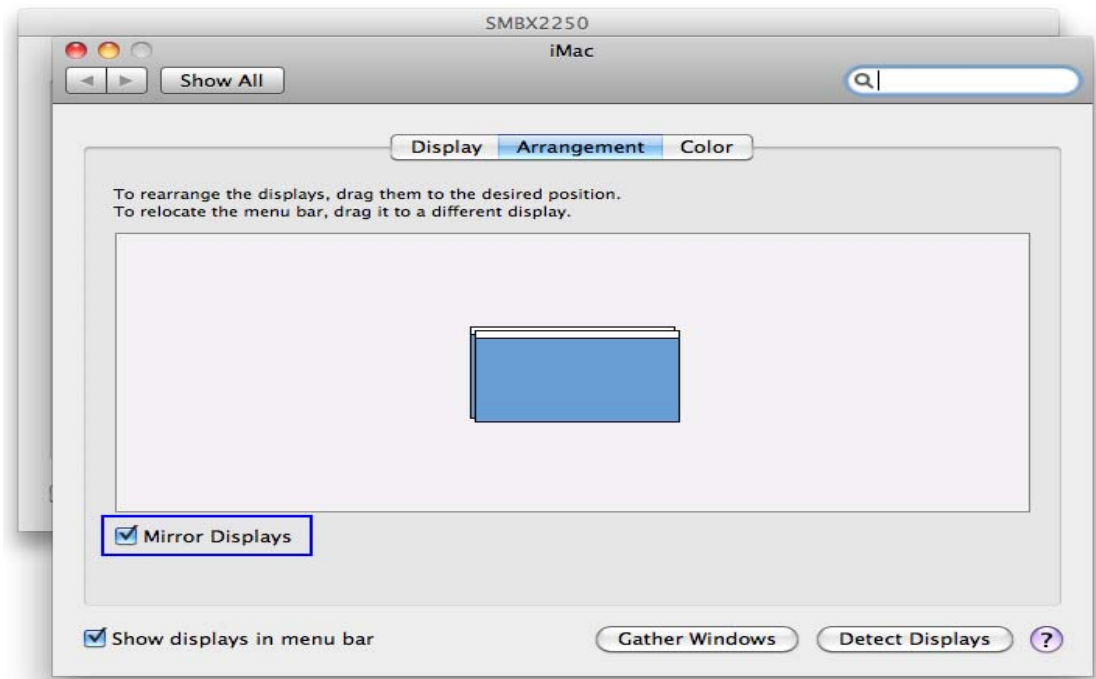


It is better to arrange display position to match the physical position of display. So you can switch between displays according to their physical position.

Set Display Mirror

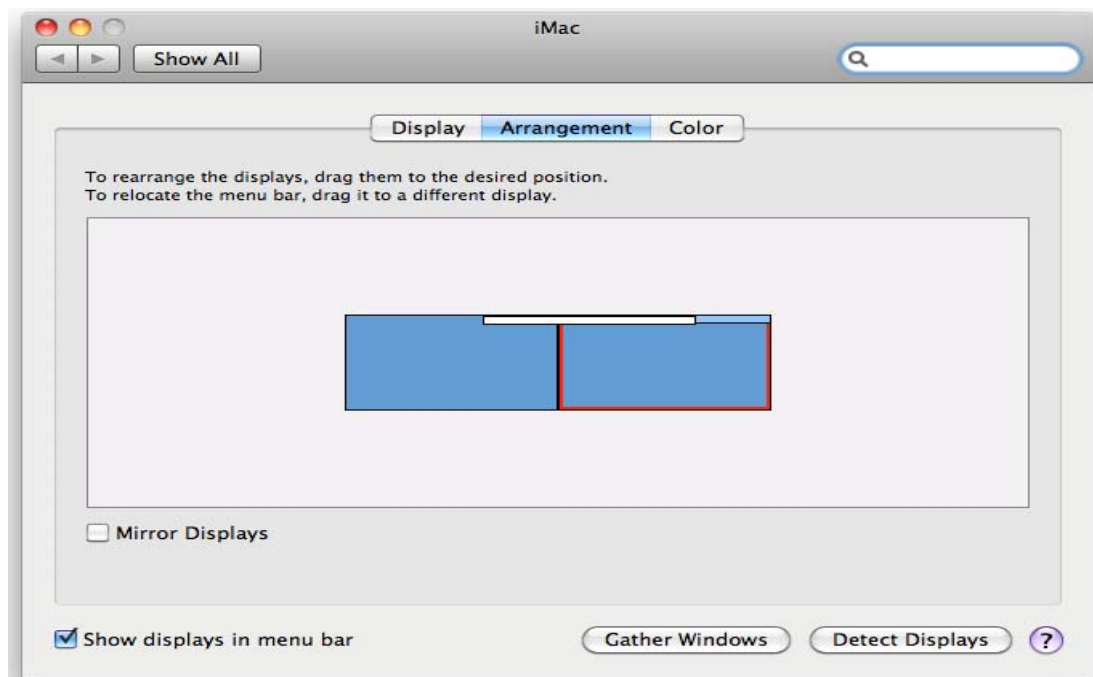
A mirrored display has the same content displayed in the screen. Check the "Mirror

Display" checkbox in "Arrangement" pane will set all other displays as mirrored display to main display.



Set Main Display

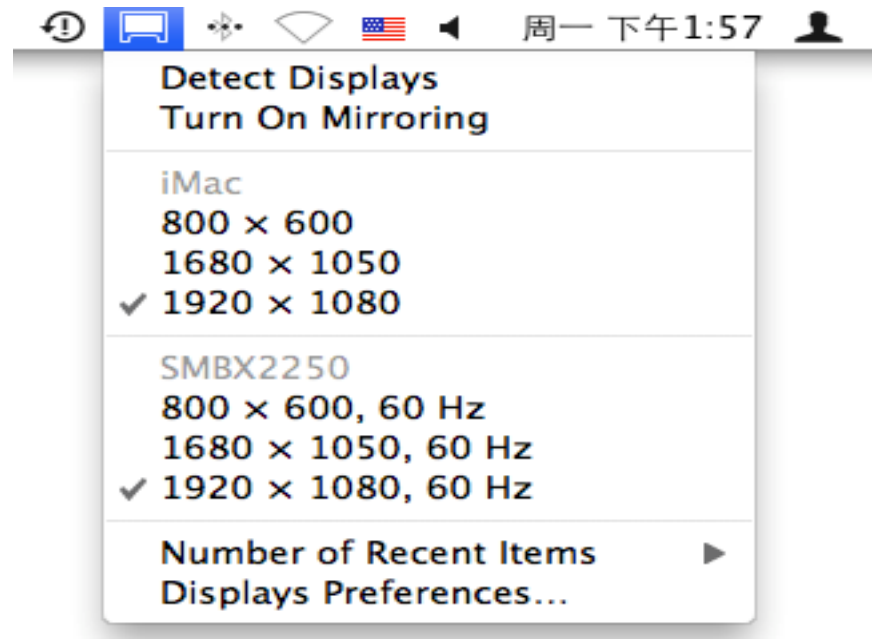
In the display arrangement view, drag menu bar (the white bar) to other display to change the display to be main display.



Display Menu Bar

Display Preference also support another way to access display: display menu bar. (Not available in 10.8, try "display menu" App instead)

1. Check "Show displays in menu bar" checkbox in "Arrangement" pane in Display Preference.
2. A display icon will be shown in menu bar. Click it, you will see something like this:



This menu supports a quick access to all displays available.

Uninstall

1. Open the Grain Media Software in Finder and double click "Uninstall".



2. Follow the program guide to finish uninstalling. Administrator privilege and a restart are needed.

Note

- This software is used for Grain Media USB Display Adaptor Only.
- It has not supported OpenGL Acceleration by now. So some Application required 3D features may be fail in Grain Media display. For example, Keynote presentation will fail in Grain Media display.
- Grain Media USB Display Adaptor supports USB 3.0 super speed transfer only on system with USB 3.0 host. It would degrade to USB 2.0 on system with USB 2.0 host.
- You can find more technical information in "release note".