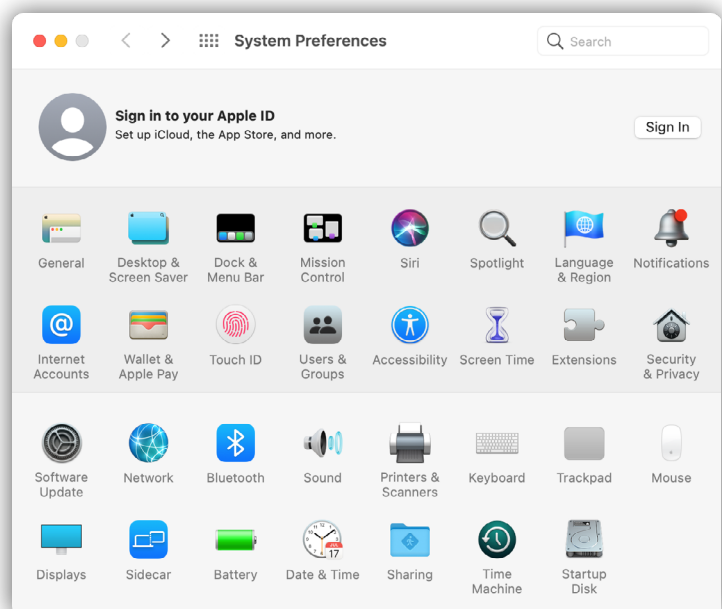


- | | | | |
|--|--------------------------|-------------------------------------|--------------------------|
| ① <u>Disable Display Mirroring</u> | <input type="checkbox"/> | ⑨ <u>Disable Automatic Updates</u> | <input type="checkbox"/> |
| ② <u>Disable Displays Have Separate Spaces</u> | <input type="checkbox"/> | ⑩ <u>Disable Time Machine</u> | <input type="checkbox"/> |
| ③ <u>Disable Screen Saver</u> | <input type="checkbox"/> | ⑪ <u>Disable Spotlight Indexing</u> | <input type="checkbox"/> |
| ④ <u>Disable Sleep</u> | <input type="checkbox"/> | ⑫ <u>Disable FileVault</u> | <input type="checkbox"/> |
| ⑤ <u>Disable Automatic Graphics Switching</u> | <input type="checkbox"/> | ⑬ <u>Control Apps on Startup</u> | <input type="checkbox"/> |
| ⑥ <u>Disable System Audio Sounds</u> | <input type="checkbox"/> | ⑭ <u>Enable Scroll Bars</u> | <input type="checkbox"/> |
| ⑦ <u>Disconnect From The Internet</u> | <input type="checkbox"/> | ⑮ <u>Disable iCloud Syncing</u> | <input type="checkbox"/> |
| ⑧ <u>Disable Bluetooth</u> | <input type="checkbox"/> | | |



All of the settings are found under **System Preferences** and should be changed prior to launching PlaybackPro or PlaybackPro Plus.



1 Disable Display Mirroring



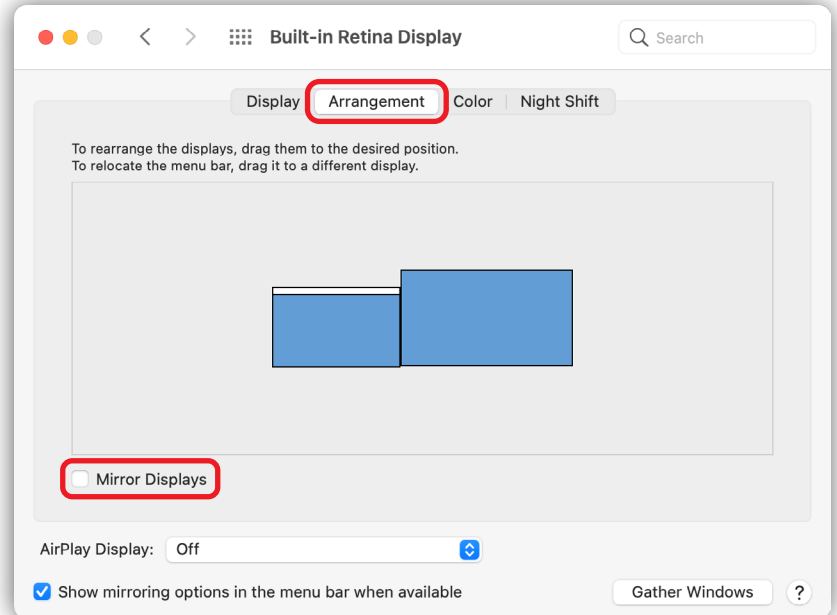
System Preferences

↳ Displays

↳ Display Arrangement Color Night Shift

↳ Uncheck "Mirror Displays"

PlaybackPro Plus only works in Extended desktop mode.



2 Disable Displays Have Separate Spaces

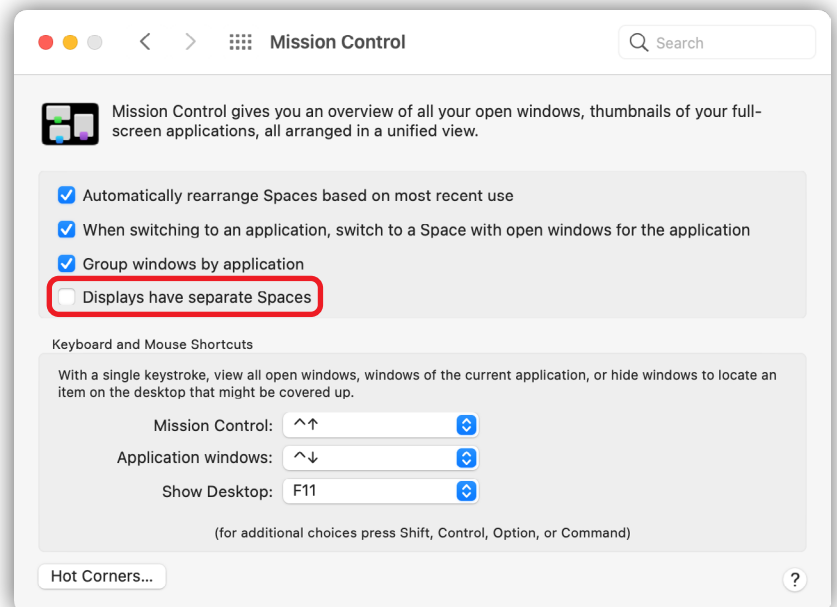


System Preferences

↳ Mission Control

↳ Uncheck "Displays have separate Spaces"

If this setting is checked, some Mac and switcher combinations will produce black on all displays.



3 Disable Screen Saver

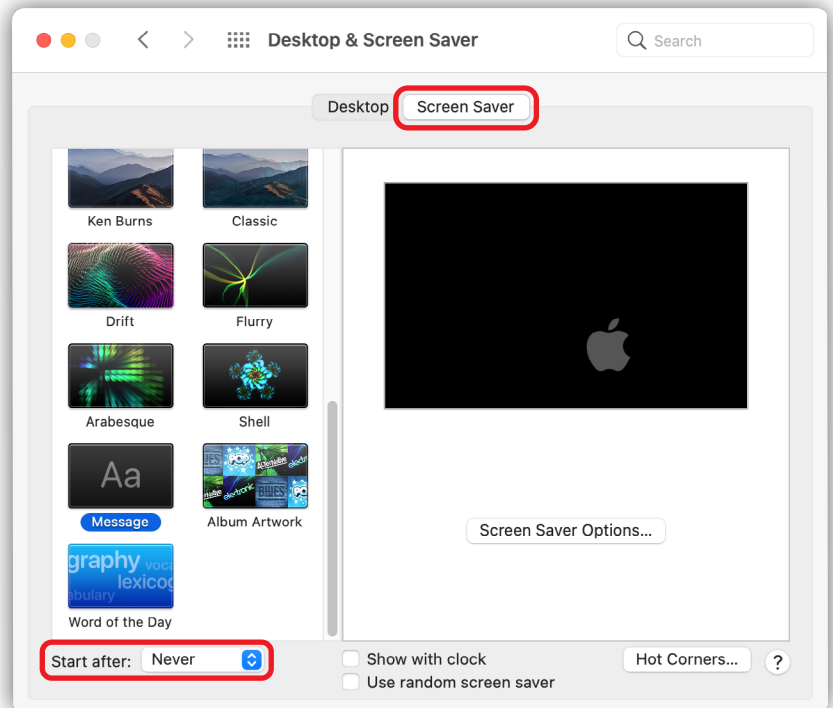


System Preferences

→ Desktop and Screen Saver

→ Desktop Screen Saver

→ Set "Start after:" to "Never"



4 Disable Sleep



System Preferences

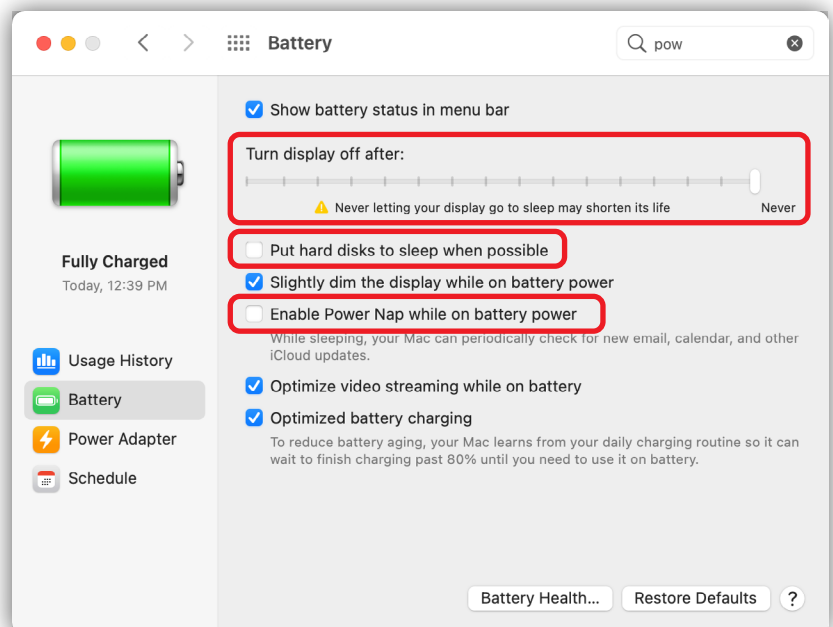
→ Energy Saver or Battery

→ Power Adapter
and/or
Battery sections

→ Set "Turn display off after:" to "Never"

→ Uncheck "Put hard disks to sleep when possible"

→ Uncheck "Enable Power Nap..."



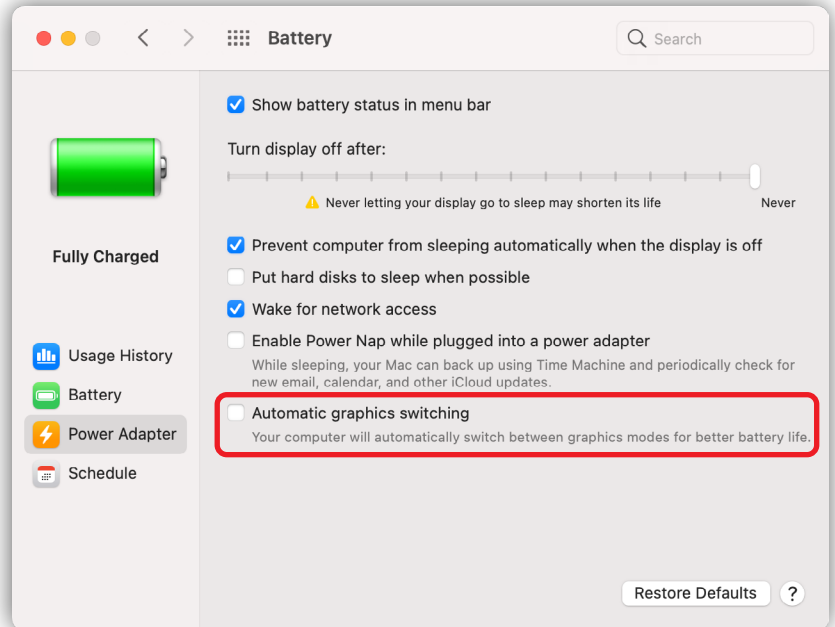
5 Disable Automatic Graphics Switching



System Preferences

- ↳ Energy Saver or Battery
- ↳ Power Adapter and/or Battery sections
- ↳ Uncheck "Automatic Graphics switching"

This setting only appears if your system has two graphics chipsets.



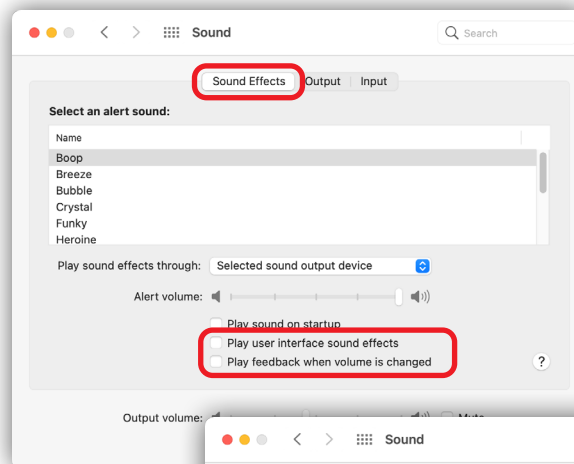
6 Disable System Audio Sounds



System Preferences

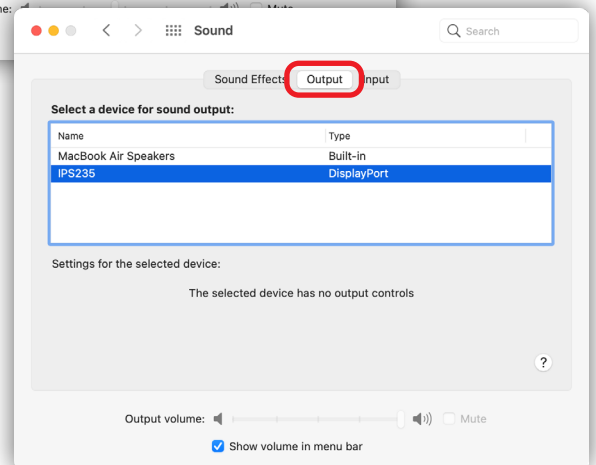
- ↳ Sound
- ↳ Sound Effects Output Input
- ↳ Uncheck "Play user interface sound effects"
- ↳ Uncheck "Play feedback when audio is changed"

These settings mute all MacOS sounds.



System Preferences

- ↳ Sound
- ↳ Sound Effects Output Input
- ↳ Select the output device you would like to use for all playback audio



7 Disconnect from the Internet



System Preferences

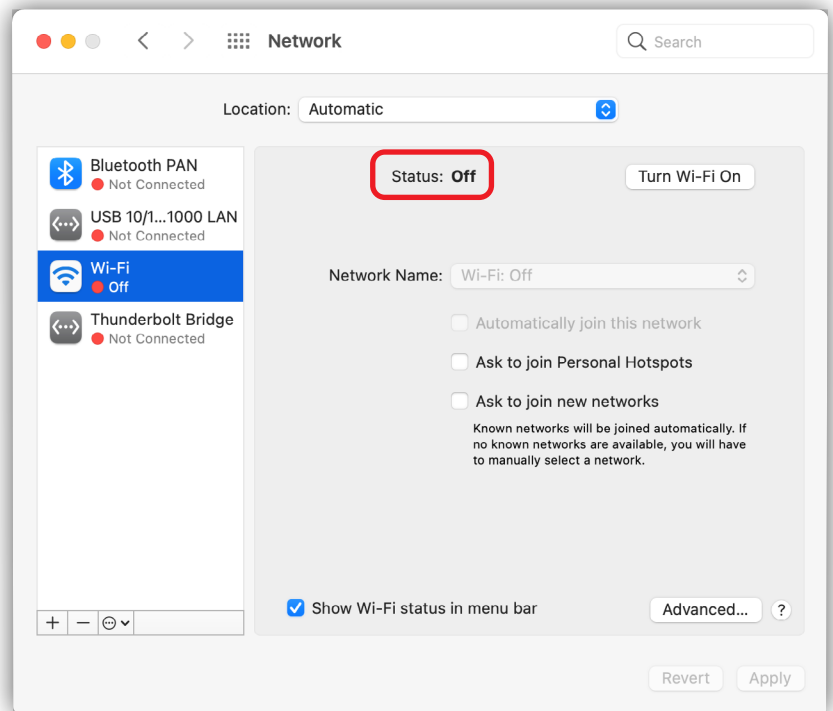


Network



Turn off all Internet connections

Background Internet connections may create additional processing and deplete system performance.



8 Disable Bluetooth



System Preferences

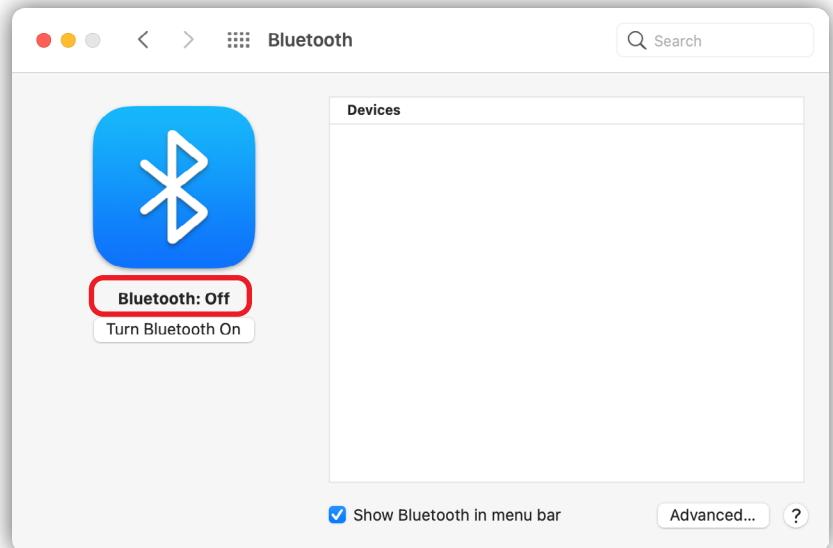


Bluetooth



Turn off all Bluetooth connections

Wireless connections for devices like mice or keyboards can be unreliable in show environments.



9 Disable Automatic Updates



System Preferences



Software Update



Uncheck "Automatically keep my Mac up to date"



System Preferences



Software Update

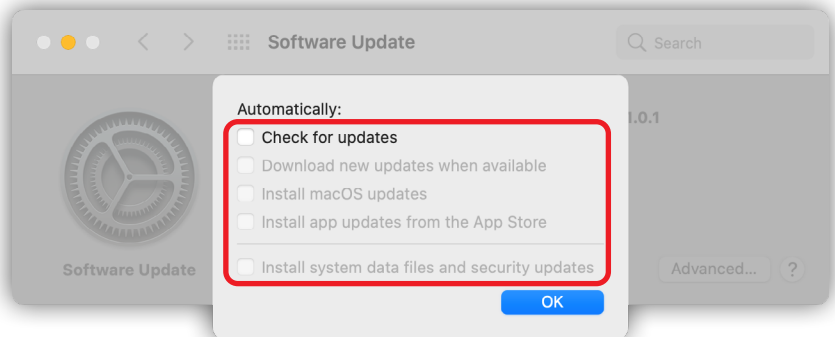
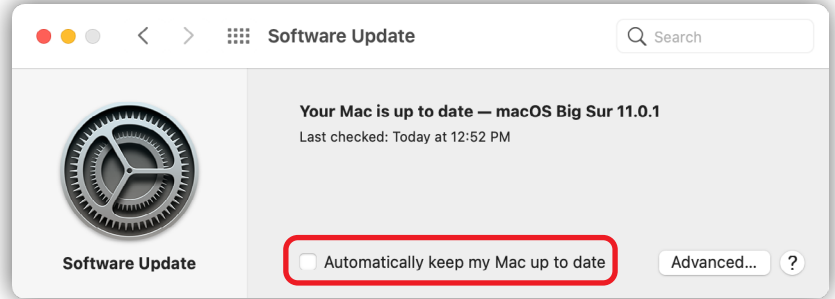


Advanced...



Uncheck "Check for updates"

Unanticipated software updates can significantly impact system performance.



10 Disable Time Machine



System Preferences

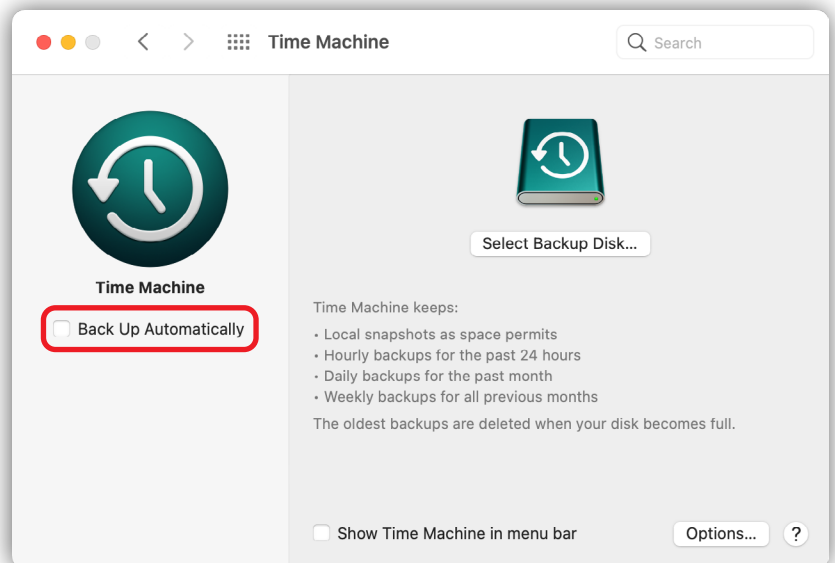


Time Machine



Uncheck "Back up Automatically"

Continual backups can cause computer performance degradation and affect playback.



11 Disable Spotlight Indexing



System Preferences



Spotlight

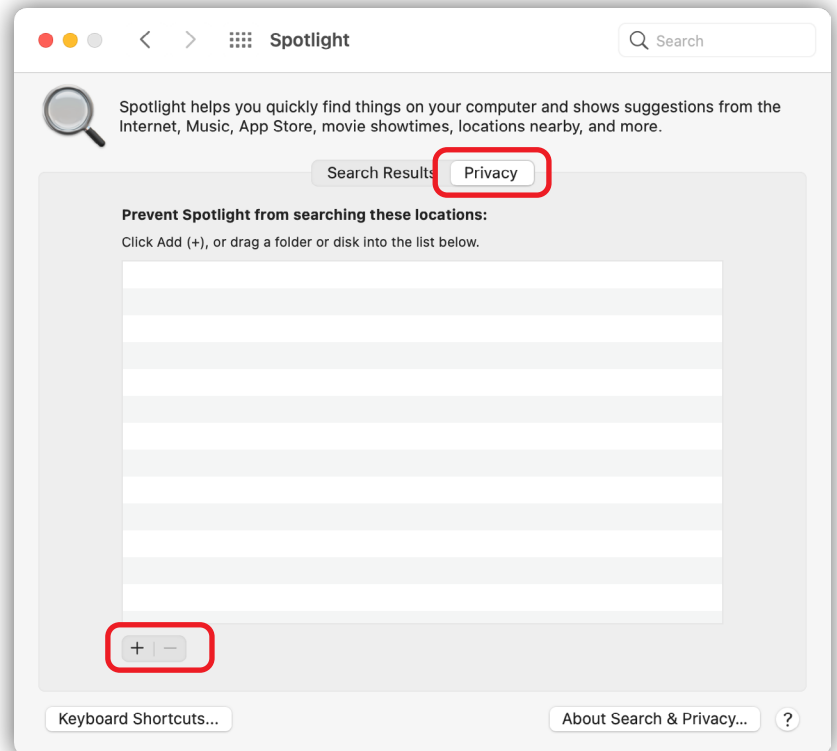


Search Results Privacy



Turn off macOS Spotlight indexing for external drives

Indexing helps macOS locate files faster on a drive but it takes time and can slow down a system.



12 Disable FileVault



System Preferences



Security and Privacy

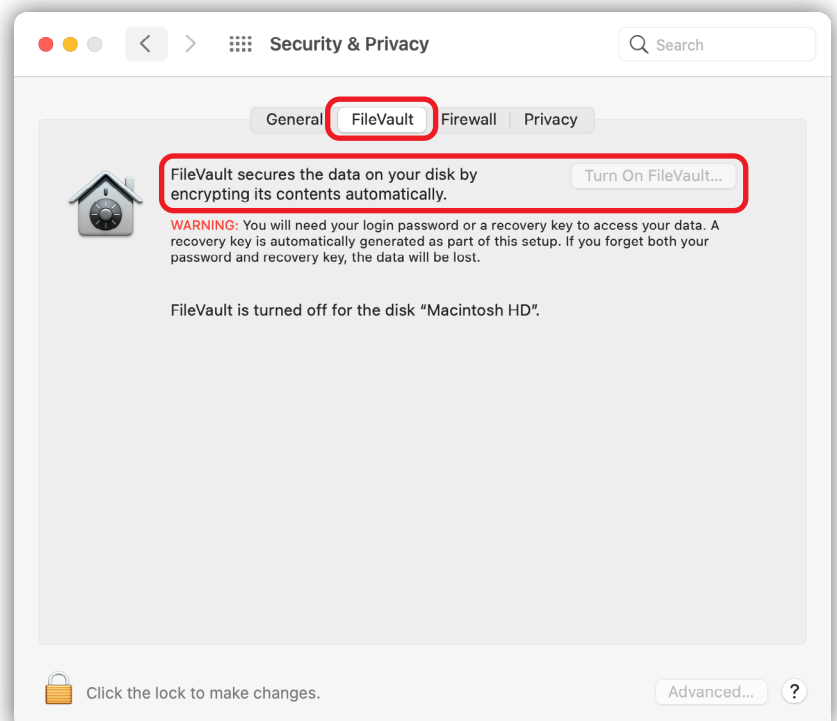


General FileVault Firewall Privacy



Turn off FileVault

FileVault is data encryption and is off by default. Encryption requires significant processing overhead and can impact playback performance. If your system has FileVault enabled, you need to check with the system admin before changing this setting.



13 Control Apps On Startup



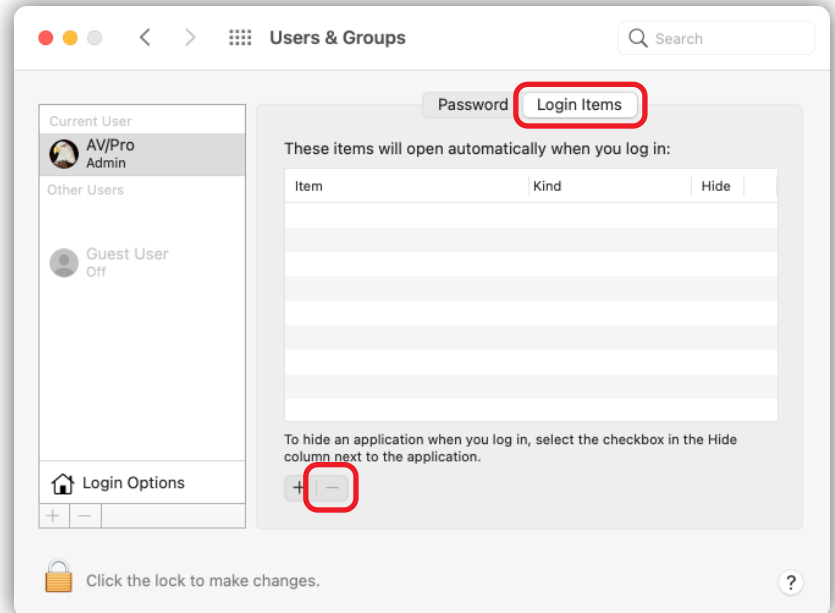
System Preferences

→ Users & Groups

→ Password Login Items

→ Minimize the number of apps loaded at startup

Minimize the number of apps loaded at startup. Fewer background apps results in more system resources for playback.



14 Enable Scroll Bars

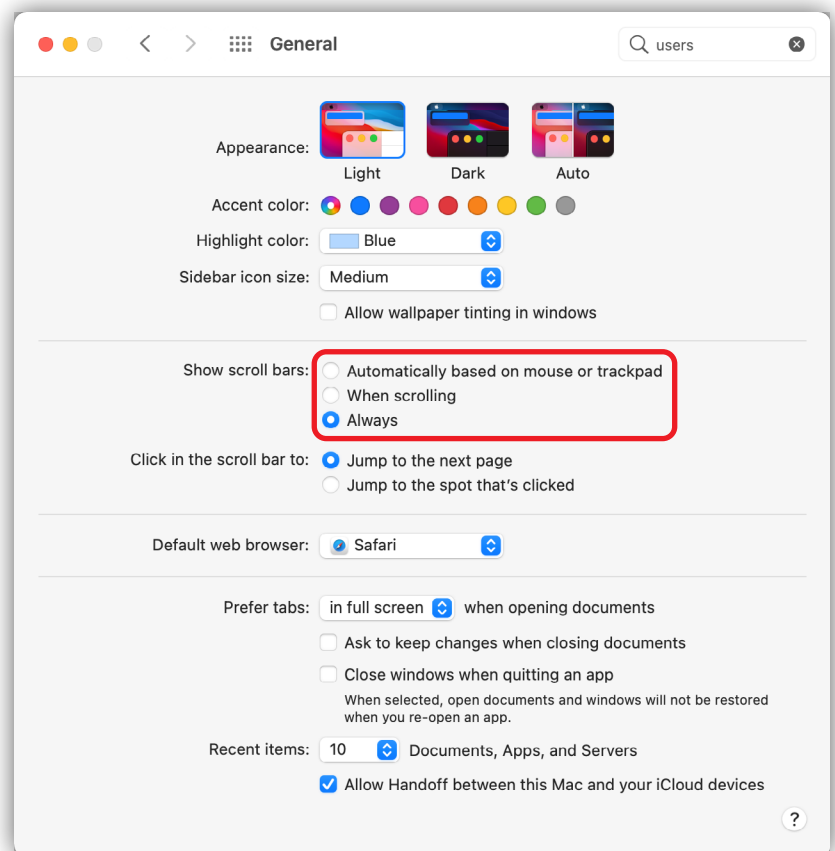


System Preferences

→ General

→ Under "Show scroll bars", select Always

Modern macOS versions hide scroll bars based on mouse or trackpad activity. It is helpful to always have them on when using PlaybackPro Plus.



15 Disable iCloud Syncing



System Preferences

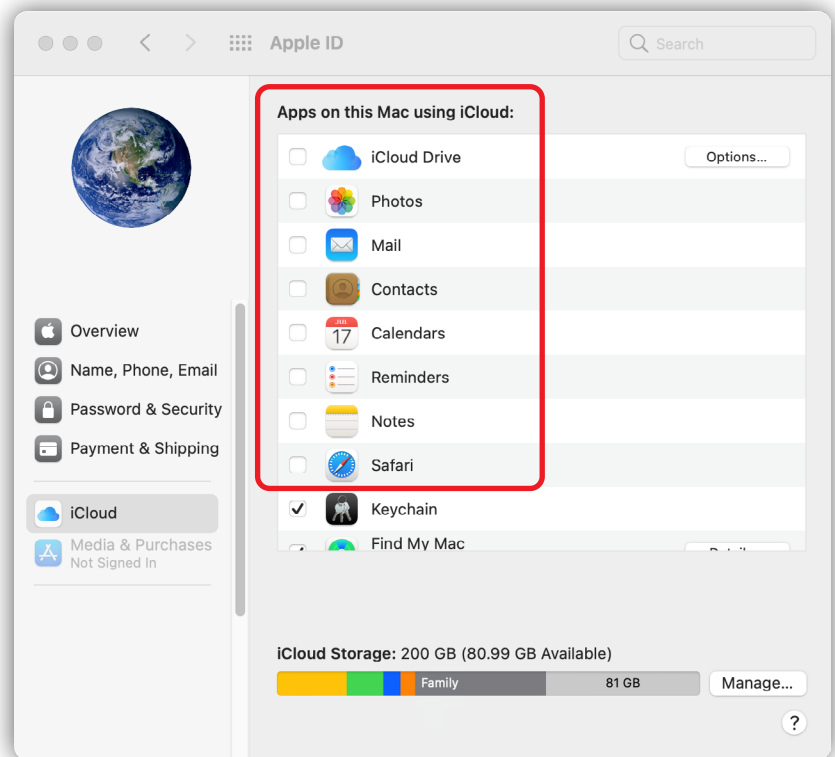


Apple ID



Uncheck "Apps on this Mac using iCloud:"

This step is not necessary if you have disabled Internet connections as outlined in section 7. If your computer remains connected to the internet, we recommend unchecking apps which sync with iCloud to avoid unexpected performance degradation. Please note that unchecking iCloud apps may, depending on your answer to the dialog box, remove local copies of files from your computer, proceed with caution.



Helpful Tips

Optimal File Types

If a file does not play well in PlaybackPro or PlaybackPro Plus a quick solution can be to re-encode and rewrap the file in a .mov container using QuickTime Player.

Other transcoding software like Apple Compressor or Adobe Media Encoder can be very helpful to process playback content.

Our recommended codecs are Apple ProRes 422 (Standard), h.264 or h.265 in a .mov (preferred) or .mp4 container.

