

MERGING TECHNOLOGIES

Virtual Audio Device Installation - Legacy (VAD v3.x)

[Prerequisites](#)

[Reduced Security Setup and Installation \(Apple Silicon only\)](#)

[Installation Procedure \(Apple Silicon and Intel\)](#)

[Installation Notes.](#)

Prerequisites

The Merging Virtual Audio Device driver can be installed as a stand-alone driver, at least one Network hardware RAVENNA or AES67 compatible is required for the Driver to be operational.

OS

- **Sequoia** (Mac Intel, M1, M2, M3 & M4): 15.1.x up to 15.5 supported, VAD v3.5.1 and higher recommended
- **Sonoma** (Mac Intel, M1, M2 & M3): 14.7.X supported, VAD v3.3.0 and higher recommended
- **Ventura** (Mac Intel, M1, M2 & M3) 13.x: RAVENNA -VAD (Core Audio) v3.2.5.55784 dmg to 3.6.0
- **Monterey** (Mac Intel, M1, M2) supported, VAD v3.2.2 to 3.6.0
- **Big Sur** (Mac Intel, M1) supported, VAD v3.2.1 to 3.5.0

WARNING: Apple Silicon (M1, M2, M3, M4) systems requires additional steps in the installation procedure.

Reduced Security Setup and Installation (Apple Silicon only)

1. Boot the M1, M2, M3,... computer in **Recovery mode** (turn it on with the power button pressed until the screen shows the startup options are loaded)
2. Select *Options*, then your *login*
3. In the top menu go to *Utilities* → *Startup Security Utility*. Select the system where the Merging VAD driver will be installed
4. Continue with → *Security Policy* at the bottom right
5. Select *Reduced Security* → **Allow user management of kernel extensions from identified developers**

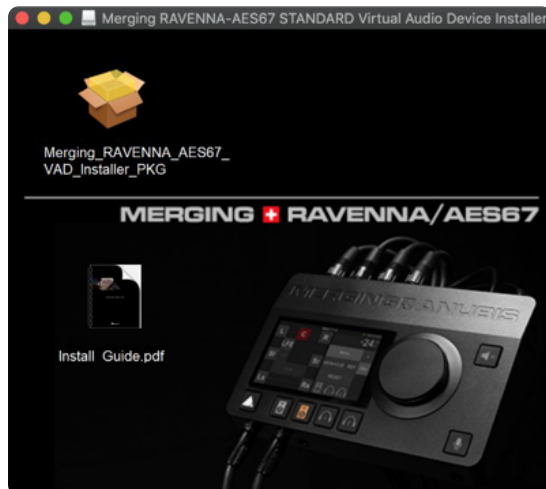
MERGING TECHNOLOGIES



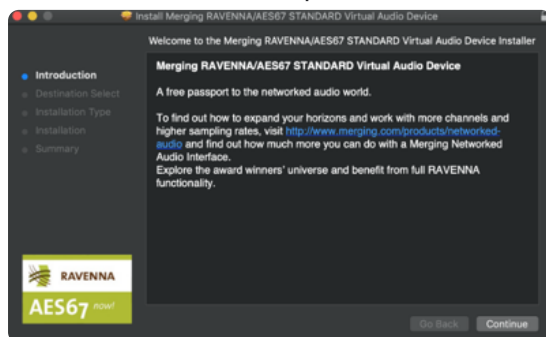
6. From the top Apple Menu select “Restart” in order to reboot your computer.

Installation Procedure (Apple Silicon and Intel)

1. Download the **Merging Virtual Audio Device** Installer for MAC.
2. Open the **Merging_RAVENNA_AES67_VAD_Installer.PKG** file and mouse click on it

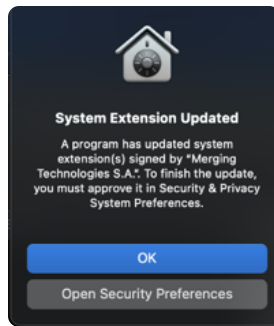


3. Click on **Continue** to proceed with the installation.

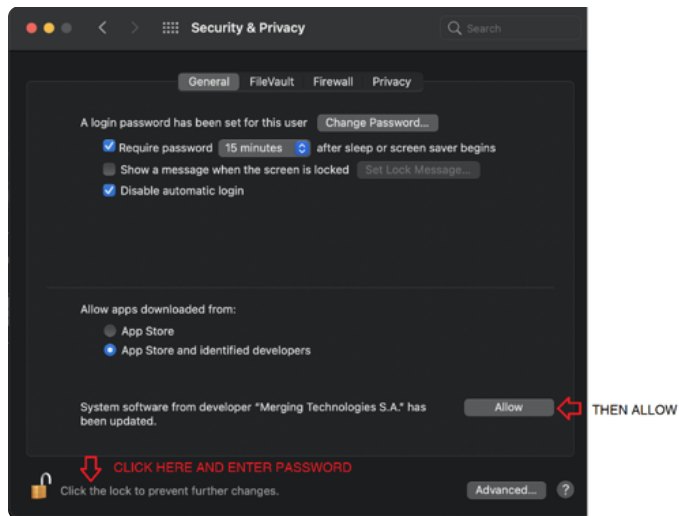


4. Follow the installer instructions. You will be prompted to enter the Administrator password
5. During the installation you will prompt that the Merging RAVENNA Audio Device has updated System Extensions and you must approve it.

MERGING TECHNOLOGIES



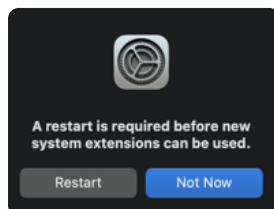
6. Open the *System Preferences > Security & Privacy*, when asked.
7. Click on the Lock to enter your password and then press the *Open Anyway* entry to confirm your intent to open or install the app.



The app is now saved as an exception to your security settings

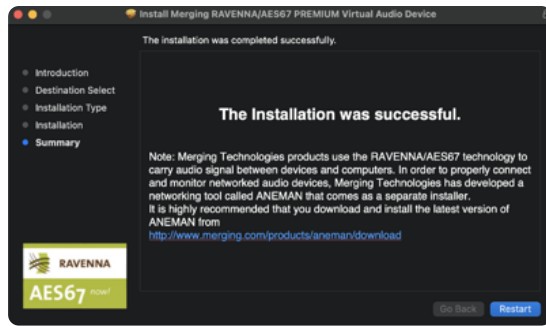
Warning: You have about 30 min to do so otherwise the application might not run and it could require an uninstall and reinstall of the VAD.

8. It will display Successful. Click *Close* to exit
- Note: At times, the System Extensions update asks you to restart before the installation is finished.
- Please wait for installation to finish before restarting.

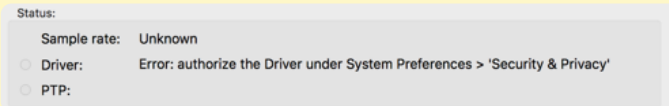


9. Restart the Mac after the driver installation and once the System Extensions have been authorized.

MERGING TECHNOLOGIES



IMPORTANT: If the Driver is not well authorized a warning should be displayed on the Driver VAD Panel



The OS requires you to immediately (within 30minutes) authorize the Driver by going to the *System Preferences>Security & Privacy* and **Allow** the driver if it is listed in the General Settings under “Software Developer”.

The “ALLOW” button might not be clickable in remote access, please connect a mouse locally and have a local access to the mac in order to select the “Allow” option.

There is a possibility that this message does not show, that depends on how the macOS update was performed.

10. Go into MAC System Preferences, in Other open the Merging RAVENNA icon.



11. Configure the application you wish to use (DAW) so that the I/O connections use the Virtual Audio Device in order to perform that task use either the UNITE or RAV/AES67 mode

MERGING TECHNOLOGIES

Installation Notes.

- The VAD installer includes ANEMAN, the Merging Audio NEtwork MANager, that will allow you to connect, monitor, and manage your networked audio devices.

As of the MERGING RAVENNA Audio Device v3.0 user can use UNITE instead of ANEMAN for simple set up AoIP connections.

For simplified connectivity we recommend the use of UNITE rather than ANEMAN.