



SW/FW Release note 2023.11.15.

Introduction.

This document gives a short description of the new functions, features and bug fixes introduced in this release of the DADman control software and the updated firmware. The released functionality is applicable for the products AX32, DX32, Penta and DAD Thunder|Core series, MOM, Avid MTRX, Avid MTRX Studio and Avid MTRX II, generally denominated the Products in this document.

This new release covers support for DADlink in the firmware for AX32, DX32, Penta and Avid MTRX. The firmware for the ThundeCore products and MTRX II now have an updated DADlink functionality that is compatible with AX32, DX32, Penta and Avid MTRX.

DADman now supports DADlink on all the products listed above. New functionality has been added so the application can run in the menu bar only, the mode of the talkback function is extended, as well as other various new features have been added.

For a description of the DADlink functionality reference is made to the document: *Technical note, DADlink and Mini MADI module.*

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|--|----------------------------|-----------|
| DADman control software: | MacOS | New |
| Compatible with MacOS 10.13 to 10.15 and MacOS 11, 12, 13 and 14 with Intel or Apple silicon processor | v.5.7.0 build 1 | |
| Windows 10 and 11 | Windows v.5.7.0 build 1 | New |
| Thunder Core driver software: | MacOS | No change |
| DAD Thunderbolt 3 Core Audio Driver: | v.1.1.26 | |
| Compatible with macOS 11, 12, 13 and 14 Apple Silicon and Intel Computers | | |
| DAD Thunderbolt 3 Windows ASIO driver | Windows v. 1.1.2 | No change |
| Compatible with Windows 10 and 11 | | |
| Main board firmware for: | | |
| AX32, DX32, Penta 720, Penta 721s, Avid MTRX | v.2.4.1.2 | New |
| Brooklyn 2 Dante module (Dante version 4.0.9.1) | v.1.0.2.1 | No change |
| Brooklyn 3 Dante module (Dante version 4.2.3.8) | v.1.1.0.2 | No change |



Main board firmware for:

| | | |
|--|-----------|-----------|
| MTRX Studio | v.1.1.3.1 | New |
| MTRX Studio Dante 64 IPCore (Dante version 1.3.7.1) | v.1.0.0.4 | No change |

Main board firmware for:

| | | |
|---|-----------|-----------|
| AX64, AX Center, Core256 and Avid MTRX II | v.1.0.5.2 | New |
| Dante 256 IPCore (Dante version 4.1.1.1) | v.1.0.2.1 | No change |

New features, firmware

The main new features are:

- Main board firmware for AX32, DX32, Penta 720, Penta 721s, Avid MTRX
 - Support for DADlink functionality along with the existing MADl and Hotlink formats on the optional mini Madi modules.
- Main board firmware for AX64, AX Center, Core256 and Avid MTRX II
 - Existing DADlink format is updated for compatibility with the products listed above.
 - Intel Signed firmware for the Thunderbolt 3 module is added to the boot sector. Note that this firmware does not have new functionality apart from being signed.
- Main board firmware for MTRX Studio
 - Intel Signed firmware for the Thunderbolt 3 module is added to the boot sector. Note that this firmware does not have new functionality apart from being signed

New features, DADman

Talkback mode

In the Monitor Profile dialogue, a new RAW mode has been added for the talkback button. In this mode, talkback is active while the button is held down and ends when the button is released. The previous mode can also be selected, where the talkback function can be either latched or toggled depending on the duration of the push on the button. Note that this RAW mode applies to control via the DAD MOM and the Avid MTRX Studio, **but not when talk back is managed via Eucon devices. Here the toggled/latch mode always applies.**



Run DADman without showing the DADman window

DADman is now able to run from the Menu bar or Doc on MacOS or from the Tray area on Windows as well as in the current mode with a visible GUI.

On MacOS the Show mode is selected in the preference dialogue with three possible values

- "Dock Only": DADman behaves like a normal MacOS application.
- "Menu Bar and Dock": DADman behaves like a normal MacOS application but also shows an icon in the system menu bar.
- "Menu Bar Only": DADman is available in the system menu bar. When the main DADman window is closed, all other DADman windows are hidden and the application does not show in the Dock.
- To bring back the DADman window, use the "Show" entry in the DADman menu bar item. In this mode, the DADman window will be shown again if:
 - a. DADman is launched again (for instance by double-clicking it from the Finder)
 - b. A .dms or .dmprof file is opened.
 - c. DADman is told to exit (via the menu bar "Quit" item).

If DADman still shows in the Dock after choosing this setting, you may need to right-click the icon in the Dock and disable "*Options > Keep in Dock*".

Known issue: In this mode, DADman will not save files when the user logs out or the system is shutdown or rebooted.

Note. If auto start is setup for the DADman application in the MacOS systems settings. DADman will load also when Show Mode have been set to Dock or Menu bar.

On Windows: Add a "Minimize to Tray" option.

- When this is enabled, a DADman icon is shown in the Windows tray area. Minimizing the main window will remove DADman from the taskbar, but leave the tray icon. When DADman is first launched, only the tray icon will be visible.
- Left-clicking the tray icon will show the DADman window if it's not the active window and hide it otherwise. Right-clicking the icon brings up a menu with "Show", "Hide" and "Quit" items.

The main DADman window can now be closed

On Mac OS The main DADman window can now be closed. To open it again, do one of the following:

Click the DADman icon in the Dock or double-click it in the Finder.

- Open a .dms or .dmprof file.
- Hit ⌘⇧1 or click "DADman" in the "Window" menu.



Various new DADman functionality

Various general functionality has been added to the DADman control surface on MacOS and Windows.

- Device name and DADLink port name of a device connected via DADLink is now available in the tool tip of the general matrix view when hovering over a DADLink input group.
- When hovering a matrix view, a tool tip now indicates the corresponding input and output channel numbers and labels.
- The maximum size of matrix views is now configurable in the preference dialouge. The default is 32x32. Other options are 64x64, 128x128 and 256x256.
- The main menu items for opening/saving/closing Monitor Profiles now have keyboard shortcuts. The table below lists the current shortcuts on both platforms:

| Settings files | macOS shortcut | Windows shortcut |
|-------------------|----------------|------------------|
| File > Open... | ⌘O | Ctrl+O |
| File > Save | ⌘S | Ctrl+S |
| File > Save As... | ⌘⇧S | Ctrl+Shift+S |

| Monitor Profile files | macOS shortcut | Windows shortcut |
|---------------------------|----------------|------------------|
| File > Open Profile... | ⌘⇧O | Ctrl+Alt+O |
| File > Import Profile... | ⌘⇧I | Ctrl+Alt+I |
| File > Save Profile | ⌘⇧S | Ctrl+Alt+S |
| File > Save Profile As... | ⌘⇧⇧S | Ctrl+Alt+Shift+S |
| File > Close Profile | ⌘⇧W | Ctrl+Alt+W |

| Opening windows | macOS shortcut | Windows shortcut |
|---------------------------|----------------|------------------|
| Open/activate main window | ⌘⇧1 | - |
| Device List... | ⌘⇧L | Ctrl+Shift+L |
| Monitor Profile... | ⌘⇧M | Ctrl+Shift+M |
| Settings... / Options... | ⌘, | Ctrl+, |



On Windows only, various general functionality has been added:

- DADman will now automatically search for network devices when network connections change. Similar functionality was already added for MacOS in version 5.6.3.
- Windows installer: Creating a desktop shortcut is now optional.
- Opening DADman multiple times will now activate instead of opening multiple instances.
- Multiple instances can be opened by passing the -m command line flag to DADman.exe.

New DADman file open functionality

- It is now possible to open both .dms and .dmprof files from the Finder and Windows Explorer. Multiple files can be opened at once. DADman will attempt to open the first found .dms file and the first found .dmprof file and ignores the remaining files.
- To open files from the command line or a script on macOS use: `open -a DADman <settings.dms> <profile.dmprof>`. The -a DADman part is not strictly necessary but helps if other installed applications use the same file extensions.
- To open files from the command line or a script on Windows use: `DADman.exe <settings.dms> <profile.dmprof>`.

Changes in DADman functionality

- When loading settings and monitor profile files, DADman will now continuously attempt to connect to devices. This replaces the old behavior where an alert was shown after trying for 10 seconds and DADman would stop connecting until the "Retry" button was clicked.
- Windows: The main window background is now a solid white or black depending on the users choice of "Dark" / "Light" mode system setting.
- Using the trackpad or scroll wheels over a matrix view will now scroll the contents of the matrix view instead of the full DADman view.
- Windows: Various changes to the graphics backend to fix cosmetic bugs and improve overall drawing and scrolling performance.

Bug fixes

Fixes in DADman functionality

- Windows: DADman now attempts to save files and settings on signout, shutdown or restart.
- macOS: The "Always Save File" preference for Settings files now works.
- macOS: Double-clicking a .dms file when DADman is already running will now open the file.
- Fix data corruption when adding fold down matrices with more than 1024 elements.