



DADman v.5.6.5.1 Software Release Notes

October 13, 2022 (Release)

Introduction

This document provides a short description of the new functions, features, and bug fixes introduced in DADman v.5.6.5.1 control software, Avid MTRX firmware v.2.3.5.3, and MTRX Studio firmware v.1.1.1.5. Also included is a list of technical alerts. This release is applicable for the Avid MTRX, Avid MTRX Studio and MOM.

System Requirements and Compatibility

DADman v.5.6.5.1 runs on Mac computers with the M1 processor using the new Apple Silicon architecture. DADman will run natively on these computers but will also run on MAC Intel based computers. DADman supports macOS 11 and macOS 12 (Monterey) on both hardware platforms.

DADman Software Version	macOS	Windows
v.5.6.5.1	macOS Yosemite – Catalina (10.10 – 10.15) *macOS Big Sur (11) *macOS Monterey (12) * With Intel or M1 processors	
v.5.6.5.1		Windows 7, 8, 10 + 11

Product	Main Board Firmware Version	Corresponding Dante Firmware Version
Avid MTRX	v.2.3.5.3	Dante 64 Firmware (Brooklyn II) v.4.0.9.1 Dante 128 Firmware (IPCore) v.1.0.2.1
Avid MTRX Studio	v.1.1.1.5	Dante 64 (IPCore) v.1.3.7.1

Feature Enhancements and Bug Fixes

Feature enhancements:



Windows 11 support.

Firmware for MTRX and MTRX Studio has improved auto DHCP functionality.

Prior to DADman 5.6.5.1 and its accompanying firmware versions, if a MTRX or MTRX Studio were set to receive DHCP and the networking serving addresses took a little too long to come online, MTRX or MTRX Studio would self-assign a 169 address. Once the DHCP network was fully online, if the MTRX Or MTRX Studio had already self-assigned an address, it would not pick up an address from the external DHCP server. As a result, we had advised users to wait to power up their MTRX or MTRX Studio until after the rest of the network was stable. As of DADman 5.6.5.1 (and accompanying firmware versions) If a MTRX or MTRX Studio self-assigns a 169 address, once a DHCP server is detected, it will automatically grab an address. A few things to note:

- There will be no notification that there has been an address change.
- The unit will not reboot itself with this network change (previously, any manual network changes would initiate an automatic device reboot).

Firmware for MTRX and MTRX Studio is now compatible with existing hardware versions.

Due to a component shortage, the mainboards for both MTRX and MTRX studio have been redesigned to accommodate a new oscillator crystal, which is vital for clocking functionality. As a result, devices with the new mainboard require firmware v.2.3.5.3 (for MTRX) or 1.1.1.5 (for MTRX studio). Old firmware versions are not compatible with these new boards, however, these most current firmware versions have the ability to query the mainboard, identify if it is the “new” vs. “old” version, and adapt and load a version of itself that is compatible with that version.

How do you determine what version of the motherboard you have?

In DADman’s Device List page, the mainboard row, type and version column will show a number that ends with an “A” or an “A1”. The Avid Part number will also be different. For example (MTRX Studio):

Old mainboard version:

Item	Slot	Status	Type and version	Serial Number	FW version
Main Board	-	OK	722100A 200831	7221002224088	cpuFw: 1.0.3.2, matrix: 1.0.5.6, nios: 1.0.1.2, recovery: ...
Front Panel	-	OK	722110A 200622	7221102223039	fpga: 1.0.0.1
Dante IP	-	OK		0060db031ccd	fpga: 1.0.0.4, swver: 4.1.0.2, fwver: 3.0.0.7, apiver: 4...



New mainboard version:

Item	Slot	Status	Type and version	Serial Number	FW version
Main Board	-	OK	722100A1 220627	7221002236224	cpufw: 1.1.1.6, matrix: 1.1.24.8, nios: 1.1.5.3, recovery...
Front Panel	-	OK	722110A 200622	7221102223090	fpga: 1.0.0.1
Dante IP	-	OK		0060db031ea5	fpga: 1.0.0.4, dntfwver: 4.1.0.2, appswver: 1.0.3.1

The Type and Version ending in “A” is the old version of the mainboard, and “A1” is the new version of the board.

MTRX Model	Old Mainboard Version	New Mainboard Version	Old Avid Part #	New Avid Part #
MTRX	722100A	722100A1	9900-71247-02	9900-71247-03
MTRX Studio	720100A	720100A1	9900-74068-00	9900-74068-01

Old firmware loaded onto a unit with the “new” mainboard will cause the unit to not work. It will be able to be communicated with in DADman, but it will not pass signal.

Bug Fixes:

- DigiLink mode in MTRX Studio now works in “expansion” mode.
- Monitor profile improvements – changes to signal allocations are now better managed to avoid signal mis-routes. (XNTP-49)
- MADi card signal now shows up correctly and consistently in DADman’s routing matrix.

Technical Alerts

- Transferring Monitor Profiles between units throws misleading error. (XNTP-13)
- Avid S6 + DADman: There may be issues with monitor profile binding. (XNTP-14)
- With DADman + WSC set to autolaunch upon startup - DADman will delay to connect to any attached devices until WSC has completed it’s connection to an MTM (about 30 seconds). (XNTP-31)
- DADman may not clean up EuCon Connection upon close. (XNTP-40)