SW/FW Release note 2023.06.14

Introduction.

This document gives a short description of the new functions, features and bug fixes introduced in this release of DADman control software, Thunder|Core Audio drivers and Product firmware. The released DADman 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 MTRX II in DADman, and a release of DAD Thunderbolt 3 Core Audio and Windows ASIO driver, as well as the new DADlink audio format.

DADman control software:	MacOS	New
Compatible with Mac OS X 10.10/11 MacOS 10.12 to 10.15 and MacOS 11, 12 and 13 with Intel or Apple silicon processor	v.5.6.9 build 1	
Windows 10 and 11	Windows	New
	v.5.6.9 build 1	
Thunder|Core driver software:	MacOS	New
DAD Thunderbolt 3 Core Audio Driver:	v.1.1.26	
Compatible with macOS 11, 12 and 13 Apple Silicon and Intel Computers		
	Windows	New
DAD Thunderbolt 3 Windows ASIO driver	v. 1.1.2	
Compatible with Windows 10 and 11		
Main board firmware for:		
AX32, DX32, Penta 720, Penta 721s, Avid MTRX	v.2.3.6.1	No change
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.1.1.1.5	No change
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.1.0.3.4	New
Dante 256 IPCore (Dante version 4.1.1.1)	v.1.0.2.1	New

New features

The main new features are:

- DADman now supports the new product MTRX II and some new features
  - o Clone Setting.
    It is now possible to clone (copy) settings from one unit to another. Either between two connected units or by extracting the settings from a settings file and applying these to a connected unit. Cloning is only allowed between units within the same family. The following 3 family groups exist:
    MTRX, AX32, DX32, Penta 720, Penta 721 and Penta 721s
    MTRX II, AX64, AX Center and Core 256
    MTRX Studio
    Ideally the 2 units should be identical in configuration (same type of cards in the same slots). All settings for cards in the target unit, that do not have a similar card present in the same slot position in the settings source, will be set to factory default values
  - o Other minor improvements
- Firmware for AX64, AX Center, Core 256 and MTRX II: support for DADLink
  - o DADLink is a new proprietary interface by DAD. It uses the Madi Mini Module equipped with optical SFP modules to transfer up to 128 channels @ 48 kHz, 64 channels @ 96 kHz or 32 channels @ 192 kHz per link. The link rate is 312.5 MHz. The links are "zero" latency (approx.1 micro second) between the connected units meaning that all inputs and outputs are phase aligned provided the Digi delay is set to the same value in the two or more units connected via DADLink. For proper alignment of inputs and outputs it is recommended that either DADLink or WCLK is used as the sync source between the unit set as Clock leader and the unit(s) set as follower.
- Thunder|Core Thunderbolt 3 ASIO driver released for Windows with a stand-alone configuration application.

Bug fixes

- Minor bug fixes in DADman
- Minor bug fixes and performance improvements