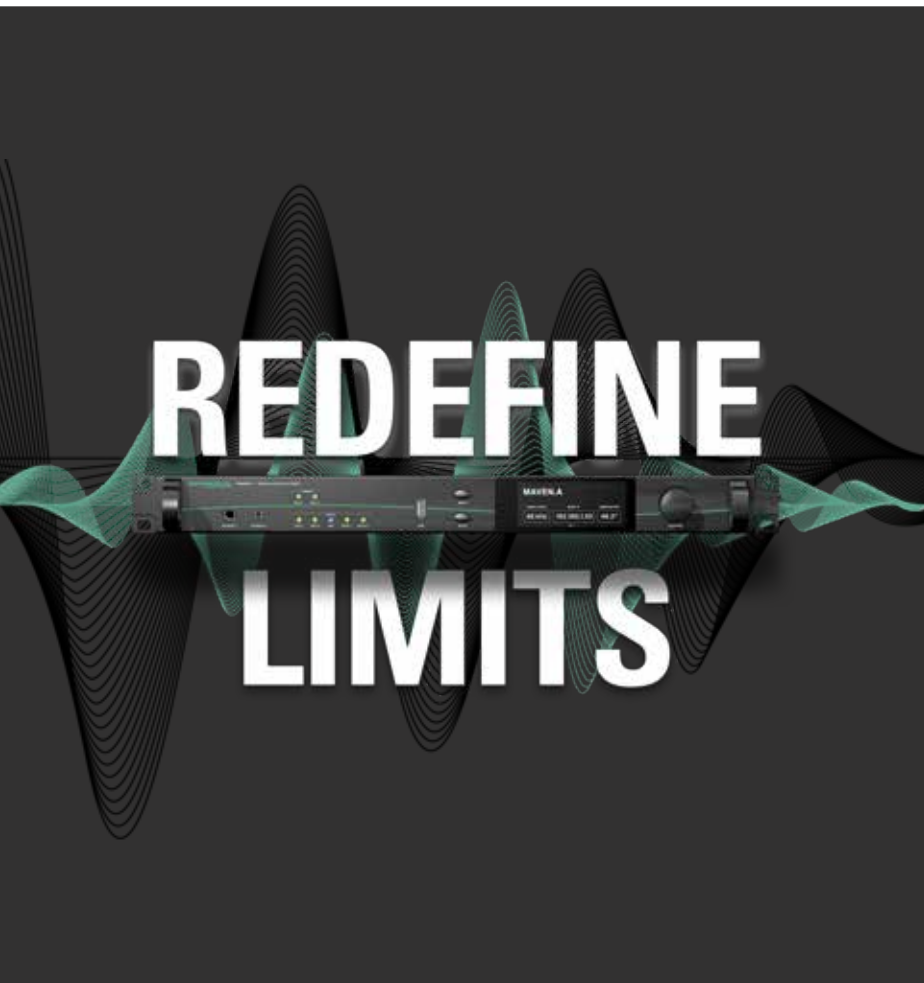


MAVEN

MAVEN.A is an uncompromising smart audio platform - the strategic centerpiece for any evolving audio infrastructure. This audio solution offers unmatched flexibility and power, designed to evolve with the developing needs across a wide range of applications - from installation and live events to broadcast and studio environments.



Powered by DirectOut's Audio Solution Model (ASM), MAVEN.A offers a versatile solution that covers both entry-level and flagship systems. Its modular design, both in software and hardware, ensures seamless integration and future-proof scalability. With compatibility across the successful PRODIGY Series, MAVEN.A stands out with its versatility, with access to over two dozen audio modules and granular DSP capabilities.

In just a single rack unit, MAVEN.A delivers exceptional performance with 2 fixed MADI SFP ports, 1 audio network/MADI/USB interface option, and up to 2 analog Mic/Line-Level or AES3 converter modules. Whether for sophisticated audio conversion, processing, routing, or switching, MAVEN.A is the all-in-one solution that adapts to the demands of today while being ready for the challenges of tomorrow.

MAVEN - Small Footprint, Big Possibilities

✓ **Extended Functionality:**

Access to numerous DSP plugins, software tools, and remote protocols.

✓ **Modular Chameleon:**

Fully compatible with the PRODIGY smart audio platform and countless I/O modules.

✓ **Network Ninja:**

Supports and converts most popular audio network formats and protocols (Dante, RAVENNA, AVB/MILAN, etc.).

✓ **Flexible & Adaptable:**

Sample-rate conversion and sync management for uninterrupted, glitch-free operation.

✓ **Marvel of Tenacity:** rock-solid reliability, integrated self-healing technologies and a redundancy ensuring enhanced stability and performance

Application Scenarios

- System Drive Rack Processor
- Live Matrix / Router
- Audio Converter
- Disaster Recovery Mixing-Engine
- DSP Core for Hardware Controller
- Sample Rate Converter
- Playback Switching Interface
- Summing Interface
- Automixer
- Audio Streaming Interface
- Remote Production Interface
- Signal / System Automation Engine
- Redundancy / Resilience Backbone



- Headphones Output 6.3 mm & 3.5 mm
- Touchscreen Display
- Encoder
- Push -Buttons

Control

- Dedicated network port for management
- Control via globcon, web server and touch display
- Remote control protocols: JSON API, Ember+*, OSC*, SNMP*
- LTC Reader
- GPI and GPO

Operation

- Dual Power Supply
- Clock Redundancy Strategy

MAVEN SPECS

Signal Path

- Channel-based routing
- MirrorMode for platform redundancy
- granular DSP Core (details below)
- Input Managers*
redundancy management of all physical inputs
- EARSTM*
Enhanced Automatic Redundancy Switching
- FastSRCTM*
low latency sample rate conversion for seamless operation

Additional fixed Interfaces

- Word Clock I/O
- Video Sync
- USB port for control of legacy hardware

AUDIO I/O MODULES

- Analog Mic / Line Input / Line Output
- Digital AES3 with SRC optionally available
- MADI AES10 via Multiport Module (128 or 256ch) **
- Network RAVENNA compliant with AES67 (128ch)**
- Network Dante compliant with AES67 (64ch)**
- Network SoundGrid (128ch)**
- Network MILAN / AVB (128ch)**
- USB.IO powered by RME (128ch)



- Slots: 2 x Converter, 2 x native MADI SFP, 1 x Audio Network
- Up to 400 inputs / 404 outputs in total

MAVEN LICENSES

SYSTEM LICENSES

MAVEN mainframes can be activated as either *Essential* or *Unlimited*. Essential mainframes are expandable by License bundles at any time.

Essential Licenses

Includes signal conversion, channel-based routing, LTC reader, clock redundancy, and sync management. DSP functionalities and tools can be added via individual licenses or bundles (e.g. FastSRCTM, EARSTM, Control Protocols, etc.).

Unlimited Licenses

Unlimited adds all existing and future licenses to *Essential*, such as DSP functionalities, Tools, Control Protocols, etc..

INDIVIDUAL LICENSES

(ONLY FOR SYSTEM LICENSES, ESSENTIAL LICENSES)

Licenses - DSP

DSP Pack: 1/8 of the DSP resources available in the current DSP configuration of MAVEN.A***

CURRENT DSP CONFIGURATIONS

32 Input Managers	64 Delays
64 Flex Channels	64 Dynamics
64 IIR EQ	64x64 MatMix
16 FIR EQ	64 Summing Busses

LICENSES - TOOLS

- FastSRCTM: Asynchronous low latency SRC for MADI SFP ports and / or Audio Network slot
- EARSTM: for seamless audio signal switching on all digital audio ports
- Loudness Metering: 8 routable channels loudness metering
- Automix: up to 16 AutoMix groups, requires at least one DSP Pack
- Automator: Native script engine to trigger custom commands and events
- OSC: Native support for Open Sound Control (OSC) protocol
- Ember+: Native support for Ember+ protocol with level meters
- SNMP: Native Simple Network Management Protocol (SNMP)
- Lawo HOME: Native support for Lawo HOME Ecosystem

LICENSE BUNDLES

(AVAILABLE FOR ESSENTIAL SYSTEM LICENSE ONLY)

- Add-On A: Automator, Automix, OSC
- Add-On B: Automator, Automix, Ember+, SNMP
- DSP Bundle: All DSP resources in current configuration
- Tools Bundle: All current tools
- Full Bundle: All DSP resources and tools currently available (excludes future tools and remote protocols)

* optionally available

** HD SRC optionally available

*** Each MAVEN.A ‚DSP Pack‘ enables 4 Input Managers, 8 Flex Channels, 8 IIR EQ, 4 FIR EQ (until all 16 available FIR EQ are unlocked), 8 Delays, 8 Dynamics, 8 Master Outputs of the 64x64 MatMix, 8 Summing Busses

No liability for misprints and technical changes assumed

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