

# NEWS RELEASE

## Prisma Megamix:

Multi format DSP sound card for your classic Amiga

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In its prime, the sound quality delivered by the Amiga's on-board Paula chip was pretty special. Its 4 channel stereo 8-bit audio output with frequencies up to 28 kHz when using 15 kHz screen modes, or up to 56 kHz with higher horizontal frequency screen modes was so far in advance of the IBM PC's monotone beep, which was virtually mute by comparison. The Amiga's audio was further augmented by a whole host of digital sound cards and samplers supplied by numerous hardware manufacturers. Sadly those days are long gone. However, that is all about to change. A-EON Technology is proud to announce Prisma Megamix, a modern next-generation soundcard for Classic Amiga computers. The Prisma Megamix is a dual-use card which can be connected to either the Zorro II or a Clockport and incorporates a VS1063 DSP chip which can play and encode MP2, MP3, WMA, OGG, LC-AAC, HE-AAC, FLAC, IMA, WAV PCM and many other sound formats making it ideal for hi-fi audio playback and streaming applications. It achieves this with very little CPU overhead enabling

full 200Kbps stereo playback on a standard 68K Zorro II Amiga while still allowing good multitasking. With Prisma Megamix, an Amiga 2000, 3000, 4000 or A1200 can mix MP3 streams and encode/decode them in real time without burdening the CPU. The MP3 sound processor is fully handled by CPLD and is transparent to the software. Audio data transfers are streamed at 16-bit (Zorro II) or 8-bit (Clockport), and bit banging is not required for SPI accesses to the MP3 sound processor. Mixing inputs for Paula, genuine sound and line in are provided, as well as earphone outputs and line outs. In Zorro II equipped Amigas, the Prisma's Clockport can be used for add-ons and multiple cards can also be installed allowing audio enthusiasts

to mix their tracks at full quality. Special drivers are being written for AmigaOS 3.x and 4.x systems and a Xorro PCI-E version is also planned for A-EON Technology's Next-Generation AmigaONE systems.

*Credits:*

*Hardware design: Michael Boehmer*

*Software drivers: Ian Gledhill*

*Concept & GUI coding: Matthew Leaman*



*Prisma Megamix prototype*



*Prisma Megamix installed in A4000*

## Give your Amiga its voice!

*Note: Prisma Megamix can be operated from the CLI or its own GUI and will run on any Classic 68K Zorro II equipped Amiga. Clockport support is being added. AmigaOS 3.0 or above is recommended, although AmigaOS 2.0 is also supported.*

