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DAC501 / DAC502 philosophy



With the DAC50x unit we introduce a new paradigm for D/A converters. The trend for high-end HiFi systems goes toward simpler setups. As simple as e.g. a D/A Converter plus a pair of active speakers.

Audio is streamed from a NAS and/or Internet to the D/A Converter and then conveyed to the speaker. A very short and simple signal path.

In addition the audiophile community starts to recognize that a transparent audio chain is not what we would like to have (yes, really!). We would like to have good sound on any speaker in any room.

A bold requirement which often calls for signal processing like room equalization, tone control, loudness control etc. Thus it makes sense to have various signal processing tasks done in the D/A Converter. This is where the DAC50x comes in handy. The DSP chip in the DAC50x takes care of tasks like:

- volume control
- room equalization
- creative equalization (tone control)
- vinyl sound emulation
- crosstalk cancellation for a live-like playback
- de-essing (remove sharp sibilances)
- constant volume keeping
- loudness control

Plus more in the pipeline, downloadable to the DAC50x unit. This makes the DAC50x the ideal unit for current and future audio setups.

<http://www.weiss.ch/products/dac501-dac502>