



Realistic sound is the most beautiful.

RMP-  
DAC1EX



DAC1 naturally brings out the musicality  
of live sound without alteration and spoiling.

## The sound concept of the RMP-DAC1EX

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"Realistic audio is the most beautiful".

This is why we strive for the most musicality in our audio equipment.

One of the most important factors for achieving realistic audio reproduction is "realistic tonality" of musical instruments. The violin must sound like a violin, and the oboe must sound like an oboe in order to faithfully convey the musical expression contained in the "performance."

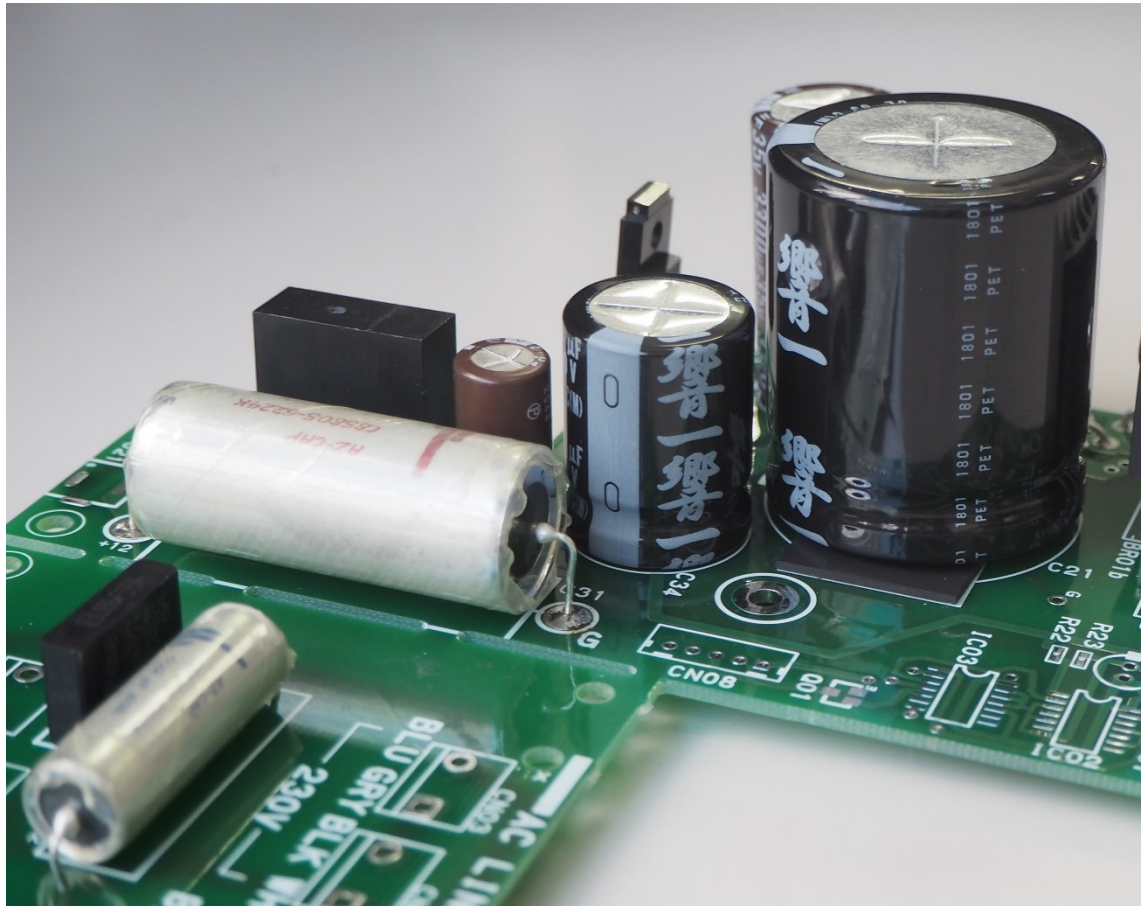


This is why the design concept of reproducing the original recorded source information without alteration and spoiling is important.

Because the tonality of live musical instruments consists of minute harmonics that are intertwined in multiple layers, its reproduction is directly linked to musicality.

The DAC1 brings out the musicality of the performer by valuing the original timbre and expression of various musical instruments, especially the natural reproduction of minute signals.

## Capacitor Blending for the RMP-DAC1EX



HBIKIICHI is a capacitor developed in collaboration with Nichicon to bring out a natural sound and is also used in our amplifiers (pictured above on the far right).

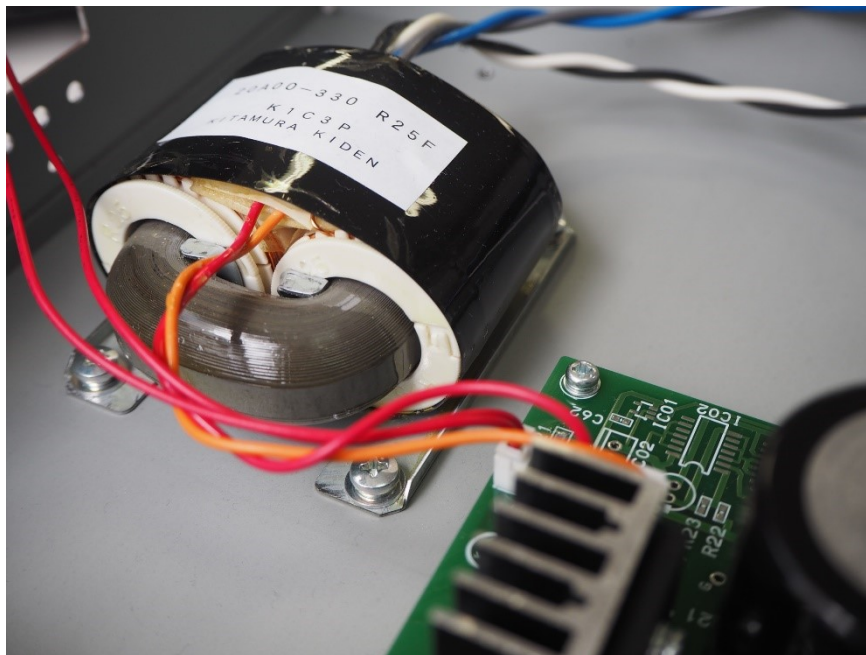
In addition to this HBIKIICHI, the DAC1 features the smaller "HBIKIICHI-56" which has been designed specifically for the DAC1. Furthermore, from the SPEC sound quality capacitor lineup, we have selected and blended capacitors to achieve more realistic sound reproduction than ever before.



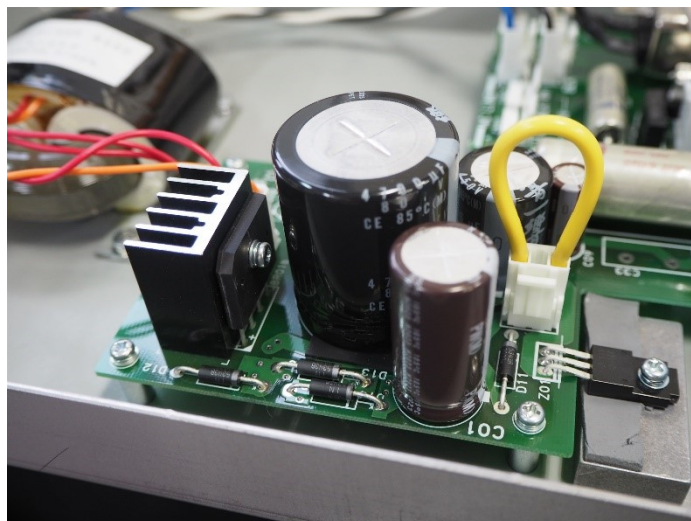
is a Japanese kanji that means resonance.

## R-core transformer for energetic expression

A dedicated R-core transformer supplies the drive current of the output stage by a margin.



R core transformer

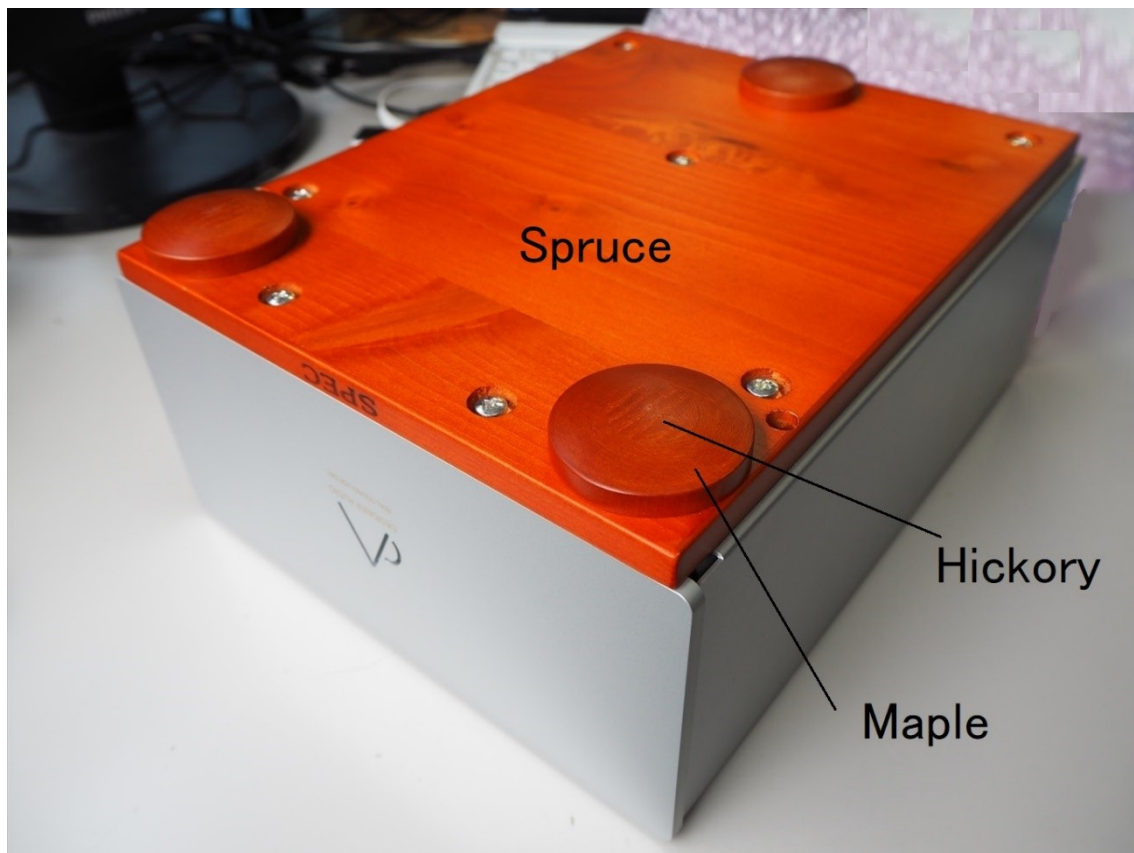


Diode Bridge Rectifier Circuit

## The DAC as a Musical Instrument

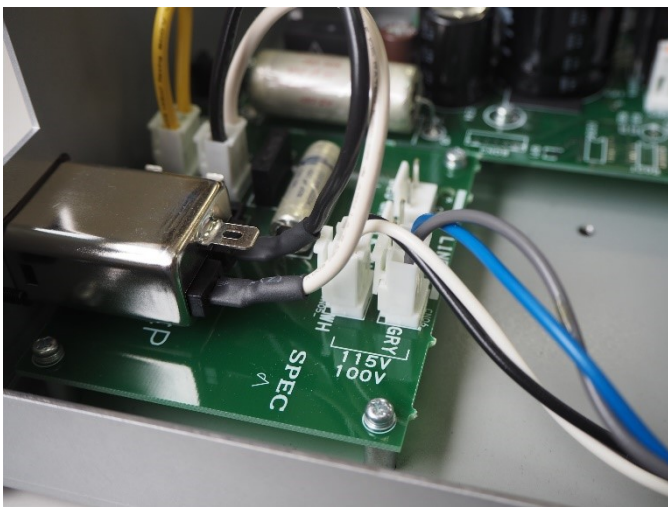


A DAC is a device that reconverts the digital signal into the analog signal, In order to reconvert minute signals into fresh analog, the DAC1 has a separated power supply. The wooden panel attached to the bottom is made of the same spruce material as the top plate of a violin. Spruce is a relatively soft material that vibrates with music signals to reproduce a rich tone and energy.



In addition, hickory is embedded in the center of the maple leg to support the DAC1. All this makes the design of the DAC1 similar to musical instruments

## Photos



## Specifications

Input terminals (one system per terminal)	
AES/EBU	MAX PCM 24Bit/192kHz
COAXIAL	MAX PCM 24Bit/192kHz
OPTICAL	MAX PCM 24BIT/192kHz
USB B	MAX PCM 32Bit 384kHz, DSD Native 256, DoP 128 (Computer or smartphone as input source with an OTG cable)
USB A	MAX PCM 32Bit 384kHz, DSD Native 256, DoP 128 (Computer or smartphone as input source with an OTG cable)
Output terminals	
Balanced XLR (Fix out)	MAX 3.0 Vrms
Unbalanced RCA (VAR / Fix out)	2.5 Vrms
Others	
External dimensions	Main body: 215mm (W) × 80mm (H) × 299mm (D) (terminals included) Power supply: 215mm (W) × 120mm (H) × 273mm (D)
Power supply voltage	AC110V/120V 220V 230V 240V
Power consumption	30W
Mass	Main body 3.0kg, power supply 4.0kg

Equipped with "VELVET SOUND AK4497EQ DAC". Manufactured by Asahi Kasei Electronics.

Maximum sampling rate /PCM 32Bit 384kHz.



By combining the RMP-DAC1EX with the Diretta RMP-UB1, we can get closer to a more realistic sound.



NAS(Fidata)



Diretta RMP-UB1



RMP-DAC1EX

A digital signal is converted to analog by the DAC device. In this conversion, the noise of the digital signal has an effect on the analog signal. It's small, but it's not zero. The RMP-UB1 can minimize the influence of noise in this conversion. It's not a noise filter, but by making digital transmission smooth and uninterrupted, the noise level is lowered.

This noise is a dynamic SN that appears when the sound is actually playing, unlike the static SN described in the specifications of audio equipment. This dynamic SN spoils the minute signals in the music, burying the delicate timbre of the instrument.

The Diretta RMP-UB1 greatly lowers the noise floor, so you can feel the natural timbre that was previously lost in the signal conversion.

That is the realistic sound reproduction we strive for.

<https://spec-corp.jp/audio/RMP-UB1/index.html>



