



D/A Converter

DA5

USB Sound System

The DA5 sits at the center of the audio listening stage weather you enjoy music via CD Transport, reproduce high resolution music source at its highest level of DSD256 through PCs, try to adjust the sound volume by the digital volume control, or to just listen with your headphones.



DA5 provides music inspiration and impression by the ability to reproduce the highest resolution digital music source at the same level as obtained by CD.

Digital signals supplied by the CD transport are fully converted to analogue without any distortion. As a high quality D/A converter, the DA5 works as the high precision USB-DAC compatible with PCM384kHz and DSD256/11.2MHz.

A highly capable OP amplifier confirms easy listening through headphones even at high level and digital-control volume adjustment enables to place DA5 as the center of your audio system.



Silver version: USB input DSD11.2MHz and digital filter set for FLAT



Black version: AES/EBU PCM192kHz input and digital filter set for PULSE



a ringing-free pulse-optimized filter with a softer roll-off below 20kHz.

■ ANALOG OUTPUTS

Both conventional type RCA and balanced type XLR connections are available. We recommend the balanced connection to make DA5 balanced circuit superiority perform at its fullest. Incorporating its high performance headphones amplifier circuit the DA5 can be used even as a high performance headphone amplifier.

■ DIGITAL VOLUME

Digital volume control can adjust the analog output level at the digital domain. Adjustments from -99dB up to 0dB without deteriorating sound quality are possible.

You may even connect directly to a power amplifier and/or active loudspeakers, and adjustments are done via remote control. Once output level has been set it is memorized even after power is off.

■ DISPLAY

LED monitor indicates the input status, input sampling frequency and filter condition. You may select the light condition out of three steps of brightness according to your listening condition.

■ DIGITAL INPUTS

SPDIF inputs: Balanced type AES/EBU, Coaxial and Toslink are compatible with 24bit/192kHz.

USB inputs: PCM32bit/384kHz and Native reproduction of DSD256/11.2MHz are available.

Note: Windows PCs require a specialized USB driver to connect with DA5 and play PCM music files. Installing ASIO and DSD drivers to foobar2000 DSD files can be reproduced as well. Those drivers are appeared at the CEC download site. No special USB driver is required for Mac PCs. Compatible PC-music player should be prepared yourself regardless of PC.

■ ESS Technology DAC CHIP

The conversion from digital to analogue signal is performed by the ESS Hyper stream DAC chip ES9018K2M compatible with 32bit. Exceptional channel separation and wide dynamic range result in reproducing music with unbelievable breath and depth of sound stage.

DA5 offers two different digital filters. "FLAT", a standard filter with super linear frequency response to 20kHz, and "PULSE",

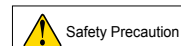
■ SPECIFICATIONS

Digital inputs/ Sampling frequency	USB 2.0 x 1: PCM up to 32bit/384kHz, DSD up to 11.2896MHz COAXIAL x 1: PCM up to 24bit/192kHz TOSLINK x 1: PCM up to 24bit/192kHz AES/EBU x 1: PCM up to 24bit/192kHz (2pin: hot)
DAC Chip	ESS ES9018K2M x 1
Digital filter	Switchable between FLAT and PULSE (FLAT only at DSD input)
Analog output (digital variable)	Balanced XLR (2pin: hot) x 1: 4Vrms (-99dB to 0dB) Unbalanced RCA x 1: 2Vrms (-99dB to 0dB)
Headphones output	6.3mm x 1 (to be adjusted by both of digital and analog volume controls)
Frequency response	20Hz to 20kHz±0.1dB (at CD reproduction with FLAT filter)

S/N ratio	105dB, 1kHz/0dB
Crosstalk	105dB, 1kHz/0dB
THD	0.014%, 1kHz/0dB
Power supply	AC120V or 230V, 50 or 60Hz (specified on rear panel)
Power consumption	10W
Dimensions	approx. 435(W) x 335(D) x 104(H)mm (incl. legs, terminals, and knobs)
Weight	approx. 7.6kg
Accessories	AC power cord, Remote control unit and Owner's manual
Color	Silver and Black
Origin	Japan

>Design and specifications are subject to change without notice.

1606-A



Be sure to operate this product properly once you have thoroughly read the owner's manual.