

# 6000 Series



The Audiolab 6000A is an integrated amplifier featuring separate pre-amplifier and power-amplifier stages, plus a high quality DAC.



Twin Transformer



127dB S/N Ratio



Jitter Reduction



Phono Stage



CMOS Switching



Digital Inputs



60W per Channel



High-Res DAC

# audiolab

# 6000 Series

Audiolab engineers have chosen a high linearity Class AB output stage for the 6000A that drives 60W of clean power into any load. It includes the latest, high-end in DACs - the AK4490EQ. This revolutionary DAC operates at 32-bit level using 8x digital filters and offering up to x256 oversampling. In addition, 6000A includes 4 analogue inputs and a dedicated phono stage with accurate RIAA equalisation for MM cartridges.

The twin stage pre and power amplifier is accentuated by the use of separate power supplies for each stage. The preamplifier is driven by its own dedicated transformer and rectification circuit to ensure a clean power supply to all critical circuitry. This remains unsullied by any power supply fluctuation or interference from the power amplifier which, likewise, has its own dedicated transformer and rectification power source.

The Audiolab 6000CD is a dedicated CD transport using the slot loading mechanism made famous by the Audiolab 8300CD. The digital clock is controlled by a temperature compensated crystal oscillator that makes sure the digital output from both coax and optical sockets has minimum jitter.

Audiolab's 6000 Series is a perfect match for any mixture of analogue and digital sources and will deliver its musical signal reliably to the chosen loudspeakers.



## Specifications

### 6000CD

Digital Output Intensity	550±50mVpp
Frequency response	≤0.5dB @ 20-20kHz
Output Impedance	75±1 ohm
Max Sampling Rate	96 KHz
Harmonic Distortion	<0.005%
Max. Power Consumption	20W
Standby Power Consumption	<0.5W
Power Requirements	240V ~ 50 - 60Hz 230V ~ 50 - 60Hz 115V ~ 50 - 60Hz 100V ~ 50 - 60Hz
Dimensions (mm)	(W x H x D) 445 x 300 x 65.5 - including feet, terminals and controls
Carton Size (mm)	(W x H x D) 512 x 467x 146
Weight	7.2kg (Net)

### 6000A

Gain	0dB (Volume=0dB, Line) +57dB (Phone MM, Volume=0dB)
Input Sensitivity	865mV (Line, Volume = 0dB) 3.3mV (Phone MM, Volume=0dB)
Input Impedance	3.8K (Line) 47K (Phono M)
Output Voltage	3.0V max. (Volume = 0dB)
Output Impedance	5R5
Signal-to-Noise Ratio (S/N)	> 107dB (Line) >73dB (Phono MM)
Gain	+37dB (@ 1KHz AUX IN MAX)
Rated Max. Power Output	2 X 60W (8 ohm, THD<1%) 2 X 70W (4 ohm, THD<1%)
Input Impedance	3.8K(Line)
Frequency Response	+/- 0.2dB (10Hz ~ 20kHz)
Input Sensitivity	320mV (Volume at MAX)
Total Harmonic Distortion (THD)	<0.03% (40W / 8ohm @ 1kHz)
Crosstalk	<80dB (@ 10kHz)
Max. Power Consumption	400W
Standby Power Consumption	<0.5W
Power Requirements	240V ~ 50 - 60Hz 230V ~ 50 - 60Hz 115V ~ 50 - 60Hz 100V ~ 50 - 60Hz
Dimensions (mm)	(W x H x D) 445x 317.6 x 100.8 - including feet, terminals and controls
Carton Size (mm)	(W x H x D)512 x 467 x176
Weight	12kg (Net)