

7000A *Integrated Amplifier*



Brand-wide visual aesthetic match

The new **audiolab 7000** series follows in the footsteps of the award-winning 8000 and 8200 series but also bridges the gap between the phenomenally successful 6000 series and the new high-end 9000 series.

Nestled between the 6000 and 9000, the **7000** fuses premium traits into a pricing category that follows the mantra of class-leading performance.

Outwardly resembling the sequential series and therefore offering a brand-wide visual aesthetic match, the **audiolab 7000A** improves on the 6000A with a genuine 70W per channel output, a new DAC, a new full-colour IPS LCD screen and more! More compact than the 9000 series, it maintains crisp ergonomics, high-quality engineering, a useful range of facilities and an excellent all-around acoustic performance and connectivity.

Class AB power amp

audiolab pulls no punches with the genuine nature of our power rating. The **7000A's** discrete Class AB power amp stage delivers 70W per channel into eight ohms, with a maximum current delivery of 9A amps into difficult loads. A new standard in **audiolab** amplifiers, the output stage of the discrete power amp circuits uses a CFB (Complementary Feedback) topology, ensuring superior linearity and excellent thermal stability, as the idle current is kept independent of the temperature of the output transistors. Critically specified by Jan Ertner (lead engineer for the **audiolab** brand); the newly developed power supply features a substantial 250VA toroidal transformer, followed by 4x15000uF reservoir capacity (60000uF in total), helps the amp to maintain firm control of the music whilst enabling excellent dynamic range.



Audio Return Channel (ARC) connection

Whatever the input source – analogue, digital, wireless or TV – the **7000A** has been crafted to the same level of detail one has come to expect from **audiolab**, all with the latest tech to be fully equipped to cover many bases, yet it maintains a price point that keeps the **audiolab** brand at the forefront of quality home audio. Dual analogue inputs cater for CD players and line-level sources, dual Coax and SPDIF inputs expand this for the digital sources while a Bluetooth aptX receiver serves up a solution for wireless audio playback and smart devices. Following the growing trend for direct living room integration of premium audio electronics and there for more in tune as the centrepiece of your home audio system, the **7000A** takes connectivity to a new dimension with a built-in Audio Return Channel (ARC) connection for use with screens – thus bringing the **audiolab** dynamic to TV-app based music playback and home theatre. And let's not forget the direct-to-PC connection via USB.

Full decoding of MQA

As is standard with **audiolab** integrated amplifiers, the **7000A** reaffirms the natural integration and synergy with an ESS ES9038Q2M chip. Improving on the 6000A with this latest iteration and taking learnings from the 9000A, the **7000A** utilises ESS Technology's 32-bit HyperStream architecture and Time Domain Jitter Eliminator. As with the 9000A, the **7000A** uses a post-DAC filter based upon Class A topology and proprietary DC-coupled high-gain electronic amp designs to deliver ultra-low noise and high dynamic range for the digital audio connoisseur.

What's more, the **7000A** also delivers full decoding of MQA, the hi-res streaming technology from a custom-engineered MQA-certified DAC solution. This means that the complete 'three unfold' decoding process is performed internally, as opposed to just the final unfold in the manner of an MQA 'renderer', which makes the **7000A** an excellent system choice for subscribers to Tidal's 'HiFi Plus' tier where Tidal Masters (MQA) content can be found.

7000 Series

Integrated
Amplifier

7000A

The 6000A is applauded for its ability to offer an integrated phono pre-amp solution. The **7000A** builds on this with a further improved phono stage for moving magnet phono cartridges – using an improved version of the high-quality, low-noise, JFET-based circuit and precise RIAA equalisation that sets the benchmark in ‘built-in’ phono preamplifier solutions. Same with the dedicated headphone output. Enhancing the versatility claims of the **7000** series, the dedicated headphone amp with current-feedback circuitry caters for the head-fi that lurks in the audiophile! Its gain bandwidth and high slew rate ensure a dynamic, detailed and engaging performance with all manner of headphone types – more boxes ticked for this most integrated of integrated amplifiers.

As the engineers in the **audiolab** camp have learned with every model and series; greatness can be improved upon. Taking the 6000A as the standard, **audiolab** know that the regular audio enthusiast’s thirst for specification and features would mean that the eagerly anticipated linear upgrade from the 6000A would instinctively also offer an improved display and general user interface (GUI); hence the vibrant and visually informative 2.8" (480 x 640px) IPS display. The detailed but simple-to-use GUI also carries through a general theme of information and structure from the 9000A, just in a more compact style. The GUI includes settings for the digital phase lock loop of the D/C converter (DPLL), brightness, and operational modes. It can even be set to display a VU meter in ‘analogue’ or ‘digital’ form; showing real-time decibel levels for the left and right channels – a satisfying graphical representation of the music as it plays.

As with all **audiolab** electronic hi-fi components, the **audiolab 7000A** yet again delivers with remarkable sonic consistency, a plethora of source and connectivity options and crisp styling. Regardless of the source material and format, the **7000A** is lively and engaging but also never loses focus on the musicality and detail. Broadness, depth and toe-tapping rhythm are assured.

The benchmark in this price class is elevated – it’s now in the **7000** series domain!



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7000 Series

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7000A

Key Features

- **Benchmark - Lifted**

The 6000A set the benchmark for the entry-level to **audiolab**'s award-winning portfolio. The 9000A set the standards at the higher-end of the range. The **7000A** takes all of that pedigree and flexibility to a new price class, shaking up the expectations that a class-leading integrated amplifier should offer!

- **7 Perfect 10s**

Using a new critically specified and custom-designed toroidal transformer, the **7000A** steps up on the power output front. And that's a genuine, totally verifiable 70W per channel. No inflation here!

- **Classes of A and B**

Differing from the growing numbers of Class D options offered by rival brands, the **7000A** maintains audiophile pedigree with a Class AB design. Offering high-efficiency amplification, the output stage of the discrete power amp circuits uses a CFB (Complementary Feedback) topology, ensuring superior linearity and excellent thermal stability, as the idle current is kept independent of the temperature of the output transistors.

- **Name Your Source**

Multiple digital and analogue inputs will accommodate the most varied of hi-fi configurations. Bluetooth connectivity, which includes support for the sonically superior aptX codec, allows easy wireless streaming from smartphones, tablets, laptops and more. Bluetooth-paired devices also benefit from the quality of the amp's DAC section and three digital filter options.



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Key Features

- **Tables Are Turning**

A built-in phono pre-amp with precise RIAA equalisation offers exceptional performance for turntable users.

- **HD, Am I?**

The **7000A** offers an Audio Return Channel (ARC) for direct integration with screens and integration into AV systems.

- **Multiple Modus Operandi**

Not just an integrated amplifier, the **7000A** also offers three distinct operational modes, reflecting the amp's discrete internal architecture and enabling it to adapt to its user's evolving requirements.

- **DACs Like You Know!**

The **7000A** DAC is built around the ESS ES9038Q2M flagship 32-bit DAC chip, using the critically acclaimed patented HyperStream® II architecture and Time Domain Jitter Eliminator for the highest level of DAC performance.

- **Full Decode**

The **7000A** is a full MQA decoder. This means that the complete 'three unfold' decoding process is performed internally, as opposed to just the final unfold in the manner of an MQA 'renderer'.

- **Putting it on Display**

Improving on the class-leading and multi-award winning 6000A, the **7000A** offers a 9000A-inspired full-colour display and GUI.

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7000 Series

Integrated Amplifier



Available in **BLACK** and **SILVER** finishes

SPECIFICATIONS

Model	7000A
General Description	Integrated Amplifier
Design Philosophy and Core Technology	2 x 70W (8 ohms) / 2 x 110W (4 ohms) Class AB
	ES9038Q2M 32-bit DAC
	2.8" (480 x 640px) Full View IPS LCD
	Built in Certified Hardware MQA Full Decoder (PC USB, Coax / Optical)
	Bluetooth 5.1 (aptX / aptX HD) Support
	Low Noise Moving Magnet Phono Stage
	Dedicated Current-Feedback Headphone amp
Inputs	Integrated / PRE-POWER / PRE only Modes
	VU Digital / VU Analogue Meter
	USB Upgrade Support
Outputs	1 x PRE Amplifier, 1 x Stereo Speaker, 1 x Headphone, 1 x 12V Trigger
Sampling Frequency	Optical / Coaxial: 44.1kHz - 192kHz; PC USB: 44.1kHz-768kHz (PCM) / DSD64, DSD128, DSD256, DSD512
Preamplifier Section	
Gain	+6dB (Line), +54dB (Phono MM)
Input Sensitivity	870mV (Line, Volume = 0dB); 4.4mV (Phono MM, Volume = 0dB)
Input Impedance	10K (Line); 47K // 100pF (Phono MM)
Total Harmonic Distortion (THD)	< 0.0005% (1kHz @ 2V, Volume = 0dB)
Frequency Response	20Hz-20kHz (+/-0.1dB)
Output Voltage	2.3V max. (Volume = 0dB)
Output Impedance	100 ohms
Signal-to-Noise Ratio	> 110dB (Line, A-weighted); > 76dB (Phono MM, A-weighted)
DAC	
D to A Converter	ES9038Q2M
Total Harmonic Distortion (THD)	< 0.001% (1KHz @ 0dBFS)
Output Level (0dBFS, 1kHz)	2.1Vrms
Max. Sampling Frequency	Optical, Coaxial: 192kHz; PC USB: PCM768kHz, DSD512
Signal-to-Noise Ratio (S/N)	> 114dB (A-weighted)

Model	7000A
Power Amplifier Section	
Gain	+29dB
Rated Power Output	2 x 70W (8 ohms, THD<1%); 2 x 110W (4 ohms, THD<1%)
Frequency Response	20Hz-20kHz (+/-0.3dB)
Total Harmonic Distortion (THD)	<0.003% (1kHz @ 40W / 8 ohms)
Input Sensitivity	870mV
Signal-to-Noise Ratio (S/N)	> 110dB (A-weighted)
Max. Output Current	9A
Headphone Amplifier	
Total Harmonic Distortion (THD)	< 0.01% (1kHz, 50mW)
Output Impedance	10 ohms
Load Impedance	20-600 ohms
General	
Standby Power Consumption	< 0.5W
Net Weight	8.4kg
Gross Weight	10.7kg
Dimensions (mm) (W x H x D)	444 x 78 x 340
Carton Size (mm) (W x H x D)	500 x 140 x 455
Finish	Black / Silver
Power Requirements (depending on region)	220-240V ~ 50/ 60Hz; 100-120V ~ 50/ 60Hz
Standard Accessories	Power Cord, Remote Control, User Manual, Antennas, etc.

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