

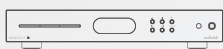


audiolab

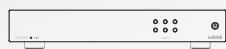
6000 A



6000 CDT



6000 N Play



8300 A



8300 CDQ



8300 XP



8300 MB



M-ONE Series

M-DAC Series

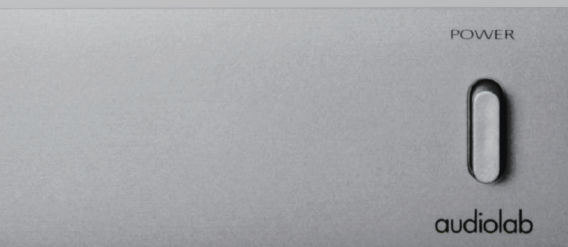
M-EAR

# audiolab

In brief...	
Founded in	1983
Founders	Philip Swift & Derek Scotland
Country of Origin	England
Brand Portfolio	Hi-Fi, Home Cinema Electronics and Loudspeakers
Price Range	Electronics - GBP400 to GBP1500
Philosophy	Aspire to be the epitome of high performance sound quality with attractive design. We are committed to simplifying functionality for the modern day music lover yet retaining purity of sound for the discerning audiophile.
Product Range	6000 Series, 8300 Series, M-ONE Series, M-DAC Series, M-EAR







“It’s pretty hard to impress What Hi-Fi?’ s reviewing team...The decision to use **audiolab** amplifiers in our listening room was only taken after listening to a huge variety of rival products.”

*What Hi-Fi? April 1995*

# Brand Mission

***audiolab** aspires to be the epitome of high performance sound quality with attractive design.*

*Committed to simplifying functionality for the modern day music lover yet retaining purity of sound for the discerning audiophile.*



HOME AUDIO FOR THE CONNOISSEUR



# The Experts

## Jan Ertner, *Lead engineer audiolab electronics*

---

2015 sees the launch of **audiolab**'s brand new **8300** Series. With a long working relationship with **audiolab**, world renowned audio designer Jan Ertner has headed up the design of the **6000** series.

*"I have designed audio products for more than 25 years and still get excited about bringing new products to market. The joy of listening to music drives me and knowing that our customers will be able to enjoy it at its best is very satisfying. I believe in every product I design because I don't stop working until I feel myself saying "I want one", that is the moment when I know it's right."*



## Peter Comeau, *Head of IAG acoustic design*

---

**audiolab** Hi-Fi products are supervised by IAG acoustic director Peter Comeau. His experience within the Hi-Fi industry spans over 40 years, and is an invaluable asset to **audiolab** in achieving the purest sound, fantastic value for money and a thrilling user experience.

# Awards

audiolab is proudly recognised by the hi-fi press world-wide for outstanding sound quality and usability.

2008	Home Cinema Choice Awards 2008 - Best Buy Award	8000AP & 8000X7	2012	Hi Fi World - 4-Globes Award	8200A
	Hi Fi & Records - Editor's Choice Award	8000M		Hi Fi News-Group Test	8200T
2009	Hi Fi Plus - POY 2009 Highly Commended Award	8000PPA	Hi Fi Choice -5 stars Award	8200CDQ	
	Hi Fi World - 5-Globes Award	8000S	BBS Music Magazine - 5 Stars and product of year	8200CD	
2010	WHF? Sound and Vision - 5-Stars Award	8200CD	Hi Fi Choice -5 stars Award	M-DAC	
	WHF? Sound and Vision - Product of the Year (CD Player)	8200CD	Hi Fi Choice -Editor's Choice	M-DAC	
	WHF? Sound and Vision - Group Test Winner	8200CD	Home Cinema Choice Best Buy	8200AP	
	Hi Fi Choice - Recommended Award and 5 stars	8200CD	WHF? Sound and Vision - Best Digital Headphone Amp	M-DAC	
2010	TechRadar	8200CD	WHF? Sound and Vision - Top 5 New Launches	8200P	
	Hi Fi Choice Awards 2011-Product of the Year	8200A	WHF? Sound and Vision - 5-Stars Award	8200CD	
	Hi Fi Choice - Recommended Award	8200A	Hi Fi World - 4-Globes Award	8200AP	
	Hi Fi Choice -5 stars Award	8200A	Hi Fi News-OUTSTANDING PRODUCT	M-DAC	
	Hi Fi Choice Awards 2011 -Best Amplifier	8200A	Best DAC, Hi-Fi Choice Awards 2012	M-DAC	
	Hi Fi Choice Awards 2011 -Best CD Player	8200CD	Product of the Year, Hi-Fi Choice Awards 2012	M-DAC	
	WHF? Sound and Vision - 5-Stars Award(first tests)	8200CD	2013	Hi-Fi Choice Group test winner	M-DAC
	Hi Fi Choice - Recommended Award	8200CD		Hi-Fi Choice Group test winner	8200CD
	Hi Fi Choice -5 stars Award	8200CD		Hi Fi Choice -5 stars Award	Q-DAC & M-PWR
	WHF? Sound and Vision - Product of the Year (CD Player)	8200CD	Hi Fi Choice - Recommended Award	Q-DAC & M-PWR	
	WHF? Sound and Vision - 5-Stars Award(first tests)	8200CDQ	Hi Fi World - 5-Globes Award	M-DAC	
	Hi Fi World - 5-Globes Award	8200CDQ	Hi Fi Choice - Recommended Award	8200T	
	Hi Fi Choice - Recommended Award	8200CDQ	Hi Fi Choice -5 stars Award	8200T	
WHF? Sound and Vision - Product of the Year	M-DAC	2014	What Hi-Fi Award 2014 - Best DAC 500-700 GBP	M-DAC	
WHF? Sound and Vision - 5-Stars Award	M-DAC		2015	WHF? Sound and Vision - Best Laptop System	M-DAC
Hi Fi Choice-5 stars Award	8200CD	Hi-Fi World - 5 Globes Award		8300CD	
WHF? Sound and Vision - Ultimate Guide to New Tech	M-DAC	Hi-Fi Choice - Recommended		8300CD	
			Hi-Fi Choice - Recommended	8300A	

audiolab

# Awards (cnt)

2016	Hi-Fi World - 5 Globes Award	8300A	Hi-Fi World - 5 Globes	M-EAR
	Hi-Fi News - Highly Commended	M-DAC+	Outstanding Amongst The Best	8300 CDQ
	Hi-Fi World - 5 Globes Award	M-DAC+	Hi-Fi Choice	6000 Series
	WHF - 5 Stars Test Winner	M-DAC+	Hi-Fi Voice Magazine - 10 Stars Recommended	6000 Series
	Hi-Fi Choice - Recommended	M-DAC+		
2017	Gramophone - Product Of The Month	8300CD/8300A	Gramophone - Product Of The Month	6000 Series
	Hi-Fi Choice - Recommended	M-ONE	WEKA Media Publishing GmbH - Golden Ear 2019 (amplifier category below 2000€)	6000A
	Hi-Fi World - 5 Globes Award	M-ONE		
	avforums - Best Hi-Fi Amplifier 2017	M-ONE	Hi-Fi News - Outstanding Products	6000A
	Hi-Fi World - 5 Globes Award	M-DAC Mini	Hi-Fi Choice - Group Test Winner	6000A
2018	Hi-Fi Choice - Recommended	M-DAC Mini	Hi-Fi World - 5 Globes Outstanding Amongst The Best	6000A
	Hi-Fi Choice - Editor's Choice	M-DAC+		
	avforums - Best Buy Award	M-DAC Mini	Hi-Fi Choice - Editor's Choice	6000A
	WHF? Sound and Vision - 5 Stars Award	6000A	Hi-Fi Choice - Recommended	6000CDT
	Hifi Pig - 5 Stars Outstanding Product	6000A & 6000CDT	Hi-Fi Choice - Recommended	8300CDQ
	lite Das Lifestyle & Technik Magazin- Outstanding (middle class category)	6000A	Avforums - Recommended	M-DAC nano
	AUDIO.de Magazine - Recommended (price, performance)	6000A	lite Das Lifestyle & Technik Magazin - Outstanding (middle class category)	M-DAC nano
	WHF - 5 Stars	6000A	Stereo & Video Magazine - 5 Stars Outstanding	8300CDQ
	Hi-Fi Choice - Recommended	M-EAR	Hi-Fi Choice - 5 Stars Award	8300CDQ
			What Hi-Fi - 5 Stars	M-DAC nano



audiolab



6000  
series

wireless audio  
streaming  
player

# 6000N Play

A Pretty All - encompassing streaming experience

The **audiolab 6000N Play** is a wireless audio streaming player and is the latest member of the acclaimed **audiolab 6000 Series** of components.

Featuring DTS Play-Fi® Technology, music can be streamed over your wireless network in high resolution format and can be easily expanded to a multi-room system if required. You can stream from any source on your wireless network, including smart-phones, tablets or PCs as well as a NAS Drive.

The DTS Play-Fi platform offers a wealth of music options from around the globe. Spotify, Tidal, HD Tracks, Deezer, Amazon Music, Napster, KKBox and Sirius XM, to name a few. Browse a radio guide with thousands of stations and podcasts, or stream from a home media server with DLNA compatibility.

Taking technical elements from the coveted **audiolab 6000A** and **6000CDT**, however you want to stream your music, the **audiolab 6000N Play** will deliver an outstanding music streaming performance.



audiolab

6000  
series

wireless audio  
streaming  
player

# 6000N Play

## Key Features

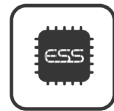
- **Wi-Fi® Technology** - DTS Play-Fi streams music over standard Wi-Fi networks, delivering perfectly synchronized audio, with no lag and zero loss in sound quality
- **Any Operating System** - Fully compatible with all operating systems: Apple iOS, Android™, Windows® PC, and Fire OS
- **Easy Setup** - No logins, no complicated computer-based setups. Just download the app and within minutes, you're ready to listen
- **DTS Play-Fi App** - Simply download the free app and immediately send songs via Wi-Fi to any speaker in any room of the house
- **Multi-room** - Enjoy music in every room of your house — all at once, perfectly synchronized, with no lag. You're in control
- **Lossless Audio Streaming** - Stream in 24-bit/192kHz with compatible streaming services and files formats
- **ESS Sabre32 ES9018K2M Reference DAC** - As seen in the award-winning **audiolab 6000A**
- **Isolated Power Supply** - As seen in the award-winning **audiolab 6000CDT**
- **Ethernet Connection** - Wired internet connection for high bandwidth applications



DTS Play-Fi® App



Easy Setup



ESS Sabre32 DAC



Ethernet  
Connection



Lossless Audio  
Streaming



Multi-room



Wi-Fi® Technology



Any Operating  
System

audiolab



6000  
series

wireless audio  
streaming  
player

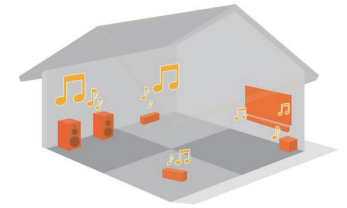
# 6000N Play

## Wireless streaming technology

### What is DTS Play-Fi®?

DTS Play-Fi is premium whole-home wireless audio, now available from the largest ecosystem of brands in the world. Stream your favorite content with astounding audio quality, from every device that you've got.

All DTS Play-Fi products are seamlessly interoperable, so you can find the perfect speaker for every room, and know that they will all make beautiful music together.



### Whole home audio, made easy:

DTS Play-Fi sends audio from mobile devices to speakers throughout the home using a proprietary streaming, synchronization, and authentication technology.

### Freedom of choice, at last

Every single DTS Play-Fi product works perfectly with all the rest, regardless of brand, so you get a huge range of options to customize your home, and one simple, elegant listening experience.

DTS Play-Fi offers an unparalleled selection of audio products for your home, from compact battery-powered speakers to powerful soundbars, built by the most respected audio brands in the business. No more compromising your style or taste to get a high-quality wireless audio solution.



### An endless supply of music

DTS Play-Fi comes with a wealth of music options from around the globe. Spotify, \*Pandora, Deezer, Napster, KKBox and Sirius XM, to name a few. Browse a radio guide with thousands of stations and podcasts, or stream from a home media server.

Stay tuned, because new services are added all the time.

*\* Pandora is enabled for select Play-Fi products only.*

### Critical Listening

Want to sit down in a specific room and appreciate the fine subtleties of your high resolution audio collection? DTS Play-Fi has you covered.

Critical Listening mode allows you to send your high resolution audio files to your premium DTS Play-Fi product with no transcoding or downsampling, no wires necessary.

audiolab





6000  
series

wireless audio  
streaming  
player

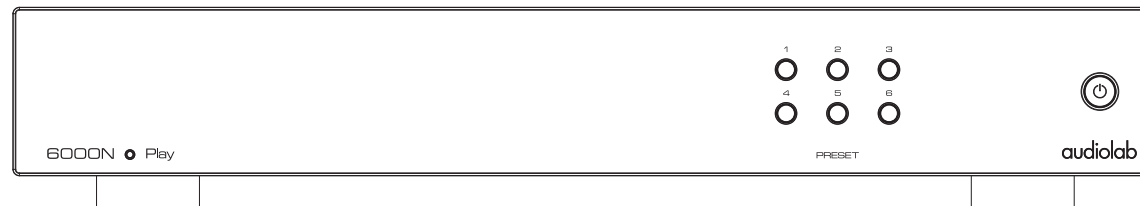
audiolab



## SPECIFICATIONS

Available in Silver and Black

Model	6000N Play
<b>Digital Section:</b>	
Digital Output Level	500 +/- 50mVpp
Output Impedance	75 ohm
Maximum Resolution	192kHz/24bit
Digital Output	1 x coaxial , 1 x optical
<b>D to A Converter:</b>	
Variable Output Voltage	0 - 2.1V
DAC	ES9018K2M
Frequency Response	+/-0.5dB(20Hz-20kHz, ref.1kHz)
Total Harmonic Distortion (THD)	<0.003% (1kHz @0dBFS, BW=20-20kHz)
Signal-to-noise Ratio (S/N)	>115dB(A-weighted)
Analogue Output Impedance	100 ohm
Standby Power Consumption	<0.5W
Requirements (depending on region)	220V—240V~50/60Hz 100V—120V~50/60Hz
Dimensions (LxWxH)	445 x 313 x 65.5mm
Net Weight	4.9kg



6000  
series

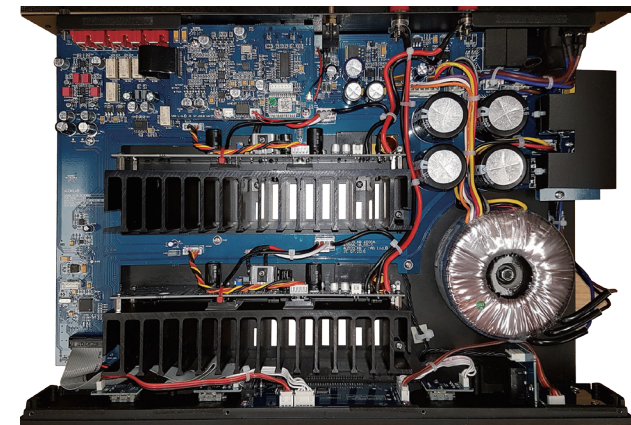
integrated  
amplifier

# 6000A

## Affordable Versatility

The **6000A** integrated amplifier drives the **audiolab** philosophy to a new price-point while living up to today's world of audio expectations. Now home to the latest 32-bit DAC (ES9018K2M), with a Class AB amplifier capable of supplying 2x50W (8ohm) or 2x75W (4ohm) of clean power. The option of selecting between Integrated / PRE-POWER /PRE ONLY modes is available, depending on individual requirements.

To make the **6000A** as versatile as possible it comes with multiple Inputs: 3 x Analogue, 1 x Phono (Moving Magnet), 2 x SPDIF (Coax), 2 x SPDIF (Optical), 1 x Power Amplifier and Bluetooth (aptX) Technology.



audiolab



6000  
series

integrated  
amplifier

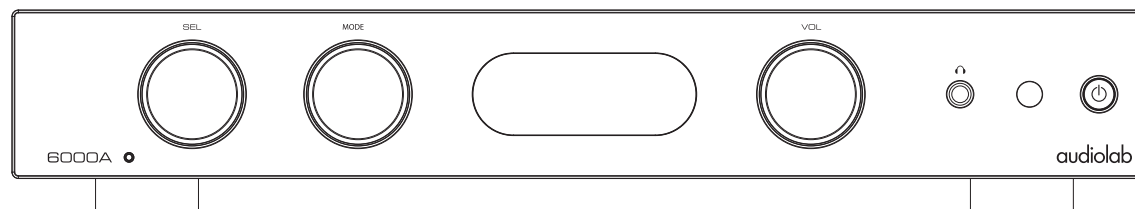
audiolab



Available in Silver and Black

## SPECIFICATIONS

Model	6000A
General Description	Integrated amplifier
Design Philosophy And Core Technology	Support Bluetooth(aptX) / Phono(MM) In / trigger in and link / filter selection / USB upgrade
Analogue Input	3 x RCA , 1 x RCA Phono(MM) , 1 x RCA POWER IN
Digital Input	2 x coaxial , 2 x optical, Bluetooth(aptX)
Variable Output Voltage	0 - 2.3V
Preamp Output Impedance	120 ohm
Frequency Response (Line)	20Hz-20kHz (+/-0.3dB)
Frequency Response (Phono)	20Hz-20kHz (+/-0.5dB)
Signal-to-noise Ratio (Line)	>110dB (A-weighted)
Signal-to-noise Ratio (Phono)	>76dB (A-weighted)
DAC	ES9018K2M
Total Harmonic Distortion (THD)	<0.0005% (1kHz @ 0dBFS)
Frequency Response	20Hz-20kHz (+/-0.3dB)
Signal-to-Noise Ratio (S/N)	>110dB (A-weighted)
Crosstalk	<80dB (@ 10kHz)
Standby Power Consumption	<0.5W
Dimensions ( W x H x D )	445 x 65.5 x 313 mm
Net Weight	7.9kg





6000  
series

CD  
transport

# 6000CDT

## audiolab's Latest CD Transport

The **6000CDT** is the latest CD transport from **audiolab**. Using **audiolab's** slot loading mechanism, the transport uses read-ahead digital buffering to reduce disc reading failures and deliver the highest level of digital signal extraction from a wide range of CDs, even capable of reading scratched and damaged CDs that are unreadable by conventional mechanisms. The onboard digital decoder utilises digital coax and optical outputs to deliver the maximum versatility.



audiolab

6000  
series

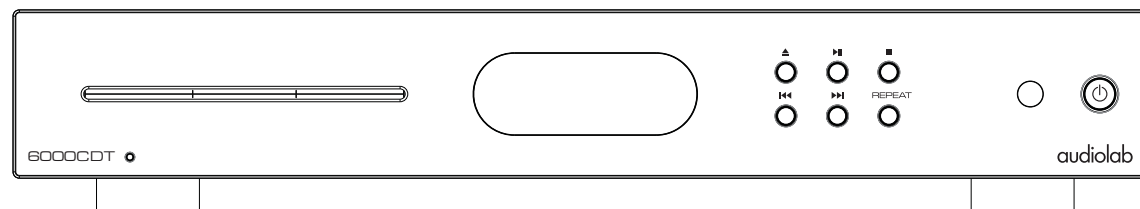
CD  
transport



Available in Silver and Black

## SPECIFICATIONS

Model	6000CDT
General Description	CD Player
Digital Output Level	550+-50mVpp
Digital Output Impedance	75 ohm
Frequency Response	-0.01dB (20Hz-20kHz, ref.1kHz)
Total Harmonic Distortion	<0.001% (1kHz)
Signal-to-noise Ratio (S/N)	115dB
Sampling Rate	44.1kHz
Digital Output	1 x Coaxial , 1 x Optical
Standby Power Consumption	<0.5W
Dimensions (W X H X D )	445 x 65.5 x 300 mm
Net Weight	5.4kg
Power Requirements (depending on region)	220-230V ~ 50/ 60Hz 110-120V ~ 50/60Hz 100V ~50/60Hz



audiolab



8300  
series

8300 series



*Right: 8300A integrated amplifier paired with  
8300XP stereo power amplifier and 8300CDQ CD  
player*

audiolab



8300  
series

integrated  
amplifier

# 8300A

## Versatile High End Integrated Amplifier

The **8300A**'s circuit design delivers all-new sound quality. The soundstage it produces is deeper and broader, with greater space and separation within. Instrument and voices are better defined, their character is vividly portrayed. Dynamic range is greater and frequency response is further extended, with greater bass definition and treble that is both crisper and sweeter. In short, it delivers an open window on the music being played, as all great HiFi should, engaging the listener with natural, unforced energy that is fully reflective of the source material.

At this amplifier's heart is a powerful dual-mono amplifier delivering 75W per channel into eight ohms. CFB or 'Complementary Feedback' topology offers superior linearity and ensures excellent thermal stability.

ACD or 'Active Current Drive' means current limiting is under microprocessor control, programmed to allow the amplifier to supply high currents into complex loads, on par with amplifiers that are bigger and more powerful on paper.



audiolab

8300  
series

integrated  
amplifier



Available in Silver and Black

## SPECIFICATIONS

Model	8300A
General	Integrated amplifier
Description	Design Philosophy And Core Technology
Description	Dual mono power amp design
Display	OLED 128x64 pixels 2.7"
Controls	Logarithmic ladder volume circuit
Finish	Fine textured aluminium (black / silver)
Standby Features	Yes
12v Trigger	Yes
Phono	Yes (MM/MC)
Balanced XLR Input	Yes
<b>Pre-amplifier Section</b>	
Inputs	CD, video, tuner, aux 1, aux 2, XLR (balanced) & phono
Outputs	2 x RCA
Input Sensitivity (Phono Riaa)	3.4mV (MM), 340uV (MC)
Input Impedance (Line Inputs)	50K // 100pF
Input Impedance (Phono Inputs)	47K // 100pF (MM), 100R // 1.5nF (MC)
Input Voltage (Line)	3.5V max. (< 0.02% THD)
Output Voltage	2.3V max. (< 0.02% THD)
Preamp Output Impedance	120 ohm
Frequency Response (Line)	10Hz - 20kHz (+/- 0.1dB)
Frequency Response (Line)	1Hz - 100kHz (+/- 3.0dB)
Frequency Response (Phono RIAA)	20Hz - 20kHz (+/- 1.0dB)

audiolab

8300  
series

integrated  
amplifier

Model	8300A
Channel Imbalance	<0.2dB (10Hz - 20kHz)
Total Harmonic Distortion (THD) Line	<0.001%
Total Harmonic Distortion (THD) Phono	<0.002%
Signal-to-noise Ratio (Line)	>107dB >109dB (A-weighted)
Signal-to-noise Ratio Phono (MM)	>73dB >78dB (A-weighted)
Signal-to-noise Ratio Phono (MC) (Volume = 0db , Vin=300uV , Rs=0r, BW=20-20khz)	>68dB >73dB (A-weighted)
Crosstalk	<80dB (L-> R & R->L @10KHz)
<b>Power Amplifier Section</b>	
Gain	29dB (20Hz-20KHz)
Input Sensitivity	840mV (Power Out = 70W into 8ohm)
Input Impedance	15K // 100pF
Rated Max Power Output , Thd < 1%	2 x 75W RMS (8 ohm) , 2 x 115W (4 ohm) (Ref. Power Supply= 230V AC)
Peak Output Current	+/- 15A
Frequency Response	+/- 0.1dB (10Hz - 20KHz) +/- 3.0dB (1Hz - 100KHz)
Channel Imbalance	<0.2dB (10Hz - 20kHz)
Total Harmonic Distortion (THD)	<0.002% (Power Out = 50W @ 1KHz, BW = 20Hz - 20kHz)
Signal-to-noise Ratio	>107dB (BW = 20 - 20KHz ) >109dB(A-weighted BW = 20 - 20KHz)
Damping Factor	>100 (8ohm Load @ 1kHz)
Inputs	1 x RCA
Outputs	2 x Preamp
Dimensions	80 x 444 x 330.3mm
Weight	7.8kg

audiolab



8300  
series

CD  
player

# 8300CDQ

## Extra Value Added

An addition to the **8300CD** family, the **8300CDQ** adds full analogue preamp functionality. The existing digital inputs are joined by three line-level analogue inputs, providing source selection and volume control in the analogue domain. The preamplifier section is fully balanced and all analogue input signals are converted to balanced form, helping to reduce distortion and noise. Class A gain structures are present throughout, and users may choose between pre-amplification in the analogue or digital domain in respect of the digital inputs. The **8300CDQ** adds a direct-coupled, discrete, Class A headphone amplifier, accessible via a socket on the front panel.

**8300CDQ** includes MQA technology, which enables you to play back MQA audio files and streams, delivering the sound of the original master recording. MQA (Master Quality Authenticated) is an award-winning British technology that delivers the sound of the original master recording. The master MQA file is fully authenticated and is small enough to stream or download. Visit [mqa.co.uk](http://mqa.co.uk) for more information.



audiolab

The MQA logo is a trademark of MQA Limited.

8300  
series

CD  
player



Available in Silver and Black

## SPECIFICATIONS

Model	8300CDQ
General Description	CD player, digital-to-analogue converter
Disc Compatibility	CD / CDR, etc.
USB Audio Compatibility	Supports MQA decoding, 384k PCM and DSD256
DAC	ESS Sabre32 9018 chip
Resolution	32 bits
Sampling Frequency	Optical, coaxial, AES: 32kHz - 192kHz USB: 32kHz - 384kHz (PCM) / DSD64, DSD128, DSD256
Maximum Sampling Frequency	Optical, coaxial, AES: 192kHz USB: 384kHz (PCM) / 11.2M (DSD256)
Digital Input	2 x coaxial, 2 x toslink optical, 1 x USB for PC USB
Analogue Input	3 x AUX
Digital Output	1 x coaxial, 1 x toslink optical
Output Voltage	4.2Vrms $\pm$ 0.1 (balanced), 2.1Vrms $\pm$ 0.1 (unbalanced)
Output Impedance	10 ohm
Total Harmonic Distortion	<0.002%
Frequency Response	20Hz - 20kHz ( $\pm$ 0.2dB)
Signal-to-noise Ratio (S/N) A wtd	RCA: <98dB, XLR<100dB
Dynamic Range A wtd	RCA: >98dB, XLR>100dB
Crosstalk @1K	RCA: <-120dB, XLR<-130dB
Standby Power Consumption	<0.5W
Dimensions ( W x H x D )	444 x 80 x 317 mm
Net Weight	6.0kg

audiolab



8300  
series

stereo  
power  
amplifier

# 8300XP

## New Stereo Power Amplifier

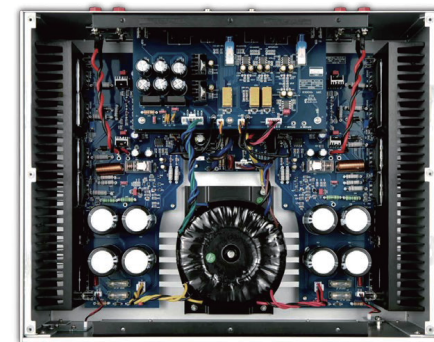
The **8300XP** is a classic **audiolab** stereo power amplifier, with a sound as clean and crisp as its minimalist exterior. Its pedigree is impeccable, descended from a range of amplifiers revered throughout the world for their unerring ability to perform at the highest level.

Delivering 140W per channel into 8 Ohms, the **8300XP** is capable of driving even the toughest of loudspeakers with sure-footed authority, combining **audiolab's** class-leading neutrality with an unerring ability to engage the listener throughout a musical performance. When listening to the **8300XP**, what you hear is the music - pure and unadulterated, with detail and dynamic range fully intact.

## Sound Optimization

Exemplary build quality and reliability ensure that this is a power amp for all seasons, its versatility increased by a choice of balanced XLR and single-ended RCA inputs, bi-wire speaker terminals and a pair of 12v trigger Inputs. Internal circuit components are of the highest quality, right down to the power and signal wiring, which is made of ultra-pure OCC (Ohno Continuous Cast) copper - all in aid of minimising distortion whilst maximising sonic clarity.

Flexibility is further enhanced by the ability to add a second **8300XP** and operate in a bridged mode, thus increasing the power output to 480W per channel into 8 Ohms. All **audiolab** amplifiers are gain-matched, ensuring perfect integration with other **audiolab** components - so you can start at the level that suits you best, and build up your system over time.



audiolab



8300  
series

stereo  
power  
amplifier



Available in Silver and Black

## SPECIFICATIONS

Model	8300XP
Rated	140W RMS (8 ohm <1% THD,1kHz stereo)
	230W RMS (4 ohm <1% THD,1kHz stereo)
	480W RMS (8 ohm <1% THD,1kHz bridge)
Gain	29dB @ 1kHz (stereo)
	36dB @ 1kHz (bridge)
Input Sensitivity	1100mV
Input Impedance	15K (balanced)
	10K (unbalanced)
Frequency Response	-3dB 20Hz-80kHz
	+/-1dB 20Hz-30kHz
Total Harmonic Distortion (THD)	0.04% (20W, ref. 1kHz)
Intermodulation Distortion (IM)	0.04% (20W, ref. 7kHz+60Hz)
Transient Intermodulation Distortion (TID)	113dB (A Weighted, ref. 140W)
Signal-to-noise Ratio (S/N)	140W / 113dB
Damping Factor	160
Power Requirement	240V~50-60Hz
	230V~50-60Hz
	115V~50-60Hz
	100V~50-60Hz
Dimension (W x H x D)	444 x 149 x 367 mm
Net Weight	16Kg

audiolab

8300  
series

mono  
power  
amplifier

# 8300MB

## Pure Power

The **8300MB** is quite possibly the perfect example of **audiolab**'s goal to effortlessly reproduce music with exquisite detail. Not only is **8300MB** an extremely powerful amplifier, offering 250W of pure power with high current drive capability, but it also features a fully balanced power stage.

Internally the **8300MB** is arranged as two complete power amplifiers which are bridge coupled to the loudspeaker terminals. Each power amplification stage is fed from one of the terminals of the balanced input, therefore the **8300MB** operates as a fully balanced amplifier right through to the speaker output. The benefits are a high level of noise rejection and lower transient distortion plus the ability of the amplifier to draw maximum current from the power supply as required to follow the musical waveform accurately .

This all adds up to a startlingly vivid and highly impactful musical performance that will put more energy into your loudspeakers as well as control them like never before.



audiolab

*Left: Two audiolab 8300MBs mono power amplifiers paired with 8300CD CD player in silver finish*

8300  
series

mono  
power  
amplifier



Available in Silver and Black

## SPECIFICATIONS

Model	8300MB
General Description	Mono power amplifier
Finish	Fine textured aluminium (black / silver)
Standby Feature	Yes
12V Trigger	Yes
<b>Power Amplifier Section</b>	
Power Output	250W RMS (8 ohm, <1% THD, 1kHz)
GAIN	29dB (8 ohm)
Inputs	RCA, XLR
Outputs	Speaker binding post terminal
Input Sensitivity	1500mV
Input Impedance	44kohm (balanced)
Outputs	22Kohm (unbalanced)
Power Bandwidth	5Hz - 60kHz
Frequency Response	20Hz -20kHz (ref. 1kHz 0.1dB) 20Hz- 60kHz (ref. 1kHz -3dB)
Total Harmonic Distortion (THD)	0.003% (30W, ref. 1kHz)
Intermodulation Distortion (IM)	0.03% (30W, ref. 7kHz+60Hz)
Signal-to-Noise Ratio (S/N)	110dB (A Weighted, ref. 250W)
Damping Factor	200
Dimensions	150 x 216 x 370mm
Weight	9.5kg

audiolab



# M-ONE series

integrated  
amplifier

# M-ONE

## A Versatile Powerpack

The **audiolab M-ONE** integrated amplifier harnesses our acclaimed DAC and amp tech in a single diminutive box. With gripping dynamic contrasts and fast, musical detail it's now possible to experience **audiolab's** trademark sound with convenience that will leave you astounded.

Who talks about us...



audiolab



USB A (iOS) &  
USB B inputs



32bit / 384kHz  
Resolution DAC



DSD File  
playback



7 user selectable  
audio filters



Bluetooth aptX  
wireless streaming



Analogue & Digital  
inputs



Built-in 40W  
per channel amp



Headphone output

# M-ONE series

integrated  
amplifier



Available in Silver and Black

## SPECIFICATIONS

Model	M-ONE
Gain	51dB (line inputs)
Input Sensitivity	515mV (line inputs)
Input Impedance	10K (line inputs)
<b>Power Amplifier Section</b>	
Rated Power Output	2 x 36W RMS (4 ohm)
Frequency Response	-3dB (10Hz - 30kHz, Ref. 1kHz) -1dB (20Hz - 20kHz, Ref. 1kHz)
Total Harmonic Distortion (Thd)	0.01% (@1kHz, 1W, 20Hz - 20kHz)
Signal-to-noise Ratio (S/n)	81dB (1W, @1kHz)
Standby Power Consumption	<0.5W
Dimensions (W X H X D)	246.5 x 114 x 295 mm
Net Weight	5.5kg
Gross Weight	6.5kg
Power Requirements	220 - 240V (50 ~ 60Hz)
(Depending On Region)	100 - 120V (50 ~ 60Hz)

audiolab



# M-DAC series

digital-to-  
analogue  
lineup

## M-DAC+

- The new styling is in keeping with the new **8300** series industrial design making the **M-DAC+** a perfect companion for the **8300A** or or **8300XP**
- 32-bit ESS Sabre DAC
- Widely renowned as the best-sounding DAC available
- Similarly to the **8300CD**, the **M-DAC+** extends its frequency response to 384kHz via USB
- This is far higher than current hi-res formats, meaning it is equipped for future advances in digital audio
- USB A for iOS device playback and charging
- Same versatile PCM & DSD filters as **8300CD**
- 12v trigger connections
- Inputs: 2 x COAX, 2 x OPT, AES, USB A, USB B
- Outputs: 2 x Balanced XLR, 2 x RCA, OPT, COAX



audiolab





# M-DAC series

integrated  
amplifier



Available in Silver and Black

## SPECIFICATIONS

Model	M-DAC+
General Description	Digital-to-analogue converter
DAC	ESS Sabre32 9018 chip
Sampling Rate	24-bit / 192kHz (Optical, Coaxial, AES) 32-bit / 384kHz (USB) 2.8MHz (DSD64), 5.6MHz (DSD128), 11.2MHz (DSD256)
Digital Input	2 x Coaxial, 2 x Toslink Optical, 1 x AES/EBU, 1 x USB for PC USB, 1x USB for iPod/iPhone/iPad
Digital Output	1x Coaxial, 1 x Toslink Optical
Output Voltage	Balanced: 4.5Vrms $\pm$ 0.1 Unbalanced: 2.25Vrms $\pm$ 0.1
Output Impedance	10 ohm
THD (1kHz 0dB 20Hz - 20kHz A wtd)	<0.002%
Frequency Response	20Hz - 20KHz ( $\pm$ 0.2dB)
Signal-to-noise Ratio A Wtd	RCA: >115dB, XLR: >120dB
Dynamic Range A Wtd	RCA: >115dB, XLR: >120dB
Crosstalk @ 1k	RCA: <-120dB, XLR: <-130dB
Dimensions (mm)	114 x 247 x 292 mm
Net Weight	3.7kg

audiolab

M-DAC  
series

digital-to-  
analogue  
converter

# M-DAC Mini

## Massive In Features Miniature In Size

An addition to **audiolab's** range of award-winning DACs, condensed into a slim, battery supported design you can take with you almost anywhere. Following on from **audiolab's** success with **M-DAC** and **M-DAC+**, **audiolab** has created **M-DAC mini**.

The combination of analogue and digital connections, including a high power drive 6.3mm headphone jack, complete the package of a DAC that is big in features within a mini exterior. **M-DAC Mini's** advanced circuitry is housed within an injection moulded, impact-resistant polypropylene casing with a machined aluminum front plate and controls.

Packed with technical innovation, **M-DAC mini** can handle resolutions up to 32bit/384kHz with DSD file compatibility with a plethora of modern devices including Android, iOS, PC, MAC and, with the inclusion of Bluetooth apt-X wireless streaming, experiencing Audiolab's energetic sound has never been easier.



audiolab

# M-DAC series

integrated  
amplifier



Available in Silver and Black

## SPECIFICATIONS

Model	M-DAC MINI
General Description	High-resolution portable headphone amplifier/DAC ESS Sabre32 chip :ES9018K2M
Resolution	32 bits
Sampling Frequency	Optical, Coaxial:32kHz ---192kHz ; USB:32kHz---384kHz(PCM)/DSD64, DSD128, DSD256
Maximum Sampling Frequency	Optical, Coaxial: 192kHz ; USB:384kHz(PCM)/11.2M(DSD256)
Digital Input	1 x Coaxial, 1 x Toslink Optical, 1 x micro USB for PC/Android ,1xUSB for iPod/iPhone,Bluetooth
Digital Output	1x Coaxial, 1 x Toslink Optical
Output Voltage (max)	5Vrms $\pm$ 0.1
Output Impedance	10 ohm
THD 1kHz 0dB 20Hz--20kHz A wtd	<0.002% ,
Frequency Response	20Hz---20KHz ( $\pm$ 0.2dB)
Signal-to-Noise ratio (S/N) A wtd	<-115dB
Dynamic Range A wtd	>115dB
Crosstalk @1K	<-110dB
Battery	Li-ion Type DC 3.7V 5000mAh
Playback Time	Up to 8 hours when fully charged
Charge time	Approximately 4.5 hours (DC 5V @ 3A)
Dimensions (mm)	136 x 34 x 178 mm
Gross Weight	0.44kg

audiolab



M-DAC  
series

digital-to-  
analogue  
converter

# M-DAC nano

## Small Yet Mighty

The latest addition to the M-DAC range continues this tradition. The M-DAC nano is the smallest, most affordable and most conveniently mobile M-DAC yet!

Similar in size to a small matchbox, the M-DAC nano is a brilliantly simple way to transform headphone sound quality when you are on the go. It connects wirelessly to Android phones, iPhones, tablets and more via Bluetooth, untethering the listener's headphones from the playback device – much more convenient for mobile use than DAC/headphone amps that require cables to connect.

And that is not the only thing that is wireless. The M-DAC nano's built-in battery supports Qi wireless charging – simply pop it on the supplied charging pad to deliver up to eight hours of playing time.

Of course, all this convenience would mean nothing if the M-DAC nano's sound quality was subpar – but **audiolab** has squeezed in plenty of tech to ensure it sounds great!



Model	M-DAC nano
Wireless Connectivity	Bluetooth V4.2
Output Power	30mW per channel @32 ohm (1Vrms output) 7.5mW per channel @300 ohm (1.5Vrms output)
Audio Codec	aptX / aptX LL / AAC / SBC
Matching Impedance	8Ω to 300 ohm
Dimensions	44 × 44 × 14mm
Weight	28g

audiolab

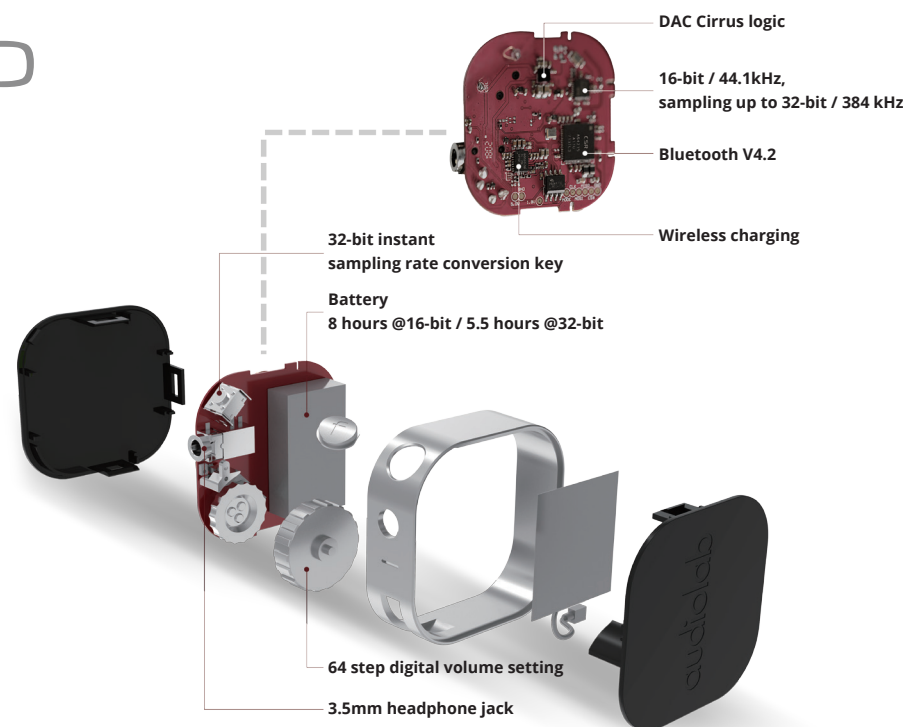
M-DAC  
series

digital-to-  
analogue  
converter

# M-DAC nano

## Usage And Benefits

- Turn your favourite corded headphones or earphones into Bluetooth ones – convenient for audio on the go.
- Digital upsampling tech, hi-res digital-to-analogue conversion and powerful amplification deliver enhanced sound quality compared to plugging headphones/earphones directly into phones, tablets, laptops etc.
- Bluetooth reception (with support for aptX, aptX Low Latency and AAC) means no more messing with USB OTG cables for Android devices and all the necessary cables/adapters for iOS devices, in contrast to portable DAC/headphone amps that require USB connection. Just pair and go!
- Advanced audio technology delivers superior sound quality compared to headphones / earphones with integrated Bluetooth.
- Great way to use corded phones with an iPhone without a headphone output – untethered from the iPhone and no Lightning adapter required!
- Can also be used to add high-quality Bluetooth reception to a home-based audio system – simply connect the **M-DAC nano's** 3.5mm headphone output to a 3.5mm 'aux' input or RCA-phono inputs (cable not supplied).



High Quality Audio



Wireless Charging



Ultra Light Weight  
& Compact  
28g



Built In Headphone  
Amplifier

audiolab



HEADPHONES  
series

Reference  
Grade In-Ear  
Headphones

# M-EAR



Little **M-EARs** deliver **BIG** music

**audiolab's M-EAR 2D** and **M-EAR 4D** – the brand's first headphones – are in-ear monitors that combine multiple balanced armature drivers to thrilling musical effect. Two celebrated names from the UK audio scene – **audiolab** and **ACS** – have teamed up to deliver a range of British-made, multi-driver in-ear monitors called **audiolab M-EAR**.

The **M-EAR 2D** is a two-way, two-driver design, with one driver handling mid/high frequencies and the other dedicated to bass. The **M-EAR 4D** is a three-way design sporting four drive units – one for high frequencies, another for midrange and two for bass.

An inline, ultra-high clarity microphone is included for convenience when making phone calls or recording.



audiolab

 Engineered &  
Made In The UK



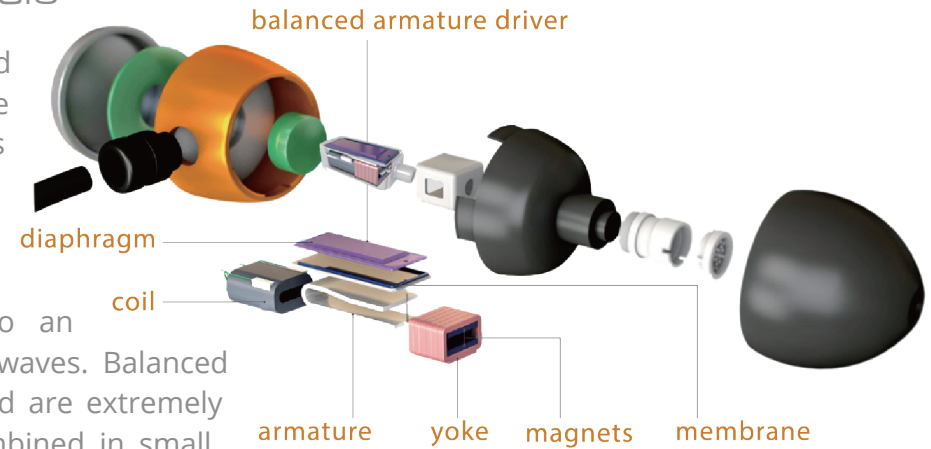
Reference  
Grade In-Ear  
Headphones

# M-EAR

Little M-EARs deliver BIG music

Both M-EAR models incorporate balanced armature drivers, which differ from the dynamic drivers found in most headphones and earphones.

These drivers use an electronic signal to vibrate a tiny reed suspended between two magnets; this movement is transferred to an aluminium diaphragm that generates soundwaves. Balanced armature drivers deliver greater efficiency and are extremely compact, enabling several drivers to be combined in small, sound-isolating in-ear monitors.



Model	M-EAR (2D)	M-EAR (4D)
Driver configuration	2 x balanced armature drivers	4 x balanced armature drivers
Crossover	Two-way system	Three-way system
Noise isolation	-26dB	-26dB
Frequency response	20Hz-20kHz	20Hz-20kHz
Impedance	112 Ohms (@1kHz)	66 Ohms (@1kHz)
Output (sensitivity)	112dB @ 0.1V (1kHz)	115dB @ 0.1V (1kHz)
Cable	1.45m detachable	1.45m detachable
In-line microphone	SiSonic™ MEMS	SiSonic™ MEMS
Accessories	6 x memory foam ear tips; carrying case	6 x memory foam ear tips; carrying case
Weight	20g	20.5g



Made In UK



Low Distortion,  
Maximum Efficiency



Precise Sound  
Reproduction



Enhanced Sonic  
Definition



Multi-Driver  
Design



True Record  
In-line Microphone



Engineered &  
Made In The UK

for more  
information:

[www.audiolab.co.uk](http://www.audiolab.co.uk)



audiolab

[www.audiolab.co.uk](http://www.audiolab.co.uk) [f](#) audiolabiag [i](#) audiolabhifi  
IAG House, 13/14 Glebe Road, Huntingdon,  
Cambridgeshire, PE29 7DL, UK