

Omnia

All-in-one Music System

audiolab



**available in BLACK and SILVER finishes*

roon
TESTED

MQA

dts play-fi

Hi-Res
AUDIO

Bluetooth®

aptX
csr

OVERVIEW



The audiolab Omnia is a ground-breaking, all-encompassing audio solution.

Blurring the lines that generally differentiate hi-fi and lifestyle, **Omnia** brings all of the pedigree that helps make **audiolab** electronics the connoisseur's choice. Yet, indulgence in design, material aesthetics and useability means it has all of the functionality to make it a sleek, convenient and easy-to-use centre-piece, for an uncompromising home audio system.

The **audiolab Omnia** maintains the award-winning, instantly recognisable, **audiolab** design cues; unfussy yet striking in appearance, the curved, brushed aluminium chassis is 'typical **audiolab**' but evolved to suit the modern-day living environment. **Omnia** is attractive but discreet, offering the perfect balance for living rooms and listening rooms alike.

In a world where music is more available than ever and sources more varied than ever, **Omnia** doesn't discriminate. However you listen to your music, **Omnia** has got you covered. To sum it up, the **audiolab Omnia** is a CD player, integrated amplifier, wireless streaming player, DAC, headphone amplifier and pre-amplifier - in one single unit!

Equipped with a high-performance CD drive, the audiolab Omnia is a standout in the genre of 'all-in-one' systems.

Extremely robust and reliable; the **Omnia's** CD drive builds on the class-leading 6000CDT CD transport with a read-ahead digital buffer to reduce disc-reading failures. Such is the performance of this CD mechanism, **Omnia** is able to play scratched and damaged CDs that are unreadable by conventional mechanisms.

Omnia *All-in-one Music System*

Along with the CD section, Omnia offers a host of connectivity options for traditional audio sources – optical, digital and stereo RCA inputs will accommodate the widest of system integration requirements.

Utilising high-quality analogue preamp circuitry, akin to the acclaimed **audiolab** 6000 series, coupled to line-level RCA inputs to connect analogue sources, the preamp circuitry is kept as simple as possible. Using high-quality components to maintain signal purity, with line input signals passing to a precision analogue volume stage, **Omnia** is an outstanding pre-amp, in its own right.

A dedicated MM phono input means a turntable can be directly connected to **Omnia** via a high-quality, low-noise, phono stage with precise RIAA equalisation. This phono stage continues the evolution from the award-winning 6000 series - engineered to make the most of the music nestling within an LP's grooves.



For networked audio playback, the audiolab Omnia is equipped with an ethernet port, lending itself to a wired connection and the wider bandwidth requirements of high-resolution digital audio.

For the most convenient access to wireless music playback, **Omnia** offers Bluetooth connectivity with high-quality, low latency, with the Bluetooth aptX standard.

The **Omnia's** Wi-Fi networking is powered by DTS Play-Fi: an app-controlled platform enabling high-quality, whole-home wireless audio, capable of streaming hi-res music up to 24-bit/192kHz and supported by a greater range of established audio brands than any other wireless platform.



The USB DAC section furthers audiolab's multi-award winning pedigree.

Based upon the new ES9038Q2M SABRE³² Reference DAC performs D/A conversion, utilising ESS Technology's 32-bit HyperStream II architecture and Time Domain Jitter Eliminator to deliver ultra-low noise and high dynamic range. No company knows more about making the most of this technically excellent, but challenging, DAC technology than **audiolab**; the universally acclaimed M-DAC was one of the first home audio components to incorporate an ESS chip back in 2011, and the company has been honing its implementation ever since.

The **audiolab Omnia** will decode MQA (Master Quality Authenticated) from the USB, SPDIF and Play-Fi. The brainchild of Meridian Audio co-founder Bob Stuart, MQA is a digital audio format designed for high-resolution music streaming and is available via subscription to Tidal's 'HiFi' tier (among other sources). **Omnia** unpacks MQA data – received via the USB input – at the original file's full resolution and passes the signal through its DAC and preamp stages.

Further to this, the **audiolab Omnia** is also Roon tested, thus opening up to the world of Roon. Roon's fundamental goal is to provide a consistently stellar user experience. This goal doesn't stop at the software... the experience extends all the way down to the audio playback hardware, regardless of manufacturer. As a Roon Tested partner, **audiolab** has provided equipment to Roon for testing with a variety of different operating systems and computers, and shared information about its design and capabilities. We have a direct relationship with Roon and in many cases, the Roon support team has our devices on hand, so you can confidently choose to use **audiolab** hardware with Roon.



Powering your speakers is a doddle with zero complexity, in terms of configuration.

Simply connect your passive speakers to the **audiolab Omnia** and you have access to a world of audio sources with impeccable playback. The discrete Class AB power amp stage delivers 50W per channel into 8 ohms, with a maximum current delivery of 9 Amps, into difficult loads. 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. A substantial 200VA toroidal transformer, followed by 4x15,000uF reservoir capacity (60,000uF in total), helps the amp to maintain firm control of the music whilst enabling excellent dynamic range. More than just a class-leader, the **Omnia** is a class-beater in terms of amplifier performance!

For those using headphones, as well as speakers, incorporates a dedicated headphone amp with current-feedback circuitry. 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 all-in-one of all-in-one systems!

Firmly planting itself as a very useable piece of high-tech equipment, the audiolab Omnia makes use of a colour TFT display, a simplified general user interface and a graphical integration with your music source and playback formats.

The **audiolab Omnia** display also uses a brand new protocol for a realtime VU meter display, adding a touch of hi-fi finesse to the very functional, equally good looking, display interface. All this versatility would be worth little if it came at the cost of genuine hi-fi sound quality. True to its roots, **audiolab** has refused to compromise on performance by drawing on the sonic know-how that earned ample accolades over the years.



KEY FEATURES



DTS Play-Fi® App



Lossless Audio
Streaming



Interactive GUI



Easy Setup



ESS Sabre32 DAC



Ethernet
Connection



Multi-room



Wi-Fi® Technology



Any Operating
System

One for all

A complete integrated stand-alone all-in-one music solution

Lifestyle and pedigree

Encompassing a universal selection of playback options, **Omnia** offers it all:

- CD playback
- Full DAC and preamp facilities
- Analogue and digital source connectivity
- Powerful stereo amplification
- Dedicated headphone amplifier
- Hi-res streaming via Wi-Fi or Ethernet
- Major streaming service support (Spotify, Tidal, Qobuz, Amazon and more!)
- Internet Radio
- Multi-room compatibility

Own the digital domain

The 32-bit enabled, ES9038Q2M SABRE³² DAC offers audiophile quality with ultra-low power consumption, and supports the industry's most popular high-resolution and lossless audio formats including MQA, FLAC, ALAC, AIFF and WAV as well as compressed legacy formats.

MQA, all day, every day

The **Omnia** includes MQA technology, which enables you to play back MQA audio files and streams, delivering the sound of the original master recording.

Visit mqa.co.uk for more information.



Roon Tested

Being Roon Tested means that [Partner] and Roon have collaborated to ensure you have the best experience using Roon software and [Partner] equipment together, so you can just enjoy the music.

Visit roonlabs.com for more information.



All on display

A 4.3-inch display offers an interactive and graphic general user interface experience.

On the meter

Omnia's standout display offers specifically developed digital VU meters.

INPUTS:

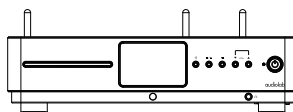
- 4x S/PDIF digital audio (2x optical; 2x coaxial)
- 4x analogue audio (3x line level; 1x MM phono)
- 1 x power amp input
- USB 2.0 port (replays stereo from compatible host)
- CD playback (compatible with CD, CD-R, CD-RW discs)

OUTPUTS:

- Speaker binding posts
- Headphone output
- Preamp output
- 12V trigger



SPECIFICATIONS



Model	Omnia
General Description	Integrated Amplifier
Design Philosophy and Core Technology	<p>2x50W (8ohm) / 2x75W (4ohm) Class AB</p> <p>ES9038Q2M 32-bit DAC</p> <p>4.3" 800x480 large size full view IPS LCD</p> <p>Built in certified hardware MQA Full decoder (PC USB, Coax/Optical)</p> <p>CD playback compatible with CD, CD-R, CD-RW discs</p> <p>Support playing USB memory device (MP3/WMA/AAC/WAV)</p> <p>DTS Play-Fi technology (IEEE 802.11 a/b/g/n/ac)</p> <p>Support the global popular steaming content (Amazon Music, Spotify, TIDAL, KKBox, SiriusXM, Napster, Internet Radio, Deezer, iHeartRadio, PANDORA, Qobuz, Qmusic)</p> <p>Support Speakers Group</p> <p>Support Bluetooth 5.0 (aptX/aptX LL) streaming</p> <p>Low Noise Moving Magnet Phono stage</p> <p>Dedicated Current-Feedback Headphone AMP</p> <p>Integrated / PRE-POWER / PRE only Modes</p> <p>Support android/iOS/Kindle Fire/Windows PC Control</p> <p>Support USB Upgrade</p>
Inputs	3 x Analogue, 1 x Phono (MM), 1 x Power Amplifier, 2 x SPDIF (Coax), 2 x SPDIF (Optical), 1 x DTS Play-Fi Streaming, 1xPC USB (USB B), 1xUSB HDD (USB A), 1 x Bluetooth (aptX/aptX LL), 1 x 12V Trigger
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	+8dB (Line) +47dB (Phono MM)
Input Sensitivity	720mV (Line, Volume = 0dB) 3.1mV (Phone MM, Volume=0dB)
Input Impedance	10K (Line) 47K // 100pF (Phono MM)
Total Harmonic Distortion (THD)	< 0.0004% (1KHz @ 2V, Volume = 0dB)
Frequency Response	20Hz-20kHz (+/-0.1dB)
Output Voltage	2.3V max. (Volume = 0dB)
Output Impedance	100 ohm
Signal-to-Noise Ratio	> 110dB (Line, A-weighted) > 76dB (Phono MM, A-weighted)

SPECIFICATIONS

DAC

D to A Converter	ES9038Q2M
Total Harmonic Distortion (THD)	< 0.0006% (1KHz @ 0dBFS)
Output level (0dBFS, 1KHz)	2.1Vrms
Max. Sampling Frequency	Optical, Coaxial: 192KHz Ethernet, Wi-Fi: 192KHz USB A: 48kHz PC USB: PCM768kHz, DSD512
Signal-to-noise Ratio (S/N)	> 114dB (A-weighted)

Power Amplifier Section

Gain	+29dB
Rated Power Output	2 x 50W (8 ohm, THD < 1%) 2 x 75W (4 ohm, THD < 1%)
Frequency Response	20Hz-20kHz (+/-0.3dB)
Total Harmonic Distortion (THD)	< 0.003% (1kHz @ 40W / 8ohm)
Input Sensitivity	720mV
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 ohm
Load impedance	20-600 ohm

General

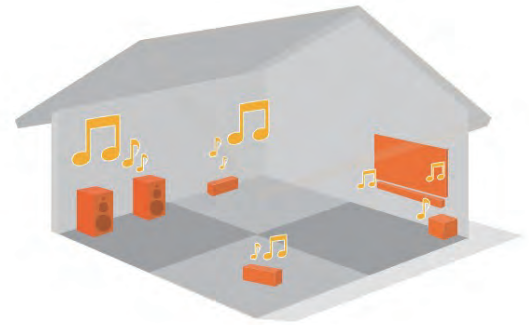
Standby Power Consumption	< 0.5W
Net Weight	9.1kg
Gross Weight	11kg
Dimensions (mm) (W x H x D)	440 x156 x 327
Carton Size (mm) (W x H x D)	540 x 412 x 210
Finish	Black / Silver
Power Requirements (depending on region)	220-240V ~ 50/ 60Hz 100-120V ~ 50/ 60Hz
Standard Accessories	Power Cord, Remote Control, User Manual, Antennas, etc.

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.*

Works with every device you've got

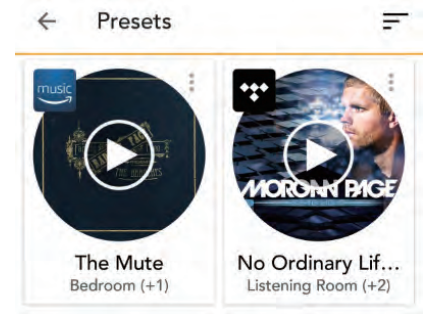
Of course your music is always close by. And we know you have all kinds of devices in your life. That's why DTS Play-Fi is built especially for smartphones, tablets, and PCs.

We have easy-to-use software for **Android**, **iOS**, **Kindle Fires**, and **Windows**. We support streaming via Spotify Connect, too. Any way you want to play, it just works.



What are Presets / Recents?

Presets within DTS Play-Fi are programmable buttons that allow you to quickly start up the content you want, pretty much like on a car stereo. We have a Presets section in the app that stores not only your content, but also your current speaker configuration, which you program yourself. "Recents" are the same, but these are automatically saved in the app separately based on your history of whatever you were last doing.



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.

A/V Synchronization

No longer do you need to suffer through the tiny speakers of your laptop or tablet when watching videos or YouTube. With the DTS Play-Fi app for *Windows, turn on Video mode, and send the audio to the nearest DTS Play-Fi product to enjoy your video with premium sound wirelessly A/V synchronized.

**requires Windows upgrade purchase <https://play-fi.com/apps/windows/>*



More ways to control your music

We integrate with the software and hardware controls on your phone, tablet, or computer. Pause or seek through tracks in the notification or lock screen, or just leave the phone in your pocket and use the volume rocker to raise the noise throughout your house.

Got a smart watch? DTS Play-Fi can be controlled from both Android Wear and Apple Watch systems. Easily see what's playing at a glance, and quickly change up how the sessions going, without ever having to touch your phone.

DTS Play-Fi Headphones

With the new DTS Play-Fi Headphones app, you can enjoy high quality TV audio privately through any pair of headphones.

Not only do you get the great sound quality and tight A/V synchronization of DTS Play-Fi, you can also connect to multiple headphones or speakers at the same time.

This app is only available on iOS and Android is coming soon!



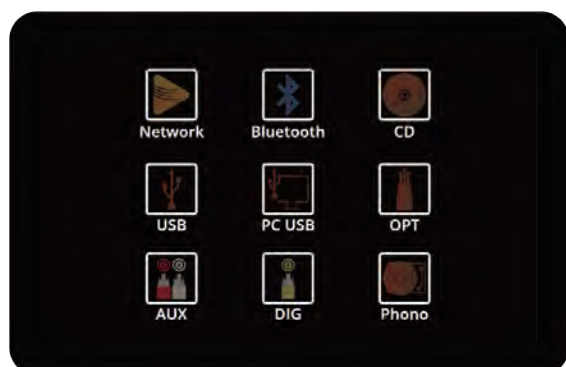
How DTS Play-Fi Stacks Up

	DTS Play-Fi	Sonos	Airplay	Google Cast	Bluetooth
Android Compatible	●	●		●	●
iOS Compatible	●	●	●	●	●
Kindle Fire Compatible	●	●			‡
Play from any Application on a Windows PC	●				●
Dual-Band Wi-Fi	●		●	●	
Multi-Room, Expandable System (Synchronous)	●	●	†	●	
Multi-Zone Streaming from a Single Device	●	●		●	
Left/Right Stereo Speaker Pairing	●	●			
Lossless High-Resolution (24bit/192kHz) file playback	●				
Optional downsampling of Hi-Res content	●				
One Touch Music Station Presets	●				
Works with Alexa	●	●			
Modes for Synchronizing Audio with Video Source	●				
Wireless Surround Sound	●	●			
Stream from Device Inputs (Aux/Phono/HDMI/etc.)	●	●			
App-based Wireless Headphones	●				

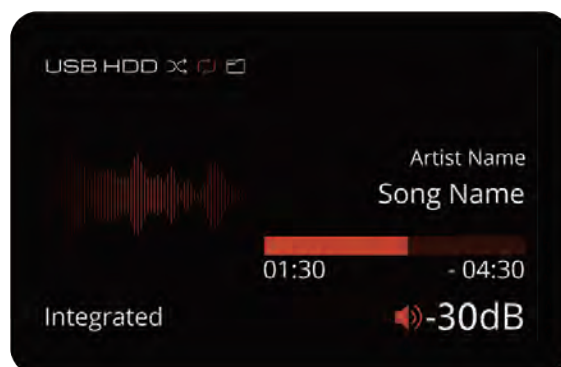
† Plays to multiple rooms only from your iTunes collection running on a PC. Airplay cannot play to multiple rooms from your iPhone or iPad.

‡ This feature is only available on laptops/computers and Kindle Fire models with Bluetooth capabilities (e.g. Macs)

INTERACTIVE GUI



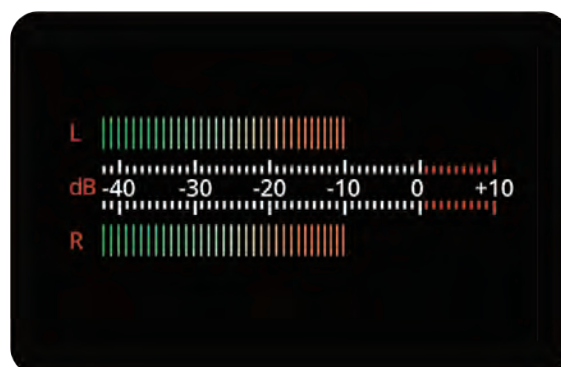
Source Options



Playback Display



VU Analogue



VU Digital



Audiolab



Volume Control

Omnia *All-in-one Music System*



Above: **audiolab Omnia**, wireless audio streaming player & integrated amplifier in silver finishes.



Above: **audiolab Omnia**, wireless audio streaming player & integrated amplifier in black finishes.

audiolab

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