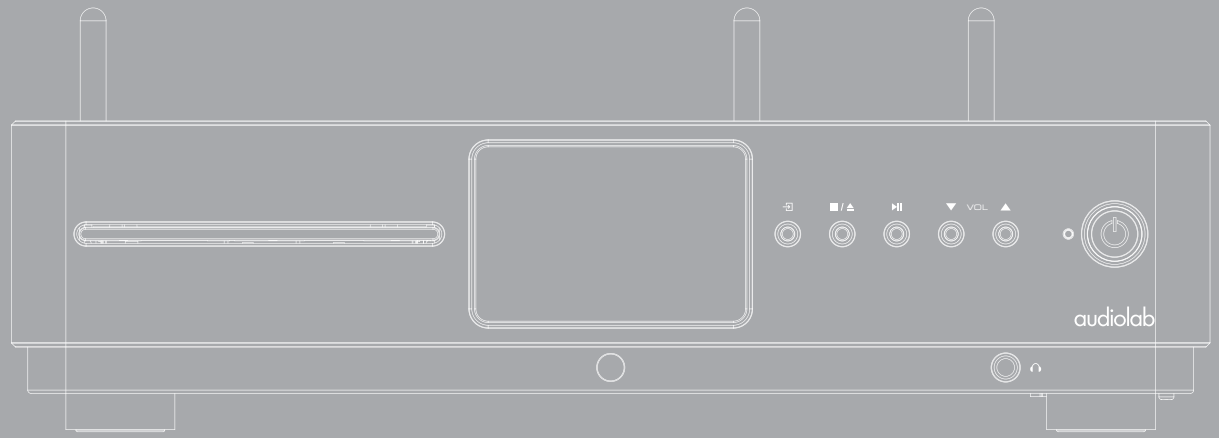
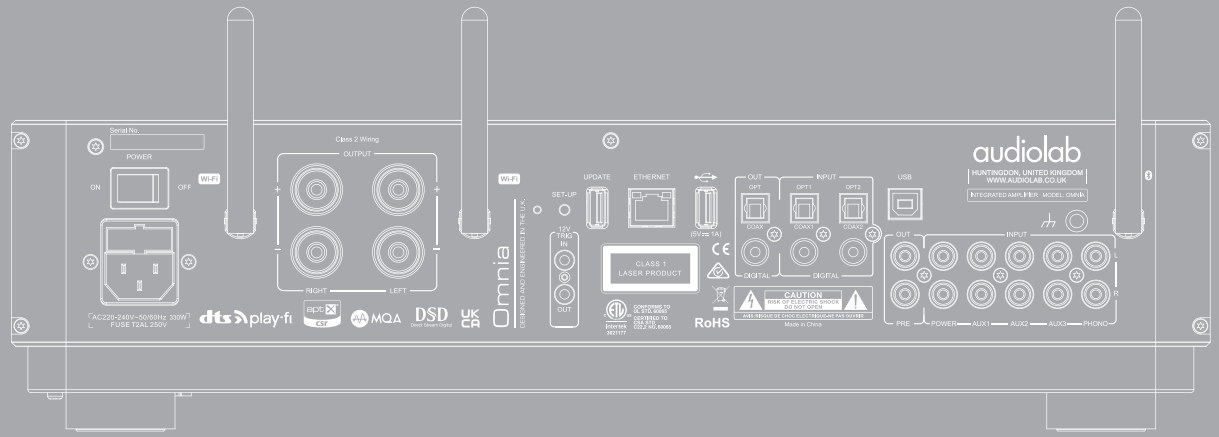
3 YEAR WARRANTY

Scan the QR code using a smart-phone device,
for product warranty registration online.





Omnia
User Manual

audiolab

1: Important Safety Information

This lightning flash with an arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

Warning: To reduce the risk of electric shock, do not remove cover (or back) as there are no user-serviceable parts inside. Refer servicing to qualified personnel.
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.

Read these instructions.

Keep these instructions.

Heed all warnings.

Follow all instructions.

Do not use this apparatus near water.

Clean only with a dry cloth.

Do not block any ventilation openings. Install under the manufacturer’s instructions.

Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for the replacement of the obsolete outlet.

Protect the power cord from being stepped on or pinched, particularly at the plugs, convenience receptacles, and at the point where they exit from the apparatus.

Unplug this apparatus during lightning storms or when unused for long periods of time.

Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilt or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

CAUTION: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

Do not install this equipment in a confined or built-in space such as a bookcase or similar unit, and keep well ventilated in an open space. The ventilation should not be impeded by covering the ventilation openings with items such as newspaper, tablecloths, curtains etc.

WARNING: Only use attachments/accessories specified or provided by the manufacturer (such as the exclusive supply adapter, battery etc).

WARNING: Please refer to the information on the exterior panel of the enclosure for electrical and safety information before installing or operating the apparatus.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing and that objects filled with liquids, such as vases, shall not be placed on the apparatus.

WARNING: For the terminals marked with the symbol of “⚡” may be of sufficient magnitude to constitute a risk of electric shock. The external wiring connected to the terminals requires installation by an instructed person or the use of ready-made leads or cords.

Ground protection terminal.This product should be connected to a power outlet with ground protection.

Denmark: Apparatets stikprop skal tilsluttes en stikkontakt med jord, som giver forbindelse til stikproppens jord.

Finland: Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan.

Norway: Apparatet må tilkoples jordet stikkontakt.

Sweden: Apparaten skall anslutas till jordat uttag.

WARNING: No naked flame sources, such as lighted candles, should be placed on the apparatus.

WARNING: Attention should be drawn to environmental aspects of battery disposal.

WARNING: Use of the apparatus in tropical climates.

THE FUSE VALUES ARE:
220 – 240V (UK, China, etc.) T2.0AL 250V Slow Blow
100 – 120V (USA, Japan, etc.) T4.0AL 250V Slow Blow

1: Important Safety Information

CLASS 1
LASER PRODUCT

This label tells you that the unit contains a laser component. Opening the unit will expose the user to radiation from the laser. The apparatus with CLASS I construction shall be connected to a mains socket outlet with a protective earthing connection.

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roon TESTED

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

MQA

MQA (Master Quality Authenticated)
MQA 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 for more information. Omnia includes MQA technology, which enables you to playback MQA audio files and streams, delivering the sound of the original master recording.

MQA

The audiolab Omnia LED on screen glows green or blue to indicate that the unit is decoding and playing an MQA stream or file, and denotes provenance to ensure that the sound is identical to that of the source material. It glows blue to indicate it is playing an MQA Studio file, which has either been approved in the studio by the artist/producer or has been verified by the copyright owner.

2: Contents

audiolab Omnia

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3: Introduction

Introduction of Omnia

Welcome to the Audiolab Omnia - a ground-breaking, all-encompassing audio solution with an integrated amplifier, CD player, wireless streaming player, DAC, headphone amplifier and pre-amplifier - in one single unit!

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 smartphones, tablets or PCs as well as a NAS Drive. However, you want to stream your music, Audiolab's Omnia will deliver outstanding performance.

The Omnia features analogue and digital audio circuitry of the highest quality and has been designed by engineers who are passionate about the reproduction of music, and we hope you will enjoy its performance for many years to come.

Please read through this manual to obtain the very best performance from your Omnia.

Features

- CD playback
- Full DAC and preamp facilities
- High-performance phono pre-amp
- Analogue and digital source connectivity
- Bluetooth aptX receiver
- 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
- 800 x 480mm WVGA full view IPS LCD

Inputs

- Three analogue line-level inputs
- One phono input (MM)
- One power-amp input
- Two coaxial SPDIF digital inputs
- Two optical SPDIF digital inputs
- CD playback compatible with CD, CD-R, CD-RW discs
- USB 2.0 port for replaying stereo from a compatible host

Outputs

- Pre-amplifier output
- Loudspeaker output
- Headphone output

Unpacking the Equipment

The carton should contain:

- The Audiolab Omnia
- One IEC power cord suitable for your area
- One remote handset
- One instruction manual

Please note: The remote control requires 2 x AAA type batteries. Due to international shipping and courier regulations with Lithium-Ion batteries, the remote controller battery is not included in this package.

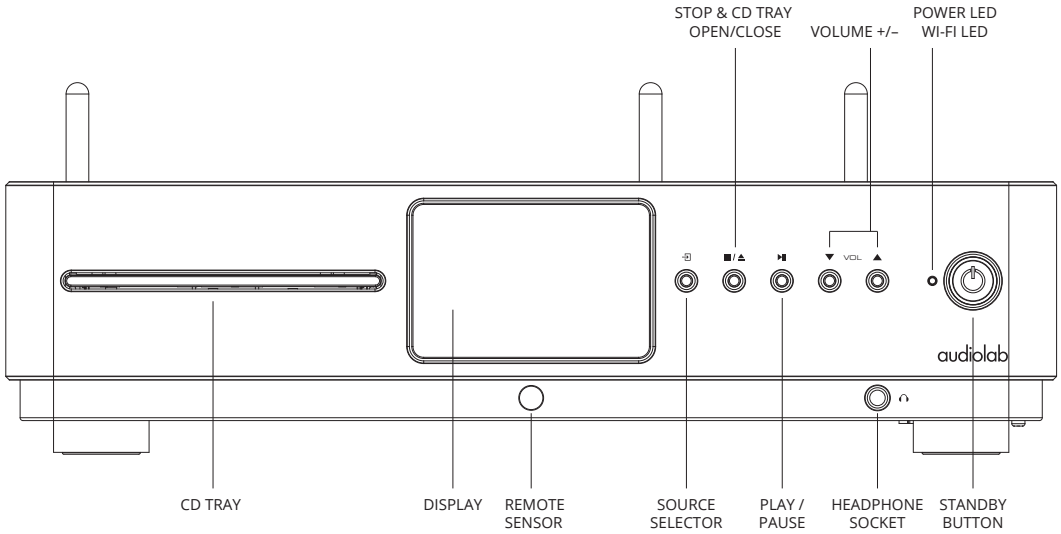
Consult the dealer from whom you purchased the equipment if any item is not present. Carefully unpack the unit and accessories. Take care not to damage the surface finish when undoing the protective polythene sleeve. Retain the packing materials for future use. Retain the user manual and information concerning the date and place of purchase of your equipment for future reference. If you transfer the unit to a third party, please pass on this instruction manual along with the equipment.

Placement

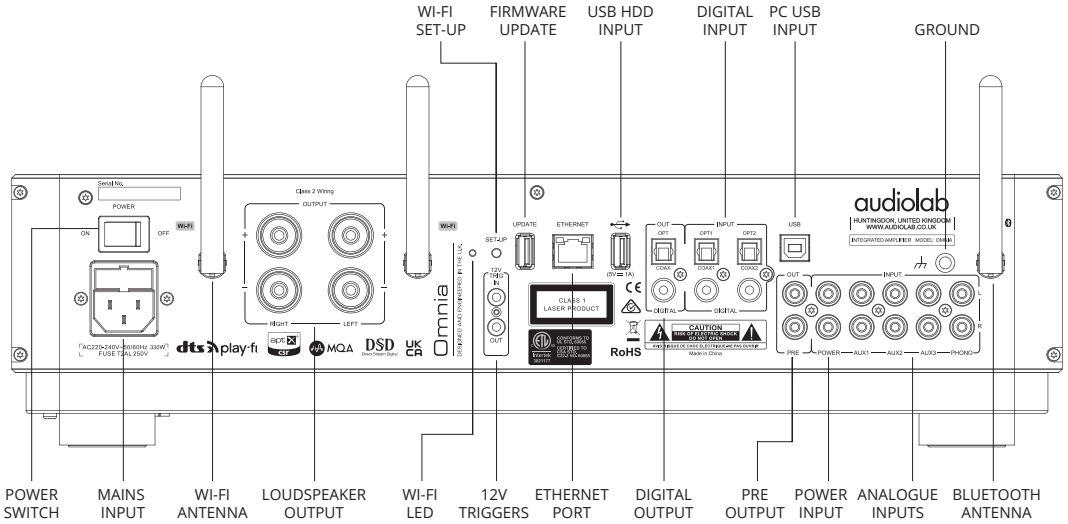
The unit must be mounted on a solid, level and stable surface.

Before you connect the Audiolab Omnia to the AC mains power, ensure your AC mains voltage corresponds to the rating on the rear panel of the product. If in doubt, consult your dealer. If you move to an area that has a different mains voltage, seek advice from an Audiolab appointed dealer or a competent service technician.

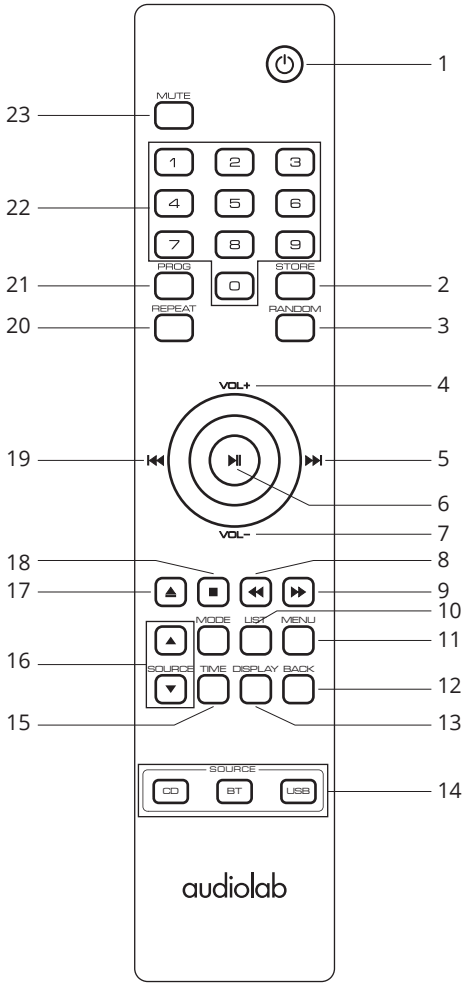
4: Controls and Functions



Device States	Wi-Fi LED States (red)	Power LED States
Standby Mode	Off	Dark red
Initialization Mode	Fast flash	Fast flash white
Standard Setting Mode	Slow breathe	Slow breathe white
WPS Mode	Double flash	Double flash
Network Connecting	Slow flash	Slow flash white
Wi-Fi Network Connection	Brightly lit	Bright white
Wired Network Connection	Off	Bright red



5: Remote Handset



1. STANDBY — Press to bring the unit in / out of standby
2. STORE — Press to store a track in program mode
3. RANDOM — Press to select random mode
4. VOL+ — Increase the volume / move to the previous option in menu settings
5. ⏭ — Move to the next track
6. ⏯ — Press to start / pause. Press to confirm setting selected in menu
7. VOL- — Decrease the volume / move to the next option in menu settings
8. ⏪ — Press and hold to fast reverse
9. ⏩ — Press and hold to fast forward
10. LIST — Press to enter playlist
11. MENU — Press to enter menu mode
12. BACK — Press to back
13. DISPLAY — Press to toggle the display options
14. CD/BT/USB — Press to select the inputs - CD / Bluetooth / USB HDD
15. TIME — Press to toggle single track time remaining or all tracks time remaining
16. SOURCE — Press to cycle source inputs. Press and hold to enter source selection
17. ⏏ — Press to eject / load the disc
18. ■ — Press to stop
19. ⏮ — Move to the previous track
20. REPEAT — Press to select the repeat mode
21. PROG — Press to program tracks of your choice
22. NUMBER KEYS — Press to go directly to a track by number
23. MUTE — Press to mute and unmute the sound

Fit the Batteries

Open the cover, unwrap the supplied AAA batteries and place them in the battery compartment with the polarity as shown, replace the cover.

Always use AAA batteries and replace them in sets – never mix up old and new batteries. Very weak batteries can leak and damage the handset. Replace them in good time!

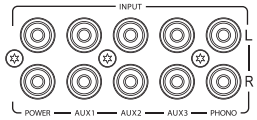
Note: there is a risk of fire and burns if a battery is handled improperly. Do not disassemble, crush, puncture, short the contacts or dispose of the batteries in fire or water. Do not attempt to open or service a battery. Discard used batteries in full accordance with recycling regulations in force in your area.

Handset Operation

Point the handset at the remote receiver and press the relevant key. The handset should be within 15 metres of the player and there must be a clear line of sight between the two units.

6: Connections

Analogue Inputs (Line Level)

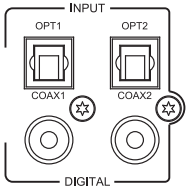


Connect your analogue sources to one of the three line-level inputs, AUX1, AUX2 or AUX3.

Phono Input (MM)

Connect your turntable (moving magnet cartridge) to the phono input. Connect the earth lead from your turntable (if available) to the ground terminal.

Coaxial Digital Inputs

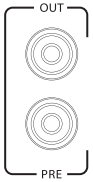


Connect your coaxial digital sources to either COAX1 or COAX2.

Optical Digital Inputs

Connect your optical digital sources to either OPT1 or OPT2.

Pre-Amplifier Output



Pre-amplifier output for driving external power amplifiers, subwoofers or signal processors.

Loudspeaker Terminals

One set of loudspeaker output terminals.

Headphone Output

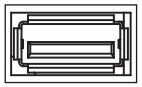
A stereo 6.3mm (1/4”) jack is provided on the front panel for connecting headphones. When headphones are connected the audio to the loudspeakers terminals will be cut off.

Bluetooth Connection

Select BT source on the Omnia, on your mobile device search for 'Audiolab Omnia BT' and connect.

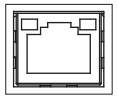
Once paired, the Bluetooth icon will appear on the Omnia display. If you switch to another input on the Omnia your mobile device will be disconnected after 60 seconds. To reconnect, select BT on the Omnia and it will connect to the last paired device, or select 'Audiolab Omnia BT' on your mobile device in the Bluetooth menu and it will reconnect.

USB Update



Put the update file into the USB drive, plug in the UPDATE USB interface, press the STANDBY button on the front panel then POWER ON, your Omnia will upgrade automatically. After the completion, unplug the USB drive and restart the device, now it can be used.

ETHERNET Port

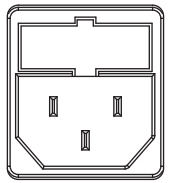


Use a suitable cable to plug the Ethernet Port into the LAN port of a wireless router for a wired connection. It is recommended to use a wired connection when playing high-resolution audio, which makes the playback more stable and smooth.

12V Trigger Connections

The Omnia features two 12V trigger connections, one output and one input. Use the output to control other products. Use the input when the Omnia is to be controlled. The trigger connections are made using "3.5 to 3.5mm" jack interconnects (not include).

Mains Input



Before connecting the AC power cord to the Omnia, please make sure the Power Switch is in the OFF position. Switch it to the ON position after connecting the unit to the AC mains.

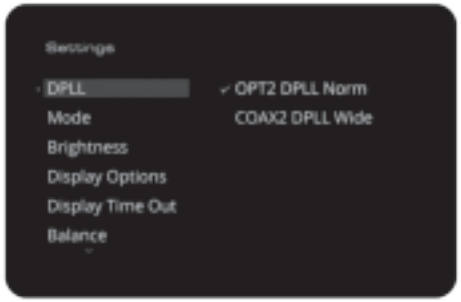
AC220-240V~50/60Hz 330W
FUSE T2AL 250V

7: Menu Options

DPLL

This setting is used for changing the bandwidth of the digital phase lock loop of the D/A converter to accommodate different levels of jitter on the incoming SPDIF signal.

Normal mode should be selected for signals with low jitter, while Wide mode should be selected for signals with abnormal jitter. For best audio quality leave this setting at the default value Normal, only use Wide for a given input if the system is having problems locking onto the source.

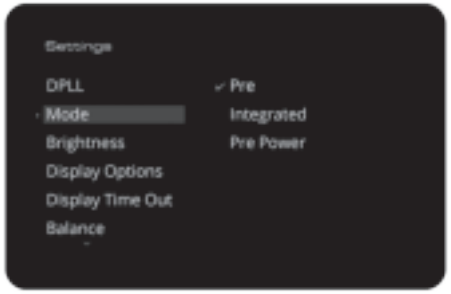


Mode

The operational mode can be selected here.
Pre: all signals to and from the power amplifier are disconnected. The Omnia will operate as a standalone pre-amp for use with external power amp or mono blocks.

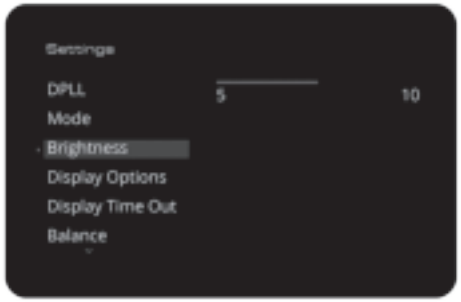
Integrated: all-in-one integrated amplifier operation

Pre Power: the pre-amplifier section is disconnected from the power amplifier, so if additional signal processing is required the pre-out can be connected to the external processer and signal returned to the Omnia's 'Power-IN' connection



Brightness

Adjust the brightness of the Omnia front panel display.



Display Options

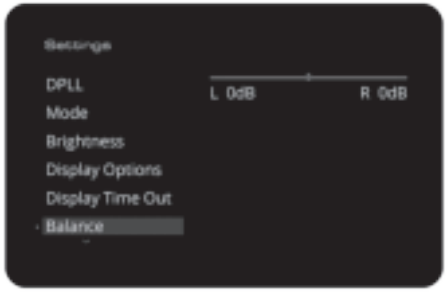
Access the various display options for the Omnia front panel display.

Display Time Out

Adjust the time at which the Omnia display will revert to your chosen display option, from the home screen, after performing track select / volume adjust and other operations.

Balance

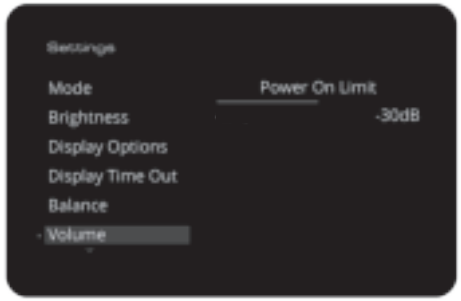
Adjust the Left and Right balance of the Omnia output stage.



7: Menu Options

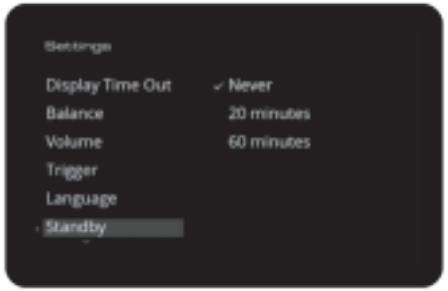
Volume/Power On Limit

Power On Limit sets the maximum out of standby volume level. When coming out of standby the volume will be set to the level used at the end of the previous session or to the Power On Limit value whichever is lowest. This will avoid a sudden loud signal at the beginning of a new session.



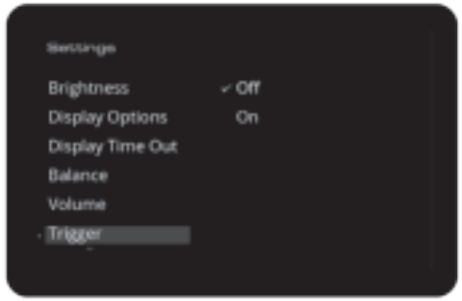
Standby

The auto standby feature will by default put the unit into standby after 20 minutes of inactivity. This feature can be configured and set to 20 minutes , 1 hour or Never.



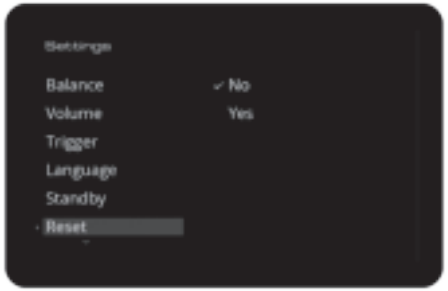
Trigger

Activate or deactivate the 12V trigger function of the Omnia.



Reset

Reset the Omnia to the factory default settings.



Language

There are multiple different languages you can choose from to display your system so you can view information in your preferred language. Default language is English.

Version

Check the current operation firmware version.

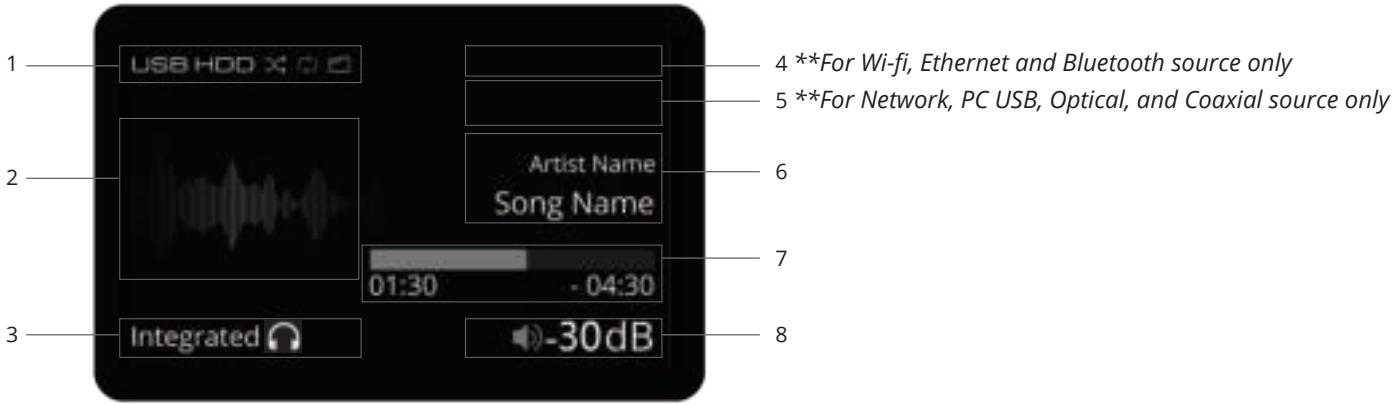
8: System Operations

Understanding the Omnia Playback Display

Switch on all source units before switching on power to the Omnia.

When switching on, the power LED illuminates.

When switching off, switch off the Omnia before the source units.



1. Current Playback Source	Network (Play-Fi), Bluetooth, CD, USB HDD, PC USB, Optical (OPT1, OPT2), Coaxial (COAX1, COAX2), Auxiliary (AUX1, AUX2, AUX3), Phono MM
	Random play
	Continuous play
	CD program play (for CD source only)
	Folder play (for USB HDD source only), long press the REPEAT button on the remote to enable/disable. Enable: All the files in the selected folder are played. Disable: All the files in all the folders are played.
2. Playback Indicator	Display, animation and streaming service logos will appear here, corresponding to your current playback source.
Current Streaming Service Selection (for Play-Fi platform)	Tidal, Qobuz, Deezer, Amazon Music, iHeartRadio, InternetRadio, KKBOX, Napster, Pandora, RADIO.COM, QQ Music, SiriusXM, Sound Machine, Spotify
3. Operation Mode	Pre, Power, Integrated
Headphone	On, off
4. Connection Type	Wi-fi, Ethernet, Bluetooth
5. MQA (Master Quality Authenticated)	The Omnia display LED glows green or blue to indicate that the unit is decoding and playing an MQA stream or file, and denotes provenance to ensure that the sound is identical to that of the source material. It glows blue to indicate it is playing an MQA Studio file, which has either been approved in the studio by the artist / producer or has been verified by the copyright owner. The Omnia LED glows magenta to indicate that the unit is rendering an MQA stream or file. This delivers the final unfold of the MQA.
PCM (Pulse Code Modulation) Audio Format	Sampling frequency. For the optical / coaxial source, the range is 44.1-192kHz. For the PC USB source, the range is 44.1-768kHz / DSD64, DSD128, DSD256, DSD512
6. Now Playing Song Information	Shows artist name and song name, if available
7. Playback Duration	Played and elapsed duration
8. Volume Control	Un / mute, and in / decrease the volume

8: System Operations

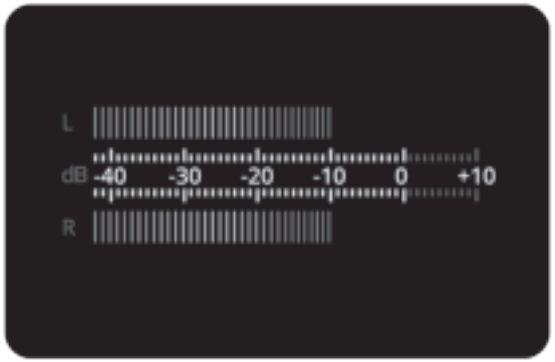
Alternative Display Options

The Audiolab Omnia has an intelligent and versatile display. You can access the display options via the menu function. Press the MENU on the remote control to enter menu mode, or long-press the SOURCE button on the front panel of the device.

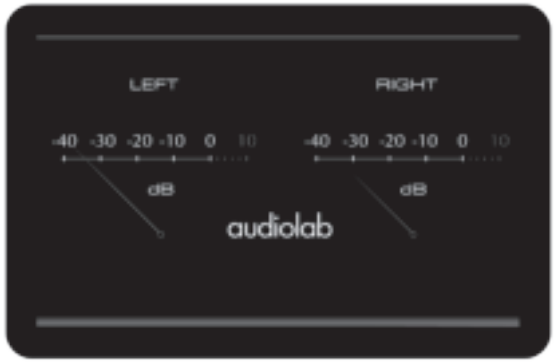
Navigate to 'Display Options' via the menu options (use the Vol +/- buttons on the remote or front panel of the device for navigation). Choose and confirm by " ⏯ " on the remote control or front panel of the device.

Or you can just press the DISPLAY on the remote control to cycle the display options.

Here, you will have access to the following display options:



VU Digital



VU Analogue

Audiolab

Display Off

8: System Operations

Switching On & Off

Switch on all source units before switching on power to the Omnia. When switching on: the power LED illuminates. When switching off: switch off the Omnia before the source units.

Standby Mode

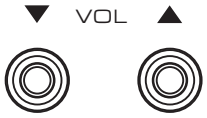
The Omnia will enter standby mode after being powered on. Press the “Standby” button to bring the Omnia out of standby, the power indicator LED becomes brighter and the display shows the “Omnia” welcome screen while the unit is getting ready for operation.

Source Select

Press the button on the front panel or use the source keys on the remote handset to select different source inputs. In addition, you can press and hold the on the front panel to enter the channel selection page, select a channel via the ▼or▲ button, and press the button to confirm.

Volume Control

Press the▼and ▲ buttons on the front panel, or use the volume up / down keys on the remote control, to set the volume level. The range is -78dB to +8dB, the factory default volume setting is -30dB. When coming out of standby the Omnia will be set to the previously used volume setting, except if louder than -30dB, in which case the volume will default to -30dB.



See also page 10 for Power On Limit feature.

Mute

Press the MUTE key on the remote handset to mute / un-mute the sound.

Display Setting

Press the DISPLAY key on the remote control, or select the Display Option in the menu to have the different display modes; VU Digital, VU Analogue, Audiolab and Display Off. When the display is off, press any key to turn on the display. The display will be off again after about 5 seconds, by default. You can change the duration to 10, 15 and 30 seconds from the Display Time Out in the menu.

Operating Mode

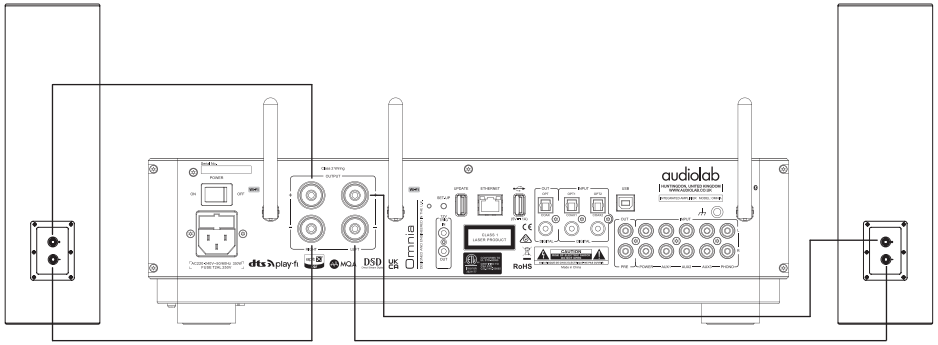
Although the Omnia is an integrated amplifier it can function as a separate pre and power amplifier. Press the MODE key on the remote control to select different operating modes.

MODE	POWER AMP IN	PRE OUT	HEADPHONE OUT	LOUDSPEAKERS
PRE	DISABLE	ACTIVE	ACTIVE	DISABLE
PRE POWER	ACTIVE	ACTIVE	ACTIVE	ACTIVE
INTEGRATED	DISABLE	ACTIVE	ACTIVE	ACTIVE

8: System Operations

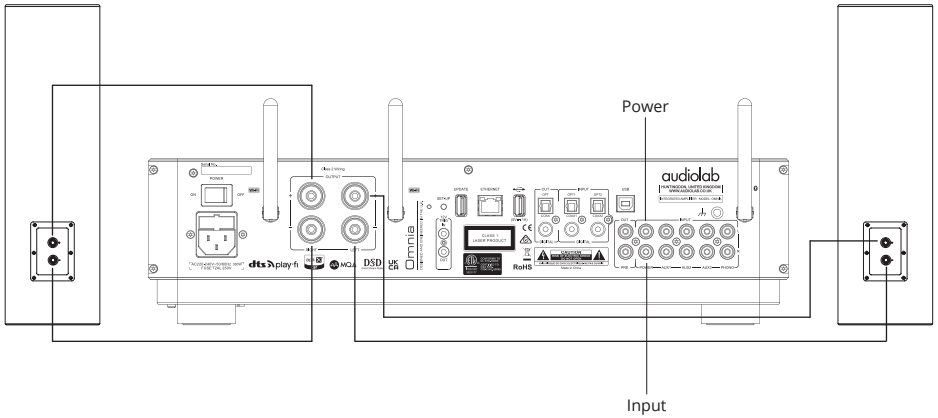
Integrated Mode

The pre-amplifier section is internally connected to the power amplifier, pre-amplifier output is also operational in this mode. A second power amplifier can be connected for bi-amplification as shown in the diagram.



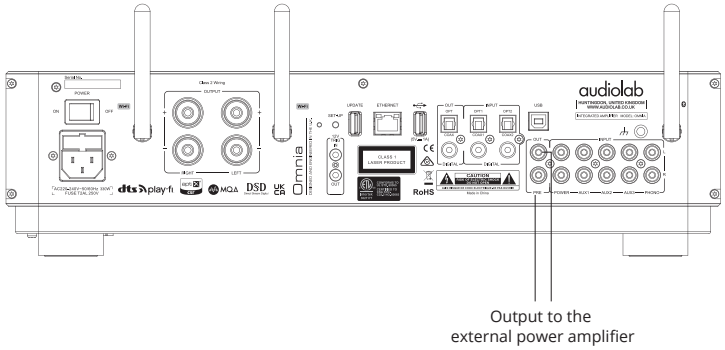
Pre-power Mode

The pre-amplifier section is internally disconnected from the power amplifier. The Omnia can be used as a stand-alone power amplifier (ie. part of an AV setup). This mode can also be used if additional signal processing is required, connecting the pre-out to an external signal processor and then take the output from the processor to the Omnia Power-IN.



Pre-Mode

All signals to and from the power amplifier of the Omnia are disconnected. In this mode, the Omnia functions as a stand-alone pre-amplifier. The pre-amplifier section of the Omnia can be connected to a stereo power amplifier, or two mono-block amplifiers.



8: System Operations

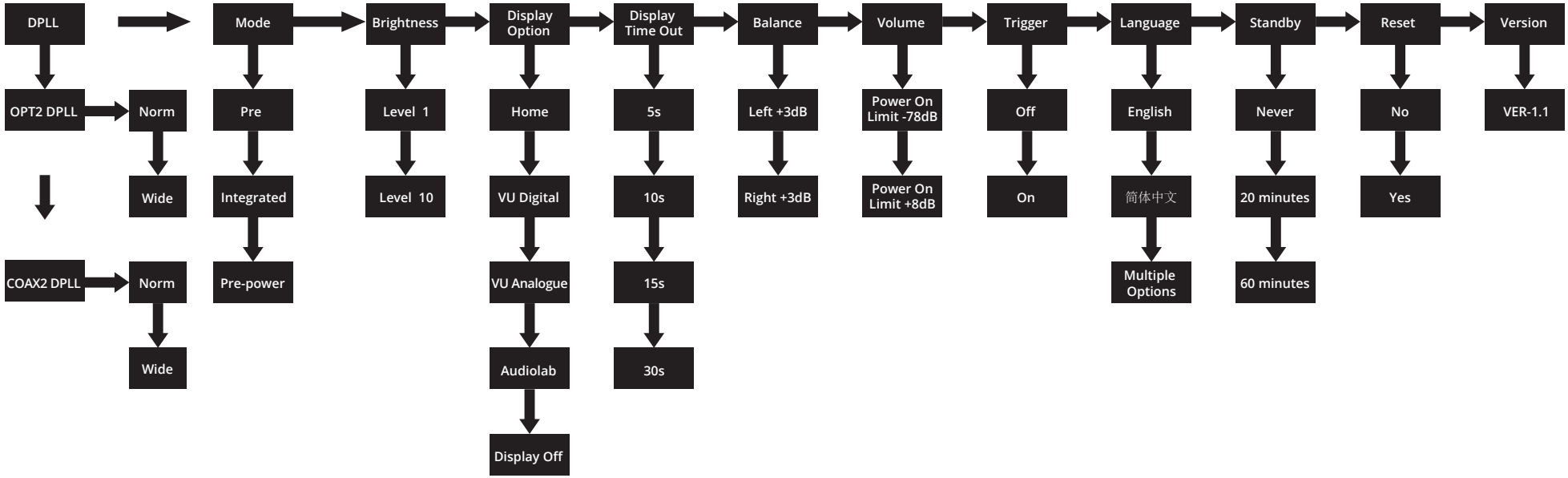
The Menu

The menu enables you to customise the unit and optimise the interface with other equipment in your system.

Omnia has 12 different menu pages. Press the MENU key on the remote to enter menu mode, and then press VOL- or VOL+ to turn to different setting, press ■ / ⏏ to the sub-menu.

You can also long-press the SOURCE button (3 seconds) on the front panel to enter the menu, then press VOL- or VOL+ to navigate the different setting menu. Press ⏯ to the sub-menu. Press ⏯ again to confirm the setting, or long-press ⏯ to return.

The Menu Tree



9: DTS Play-Fi®

DTS® Play-Fi® Features

With DTS® Play-Fi® technology, stream your favourite music and content with astounding audio quality, from every device that you own. All DTS Play-Fi enabled products are seamlessly interoperable, so you can find the perfect speaker, A/V component, or TV for every room of your home, and control them all with only one app.

ANY OPERATING SYSTEM

Wi-Fi TECHNOLOGY DTS Play-Fi streams audio over standard Wi-Fi networks delivering perfectly synced audio with no lag and zero loss in sound quality.

MULTI-ROOM

Enjoy music in every room of your house - all at once, perfectly synchronised, with no lag. You're in control.

EASY SETUP

No logins, no complicated computer-based setups. Just download the app and within minutes, you're ready to listen.

HIGH-RESOLUTION AUDIO

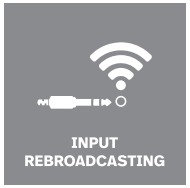
With Critical Listening Mode from DTS Play-Fi, steam lossless audio at resolutions up to 24-bit/192kHz.

WIRELESS SURROUND SOUND

Surround yourself with sound, not wires. Create a wireless immersive home theatre experience by connecting any DTS Play-Fi enabled speakers.

PORTABLE LISTENING

Listen over headphones by steaming to a mobile device.



INPUT REBROADCASTING

Stream any audio source, such as a TV or Record Player, connected to the device's input.

A / V SYNC

Maintain A/C lip sync from video sources across all your speakers.

For DTS patents, see http://patents.dts.com. Manufactured under license from DTS Licensing Limited. DTS, Play-Fi, the Symbol, and Play-Fi together in combination with the Symbol are trademarks of DTS, Inc. DTS and Play-Fi are registered trademarks of DTS, Inc. © DTS, Inc. All Rights Reserved.

10: DTS Play-Fi®

Download the DTS Play-Fi APP

The DTS Play-Fi APP can be downloaded from the Google Play Store, Amazon APP Market or Apple App Store. For Windows PC you can download the Play-Fi Windows APP from the official website: https//play-fi.com

ANDROID APP ON Google play

amazon apps Available on kindle fire

Download on the App Store

For Windows PC

Wired Network Setting

Connect the Ethernet port to the LAN port of the router using a suitable cable. After switching on the Omnia, the white LED on the front panel and red Wi-Fi LED on the rear panel will fast-flash during the initialise phase of Wi-Fi mode. The LED indicator change from white to red on the front panel and slow-flash when the device is connected to the wired network connection. If the connection is successful, the red Wi-Fi LED will turn off, and the red LED on the front panel stays lit.

Wireless Network Setting

You can connect to a wireless network by two modes: WPS mode or standard mode.

WPS mode:
To make the Omnia enter WPS mode, switch the unit on and long-press the Wi-Fi setup button on the rear panel for 4 seconds. The Wi-Fi LED will double-flash and beep with a warning tone indicating that WPS mode is active. Then briefly press the WPS key on your wireless router and the unit should connect to your wireless network automatically. This connection phase may take up to 60 seconds. If the connection fails, please try again.

Standard mode:
After switching the Omnia on, long-press the Wi-Fi setup button on the rear panel for 8 seconds. In the first 4 seconds, the Wi-Fi LED will double-flash and beep with a warning tone, keep holding the button down and after 8 seconds the Wi-Fi LED will flash quickly and also beep with a warning tone. The standard connection mode is now active and the Wi-Fi hotspot will be available after 20 seconds. Then the Wi-Fi LED will flash-breathe with a slow fluctuation between off and on (reflected by the white LED on the front panel). You can now use your Android or IOS device to enter the Wi-Fi password using the Play-Fi APP as follows.

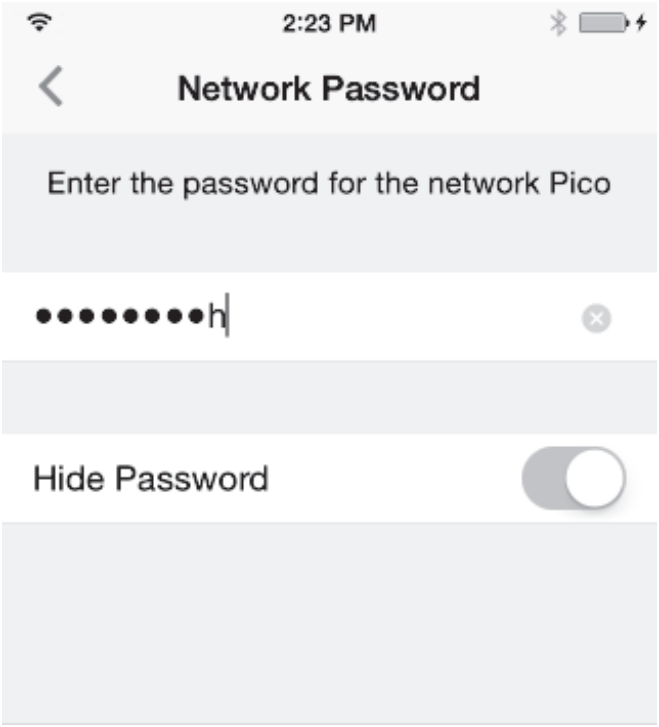
11: Wi-Fi Connection Setup

For Play-Fi APP users (iOS and Android):

(1) Download one of the free Play-Fi APPs from the Google Play store, Amazon App marketplace, or Apple App Store, or download the Play-Fi Windows PC software.

(2) Before opening the APP please switch to the Settings - Wi-Fi menu on your smartphone or tablet and select 'PlayFiXDeviceXXXXXX' from the options.

(3) Open the Play-Fi APP and find the Omnia Device. Select it and enter your wireless network password.



(4) During installation, the APP will find and upgrade the Omnia Play-Fi settings which may take a few minutes.

(5) After completing the network setup and upgrading you can set a name for the Omnia Device and use it.

12: Wi-Fi Connection Setup

If you cannot connect to a network by DTS Play-Fi APP, or you need to do some high-level option such as setting the static IP configuration, you can set up the Omnia by a web browser from your Windows PC or Mac.

Set the Omnia to Standard mode, and follow the steps below:

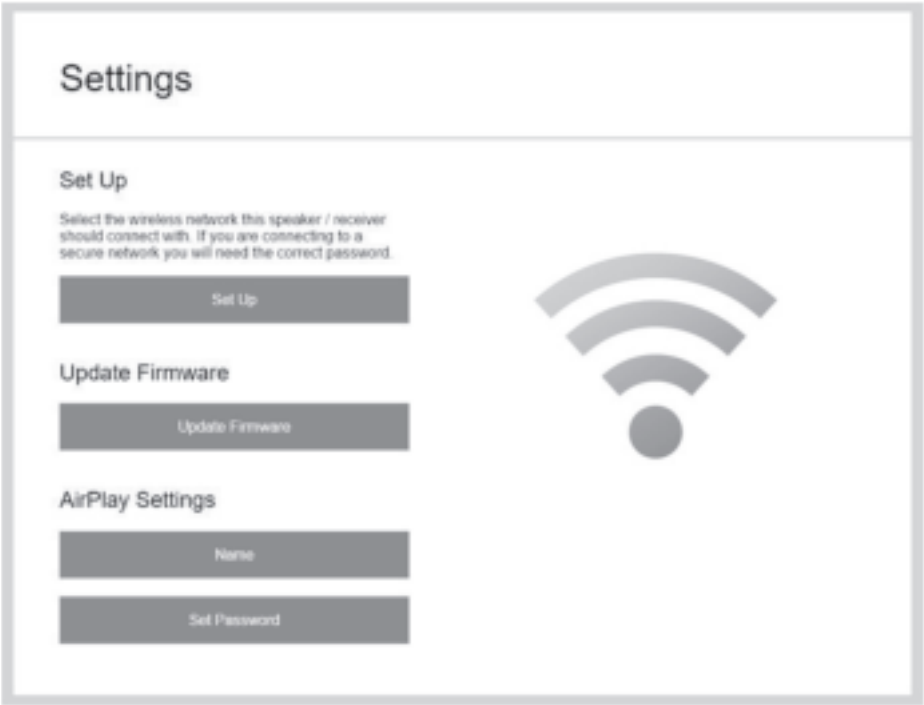
(1) Connect your computer to the wireless Wi-Fi of the Omnia (it will show PlayFiDeviceXXXXXX or a similar name). After connecting your computer may show 'No-network connection' – this is normal.

(2) Open your Internet browser and type: 192.168.0.1/index.html in the address bar.

(3) Click the Enter key or click the 'continue' option in your Internet browser.

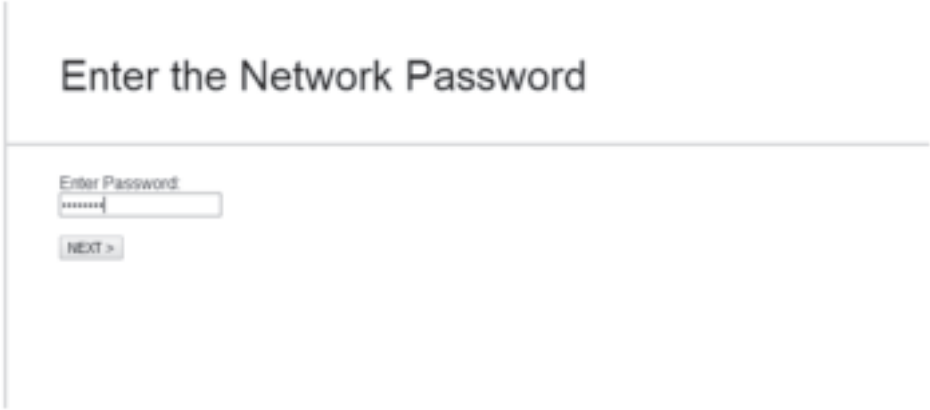
(4) This will open the Play-Fi configuration.

(5) Select the 'Set Up' button.



(6) Select your wireless router Wi-Fi network.

(7) Enter the password of your wireless network. Click the 'NEXT' button.



(8) You can name your Omnia device then click 'NEXT'. The Wi-Fi connection will be done.

13: Playing Operations

Play the CD

Press the remote control or panel ■/⏏ button to load/exit the disc.

Press the ⏯ to play / pause the CD.

Press the ■ / ⏏ to stop playing the CD, and then press again to exit the disc.

Press the ⏮ ⏭ to play the same / next song.

Press and hold the ◀◀ ▶▶ to fast reverse / fast forward search.

Play the Selected Track from Remote Control

Select the track to be played by pressing the numeric keypad from the remote control. If there are ten, or more than ten tracks (two digits) in the CD, the player will pause for a while after you press the first digit, prompting for the second digit. If no action is taken, the player will go for the first digit selected. If the selection is invalid, the display will revert to the previous state.

Repeat Playing

Press the Repeat key on the handset to repeat a single track or all the tracks on the disc continuously. The ⟲ or ⟲ on the display will turn red.

Random Playing

Press the remote control RANDOM button to choose track random play. The ⤮ on the display will turn red.

Programmed Play

You could set a play programming above 99 songs. Programming mode can only be handled without music playing.

First, enter the programming mode by pressing remote control PROG button. Press the needed track then press STORE to save the selected track.

Press ⏯ button to play the programmed track.

Press ■/⏏ button to stop playing the programmed track.

When played in the procedure, it will enter to stop mode by pressing the stop button then you can go through the programmed track by pressing the “PROG” button.

Now you can go on to add the new track or move the cursor to the corresponding track and add this track by pressing the "STORE" button.

Press the ■/⏏ button two times to exit the programming mode.

Play from USB Memory Device

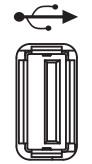
Play music saved on the USB device.

USB memory device only conformed to high capacity store level standard can be played in this machine.

The machine is compatible with USB devices like “FAT16” and “FAT32” formatted.

The machine can play music with WMA, MP3, WAV and AAC formatted.

Play Operation



Plug USB memory device to the rear panel USB port

Choose USB play by pressing the ⇥ button of remote control or front panel. The machine will automatically play music from the USB.

⏯ Play/Pause by pressing the button on the remote control or front panel.

⏮ ⏭ Short press from remote control to select the previous / next song.

◀◀ ▶▶ Press and hold from remote control to select the fast reverse / fast forward playing.

13: Playing Operations

Compatible Formats

	Sampling Frequency	Bit Rate	Bit Length	Extension
WMA	32/44.1/48kHz	32~320kbps	-	.wma
MP3	32/44.1/48kHz	32~320kbps	-	.mp3
WAV	32/44.1/48kHz	-	16bit	.wav
AAC	32/44.1/48kHz	32~320kbps	-	.m4a

USB compatible file systems FAT16 or FAT32.

If the USB memory device is divided into multiple partitions, only the top drive can be selected.

Maximum number of playable files and folders

Maximum number of files: 65,535

Maximum number of folders: 700

USB port 5V 1A mains output is used for supplying power to the USB memory device. It is not suggested to charge the mobile phone or other devices.

Playing PC USB Input

USB DRIVERS

To download Windows Drivers, please see the separate manual. Any firmware updates will also be available from www.audiolab.co.uk

Connect your computer to Omnia via USB cable (type-A to type-B), change the Play mode to USB input using the handset or the button on the front panel.

"No Input Signal" will be displayed if there is no input signal to the USB input. When you play a file the digital inputs will lock onto the digital signal as soon as there is an input signal for USB. The display screen will then indicate the presence of an “Input Active” and show the output sampling frequency of the music file on your computer.

14: APP Operations

Device Selection

The DTS Play-Fi APP allows you to control and direct streaming music to a variety of devices throughout your home that use the DTS Play-Fi system. You can set each device to have a unique name. You can also group devices into an area, where each device will play the same music. To select a device and area using the APP, click the '+' icon on the upper right corner of the APP display. Select an area to add, then select a device on which to play the music. If you wish to play high-resolution audio files, the icon 'Hi-Res AUDIO' should be selected.

Music Services

DTS Play-Fi supports the world's most popular and exciting streaming music services, so you can enjoy your favorites at home just as easily as you do in the gym. See below for more information of streaming music service platforms. Please feel free to choose one you like. (Note: some streaming music service platforms probably need to be registered.)

Amazon Music

Amazon Prime members can use Amazon's popular music service for free. A growing selection of over 2 million songs is always ad-free and on-demand, with curated playlists, personalized stations and unlimited skips. Upgrade to Prime Music Unlimited, and enjoy 10 million songs, weekly new releases, and more.

Deezer

With 43 million tracks, 100 million playlists, and a presence in 182 countries, Deezer literally covers the globe for its subscribers. Subscriptions start at $9.99/month, and include ad-free playback and more.

iHeartRadio

iHeartRadio combines access to over 1,500 of the most popular live terrestrial and internet radio stations with unique live events and compelling custom features, like artist radio, personalized radio, and on-demand podcasts for FREE. Their new Plus and All-Access subscriptions allow you to pause, rewind, skip and save live radio content, stream on-demand music, and more.

Internet Radio

DTS Play-Fi has a built-in Internet Radio service that gives you access to thousands of radio stations and podcasts from around the globe. Instantly see your local favorites, or tune into the BBC, ESPN, Radio Disney, the Wall Street Journal, and more. Browsing is a snap, and if you find a station you love, just give it a star and it will be ready to stream whenever you are. Free, no subscription required.

Juke

With more than 20 million tracks and a dedicated base of music fans, Juke's streaming service includes popular features like on-the-go playlists, new music discovery, and ad-free listening. DTS Play-Fi is the only multi-room audio platform to offer the Juke service.

KKBox

KKBox is Asia's leading streaming music service, with over 30 million tracks from 500 local and major labels, and the most comprehensive collection of Asia-Pop in the world. Featuring both free and premium options, the service also includes mood-based programming and supple - mental content including music news, videos, concert updates and more.

On Device Music

DTS Play-Fi puts your mobile music collection at your fingertips, automatically finding and indexing the songs Stored on your device. You can browse and stream by album, artist or genre, and even use your existing playlists. DTS Play-Fi supports local files in multiple formats, from MP3 all the way up to premium CD and lossless quality encoding. Free, with no subscription required.

14: APP Operations

Media Server

Got a hard drive full of music? Avid digital collectors can access and stream from media servers using DTS Play-Fi. The system automatically discovers and indexes music from DLNA and UPnP servers on your network. You can select and stream files in multiple formats via DTSPlay-Fi, including premium tracks encoded at CD quality or even 24-bit/192kHz lossless content. No subscription required.

Napster

Napster integrates the heritage of streaming market pioneer Rhapsody into its premium, ad-free on-demand service. With 30 million tracks, instant playlist creation, and anytime, anywhere access, Napster is justifiably popular on multiple continents with millions of subscribers.

Pandora

Listen free to music you'll love, as Pandora's streaming service evolves with your tastes. Give songs a thumbs up or down, and your stations become more personal the more you listen. Enjoy the service at no charge with ads, upgrade to Pandora Plus for commercial-free stream- ing, or try Pandora Premium to add on-demand features and premium sound quality to your experience.

Qobuz

Based in France, Qobuz was founded and built around a premium audio quality experience. It boasts 70,000 albums available for streaming at 24/192, with many more streaming at 16/44 CD quality. The service also features in-depth artist profiles and editorial content.

QQMusic

China's largest music streaming service offers tens of millions of tracks and thousands of radio stations to its 400 million monthly active users. With free and premium tiers, and both local and international content, QQ Music is a dominant force in music listening in China.

SiriusXM

With over 150 channels of commercial-free music plus sports, talk, comedy, entertainment, news and more, it's no wonder that Sirius XM is one of the most widely used premium streaming services in North America. It's a snap to go from listening in your car to listening at home with DTS Play-Fi.

SoundMachine

Business never sounded so good! Whether it's in an office of restaurant, a retailer or a hotel, background music enhances both the customer and the employee experience. Hundreds of stations and millions of songs, including the ability to create artist stations, so you can design the perfect sound for your brand. Fully licensed for business environments.

Spotify

Their motto is "Music for Everyone", and with millions of listeners around the globe, Spotify seems to be onto something. Create and share playlists, or choose from thousands of curated collections. Spotify Premium subscribers can stream directly to any DTS Play-Fi enabled speaker directly from the Spotify App. Available in the US and more than 50 other countries. The Spotify Software is subject to third party licenses found here:
www.spotify.com/connect/third-party-licenses.
Use your phone, tablet or computer as a remote control for Spotify. Go to spotify.com/connect to learn how.

Tidal

High Fidelity Music Streaming is Tidal's hallmark. Every track on the service streams in premium audio format, with most in lossless CD quality or above. The service also boasts many exclusive new releases, artist-curated stations and in-depth features designed to complement the music offerings. Available to DTS Play-Fi users in the US and more than 50 other countries.

In addition to the support listed above, it also supports music services such as BBC, ESPN RADIO, HD tracks, NPR, tunein and so on, and there will be more music platforms involved in the devel-opment.

DISCLAIMER: Not all music services are available in all regions and countries.

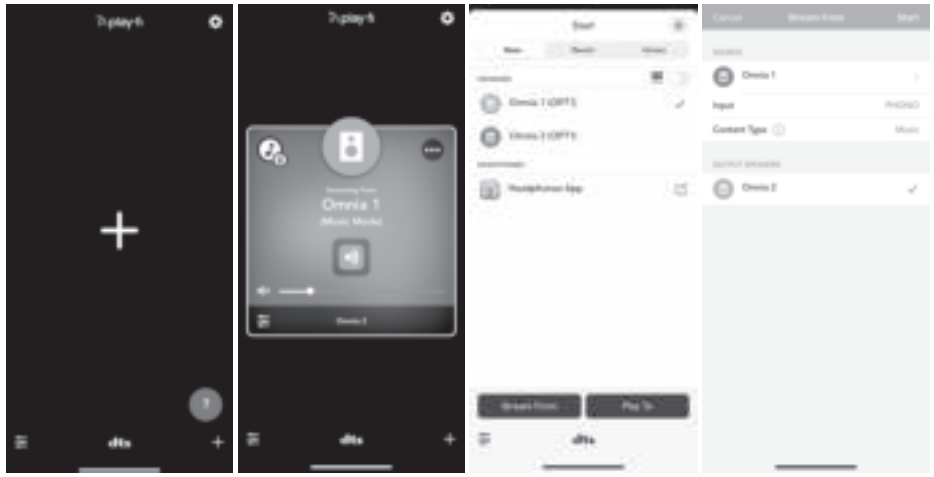
14: APP Operations

Line In Mode

The Omnia supports wireless broadcasting of any of your music source inputs to other DTS Play-Fi audio solutions on your network. For instance, you can stream the turntable input from your Omnia to other DTS Play-Fi wireless speakers or streamers via the app. Perfect for a multi-room home audio solution.

To activate this mode simply click the icon '+' at the centre of the top right corner of the DTS Play-Fi App, select “Stream From”, then select the source unit, source channel and music genre. Finally, select the second audio output device to which you wish to broadcast and click “Start Line In Broadcast” to play.

Note: there should be at least 2 or more than 2 units of DTS Play-Fi system supporting to use this function. The broadcast mode can support all the input channels except the Bluetooth functionality.

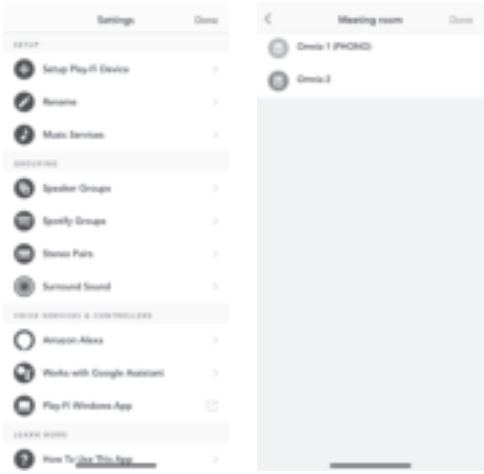


Speakers Group

To stream music from Omnia to multi-room devices such as other Omnia units, audiolab 6000N PLAY, 6000A PLAY or other DTS Play-Fi Speakers, open the DTS Play-Fi APP, find the device or speaker, give it a name and then add it.

To delete the device or speaker, just click on the right side of the device name and then delete.

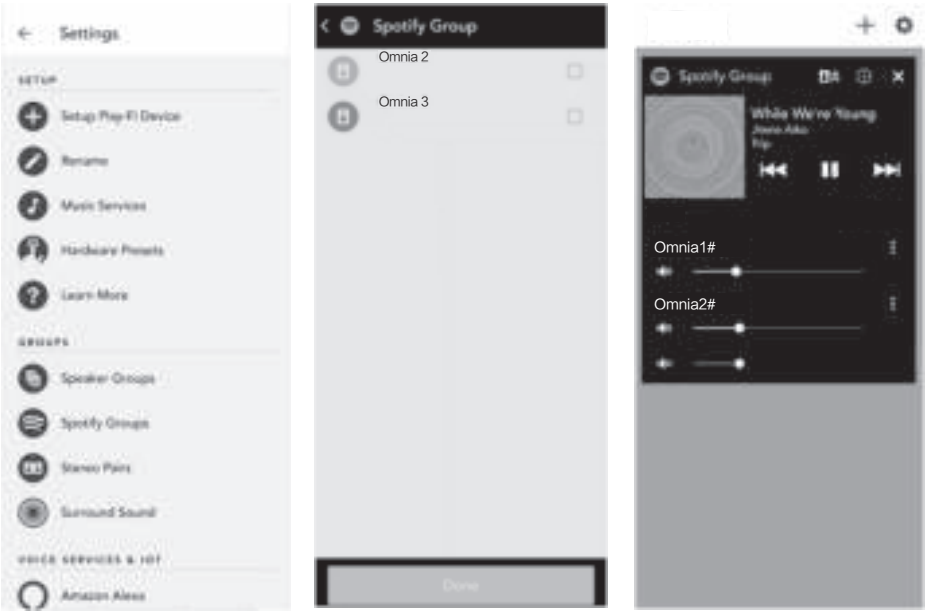
Due to wireless network bandwidth requirements, it is not recommended to wirelessly stream Hi-Res audio to multiple devices on yout DTS Play-Fi network. For stable, uninterrupted playback, standard resolution is recommneded or Ethernet connection to the network (for each device).



14: APP Operations

Spotify Group Setup

Open the Setup of the DTS Play-Fi app and click the Spotify Group. Create a new group and name for it, then select any Play-Fi products you want to add into this group (on the right side). Any speakers that can't be added to the Spotify Group will show in grey. Any speakers that can't be joined to a Spotify Group will be greyed out. Once you're satisfied, head to the Spotify app to start streaming.



Surround Sound

So far, Omnia cannot support Play-Fi Surround. For common problems in utilization and fault diagnosis, you can open the APP settings to find the 'Fault diagnosis', then enter the DTS Play-Fi website knowledge base which has the detailed information.

Update System

If there is an update available, click 'Update System' and the process will carry on automatically. Click 'About', you can see the DTS Play-Fi's APP version and the status of network connection, IP address and versions of the module software and MCU. For 'Advanced Settings' you can choose from various options – the default mode is recommended.

DTS Play-Fi Windows Application

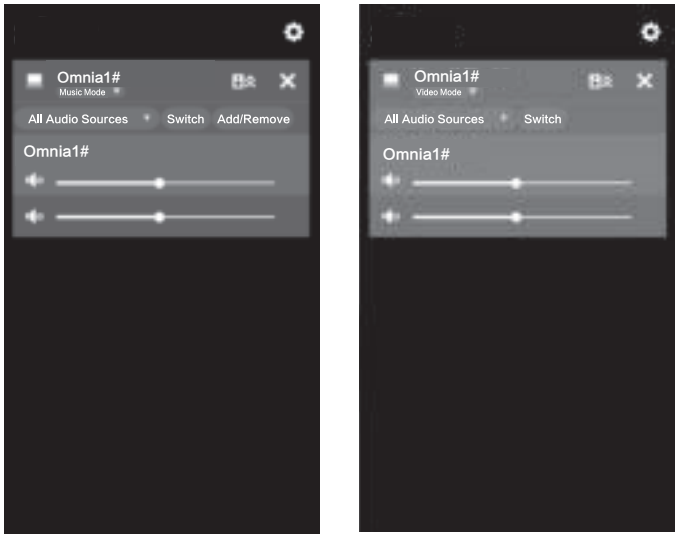
With your PC running Windows 7, 8, 8.1 or 10, the DTS Play-Fi Windows app allows you to stream from any source on your PC (apps, services or Web based) including Spotify, Google Play, iTunes, XBox Live and more.

Music mode: the free version of the Windows app defaults to Music mode, then select the Omnia to play.

Video mode: allows you to sync the audio from any video, whether from a movie file or YouTube, to any one Play-Fi devices on your network.

To use Video mode upgrade your app to the Play-Fi HD version. Click the option 'Video mode' then select the device to play.

Play-Fi HD is the only Wi-Fi streaming solution to include advanced codecs and proprietary QoS (Quality of Service) technology. That means audio is delivered with astonishing accuracy, even in the busiest network conditions.



15: Warranty Coverage

Audiolab warrants its products, subject to the following terms and conditions below, to be free from defects in materials and workmanship.

Online Registration

3 YEAR WARRANTY

audiolab

Scan the QR code using a smart-phone device, for product warranty registration online.

The three (3) year extended warranty is applicable to items purchased from Jan 1st 2021, onwards. Items purchased prior to this date are not eligible for this extended warranty service but are subject to statutory warranty claims and all applicable consumer rights.

To qualify for the extended 3 year warranty, you must register your product within ninety (90) calendar days from the date of purchase. Visit *audiolab.co.uk/warranty-registration* to complete your online registration. Items not registered online will have a Limited Warranty for one (1) year, or for the period of your country's statutory warranty, whichever is longer.

Warranty can only be offered to products registered with proof of purchase with date, model and details of the authorised dealer clearly stated on the receipt/invoice. Please keep the original receipt/invoice in case it is required for a warranty claim.

This Limited Warranty is non-transferable and is offered exclusively to the original owner.

This Limited Warranty is valid only in the original country of purchase.

Repairs or replacements are provided under this warranty are the exclusive remedy of the consumer. Audiolab shall not be liable for any incidental or consequential damages for breach of any expenses or implied warranty with any product. Except to the extent prohibited by law, this warranty is exclusive and in lieu of all other warranties whatsoever, both expressed and implied, including but not limited to the warrant of merchantability and fitness for practical purpose.

This warranty provides benefits that are additional to and do not affect your statutory consumer rights.

This Limited Warranty offer is subject to correct information being submitted in your application. Incorrect dates or mismatched purchase receipt dates that are outside of the warranty terms will immediately invalidate any warranty claim.

*Please check with your dealer local distributor for further information.

Exclusions

The following items are excluded from the Audiolab warranty:

Normal wear and tear and cosmetic damage (including but not limited to any wear from reasonable use, environmental deterioration or neglect)

Products on which the serial number has been removed, altered or otherwise made illegible.

Products not purchased from an authorised Audiolab dealer.

Products that were not new at the time of original purchase.

Products sold 'as is', 'as seen' or 'with faults'

Product not purchased from an Authorised Dealer/Distributor within the region of the claim (ie parallel imports or grey market products)

Accidental damage or faults caused by commercial use, acts of God, incorrect installation, incorrect connection, incorrect packaging, misuse or careless operation or handling which is not in accordance with the user instructions.

Equipment that has been operated in conjunction with unsuitable, inappropriate or faulty apparatus.

Repairs, alterations or modifications carried out by parties other than Audiolab or its authorised service partners.

Damage in transit that cannot be attributable to the fault of Audiolab, the authorised distributor or dealer (ie. claims otherwise covered by transit insurance.)

Faults relating to abnormal or inappropriate power supply voltage or power surges.

Faults relating to extremities in temperature, exposure to heat, water or other liquids, insects, excessive moisture, sand, chemicals, battery leakage or any other contaminants.

Any force majeure events, including but not limited to any acts of God, fire, lightning, typhoon, storm, earthquake, hurricane, natural disaster, tsunami, flood, war, riot, public disturbance.

Any other causes beyond the reasonable control of either Audiolab and its Authorised Distributor.

Please note items purchased before 1st Jan 2021 are not eligible for the extended warranty claim.

15: Warranty Coverage

How to claim

To obtain warranty service please contact the authorised dealer from which you purchased this product and present the limited warranty certificate offered upon registration of your product's extended warranty offer.

Do not dispatch goods without the prior agreement of the dealer distributor or authorised service centre.

If asked to return products for inspection and or repair, please pack carefully preferably in the original carton or packaging affording an equal degree of protection and returned via insured, trackable courier service.

The authorised dealer or distributor will offer full return details and instructions. However, please note if unsuitable packaging is used the warranty may be deemed void due to improper action in return.

Audiolab or the authorised distributor, dealer or service centre may make a charge for the supply of new packaging for the return of the repaired item. Please note, insurance is recommended as goods are returned at the owner's risk. Authorised distributors or service centres cannot be held liable for loss or damage in transit. insurance and freight charges on the return journey will be paid for by Audiolab, authorised dealer, distributor or service centre if corrective work proves to be necessary.

In the event of 'no-fault found' or 'no repair necessary', the return shipping charge will be the responsibility of the owner.

Repairs

All repairs will be carried out by the appointed distributor (or locally appointed service centre). Repairs handled or processed without authorisation or approval of the appointed representative will be excluded from this limited warranty. Please note, Audiolab is not able to supply parts or replacement items to any other entity than the offcial distributor or authorised service centre.

Other than the warranty and services set out in this warranty, to the fullest extent permitted by law, Audiolab shall not be liable to you and/or any third party or entity whatsoever for:

- Any loss, damages and/or malfunction caused to any product(s) which is/are connected to any of the products covered by this warranty.
- Any damages, loss and liability, whether direct, indirect, incidental, consequential special, punitive or otherwise, howsoever caused by, arising out of or otherwise, in relation to the installation, delivery, use, service, repair, replacement and/or maintenance of the product;
- Any damages, loss and liability under this warranty in respect of any act, omission, or negligence of any of their technicians, employees, agents, representatives or independent contractors relating to the actual or purported performance of any of the obligations under this warranty.

Service Centre Address

Should a fault occur with your loudspeakers, please pack it correctly, using the original packing, so you can ship it safely. Product for service should be returned to the appointed dealer from whom you purchased the product. If you experience difficulties or there is no Audiolab dealer in your area, contact the Audiolab distributor or the office below.

IAG Service Dept.
13/14 Glebe Road
Huntingdon
Cambridgeshire
PE29 7DL
UK

Tel: +44(0)1480 452561
Email: service@audiolab.co.uk

For information on other authorised service centres worldwide contact Audiolab International, UK.

A worldwide distributors list is available on the Audiolab website: www.audiolab.co.uk

16: Specifications

Model	Omnia
General Description	Integrated Amplifier
Design Philosophy and Core Technology	- 2x50W (8ohm) / 2x75W (4ohm) Class AB - ES9038Q2M 32-bit DAC - 4.3" (800x480mm) large size full view IPS LCD - Built-in certified hardware MQA Full decoder (PC USB, Coax, Optical) - CD playback compatible with CD, CD-R, CD-RW discs - USB memory device support (MP3/WMA/AAC/WAV) - DTS Play-Fi technology (IEEE 802.11 a/b/g/n/ac) - Streaming service support includes Amazon Music, Spotify, TIDAL, KKBox, SiriusXM, Napster, Internet Radio, Deezer, iHeartRadio, PANDORA, Qobuz, QQmusic and more - Multi-room / multi speaker group support - Bluetooth 5.0 (aptX/aptX LL) streaming - Low noise moving magnet phono stage - Dedicated current-feedback headphone amplifier - Integrated / PRE-POWER / PRE only modes - Android / iOS / Kindle Fire / Windows PC control support - USB firmware upgrade input
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, 1 x PC USB (USB B), 1 x USB 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	100ohm
Signal-to-Noise Ratio	> 110dB (Line, A-weighted) > 76dB (Phono MM, A-weighted)

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 (8ohm, THD < 1%) 2 x 75W (4ohm, 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

16: Specifications

Headphone Amplifier	
Total Harmonic Distortion (THD)	< 0.01% (1kHz, 50mW)
Output Impedance	10ohm
Load Impedance	20-600ohm

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.

Corrent disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsible to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

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