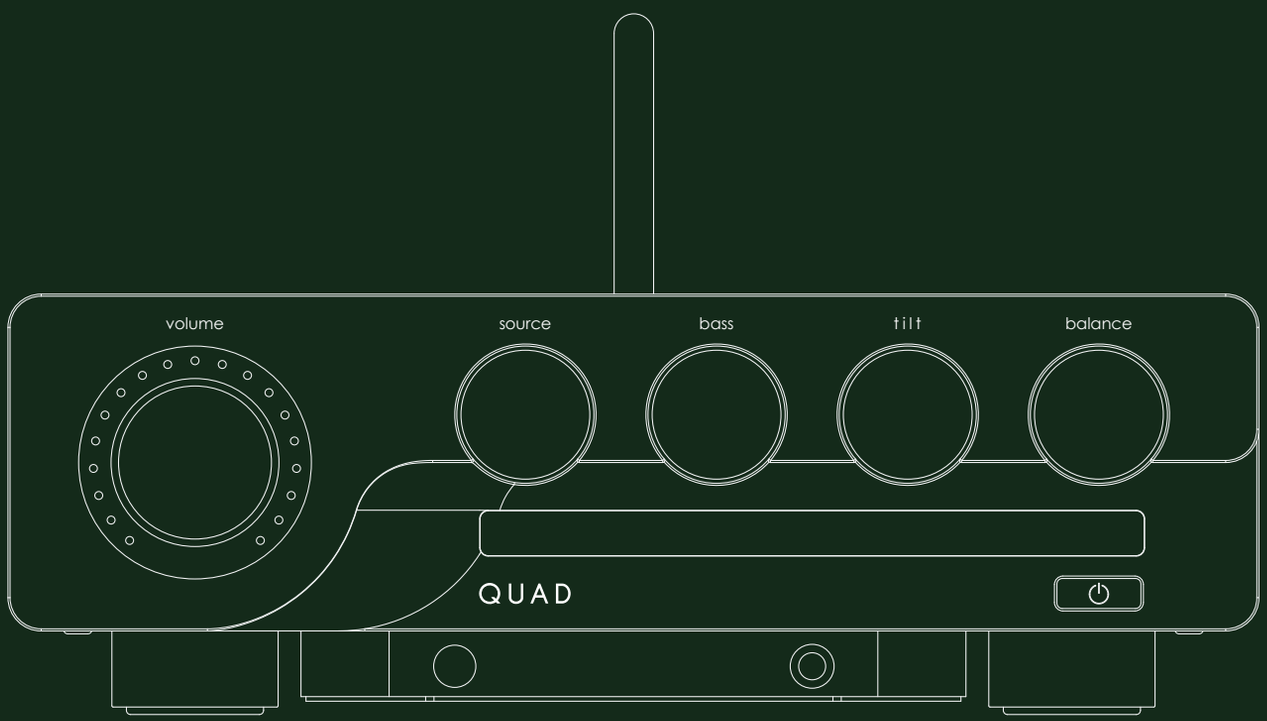
3 YEAR WARRANTY

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

QUAD 3



Wireless Integrated Amplifier

User Manual

QUAD *the closest approach to the original sound*

IMPORTANT SAFETY INFORMATION

This lightning flash with 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 the cover (or back) as there are no user-serviceable parts inside. Refer servicing to qualified personnel.

This 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 dry cloth.

Do not block any ventilation openings. Install in accordance with 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 plug. 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 replacement of the obsolete outlet.

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

Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart or rack is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.

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 spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARNING: Only use attachments/accessories specified or provided by the manufacturer (such as the recommended battery - not supplied).

WARNING: The mains plug/appliance coupler/is used as disconnection device; the disconnection device shall remain readily operable.

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 open space. The ventilation should not be impeded by covering the ventilation openings with items such as newspaper, table-cloths, curtains etc.

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 ensure that objects filled with liquids, such as vases, shall not be placed on the apparatus. No naked flame sources, such as lighted candles, should be placed on the apparatus.

WARNING: Do not ingest the battery, Chemical Burn Hazard. This product requires a coin/button cell battery (not included). If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death. Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

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.

This product will generate certain heat during use. Please pay attention to the hot surface.

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.

QUAD 3

CONTENTS

INTRODUCTION 3

UNPACKING THE EQUIPMENT 3

USB DRIVERS (AND FIRMWARE UPDATES) 3

PLACEMENT 3

CONTROLS AND FUNCTIONS 4

OUTPUT CONNECTIONS 7

INPUT CONNECTIONS 9

REMOTE HANDSET 10

DTS PLAY-FI® WIRELESS STREAMING TECHNOLOGY 13

DOWNLOAD THE APP 14

WI-FI CONNECTION USING THE APP 15

WI-FI CONNECTION SETUP USING A WINDOWS PC OR MAC 17

APP OPERATION 19

WARRANTY COVERAGE 25

SPECIFICATIONS 28

The Bluetooth® word mark and logos are registered trademarks, owned by Bluetooth SIG, Inc. and any use of such marks by IAG Group Ltd is under license. Other trademarks and trade names are those of their respective owners.

aptX® software is copyright CSR plc. or its group companies. All rights reserved.

The aptX® mark and the aptX logo are trademarks of CSR plc. or one of its group companies and may be registered in one or more jurisdictions.

INTRODUCTION

Thank you for your investment in the QUAD 3. We are sure that the QUAD 3 will continue to delight you for years to come.

The QUAD 3 is designed to be the perfect match for all of your music sources and provides the necessary amplification to realise the highest quality of your music, regardless of the source.

You can link the QUAD 3 to both analogue and digital sources, thanks to its diversity of inputs.

Please read this manual carefully to discover all the ways you can connect your equipment to the QUAD 3 and learn how to get the best performance from all of your music sources.

UNPACKING THE EQUIPMENT

The carton contains:

- The QUAD 3
- One IEC mains cable with a plug suitable for your area
- One remote controller
- One QUAD 3 user manual

Please note: The remote control requires 2 x AA type battery. 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.

USB DRIVERS (AND FIRMWARE UPDATES)

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

PLACEMENT

The unit must be mounted on a solid, level and stable surface. Before you connect the QUAD 3 to 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 which has a different mains voltage, seek advice from a QUAD appointed dealer or a competent service technician.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are
designed to provide reasonable protection against harmful interference in a
residential installation. This equipment generates, uses and can radiate radio
frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
RF Exposure Warning Statements:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment shall be installed and operated with minimum distance 20cm between the radiator & body.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with?Innovation, Science and Economic Development?Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

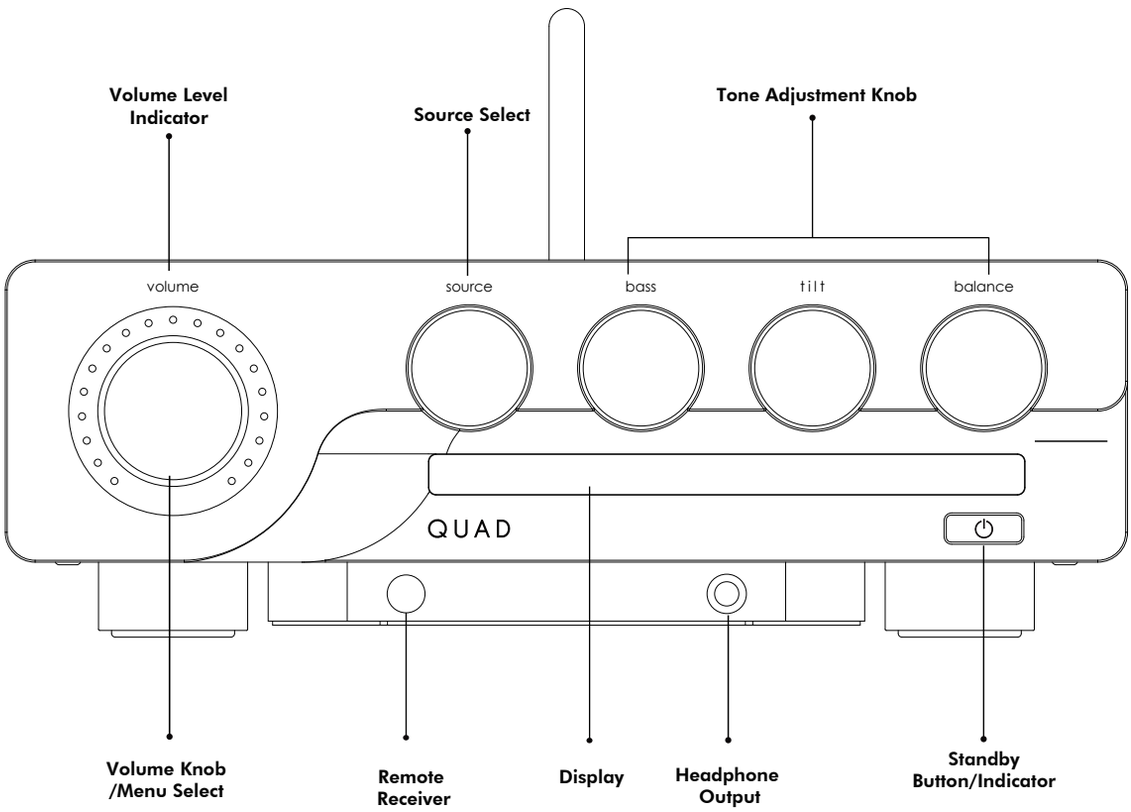
L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
(1) L'appareil ne doit pas produire de brouillage;
(2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

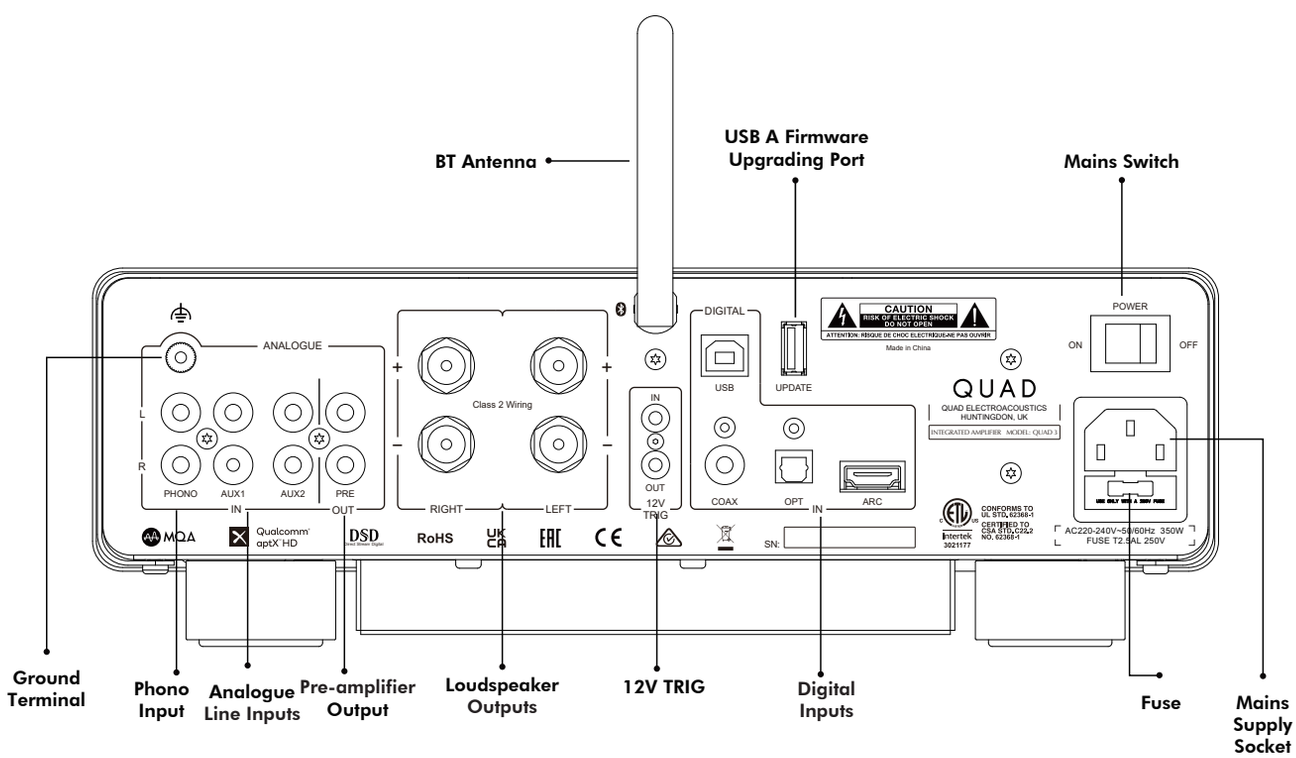
Radio Frequency Exposure Statement for IC

This equipment complies with IC exposure limits set forth for an uncontrolled environment. This equipment shall be installed and operated with minimum distance 20cm between the radiator & body.
Cet équipement est conforme aux limites d'exposition IC définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20cm entre le radiateur et la carrosserie.

CAN ICES (B)/ NMB (B)

CONTROLS AND FUNCTIONS





Volume Indicator

The volume indicator changes as the volume level changes. When all LEDs are lit, the volume level is at maximum. During MUTE, the LEDs will show the breathing status.

Volume Knob/Menu Select

You can rotate the volume knob clockwise to increase the volume, rotate it counter-clockwise to decrease the volume. Press it once to mute the volume,Long press to enter menu.
Input Selection

Source Select

Turn this knob to switch between different signal sources.

Tone Adjustment Knob

You can adjust different knobs to switch to your favourite tone according to your preference.

Remote Receiver

Receive messages from the remote control, which cannot be blocked.

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 loudspeaker terminals will be deactivated.

Standby Button

Press the Standby button briefly to enter/exit the Standby mode.

Hold and press for 4 seconds to enter auto-standby set-up mode. (Please refer to page 12 to enable this function)

Analogue Inputs (Line)

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

Pre-Amplifier Output

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

Loudspeaker Terminals

Connect your loudspeaker signal cable.

12V Trigger Connections

The QUAD3 features two 12V Trigger connections, one output and one input. Use the output to control other products (ie. QUAD3 CDT or third party compatible equipment). Use the input when the QUAD3 is to be controlled by other equipment.The 12V Trigger connections are made using 3.5mm to 3.5mm jack interconnects (not included).

USB A Firmware Upgrading Port

This port must only be used to upgrade the internal firmware of QUAD 3. It cannot be used to connect a computer or USB disc to play music.

INSTALLATION

Before making any connections to your high fidelity equipment make sure that all units in the system are switched off and unplugged at the mains.

Mains Connections

The Mains On/Off switch is on the rear panel. Before connecting your QUAD equipment to the AC mains supply check and make sure the voltage marked on the back matches your supply voltage.

Analog Signal Output Connections

Preamplifier Output

QUAD3 has one pair of unbalanced RCA outputs which can make QUAD3 operate as a preamplifier.

Connect an RCA cable between the unbalanced pre output of QUAD3 and the unbalanced input of a power amplifier or associated equipment. Interconnectors should be of low-noise construction and fully screened to minimize hum and noise transmission.

Loudspeaker Outputs

QUAD3 has two sets of loudspeaker outputs. They are independent for right and left stereo amplifier outputs.

Connect the Positive (+) RED terminals of the amplifier to the Positive (+) RED terminals of the loudspeakers. Connect the Negative (-) BLACK terminals similarly. When connecting loudspeakers tighten the terminals securely by hand. Make sure there are no loose strands of wires which could cause short circuits.

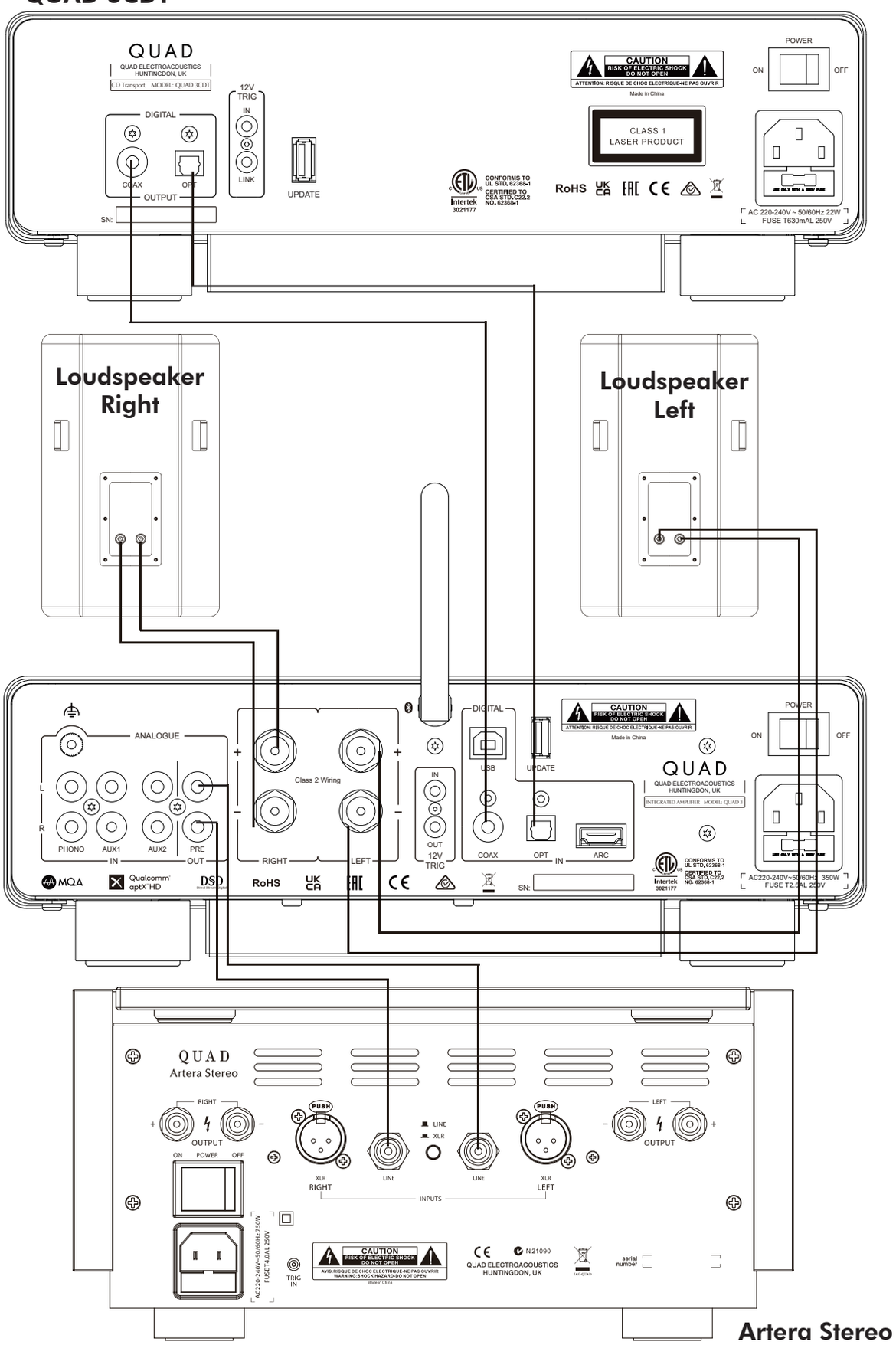
Headphone Output

QUAD3 has a stereo 6.3mm(1/4") jack on the front panel for connecting headphones Connecting headphones mutes the audio signal to the loudspeakers. QUAD3 headphone output can be set up to 500mW, users can select suitable output levels to suit their headphones.

WARNING: Listening to music at high volume levels and for extended durations can damage one's hearing. In order to reduce the risk of damage to hearing, one should lower the volume to a safe, comfortable level, and reduce the amount of time listening at high levels. Headsets should comply with EN 50332-2 requirements (for GS certification).

OUTPUT CONNECTIONS

QUAD 3CDT



Artera Stereo

Analog Signal Input Connections

QUAD 3 has two sets of unbalanced RCA inputs for connection to sources which provide line level outputs. Both sets are identical.

Connect an RCA cable between the unbalanced input of QUAD 3 and the unbalanced output of a source unit like a CD player or DAC. Interconnections should of low-noise construction and fully screened to minimize hum and noise transmission.

PHONO Signal Input Connections

QUAD 3 has a PHONO signal input, the PHONO input should only be connected to turntables fitted with MM .

Digital Signal Input Connections

QUAD 3 has a variety of digital inputs, which can be connected to most popular digital sources, like the digital output of a CD or DVD player, DAC, PC.

Coaxial Input

QUAD 3 has a coaxial SPDIF input. Connect an RCA digital interconnection between the digital coaxial output of the source unit to the COAX input of QUAD 3.

Optical Input

QUAD 3 has an optical SPDIF input. Connect an optical (TOSlink) interconnection between the digital optical output of the source unit to the OPT input on QUAD 3.

Select the BT source option on the QUAD3. On your Bluetooth transmitter device (ie. smartphone, tablet or PC) use the BT device menu to locate 'QUAD3-xxxx' and connect. Once paired, the Bluetooth icon will appear on the QUAD3 display. If you switch to another input on the QUAD3 your mobile device will be disconnected after 60 seconds.

To reconnect, select BT on the QUAD3 and it will automatically connect to the last paired device (if the device is within range). Or select 'QUAD3-xxxx' on your device in the Bluetooth menu and it will reconnect. Once paired, you can disconnect your mobile device with QUAD3 by long pressing the ▶|| button on the remote controller.

PC USB Inputv

Connect your computer to the QUAD3 via a USB cable (Type-A to Type-B). Select the USB source using the handset or the source Knob 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 show the output sampling frequency of the music file being played from your computer.To download Windows Drivers,Be available from www.quad-hifi.co.uk

B-type USB

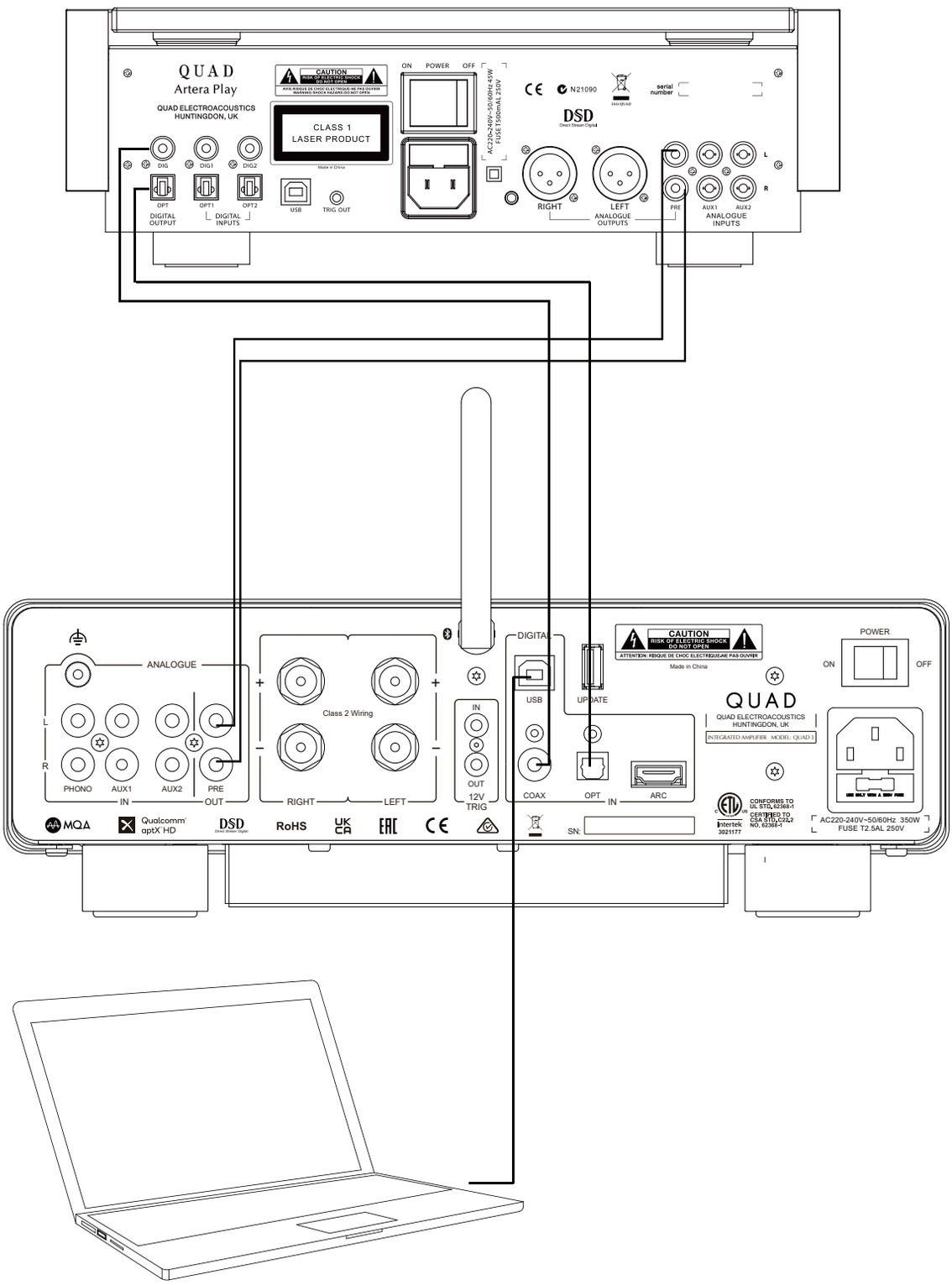
ARC Digital Input

ARC function allows you to send audio from your ARC-compliant TV to QUAD3 through a single HDMI connection. To enjoy the ARC function, please ensure your TV is both HDMI-CEC and ARC compliant and set up accordingly.

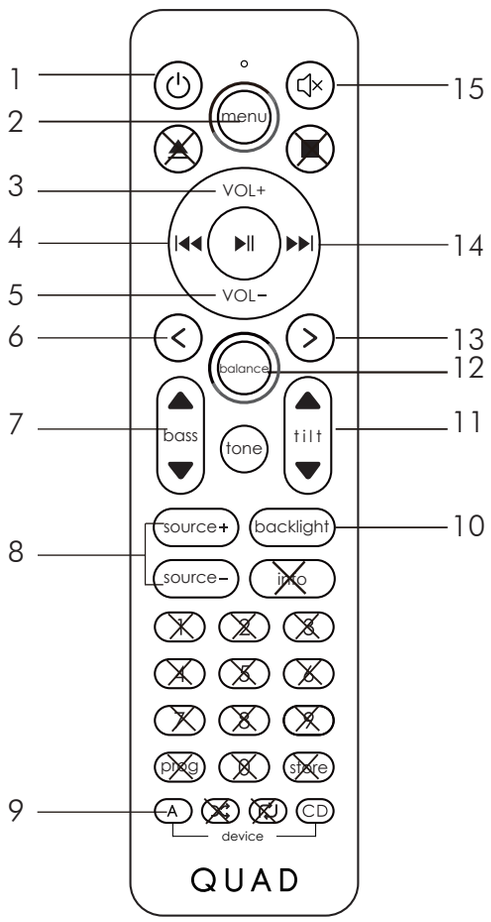
Please note: Your TV must support the HDMI-CEC and ARC functions. HDMI-CEC and ARC must be set to on. Please make sure that your TV's HDMI ARC Audio output is set to PCM Stereo or PCM 2-channel*. The configuration method of HDMI-CEC and ARC differ depending on the brand or model of your TV. For details about the ARC function, please refer to your TV owner's manual.Please make sure that you are using a HDMI 1.4 cable or higher to support the HDMI ARC functionality.

*exact naming may vary depending on your TV.

INPUT CONNECTIONS



REMOTE HANDSET



1.Standby	Press to put the unit in, or bring it out of standby
2.Menu	Press to access/go back the setup Menu
3.Volume Up	Increase Volume / Menu settings previous option
4.⏮	Navigate back through Menu options, reduce brightness, power-on volume, input sensitivity or scroll up menu list options.
5.Volume Down	Decrease Volume / Menu settings next option
6.Balance+	Balance menu list options.
7.Bass Option	Bass menu list options.
8.Source Option	Source menu list options.
9.Mode Option	Press to select the device - CD / A
11.Backlight switch	Backlight ON/OFF
12.Tilt Option	Tilt menu list options.
13.Balance-	Balance menu list options.
14.⏭	Navigate forward through Menu options, increase brightness, power-on volume, input sensitivity or scroll down menu list options
15.Mute	Press to mute or unmute the QUAD 3

Fit the Batteries

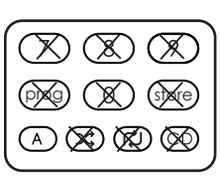
Open the cover and insert 2 x AAA batteries (not supplied), replace the cover.Always use AAA batteries and replace them in sets – never mix up old and new batteries. Very weak batteries can leak and damage the handset. Replace them in good time!

Note: there is a risk of fire and injury 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.

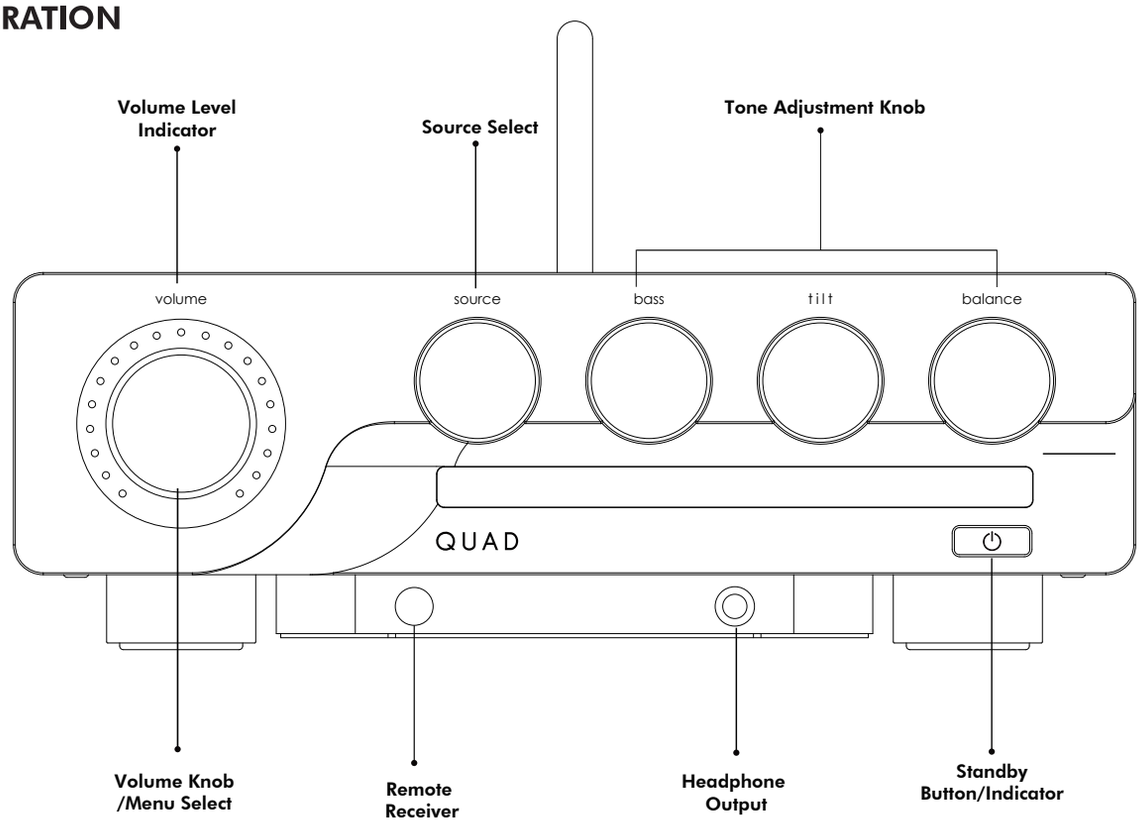
Handset Operation

Point the handset at the remote receiver and press the buttons as illustrated to activate the relevant functions. The handset should be within 15 metres of the player and there should be a clear line of sight between the handset and the unit for optimum remote control operation.

Note: The buttons shown crossed out are for use with other Audiolab units and offer no function on the QUAD3.



OPERATION



Standby Mode

QUAD 3 will be in standby mode when powered on. The ⏻ indicator on front panel is lit. Press ⏻ button to take the QUAD 3 out of standby mode. The indicator light goes out.

Protection Mode

QUAD 3 is protected by a thermal switch which interrupts the AC Power supply if the amplifier is grossly overloaded for a period of time. To restore operation, simply press the ⏻ button on the front panel. It is thus fully protected against gross overload, short-circuited output etc, but not neccessarily against seriously inadequate ventilation.

Mute Mode

Users can press the remote handset button 🔇 or press the volume knob to bring QUAD 3 in or out of Mute mode when playing music. When muted, the volume indicator on the front panel will flash.

Menu Options

-< FILTER >-

Configure the digital filter for the audio DAC. Linear Phase (Slow Roll-Off) is the default setting.

• LINEAR (FAST): This is the most common filter with clean overall suppression and excellent rejection, best for music with large transients. Provides crisp clean highs.

• LINEAR (SLOW): A low group delay and symmetrical input response with less ringing than 'Linear-phase fast roll-off'. It offers punchier bass than 'Linear-phase fast roll-off', with clean highs. (Default)

• MINIMUM (FAST): This offers minimal pre-ringing. It is usually preferred for imaging and sound stages. It offers no aliasing in the frequency domain and stronger bass than 'Linear Phase', with clean highs.

• MINIMUM (SLOW): A Non-Symmetrical filter designed to minimise pre-ringing. It offers a strong punchy bass with a good transient attack.

• HYBRID: This is the combination of 'Linear-phase' and 'Minimum-phase'. It offers a fast transient attack, strong punchy bass and crisp highs.

-< 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.

-< VOL LIMIT >-

Power On Limit sets the maximum volume level as the unit is switched on.When coming out of standby, the volume setting will be set to the level that was used at the end of the previous operating session OR to the Power On Limit value set in this menu, whichever is lowest. This will avoid a sudden loud signal at the beginning of a new session.

-< TONE >-

TONE can also be switched on the QUAD 3 panel knob.

-< MQA MODE >-

• Full Decode (PCM Upsampling Off) - This enables the full internal MQA decoding process of the QUAD 3, and simultaneously enables PCM streaming via SPDIF (COAX or OPTICAL) up to 192kHz. The SPDIF outputs will be switched off when MQA decoding is taking place, or if the PCM stream sample rate is above 192kHz.

This mode is best for those streaming MQA and using the analogue outputs, or for streaming PCM (FLAC, WAV etc.) and using either analogue or digital outputs.

• Full Decode (PCM Upsampling On) - this enables the full internal MQA decoding process of the QUAD 3, and upsamples both MQA and PCM to 352.8kHz or 384kHz.

This mode is for use with the analogue outputs only. The SPDIF outputs (COAX and OPTICAL) are disabled.

• Core Decode - this option is suitable for users connecting to a 3rd party external MQA renderer via SPDIF, up to a sample rate of 192kHz.

• Passthrough Mode - this will bypass the MQA decoding stage in the QUAD 3 and allow the full non-decoded signal to pass through the QUAD 3 via the digital outputs. This mode is suited to users who prefer to use a separate DAC within their system (for example, when using the QUAD 3 with the Audiolab 7000A). The MQA decoding will therefore happen at the external DAC stage, not within the QUAD 3.

Default setting is Full Decode (PCM Upsampling OFF).

-< SENSITVITY >-

The gain of AUX1, AUX2 and PHONO analogue signals can be adjusted with this module.

-< CEC >-

Activate or deactivate the CEC function of the QUAD 3.

If you want QUAD 3 to sync power on and off with your TV, CEC should be set to 'On'. CEC is set to 'Off' by default, which means it will not auto-power on with your TV set, but still allows QUAD 3 volume control via your TV remote.

Note: CEC performance will vary according to your TV or 3rd party HDMI CEC specification. The CEC code release time varies from device to device,therefore CEC 'On' could cause delays in audio response from the QUAD 3 when powered on by use of the TV remote controller. Other functions are not affected.

-< TRIGGER >-

Activate or deactivate the 12V trigger function of the QUAD 3.

-< CONTRAST >-

The backlight can be adjusted LEVEL1,LEVEL2,LEVEL3,OFF 4 different modes.

-< AUTO 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, 60 minutes or Never.

-< VERSION >-

The backlight can be adjusted LEVEL1,LEVEL2,LEVEL3,OFF 4 different modes.

-< BACKLIGHT >-

The backlight can be adjusted LEVEL1,LEVEL2,LEVEL3,OFF 4 different modes.

-< DISPLAY TEXT >-

The backlight can be adjusted LEVEL1,LEVEL2,LEVEL3,OFF 4 different modes.

-< RESET >-

Reset the QUAD 3 to the factory default settings.

The Menu

The menu enables you to customize the unit and optimise the interface with other equipment in your system.
Press the 'meun' key on the remote controller to enter menu mode, and then press ' ⏮ ' or ' ⏭ ' to cycle through the menu options.
Press ⏯ to access the sub menus and press ⏯ again to confirm any selection.
You can also Long press the Volume knob on the front panel to enter the menu, then rotate it cycle menu options. Press Volume knob again to enter the sub menu. And, press Volume knob again
to confirm any selection. Long press Volume knob to go back.

WARRANTY COVERAGE

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

Online Registration

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 *https://www.quad-hifi.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. QUAD 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 QUAD 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 QUAD 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 QUAD or its authorised service partners.

Damage in transit that cannot be attributable to the fault of QUAD, 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 QUAD and its Authorised Distributor.

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

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.

QUAD 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 can not be held liable for loss or damage in transit. insurance and freight charges on the return journey will be paid for by QUAD, 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, QUAD is not able to supply parts or replacement items to any other entity than the official distributor or authorised service centre.

Other than the warranty and services set out in this warranty, to the fullest extent permitted by law, QUAD 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

For technical support, servicing or product queries and information please contact either your local retailer or the office below.

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

Tel: +44(0)1480 452561
Email: service@quad-hifi.co.uk

For information on other authorised service centres worldwide contact QUAD International, UK.
A world wide distributors list is available on the QUAD website: www.quad-hifi.co.uk

SPECIFICATIONS

Model	**QUAD 3**
General description:	Integrated Amplifier
Design philosophy and core technology	2x65W(8ohm) / 2x100W(4ohm) Class AB
	ES9038Q2M 32-bit DAC
	MQA Full decoder (PC USB,Coax/Optical
	Bluetooth 5.1(aptX/aptX HD) streaming
	Dedicated High Performance Low Noise MM Phono stage
	Dedicated Current-Feedback Headphone AMP
	Built-in BASS and TITL adjustment
	USB Firmware Upgrade
Inputs	2 x Analogue ,1 x Phono (MM) ,
	1 x SPDIF (Coax), 1 x SPDIF (Optical),1xPC USB
	1xHDMI ARC, 1 x Bluetooth(aptX/aptX HD),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 (max.)	+0dB (Line)
Input Sensitivity	+47dB (Phono MM)
	800mVrms (Line, Volume = 0dB)
Input Impedance	3.6mV (Phone MM, Volume=0dB)
	10K (Line)
	47K // 100pF (Phono MM)
Total Harmonic Distortion (THD)	< 0.001% (1KHz @ 2V, Volume = 0dB)
Frequency response	20Hz-20kHz (+/-0.1dB)
Output voltage	2.3V max. (Volume = 0dB)
Output impedance	120 ohm
Signal-to-Noise ratio	> 110dB (A-weighted)
	> 78dB (Phono MM, A-weighted)

DAC	
D to A Converter	ES9038Q2M
Total Harmonic Distortion (THD)	< 0.001% (1KHz @ 0dBFS)
Output level (0dBFS, 1KHz)	2.05Vrms
Max. Sampling Frequency	"Optical,Coaxial:192KHz
	PC USB :PCM768kHz,DSD512"
Signal-to-noise ratio (S/N)	> 116dB (A-weighted)

Power Amplifier Section	
Gain	+29dB
Rated Power Output	2 x 65W (8 ohm, THD<1%)
	2 x100W (4 ohm, THD<1%)
Frequency Response	20Hz-20kHz (+/-0.3dB)
Total Harmonic Distortion (THD)	<0.003% (1kHz @ 30W/8ohm)
Input Sensitivity	800mVrms
Signal-to-Noise ratio (S/N)	> 110dB (A-weighted)
Max. Output Current	10A

SPECIFICATIONS

Headphone Amplifier	
Total Harmonic Distortion (THD)	< 0.01% (1kHz, 50mW)
Output Impedance	2.35 ohm
Load impedance	20-600 ohm

General	
Standby Power Consumption	<0.5W
Net weight	6.1Kg
Gross weight	6.6Kg
Dimensions (mm) (W x H x D)	300*101*332 mm
Carton Size (mm) (W x H x D)	366*215*420 mm
Finish	
Power requirements	220-240V ~ 50/ 60Hz
(depending on region)"	100-120V ~ 50/ 60Hz
Standard accessories	Power Cord, Remote Control,User Manual, Antennas, etc.

Correct 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 responsibly 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.

QUAD

IAG House, 13/14 Glebe Road, Huntingdon, Cambridgeshire, PE29 7DL, UK
Tel: +44(0)1480 452561 Eml: service@quad-hifi.co.uk http://www.quad-hifi.co.uk
IAG reserves the right to alter the design and specifications without notice. All rights reserved © IAG Group Ltd.
QUAD is a member of the International Audio Group.