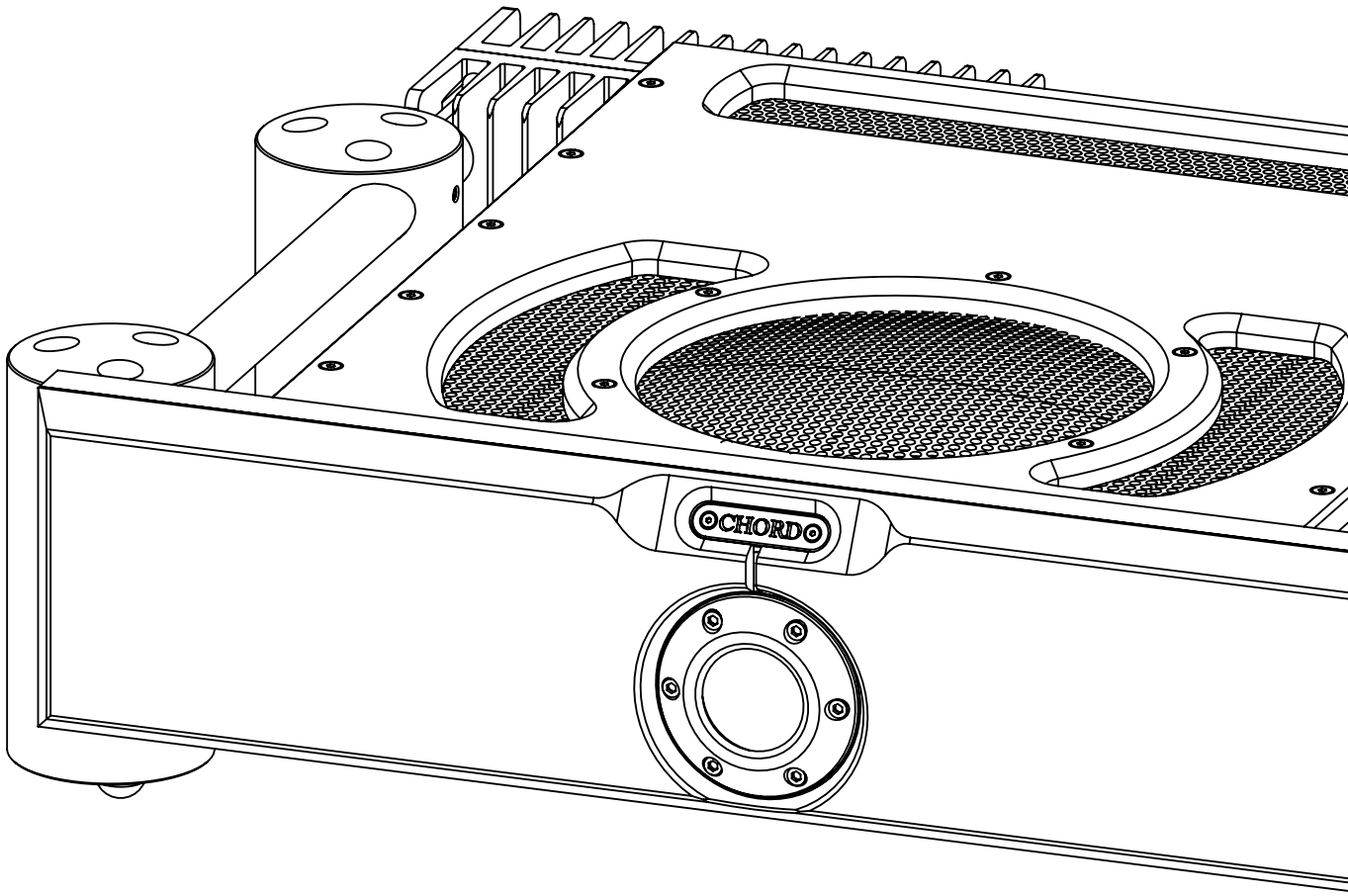
Chord Electronics
Product Communication | English

The Pumphouse, Farleigh Lane, East Farleigh, Kent ME16 9NB, United Kingdom
+44 (0) 1622 721 444
info@chordelectronics.co.uk
chordelectronics.co.uk

ULTIMA 7
Manual
-

V.1.0

CHORD
Chord Electronics Ltd.



Made in BRITAIN

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0.0 Contents

Safety instructions **1.0**

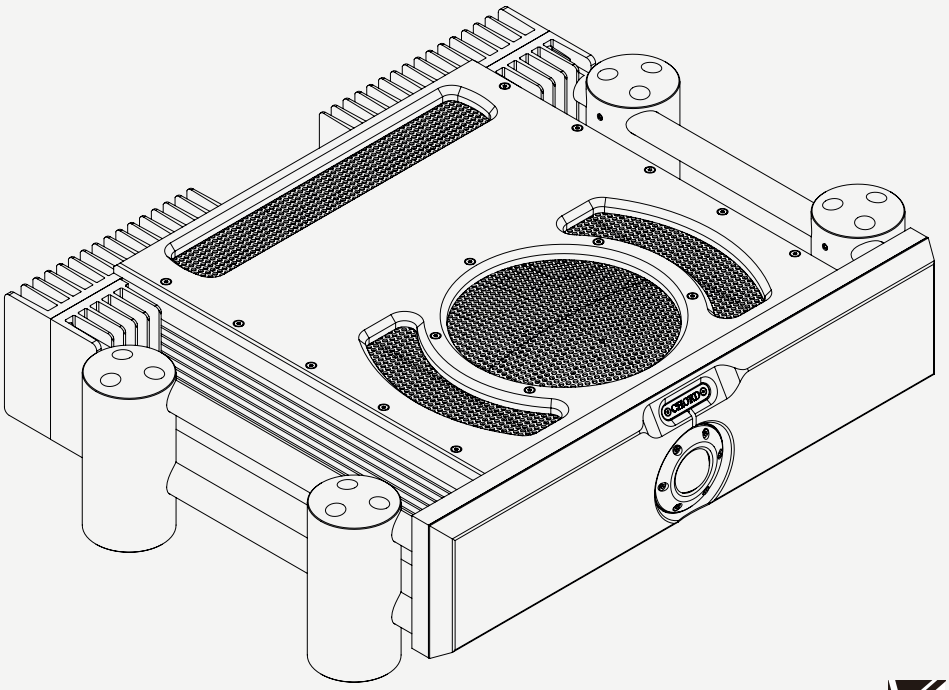
1.1 Introduction
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1.0 Safety instructions

Introduction 1.1

The ULTIMA 7 is an incredibly reliable and technologically advanced stereo power amplifier. It is the entry point to Chord Electronics' full-size amplifier range and features a dual feed-forward error-correction topology.

Before operation, we strongly advise that you read this user manual thoroughly, storing it in a safe place along with your original receipt of purchase, in case you should require assistance in the future.



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Protection against liquids & heat

1.2



The ULTIMA 7 is not protected against liquids of any kind. Never place containers of liquid on the ULTIMA 7. Never allow the ULTIMA 7 to come into contact with moisture or liquids; doing so could result in electrocution or damage to the ULTIMA 7's internal circuitry.

Be aware that liquids, including water that has dried, can leave minerals that can affect the PCB and other components, which could eventually lead to oxidisation and short-circuiting.

If the ULTIMA 7 comes into contact with moisture or liquids, immediately disconnect it from the mains power supply and connected equipment, and contact Chord Electronics for further advice.



The ULTIMA 7 has internal thermal protection that will cut the power supply if a critical temperature is reached.

Never operate the ULTIMA 7 near sources of heat or naked flames as this will decrease the lifespan of the internal components. It is advised that you do not operate the ULTIMA 7 in an area of direct sunlight or on top of significant heat-producing devices.

Please be aware that it is entirely normal for the ULTIMA 7 to become warm during use, particularly within a stacked configuration. If you are concerned about the temperatures, please switch the device off and consider a different placement.

Dismantling & radio frequency interference 1.3



There are no user-serviceable components within the ULTIMA 7. Dangerous voltages/currents exist within, posing a severe risk of electrocution and/or fire.



Never attempt to open, dismantle or apply internal third-party devices to it or insert anything other than the suggested interconnects or speaker cables within this user manual.

If the ULTIMA 7 develops a fault or the casework becomes damaged, immediately disconnect it from the power supply and connected equipment and contact Chord Electronics for further advice.

With a thick, solid aluminium chassis, the ULTIMA 7's casework largely protects the sensitive internal circuitry from radio frequency interference. However, for optimal performance, it is recommended that the following points are observed:



1. Consider placing the ULTIMA 7 away from wireless routers.



2. Separate the ULTIMA 7 from amplifiers using toroidal transformers.



3. Operate mobile phones at a distance to avoid interference.

Connecting your equipment 1.4

Before connecting the ULTIMA 7 to any equipment, consult the manufacturer's user guide to confirm compatibility.

When connecting the ULTIMA 7 to any equipment, make sure that all devices are off, including the ULTIMA 7.

Once connected, switch all equipment on starting with the source and ending with the amplification.

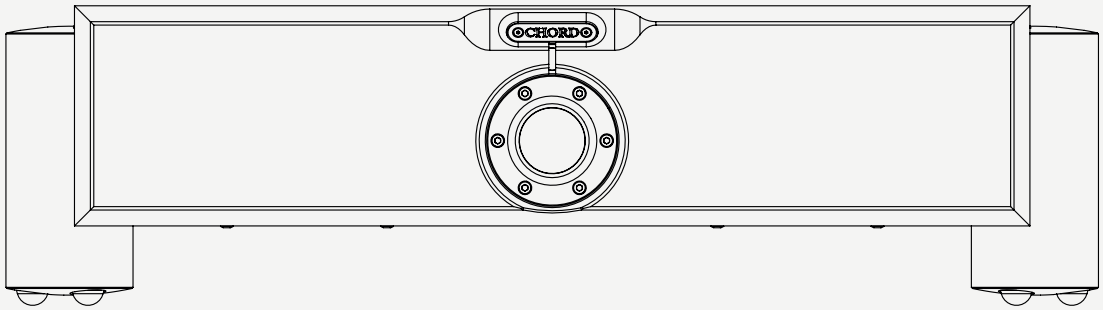
Initially, operate any connected equipment on its lowest gain setting and lowest volume setting, gently increasing to a comfortable listening level.

Never operate equipment connected to the ULTIMA 7 at excessive sound levels; permanent hearing damage and loss can occur.

The included 10 A IEC mains lead plugs into the ULTIMA 7.

If the power cable is disconnected while the ULTIMA 7 is on, it may stay active for up to 15 seconds, which can damage connected equipment.

WARNING: Never disconnect the power cable during operation. Only disconnect when the ULTIMA 7 is off. If the power cable is disconnected during operation there is a risk of damage to connected equipment.



Warranty 2.0

2.1 Warranty period & registering your purchase
2.2 Making a claim & warranty exclusions

2.0 *Warranty*

Warranty period & registering your purchase 2.1

At point of sale, Chord Electronics Ltd. provides the ULTIMA 7 with a comprehensive five-year warranty* which covers defects in materials and workmanship through fair wear and tear.

*The warranty is transferable with proof of purchase. However, the warranty on ex-demonstration units begins from the retailer's date of purchase.

Please use the form below to record the details of your purchase in the event that these are required at a later date. We further advise that all purchases are registered with Chord Electronics at: chordelectronics.co.uk/register-product/

5 FIVE YEAR WARRANTY

RETAILER:	
PURCHASE PRICE:	
SERIAL NUMBER:	
DATE OF PURCHASE:	
TRANSACTION ID:	

Making a claim & warranty exclusions 2.2

In the unlikely event of a claim, you must provide Chord Electronics with the details of the claim, including your original proof of purchase and serial number in order to validate the nature of the repair.

Upon receipt, Chord Electronics will make an assessment within 30 days and provide a reasonable solution.

All warranty repairs must be carried out by Chord Electronics or an approved service centre to guarantee the quality and safety of the repair.

WARRANTY EXCLUSIONS: The warranty does not cover connected equipment, personal injury or the development of natural patina on the metalwork and will be null and void if any of the following apply: wilful neglect; modification or tampering with the product; improper use of the product; acts of God; damage caused by a connected device; mechanical shock; or fire or application of excessive heat or repair/modification by an unauthorised third-party vendor.

Getting to know the ULTIMA 7

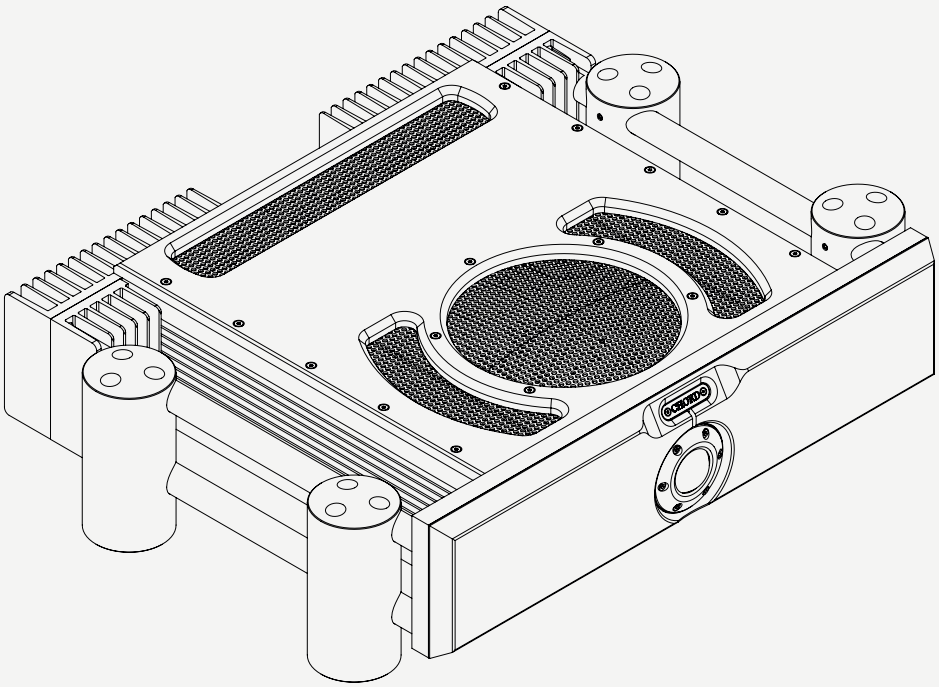
3.0

3.1 Getting to know the ULTIMA 7
3.2 The front panel
3.3 The top panel
3.4 The rear panel

3.0 *Getting to know the ULTIMA 7*

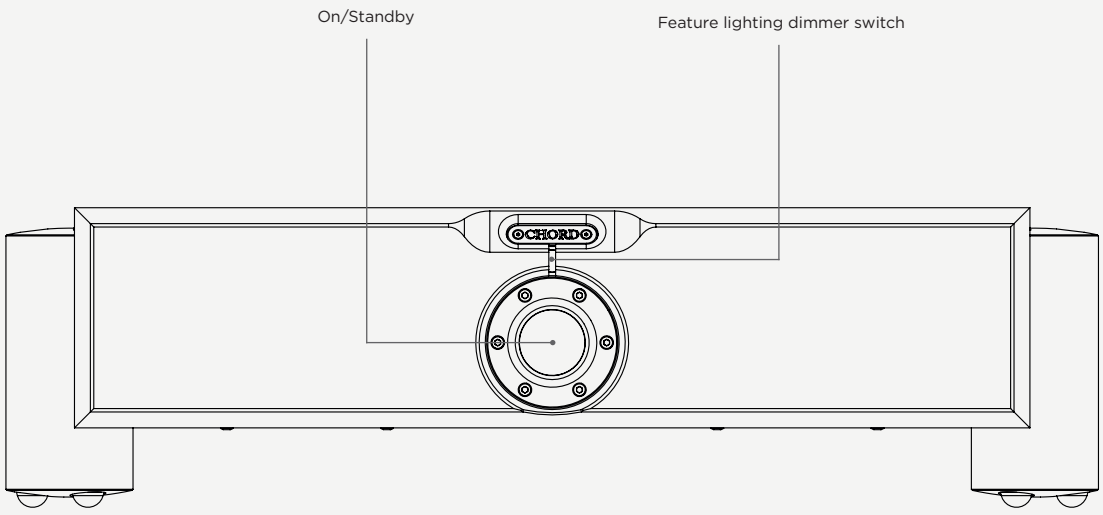
Getting to know the ULTIMA 7 3.1

Before operation, we strongly advise you read this user manual thoroughly, storing it in a safe place along with your original receipt of purchase, should you require assistance in the future.



The front panel 3.2

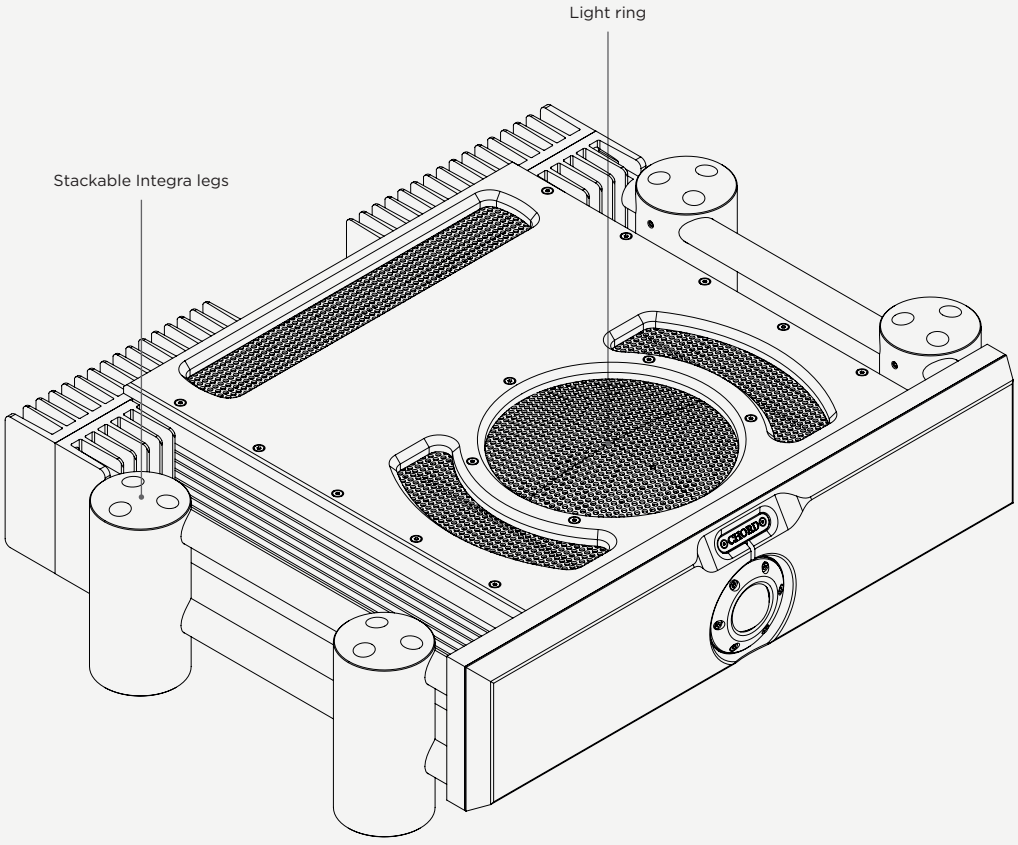
With only two buttons, everyday operation of the ULTIMA 7 is simple and you can tailor the brightness of the feature lighting to suit the ambience of your listening room. See page 23 (section 4.7).



The top panel 3.3

The top panel has no user-configurable options. A teal feature light ring illuminates the vented top panel.

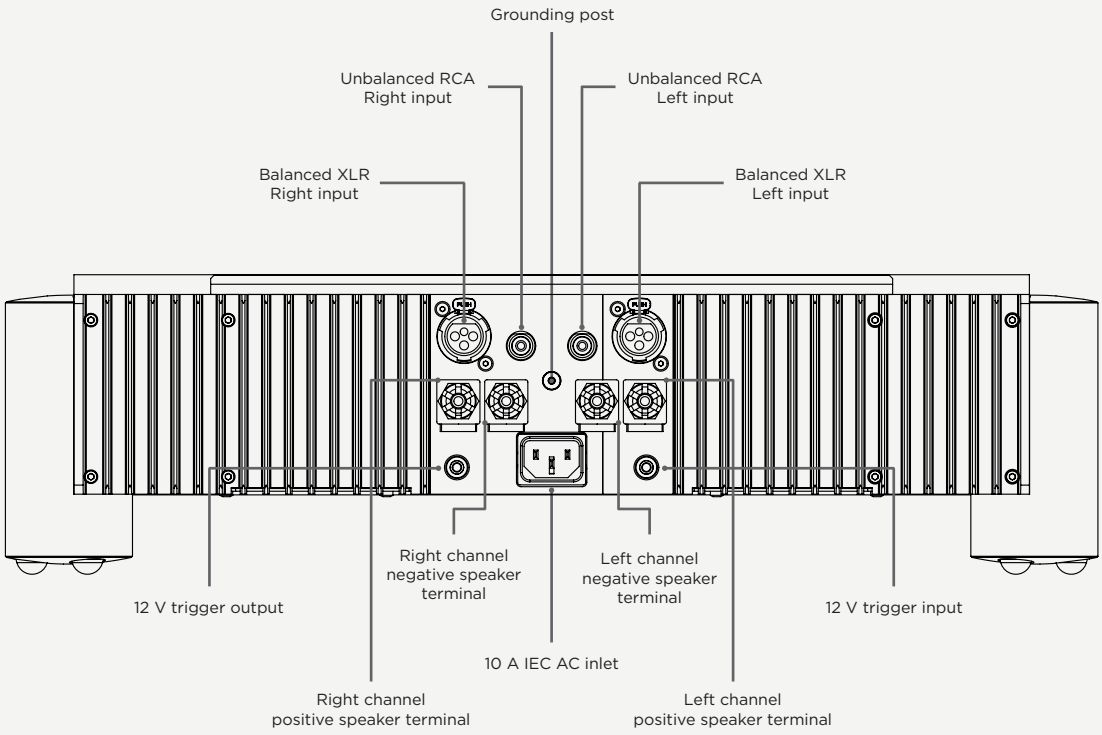
WARNING: You must keep all vents clear.



The rear panel 3.4

The rear panel offers a comprehensive connectivity suite, featuring both standard connections and those which are used with other Chord Electronics devices.

When installing any cable, you must make sure all cables click securely into place.



Setting up
the ULTIMA 7

4.0

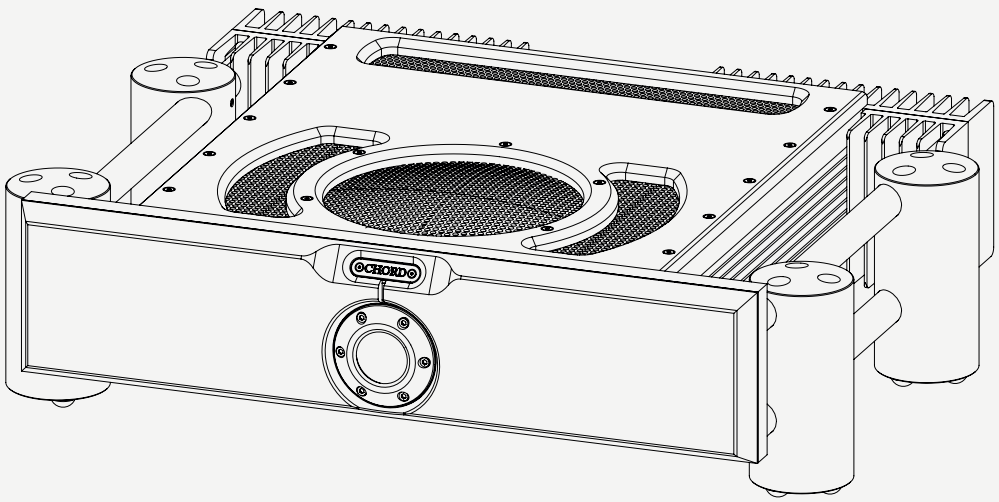
4.1 Placement
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4.0 *Setting up the ULTIMA 7*

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Placement 4.1

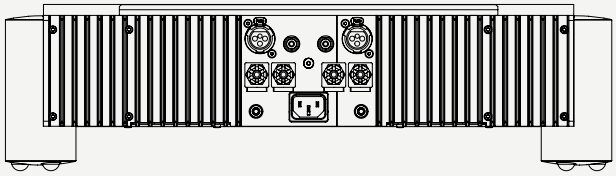
Whilst the ULTIMA 7 will operate normally within a typical Chord Electronics configuration, stacked via the Integra legs, it is recommended that the ULTIMA 7 is allowed to ‘breathe’ with 10 cm of space around it to convection-cool during operation.

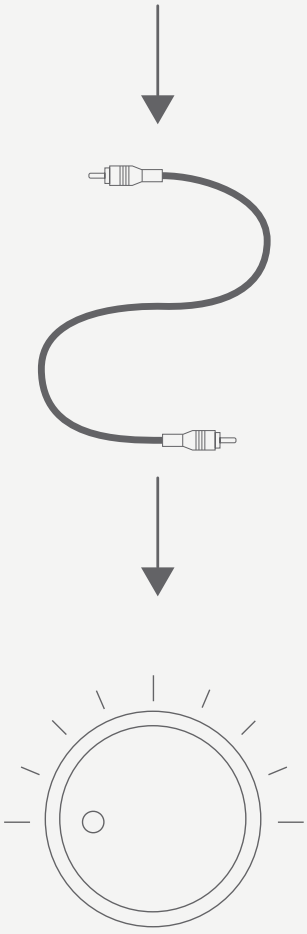


4.1 Placement
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Connecting the ULTIMA 7 to ancillary equipment 4.2

When connecting the ULTIMA 7 to equipment within the signal path, ensure all devices are switched off. It is recommended that once all equipment is properly connected, the volume is set to its lowest level, before slowly being raised to a comfortable listening level. Always observe partnering manufacturers' guidelines.



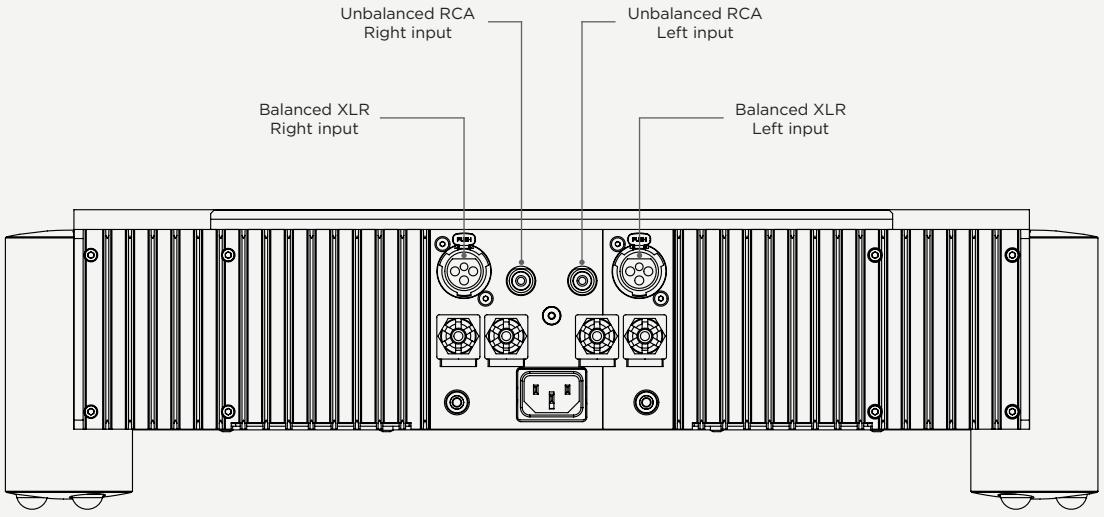


4.1 Placement
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Audio inputs 4.3

The ULTIMA 7 is equipped with both balanced XLR and unbalanced RCA inputs. The ULTIMA 7 cannot switch between inputs, so only one should be connected at a time.

WARNING: The ULTIMA 7 must be connected to a dedicated preamplifier, or a device capable of attenuating its output. Failure to attenuate the volume before it enters the ULTIMA 7 could result in irreversible hearing damage, speaker damage and could void the warranty.



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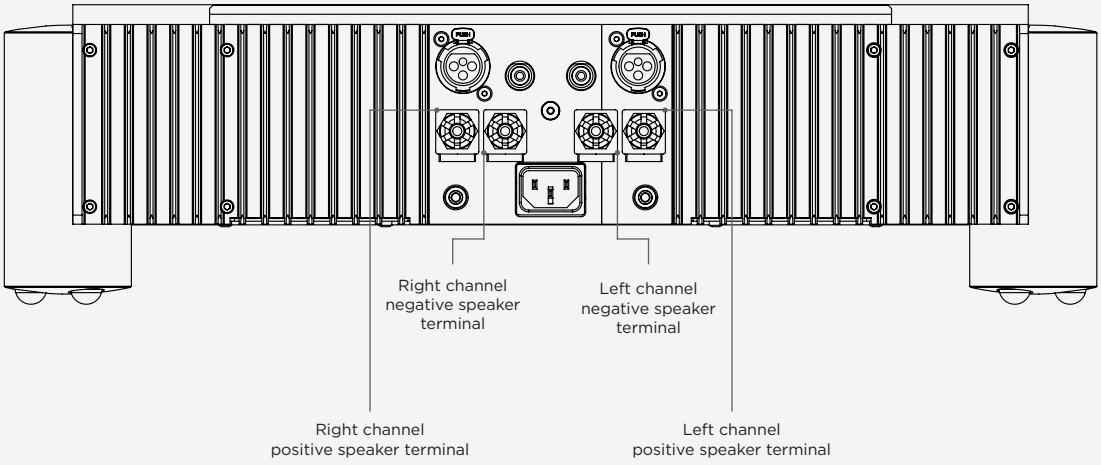
Audio outputs 4.4

As the ULTIMA 7 is a stereo amplifier, it drives one pair of loudspeakers.

In order to connect the ULTIMA 7 to loudspeakers, use high-quality loudspeaker cable terminated with 4 mm banana plugs or 6 mm spades. Bare wire can be used, but it is not recommended.

Connect the black (negative) terminal from the ULTIMA 7 to the negative terminal on your loudspeaker and the red (positive) terminal from the ULTIMA 7 to the red positive terminal on your loudspeaker. Please pay careful attention to the diagram below when plugging in your speakers.

⚠ **WARNING:** Please pay attention to the polarity on your speakers and the layout of the ULTIMA 7 outputs. Ensure that all wires are correctly placed.



Power-on sequence and 12 V trigger 4.5

Power-on sequence: During normal operation, when the ULTIMA 7 is in standby mode the large power button on the front panel will illuminate a red colour. To power on the ULTIMA 7 press the large power button until it clicks. The ULTIMA 7's power button will now change to a green colour whilst it begins its initial safety checks.

During this phase, do not turn up the volume on your source/ preamp – the final level can't be judged yet and could damage your speakers.

Once the amplifier has passed the safety check and is operational, after approximately ten seconds, the amplifier will display a continuous teal glow.

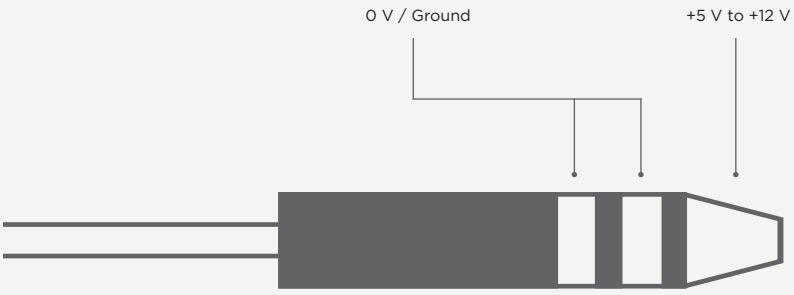
12 V Trigger: A 12 V trigger can be used to remotely turn the ULTIMA 7 on or off. Please refer to the diagram below to correctly wire your 12 V trigger.

When a 12 V trigger is sensed by the ULTIMA 7 the colours displayed on power button will be different.

During standby the large power button on the front panel will illuminate an orange colour, however just like the power sequence without the 12 V trigger a green colour will be displayed once you switch the unit on and it performs its safety checks. You should still not increase the gain on the input device.

Once the amplifier becomes operational the power button will display a continuous purple glow.

WARNING: In the rare event that a fault is detected the amplifier will switch itself off. If this occurs discontinue use immediately and seek help from your Chord Electronics retailer.



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Earthing issues in Europe 4.6



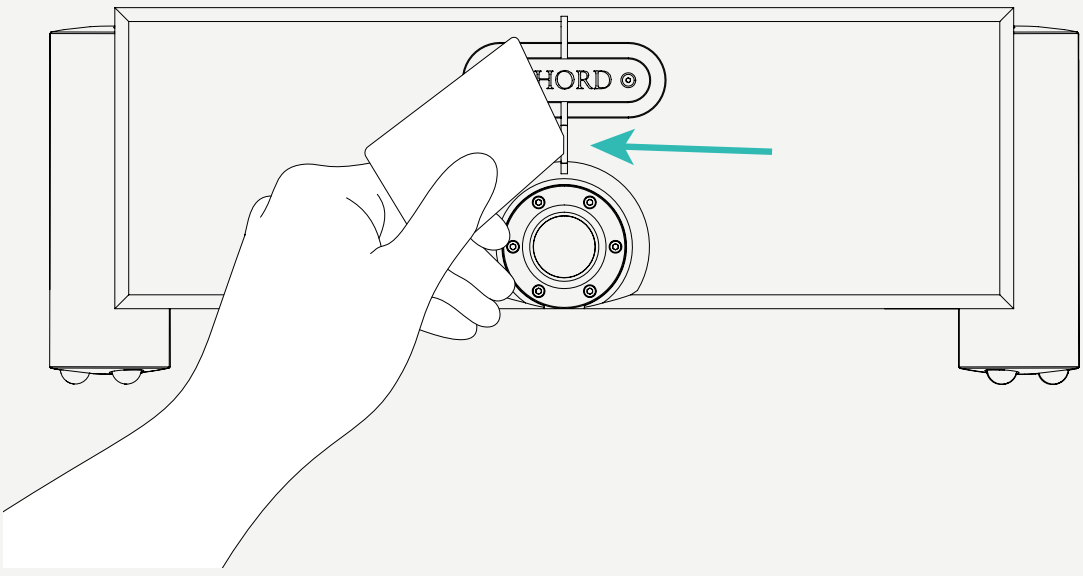
In some European countries, a hum or buzz may occur if the amplifier is connected to mains sockets that are not earthed, or are poorly earthed. If this occurs, please ensure that your equipment is connected via a good-quality multi-way mains block which contains an earth point at every socket outlet.

We recommend having a qualified electrician check your building's earthing.

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Adjusting the brightness of the LEDs 4.7

At any time, you can adjust the brightness of the LEDs to suit your listening environment. Simply locate the feature lighting dimmer switch in the middle of the faceplate as indicated below, insert a thin object and push until you hear an audible ‘click’. The light ring and power button will cycle between five light levels.



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