



# EDGE W

POWER AMPLIFIER



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First and foremost, thank you for choosing Cambridge Audio.

I'm sure that you're excited to listen to your new acquisition; I hope your expectations will be surpassed and that the pleasure will continue for many years to come.

At Cambridge Audio we are in awe of the way that music can move us. It's something that isn't easy to describe, but you know how wonderful it is.

Personally, listening to a quality system provokes the same reaction every time, it takes hold of me, possesses me and demands that I listen. I can lose myself for hours on a voyage of discovery, playing tracks that I haven't heard in years, and they all sound brand new. It thrills me, I'll be nodding, grinning, tapping and if there's a glass of wine involved, dancing like a fool! It's as exciting as hearing the songs for the first time, but with the added delight of recalling feelings and memories too. It really is a beautiful thing.

And that power is why we developed Edge, the pinnacle of five decades of engineering precision, continuous audio innovation and our lasting love of music. It's the inevitable conclusion to the singular objective that's guided Cambridge Audio from the start; to produce audio equipment that faithfully delivers a pure and natural sound. Nothing added, nothing taken away.

Cambridge Audio was born in 1968, when a promising R&D business established by some talented young technology graduates in Cambridge, England, turned their attention to stereo amplifiers. Britain in the 1960's was an incredibly exciting place to be - a time when British bands began to enjoy unprecedented global success, our studios led the way in recording technology and a small group of enterprising British engineers started to make equipment that would accurately playback these landmark recordings.

50 years on, and all our engineering and design is still carried out in the UK, by our dedicated teams in London and Cambridge. There's a few more of us working here now, and our head-office has relocated to central London; where we proudly continue to deliver world class hi-fi.

Our quest for audio perfection is built on simple principles; minimise the number of components in the signal path and select each component by listening to discover those with the purest sound. We're immensely proud of what we've created, having spared nothing in our efforts for perfection.

But ultimately this is about far more than the equipment and it's even more important than the music, it's about your experience when you listen. We hope that your Edge will transport you to some of the magical moments in your life, reminding you exactly why you fell in love with music in the first place.

Time to sit down, take a breath, and let the music take you away, wherever your heart desires.



**Stuart George**  
MANAGING DIRECTOR, CAMBRIDGE AUDIO

This guide is designed to make installing and using this product as easy as possible. Information in this document has been carefully checked for accuracy at the time of printing; however, Cambridge Audio's policy is one of continuous improvement, therefore design and specifications are subject to change without prior notice.

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**Make sure you register your Edge unit at:**  
**[WWW.CAMBRIDGEAUDIO.COM/REGISTER](http://WWW.CAMBRIDGEAUDIO.COM/REGISTER)**

For upcoming news on future products, software updates and exclusive offers.

# Important safety information

For your own safety please read the following important safety instructions carefully before attempting to connect this unit to the mains power supply. They will also enable you to get the best performance from and prolong the life of the unit:

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. 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-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use with only the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.  When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as the power-supply cord or plug having been 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:

- Do not place the unit in an enclosed space; if you wish to place the unit on a shelf, use the top shelf to allow maximum ventilation. Do not put any objects on top of this unit. Do not situate it on a rug or other soft surface and do not obstruct any air inlets or outlet grilles. Do not cover the ventilation grilles with items such as newspapers, tablecloths, curtains, etc.
- To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. This unit must not be used near water or exposed to dripping or splashing water or other liquids. No objects filled with liquid, such as vases, shall be placed on the unit.
- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- The battery (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.
- The unit must be installed in a manner that makes disconnection of the mains plug from the mains socket outlet (or appliance connector from the rear of the unit) possible. Where the mains plug is used as the disconnect device, the disconnect device shall remain readily operable.
- Please refer to the information on the exterior rear panel for electrical and safety information before installing or operating the apparatus.
- Only use the mains cord supplied with this unit.

Use of the apparatus in tropical climates - The equipment shall be used at a maximum 45 degree C ambient temperature.

The unit is of Class 1 construction and must be connected to a mains socket outlet with a protective earthing connection.



The lightning flash with the arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of un-insulated 'dangerous voltage' within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

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 service literature relevant to this appliance.

## VENTILATION

**Important!** The unit will become hot when in use. Do not stack multiple units on top of each other.

Ensure that small objects do not fall through any ventilation grille. If this happens, switch off immediately, disconnect from the mains supply and contact your dealer for advice.

## POSITIONING

Choose the installation location carefully. Avoid placing it in direct sunlight or close to a source of heat. No naked flame sources, such as lighted candles, should be placed on the unit. Also avoid locations subject to vibration and excessive dust, cold or moisture. The unit can be used in a moderate climate.

This unit must be installed on a sturdy, level surface. Do not place in a sealed area such as a bookcase or in a cabinet. Do not place the unit on an unstable surface or shelf. The unit may fall, causing serious injury to a child or adult as well as serious damage to the product. Do not place other equipment on top of the unit.

Due to stray magnetic fields, turntables or CRT TVs should not be located nearby due to possible interference.

Electronic audio components have a running in period of around a week (if used several hours per day). This will allow the new components to settle down and the sonic properties will improve over this time.

## POWER SOURCES

The unit should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power-supply to your home, consult your product dealer or local power company.

If you do not intend to use this unit for a long period of time, unplug it from the mains socket.

## OVERLOADING

Do not overload wall outlets or extension cords as this can result in a risk of fire or electric shock. Overloaded AC outlets, extension cords, frayed power cords, damaged or cracked wire insulation and broken plugs are dangerous. They may result in a shock or fire hazard.

Be sure to insert each power cord securely. To prevent hum and noise, do not bundle the interconnect leads with the power cord or speaker leads.

## CLEANING

To clean the unit, wipe its case with a dry, lint-free cloth. Do not use any cleaning fluids containing alcohol, ammonia or abrasives. Do not spray an aerosol at or near the unit.

## BATTERY DISPOSAL

Batteries may contain substances harmful to the environment. Please dispose of any discharged batteries with due consideration and in accordance with local environmental/electronic recycling guidelines.

## SERVICING

These units are not user serviceable. Never attempt to repair, disassemble or reconstruct the unit if there seems to be a problem. A serious electric shock could result if this precautionary measure is ignored. In the event of a problem or failure, please contact your dealer.



#### WEEE SYMBOL

The crossed-out wheeled bin is the European Union symbol for indicating separate collection for electrical and electronic equipment. This product contains electrical and electronic equipment which should be reused, recycled or recovered and should not be disposed of with unsorted regular waste. Please return the unit or contact the authorised dealer from whom you purchased this product for more information.



#### CE MARK

This product complies with European Low Voltage (2014/35/EU), Electromagnetic Compatibility (2014/30/EU) and Environmentally-friendly design of Energy-related Products (2009/125/EC) Directives when used and installed according to this instruction manual. For continued compliance only Cambridge Audio accessories should be used with this product and servicing must be referred to qualified service personnel.



#### RCM (REGULATORY COMPLIANCE MARK)

This product meets Australia, New Zealand Safety, EMC and Radio Communications requirements of the ERAC and ACMA.



#### CU-TR MARK

This product meets Russia, Byelorussia and Kazakhstan electronic safety approvals.



#### Caution: Hot Surface. Do Not Touch

Both side heat sinks of the product may become hot when operating this product continuously.

Due to the surface of both heat sinks being unsuitable to attach a label, there is no sticker on the product.

#### FCC STATEMENT

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.

#### Federal Communications Commission Notice:

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 and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment to 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.

**FCC Caution:** Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

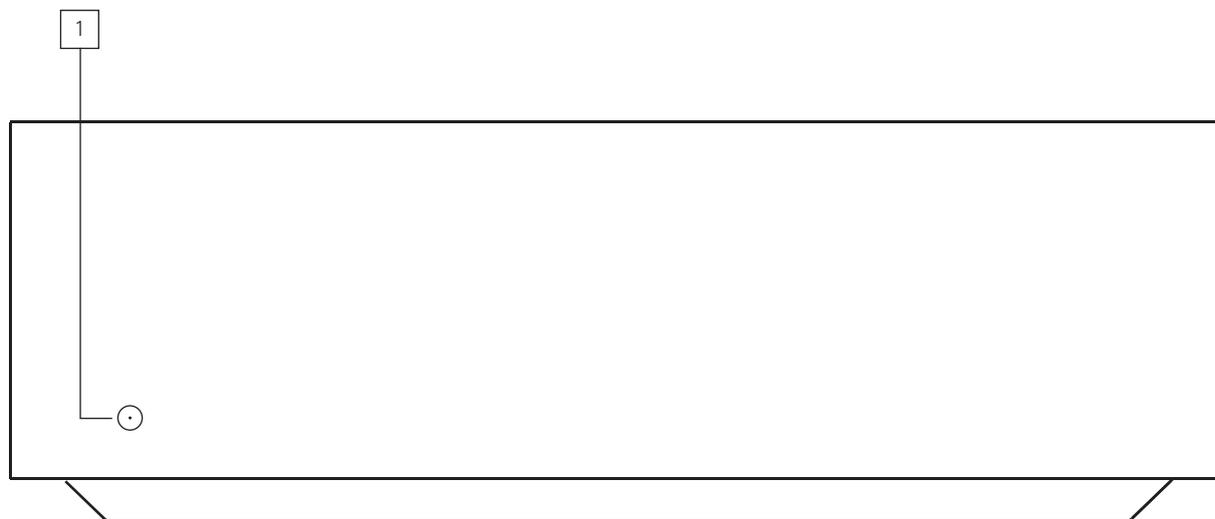
# Front panel

## 1. STANDBY/ON

Switches the unit between Standby mode (indicated by dim LED) and On (indicated by bright LED). Standby mode is a low power mode where the power consumption is less than 0,5 Watts.

## AUTO POWER DOWN (APD)

The product will automatically switch to standby mode after inactivity of 20 minutes. To enable or disable this function, use the APD switch located on the rear of the unit.



# Rear panel

## 1. VOLTAGE SELECTOR SWITCH

**Note:** For use by Cambridge Audio service personnel only!

## 2. AC POWER SOCKET

## 3. SPEAKER TERMINALS

## 4. LOOP OUT

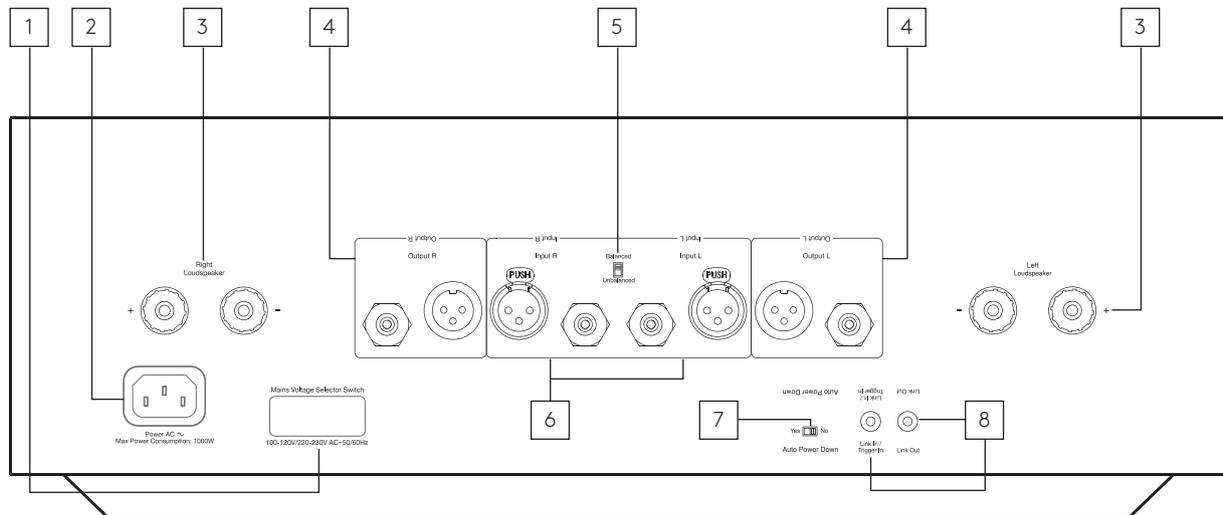
## 5. BALANCED/UNBALANCED SWITCH

## 6. BALANCED/UNBALANCED INPUTS

## 7. AUTO POWER DOWN (APD) SWITCH

## 8. LINK

Refer to the 'Power syncing' section of this manual for more information.

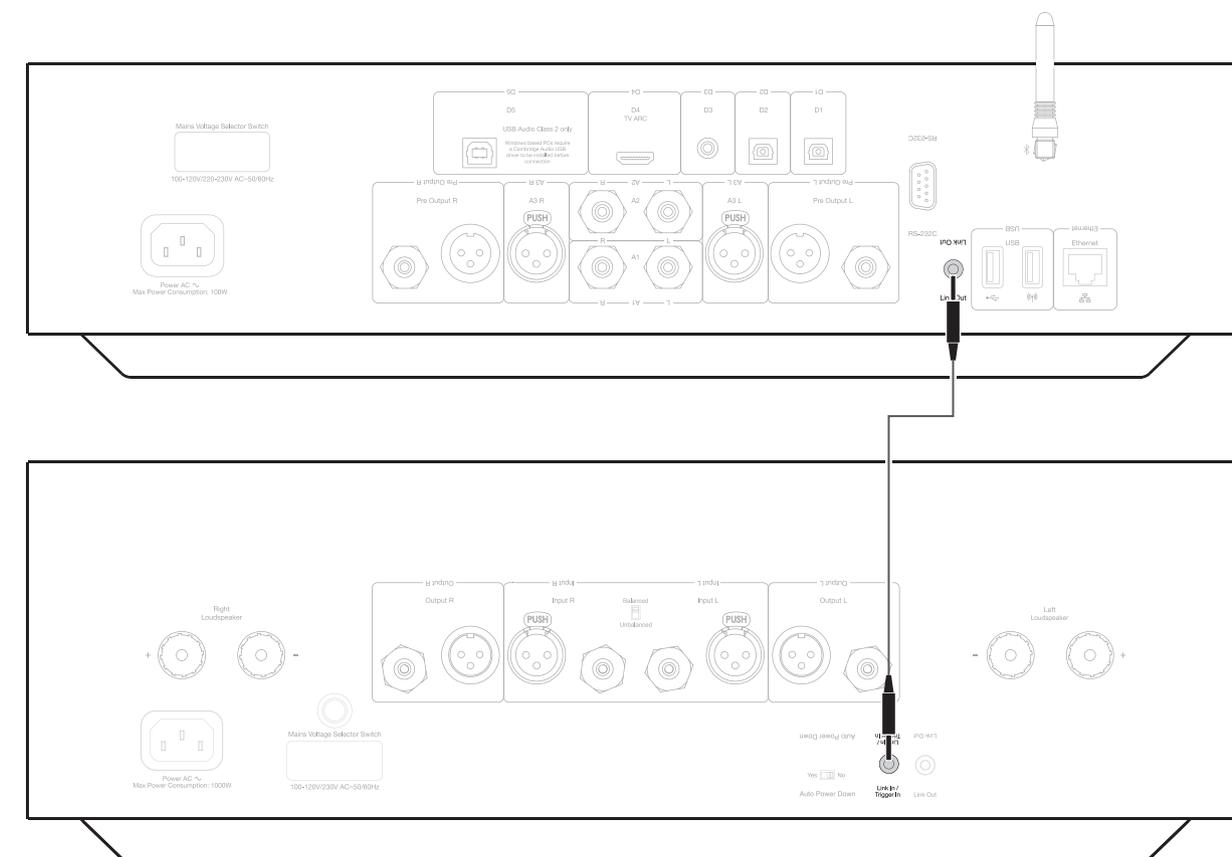


# Power syncing

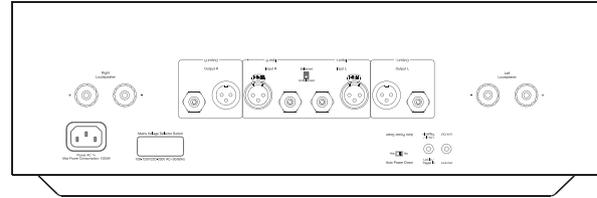
Use the Link wire between the Edge NQ and Edge W to synchronise power on/standby.

## TRIGGER IN

The Edge W can be connected to the trigger control output of home automation equipment to control the power state of the Edge W. The input level should be between 5V and 12V.



# Technical specification



<b>Continuous power output:</b>	100W RMS into 8 Ohms 200W RMS into 4 Ohms
<b>THD (unweighted):</b>	<0.002% 1kHz at rated power (8 Ohms) <0.02% 20Hz - 20kHz at rated power (8 Ohms)
<b>Frequency Response:</b>	<3Hz - >80kHz +/-1dB
<b>S/N ratio (ref 1W into 8 Ohm):</b>	>93 dB
<b>Crosstalk @ 1kHz:</b>	< -100dB
<b>S/N ratio (ref full power):</b>	>113 dB
<b>Input sensitivity:</b>	Input A1-A2 (unbalanced) 1.09V RMS.
<b>Input impedances:</b>	Input A3 (balanced) 47k Ohm Input A1-A2 (unbalanced) 47k Ohm
<b>Inputs:</b>	Balanced, Unbalanced
<b>Outputs:</b>	Speakers, Loop out
<b>Max power consumption:</b>	1000W
<b>Standby power consumption:</b>	<0.5W
<b>Dimensions:</b>	150 x 460 x 405mm (5.9 x 18.1 x 15.9")
<b>Weight:</b>	23.6kg (51.9lbs)

# Troubleshooting

If you experience any trouble with your Edge W, visit the help section on our webpage at <http://techsupport.cambridgeaudio.com>

## There is no power

- Ensure the AC power cord is connected securely.
- Ensure the plug is fully inserted into the wall socket and is switched on.
- Check fuse in the mains plug or adaptor.

## There is no sound

- Make sure the unit is not in Standby mode.
- Check that source component is properly connected.
- Check that your speakers are properly connected.

## There is no sound on one channel

- Check speaker connections.
- Check interconnects.

## There is weak bass or diffused stereo imaging

- Ensure that speakers are not wired out of phase.

## There is a loud buzz or hum

- Ensure no interconnects are loose or defective.



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