LINA Headphone Amplifier

Getting Started Guide

View the full User Guide

To view the full User Guide for your LINA Headphone Amplifier, visit https://dcsaudio.com/documentation

Document information

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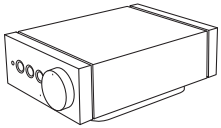
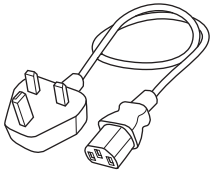
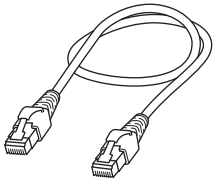
What's in the box



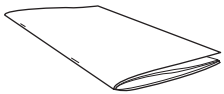
dCS LINA Headphone Amplifier



Power cable (2m)



Power Link cable (0.5m)



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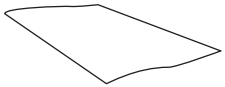
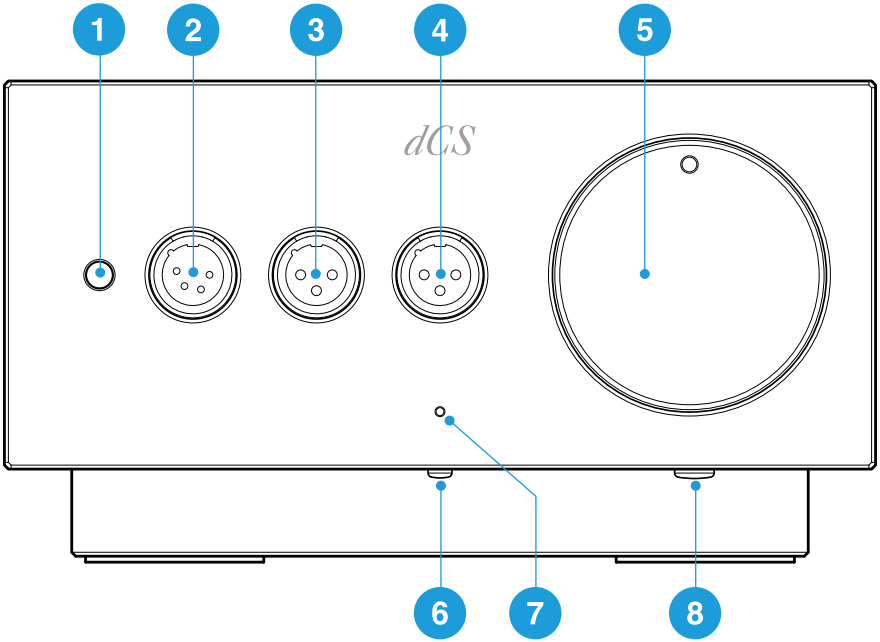


Welcome letter

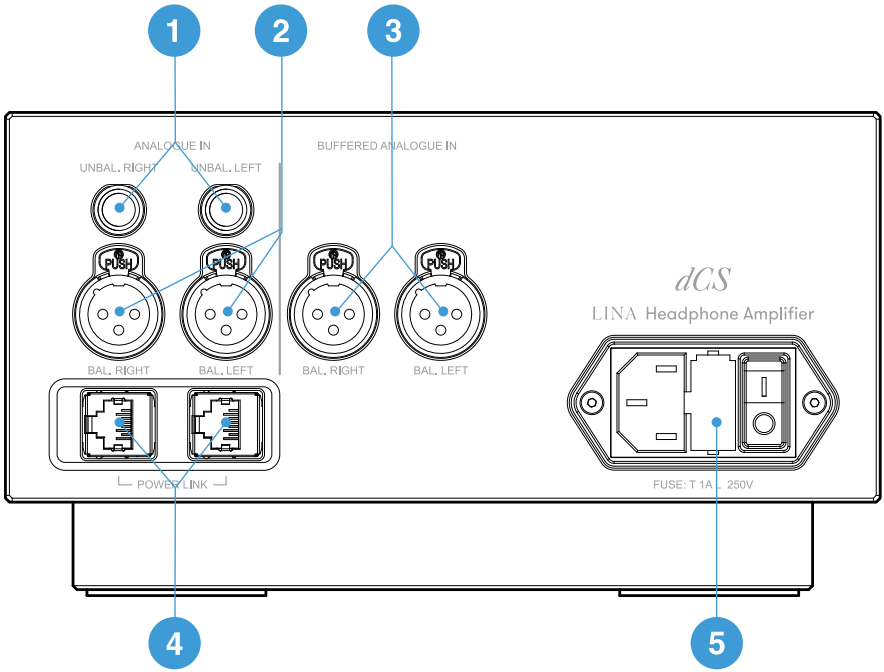
Front



	Item	Description
1	¼ " (6.35 mm) jack output	Connect headphones.
2	4-pin balanced XLR output	Connect headphones.
3	3-pin balanced XLR output (left channel)	Connect headphones (for use together with item 4).
4	3-pin balanced XLR output (right channel)	Connect headphones (for use together with item 3).
5	Rotary control	Turn to change the volume.

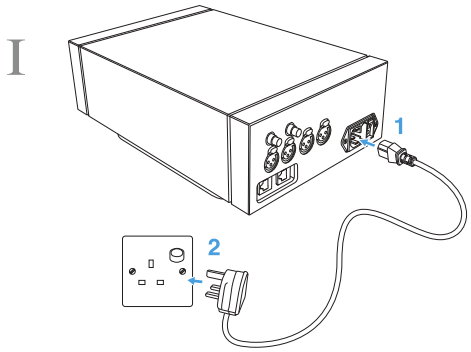
	Item	Description
6	*Power / Input* button	When the unit is switched off, press to switch it on. When the unit is switched on, press to change input. When the unit is switched on, press and hold for 2 seconds to switch it off.
7	Status indicator	When the unit is on, the status indicator is bright white, blue or magenta depending on the input.
8	Gain selection switch	Select the required gain.

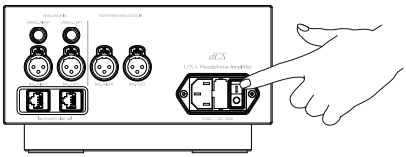
Rear

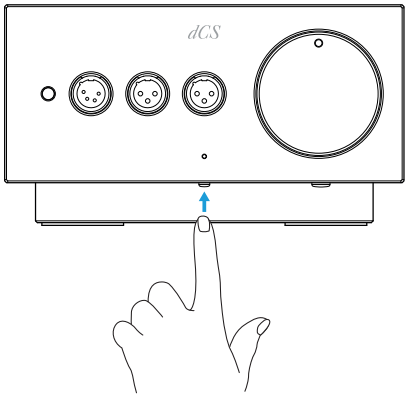


	Item	Description
1	*UNBAL. RIGHT* *UNBAL. LEFT*	Unbalanced RCA analogue inputs. Connects the unit to an audio source.
2	*BAL. RIGHT* *BAL. LEFT*	Balanced XLR analogue inputs. Connects the unit to an audio source.
3	*BAL. RIGHT* *BAL. LEFT*	Buffered, balanced XLR analogue inputs. Connects the unit to an audio source.
4	*POWER LINK*	RJ45 input. Connects the unit to other LINA units to enable Power Link.
5	Power socket, fuse, and power switch	Power is connected via a standard IEC320 connector, with a power switch and a fuse holder.

Setting up







Connecting the LINA range

To connect the LINA Network DAC, LINA Master Clock and LINA Headphone Amplifier together:

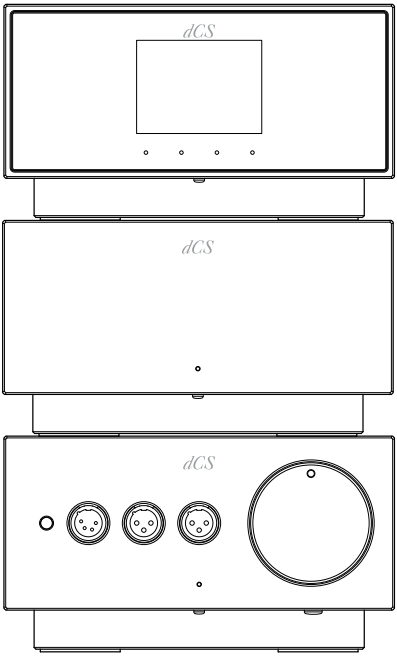
1. Position the LINA range.
2. Connect the LINA Network DAC to the LINA Headphone Amplifier.
3. Connect the LINA Master Clock to the LINA Network DAC.

1. Positioning the LINA range

You can position the units in one of the following ways:

- Place the units side by side.
- Stack the units vertically in the following order:
  - LINA Headphone Amplifier at the bottom
  - LINA Master Clock in the middle
  - LINA Network DAC on top

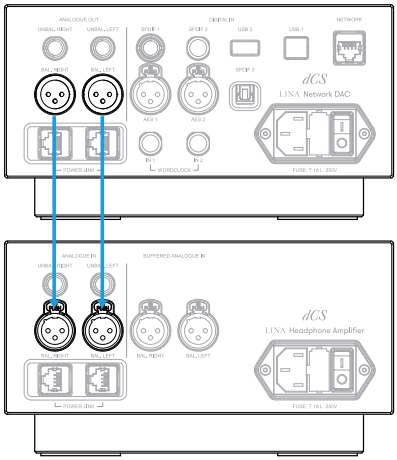
To prevent overheating, we recommend that you leave some space around the units to allow for ventilation.



2. Connecting the LINA Network DAC to the LINA Headphone Amplifier

You can connect the LINA Network DAC to the LINA Headphone Amplifier using the balanced XLR sockets.

1. Using two balanced XLR cables, connect the *BAL. LEFT* and *BAL. RIGHT* outputs on the LINA Network DAC to the *BAL. LEFT* and *BAL. RIGHT* inputs on the LINA Headphone Amplifier.



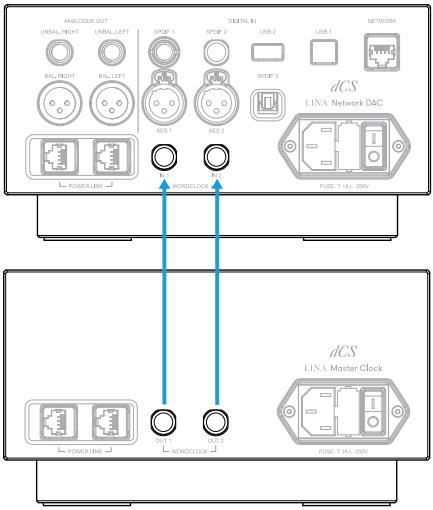
2. On the LINA Headphone Amplifier, choose the unbuffered XLR input. If the status indicator is not white, press the *Power / Input* button until it changes to white.
   ► *For more information, see "Changing the source input" on page 12.*

3. Connecting the LINA Master Clock to the LINA Network DAC

You can lock the network and USB inputs on the LINA Network DAC to the LINA Master Clock.

1. Switch on the LINA Network DAC and the LINA Master Clock.
2. On the LINA Network DAC, choose the network or USB input.

3. Using two BNC cables, connect the *WORDCLOCK* output sockets on the LINA Master Clock to the *WORDCLOCK* input sockets on the LINA Network DAC.



4. Set the clocking sync mode on the LINA Network DAC to Auto W.

   The LINA Network DAC selects the appropriate clock input and locks to it.

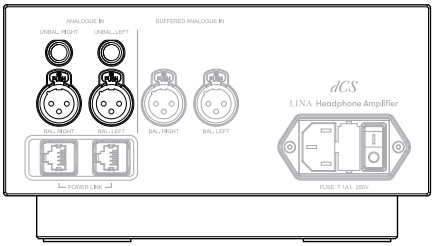
If you lock an AES or SPDIF input on the LINA Network DAC to the LINA Master Clock, the source equipment will not be locked to the Clock, resulting in periodic clicks, dropouts or distortion.

To use the LINA Network DAC in this way, use source equipment that has a word clock input and a Master Clock with extra outputs.

Connecting inputs

You can use the input sockets on the LINA Headphone Amplifier to connect source audio equipment, such as DACs.

1. At the rear of the LINA Headphone Amplifier, connect suitable cables.
    - If you are using the balanced inputs, connect XLR cables to the *BAL. LEFT* and *BAL. RIGHT* sockets.
    - If you are using the unbalanced inputs, connect RCA phono cables to the *UNBAL. LEFT* and *UNBAL. RIGHT* sockets.



2. Connect the other end of the cables to the source equipment.
3. Switch on the source equipment.
4. If possible, play music on the source equipment to generate an audio signal.
5. Change the source input on the unit.
    ► *For more information, see "Changing the source input" on the next page.*

Connecting headphones

You can connect headphones to the sockets on the front of the unit.

► *For more information, see "Front" on page 4.*

Before connecting headphones to the unit, turn down the volume.

Using the LINA Headphone Amplifier

Changing the source input

To change the source input, press the *Power / Input* button on the front of the unit. The status indicator colour shows the current input.

Status indicator colour	Input
White	Balanced XLR. Recommended when connecting the unit to the LINA Network DAC.
Blue	Buffered, balanced XLR
Magenta	Unbalanced RCA

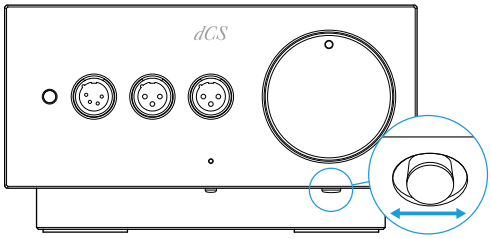
Changing the volume

To change the volume, turn the rotary control on the front of the unit.

Changing the gain

You can set the amplifier gain to suit the sensitivity of your headphones. The gain switch is under the volume rotary control, and has 2 positions:

- To make music quieter, slide the switch to the left to *Low Gain*.
- To make music louder, slide the switch to the right to *High Gain*.



Compliance and Safety

FCC compliance statement

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.

You can determine whether this equipment is causing interference by turning it off. If the interference stops, it was probably caused by the equipment or a peripheral device.

If your equipment does cause interference to radio or television reception, try to correct the interference by one or more of the following measures:

- Turn the television or radio antenna until the interference stops.
- Move the equipment to one side or the other of the television or radio.
- Move the equipment further way from the television or radio.
- Plug the equipment into an outlet that is on a different circuit from the television or radio. (That is, make certain the equipment and the television or radio are on circuits controlled by different circuit breakers or fuses.)

(USA only) If necessary, consult dCS Americas Inc. or an experienced radio / television technician for additional suggestions.

Changes or modifications not expressly approved by dCS Americas Inc. could void the manufacturer's warranty.

This product has demonstrated electromagnetic interference compliance under conditions that included the use of compliant peripheral devices and shielded cables between system components. In order to maintain compliance with FCC regulations, shielded cables (including Ethernet network cables) must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception.

Responsible party (contact for FCC matters only)

dCS Americas LLC
PNC Bank Bldg
300 Delaware Ave, Suite 210
Wilmington, DE 19801
USA

EU Declaration of Conformity

This equipment has been tested and found to comply with the essential requirements of the following Directives: 2014/30/EU, 2014/35/EU and 2015/863/EU.

This device is certified for indoor use only.

Korea Class B compliance statement

This equipment is for home use, and has acquired electromagnetic conformity registration, so it can be used not only in residential areas, but also other areas.

이 기기는 가정용(B급) 전자파적합기기로서 주 로 가정에서 사용하는 것을 목적으로 하며, 모 든 지역에서 사용할 수 있습니다.

Safety

To prevent personal injury or damage to the unit, read the following safety messages before use.

CAUTION
Read and comply with all safety messages and instructions in this document.

- Follow the cleaning instructions in the User Guide.
- Only install the unit according to the instructions in this document.
- Do not spill liquid on the unit or allow it to get wet.
- Do not install the unit near heat sources.
- Use only the attachments and accessories specified by dCS.

CAUTION
To prevent possible hearing damage, do not listen at high volume levels for long periods of time. Prolonged exposure to high volumes when using headphones may damage your hearing.

CAUTION

To prevent the risk of electric shock and ensure the best audio performance, connect the unit to mains earth (ground) using the correct power cable.

- A grounding type plug has two blades and a grounding prong, which is provided for safety. If the provided plug does not fit into your outlet, contact a qualified electrician.
- Do not use the power cable if it is damaged.
- If this unit is not being used for a long period of time, disconnect the unit from the power supply.
- During lightning storms, disconnect the unit from the power supply to prevent power surges.

CAUTION

The safety covers on the unit protect you from electric shock.

- Do not remove the safety covers from the unit.
- If you do remove the safety covers from the unit, it invalidates the warranty.

NOTICE

If the unit is damaged, do not use it and contact a qualified service engineer. Possible causes of damage to the unit include the following:

- Liquid is spilled on the unit.
- A heavy object falls on the unit.
- The unit is exposed to rain or moisture.
- The unit is dropped.

NOTICE

Damage caused to the unit by misuse of a mains regenerator or by a malfunctioning mains regenerator is not covered by the warranty.

- We do not recommend the use of mains regenerators.
- If you want to use a mains regenerator with variable voltage and frequency, set the voltage to match your local voltage. Set the frequency to either 50Hz or 60Hz.
- Do not change the output voltage of the mains generator while it is connected to the unit.

NOTICE

If the unit is cold and is moved into a warm room, condensation may form inside the unit. Condensation may interfere with the normal operation of the unit. If the unit has been kept somewhere cold, remove all packaging and leave it for 1-2 hours before using it to allow it to reach room temperature.

LINA

dcsaudio.com | **@dCSonlythemusic** | **info@dcsaudio.com**

Data Conversion Systems Ltd.
Unit 1, Buckingway Business Park, Anderson Road,
Swavesey, Cambridge, CB24 4AE, UK

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