



Fell Amp Manual

fell
audio





As British as The Fells Themselves.

Our specialist hi-fi products are designed,
engineered and built right here in Britain, for you.



Important safety instructions

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.
8.

Do not install near heat sources such as radiators, ovens, including, other appliances that generate heat.
9.

Do not defeat the safety purpose of the polarised or grounded plug.
10.

Do not install 3rd party fuses.
11.

Protect the power cord from being walked on or pinched.
12.

Only use attachments / accessories specified by the manufacturer.
13.

Unplug the product during lightning storms or long periods of non-use.
14.

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.
15.

Object or liquid entry

WARNING – Take care that objects do not fall and liquids are not spilled into the enclosure through any openings. The equipment shall not be exposed to dripping or splashing. Liquid-filled objects such as vases should not be placed on the equipment
16.

Climate.

The equipment has been designed for use in a moderate climate and in domestic situations.
17.

Cleaning.

Unplug the unit from the mains supply before cleaning. The case should normally only require a wipe with a soft, lint-free cloth. Do not use chemical solvents for cleaning. We do not advise the use of furniture cleaning sprays or polishes as they can cause permanent white marks.
18.

Power sources.

Only connect the equipment to a power supply of the type described in the operating instructions or as marked on the equipment. The primary method of isolating the equipment from the mains supply is to remove the mains plug. The equipment must be installed in a manner that makes disconnection possible
19.

ABNORMAL SMELL.

If an abnormal smell or smoke is detected from the equipment, turn the power off immediately and unplug the equipment from the wall outlet. Contact your dealer and do not reconnect the equipment.
20.

Damage requiring service

• The power-supply cord or the plug has been damaged, or

• objects have fallen, or liquid has spilled into the equipment, or

• the equipment has been exposed to rain, or

• the equipment does not appear to operate normally or exhibits a marked change in performance, or

• the equipment has been dropped or the enclosure damaged

Disposal of the Fell AMP

21.

The Fell AMP packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with the local recycling regulations. When discarding the unit, comply with local rules or regulations.

22.

Batteries should never be thrown away or incinerated but disposed of in accordance with the local regulations concerning battery disposal.

23.

The Fell AMP and the supplied accessories, excluding the batteries, constitute the applicable product mentioned in the relevant WEEE compliance certification.

24.

The Fell AMP should not be disposed with other household waste throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal and to conserve material resources, the Fell AMP should be recycled responsibly. To dispose of your Fell AMP, please use your local return and collection systems or contact the retailer where the product was purchased.
- Safety Compliance
- This equipment has been designed to meet the IEC/EN 62368-1 international electrical safety standard. This device complies with EN 55032: 2015 + A1: 2020 Class B. 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. The building installation shall be regarded as providing protection in accordance with the rating of the wall socket outlet.
- The image displays a series of safety compliance icons and warning labels. At the top, there are five icons: the UKCA mark, the CE mark, a plug symbol, a recycling symbol, and a crossed-out trash can. Below these are three rectangular warning labels: 'CAUTION' with 'RISK OF ELECTRIC SHOCK DO NOT OPEN', 'ATTENTION' with 'RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIRE', and a triangle with an exclamation mark. Further down, there are two more triangle-with-exclamation-mark icons. Text blocks provide additional warnings: 'CAUTION: To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.', 'WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.', and 'The lightning flash with an arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of unannounced "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.' and 'The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.' At the bottom, a 'CAUTION' label states: 'In Canada and the USA, to prevent electric shock, match the wide blade of the plug to the wide slot in the socket and insert the plug fully into the socket.'
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Welcome

Thank you, and congratulations
on purchasing your Fell Audio product.

Drawing on many years of audio design experience, the Fell Amp uses the highest-quality components and engineering expertise to provide a product that will offer years of musical enjoyment and reliable service. This manual is a guide to installing and using the Fell Amp, including information on its more advanced features.

We hope your Fell Amp provides you with years of trouble-free operation. In the unlikely event of any operational issues, or if you simply require further advice regarding Fell Audio products, we will be happy to assist you.

Further information can also be found on the Fell Audio website at fellaudio.co.uk.

THE FELL AUDIO TEAM

Preparation

Power

The Fell Amp is supplied with a moulded IEC mains plug already fitted to the lead. Check that the plug supplied fits your supply – should you require a new mains lead, please contact Fell Audio. If your mains supply voltage or mains plug is different, please contact your supplier immediately.

Push the IEC plug end of the power cable into the socket on the back of the amplifier, making sure that it is pushed in firmly. Plug the other end of the cable into your mains socket and, if necessary, switch the socket on.

Interconnect / Speaker cables

The Fell Amp is an ultra low distortion device and as such we recommend the use of high-quality screened cables that are designed for the particular application.

Other cables will have different impedance characteristics that will degrade the performance of your system (for example, do not use cabling intended for video use to carry audio signals).

All cables should be kept as short as is practically possible. It is good practice when connecting your equipment to make sure that the mains power-supply cabling is kept as far away as possible from your audio cables.

Failure to do so may result in unwanted noise in the audio signals.

High quality professionally terminated speaker cables are also highly recommended ensuring the best performance and reliability.

PRODUCT PLACEMENT RECOMMENDATIONS

- Place the amplifier on a level, firm surface, avoiding direct sunlight and sources of heat or damp.
- Do not place the amplifier in an enclosed space such as a bookcase or closed cabinet unless well ventilated. The Fell Amp is designed to run warm during normal operation.
- Make sure the remote-control eye to the right of the front panel display is unobstructed, otherwise this will impair the use of the remote-control.



Overview

Front panel functions

- 1

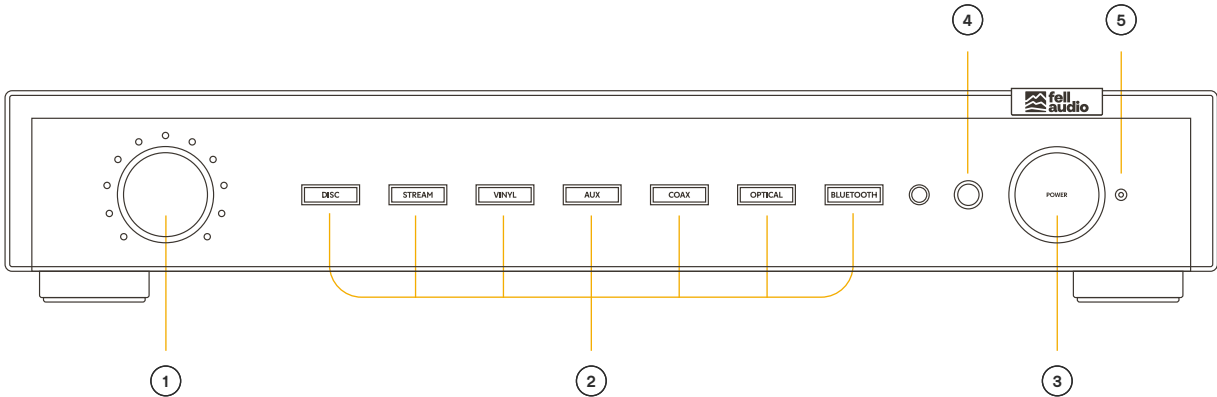
Volume/Mute
- 2

Input selection
- 3

Power on/off
- 4

Headphones
- 5

Power status LED



Connections

Rear panel connections

- 1

Digital inputs
For the connection of SPDIF PCM stand-ard digital sources such a CD player, Streamer, BD player or TV.
- 2

Vinyl input
For the connection of a turntable fitted with a M.M. (moving magnet) cartridge.
- 3

Vinyl earth terminal
Connect the earth cable to this point (if required).
- 4

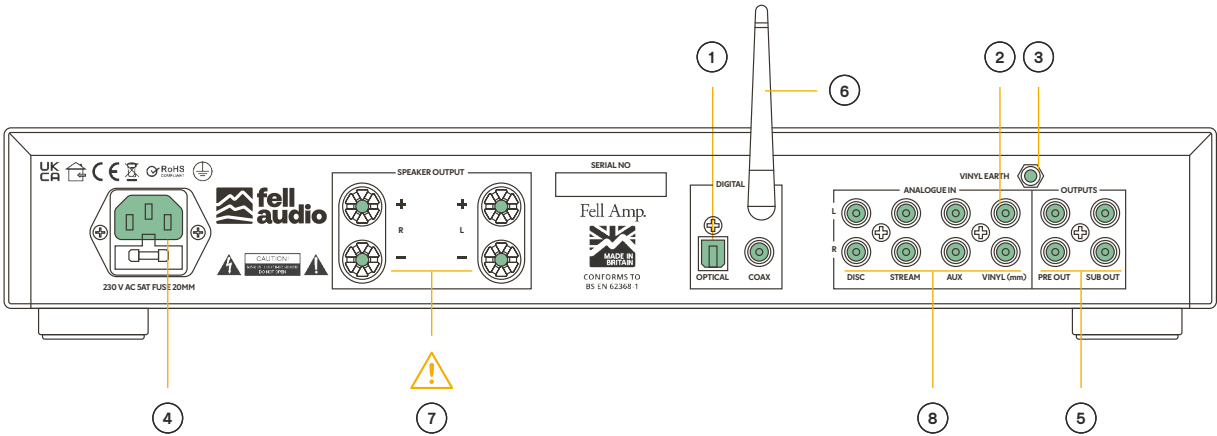
Power inlet
Connect the supplied IEC mains cable here.
- 5

Pre out/Sub out
These are preamplifier outputs with variable output level set by the volume control. You may connect an external power amplifier or a subwoofer.
- 6

Bluetooth antenna
- 7

Speaker outputs
See page 9.
- 8

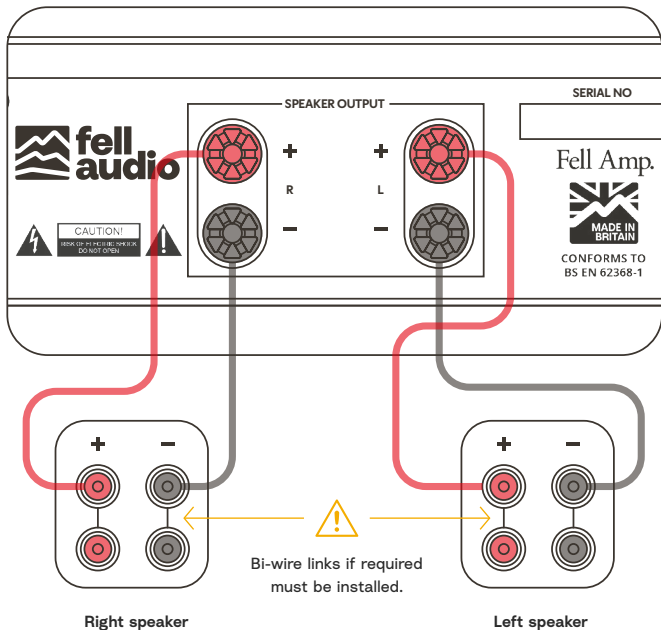
Analogue inputs
The labels below the connectors give suggested audio inputs, although any suitable device may be connected to the line-level inputs.



Speaker Connections

Usage

- 1 Ensure that the Fell Amp is switched OFF
- 2 Connect the speaker cables as shown in the diagram, following a negative to negative (typically black to black) and positive (typically red to red) wiring regime.
- 3 Before switching on please check that the terminals are tight and all wires are encapsulated within the terminals.



Inputs

Audio inputs (analogue)

Although the inputs are labelled for specific devices, all have the same characteristics and each may be used with any line-level product. The exception is the PHONO (MM) input (see page 16 for the specification).

All cables connections are RCA standard.

DISC

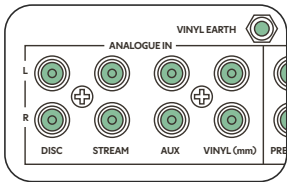
Intended for the analogue output of a CD or DVD/BD player.

STREAM

Intended for the analogue output from an external streamer such as Fell Stream.

VINYL

For the connection of a turntable with a M.M. (moving magnet) type cartridge. Including Earth cable if required.



Audio inputs (digital)

For flexibility and ultra high performance the Fell Amp deploys an ESS SABRE 9018 DAC .

COAX (ensure that a 75 ohm digital cable is used)

The COAX input is compatible with the output of any product that can supply SPDIF PCM 2 channel data at up to 24 bit 192k resolution.

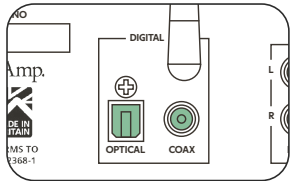
OPTICAL

The OPTICAL input is compatible with the output of any product that can supply SPDIF PCM 2 channel data at up to 24 bit 96k resolution.

Notes when connecting digital audio from a video source such as TV or Blu-ray player.

The Coax or Optical output of the source device must be set to 2 channel PCM data type rather than BitStream or any multichannel format.

Failure to select PCM 2 channel will result in no audio output. Please consult the TV or Blu-ray players user manual for further guidance.



Bluetooth

Getting Connected

 Ensure that the rear panel Bluetooth antenna is correctly installed

- 1 Select the Bluetooth input.

2 Switch Bluetooth to ON within the Mobile device / Tablets settings menu.

3 Android follow below IOS skip to 5
- 4 Open Settings > Connected devices > Pair new device > Select Fell Amp from the list > Accept pairing criteria.

5 Open Setting > Bluetooth > Wait for the Fell Amp to appear on the drop down list of available devices > Select Fell Amp > Accept connection criteria.

6 Go to your preferred audio / video stream service and hit play.



Pre/Sub Outputs

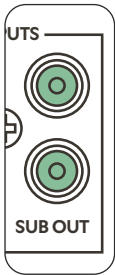
Pre amplifier outputs

Pre amplifier outputs have been included allowing for the flexibility of adding an external power amplifier. Simply connect a stereo pair of RCA interconnects from the Fell Amp Pre outputs to the matching inputs of the external power amplifier.



Subwoofer outputs

Provision is made for left and right subwoofer outputs these may be used to connect a single subwoofer or indeed a left and right pair. The outputs are full frequency without a low pass filter. Users are encouraged to ex-periment with the crossover setting of the connected subwoofer(s).




Operation

Capacitive touch sensitive controls

The Fell Amp utilizes capacitive touch sensitive source select buttons.

This type of switching requires no moving parts and is ultra durable, however, it is important that adequate finger print area is offered to the front panel.



Ensure that the input selection area remains free of debris by gently cleaning with a lint free cloth if necessary.

Switching On

Ensure that the rear panel IEC power cable is firmly attached. Press the Power on / off button on the right side of the front panel. The power indication LED will glow as below.

● = On ● = Standby

Input Selection

Place a finger directly onto the desired input, the selected input will now be highlighted with a brighter light.



Volume / Mute control

The action of turning the volume control in either direction will be indicated by the LED array

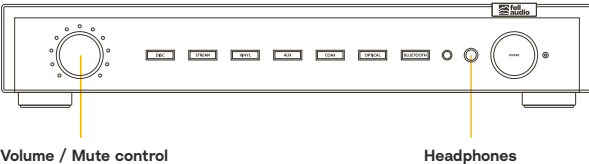
A single press of the Volume / Mute control will engage the Mute function, all volume control LED's will flash indicating that the Mute function is active.

To deactivate the Mute function, press volume the control or turn the volume control clockwise or anticlockwise

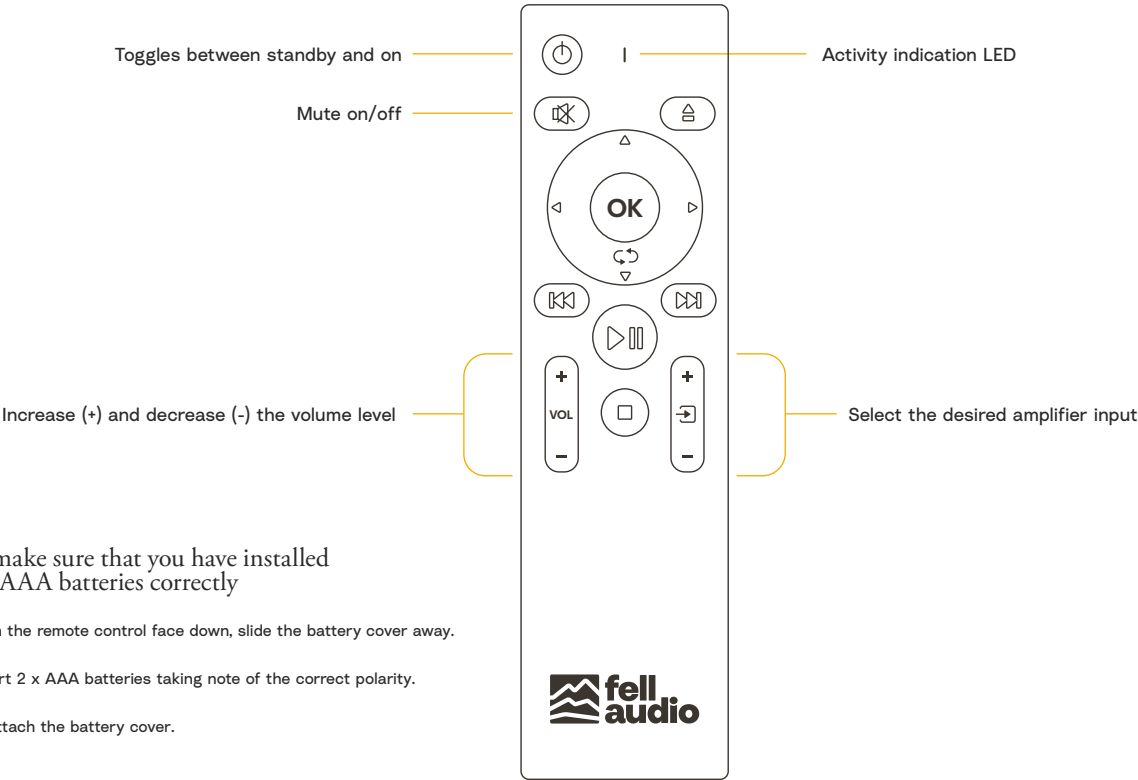
Listening with headphones

The headphones socket (PHONES) accepts headphones with an impedance rating between 8Ω and 2kΩ, fitted with a 6.3mm stereo jack plug (3.5mm headphones can be used with the appropriate adaptor—not supplied).

The headphone socket remains active unless the output is muted.



Remote



- Please make sure that you have installed the 2 x AAA batteries correctly
- 1 With the remote control face down, slide the battery cover away.
 - 2 Insert 2 x AAA batteries taking note of the correct polarity.
 - 3 Reattach the battery cover.

Troubleshooting

If you are having issues with your Fell Amp, check the following items.

No Sound

- Check that the amplifier is switched on and the power indicator is green.
- Check that the MUTE function is not active.
- Check that an active source i.e. Disc is selected and that the inputs are correctly connected.

Sound cuts out unexpectedly

- Check that the amplifier is not being overdriven, power the amplifier down for 5 minutes, reduce the volume and re-test.
- Check that the speaker terminals are correctly connected and that stray wires are not touching the chassis.

Amplifier shuts down unexpectedly

- Check that the power cable is fully pushed in.

Audible hum from the loudspeakers when listening to vinyl

- Due to the nature of Phono stage gain a small amount of hum maybe expected at high volumes, if the hum is excessive check that turntable earth cable (if necessary) is securely tightened at both turntable and amplifier terminals.

Bluetooth Audio cutting in/out

- Check that the rear panel Bluetooth antenna is securely installed.
- Move the transmitting device closer to the amplifier.

Remote control does not work

- Replace the batteries and re-test.
- Ensure that objects on not obscuring the remote control's line of sight.

Specification

Warranty

The Fell Amp has a 5 year parts and labour warranty. Beyond the first 12 months the return to base carriage shall be covered by the owner. Please retain the sales receipt as proof of purchase. Warranty is valid only within country of purchase. The warranty is non transferable.

Continual improvement policy

Fell Audio has a policy of continual improvement for its products. This means that designs and specifications are subject to change without notice.

E&OE

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Contact details

Fell Audio, Shaddongate, Carlisle.
Web: www.Fellaudio.co.uk
Email: help@fellaudio.co.uk

Power / Distortion	
Both channels 8 ohmVs 20hz–20kHz	89 Watts
Single channel 4 ohms at 1kHz	79 Watts
Total Harmonic distortion 80% v.max 1kHz	0.07%
Vinyl input	
Input sensitivity at 1kHz	2mV
Input impedance / capacitance	47kOhms + 100pf
Line inputs	
Input impedance	100 kOhms
Frequency response	10 Hz - 20 kHz
Input sensitivity	700mV
General	
Digital to Audio Conversion	ESS Sabre 9018 (2x Opt & 2 x Coax input)
Mains Voltage	220v–240v a.c
Power consumption at maximum volume	87 Watts
Dimensions W x D x H (including feet)	440 x 300 x 75mm
Weight (net)	6kg

NOTE: All specification values are typical unless otherwise stated

Fell Audio, Shaddongate, Carlisle.

Web: www.Fellaudio.co.uk

Email: help@fellaudio.co.uk



fell audio

