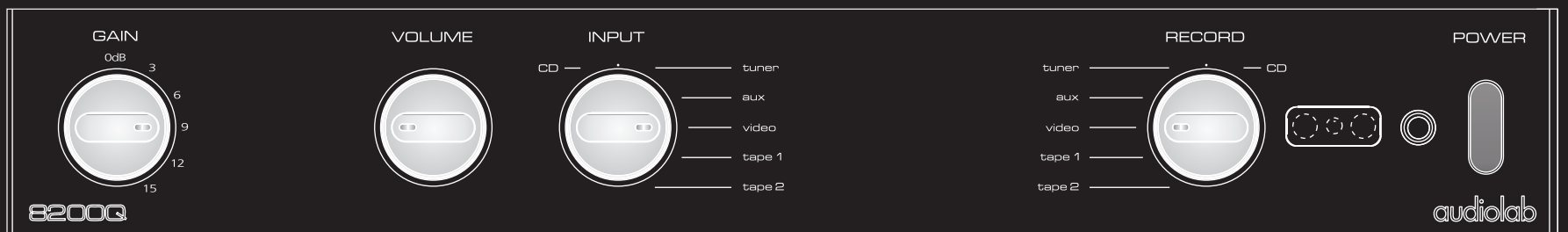
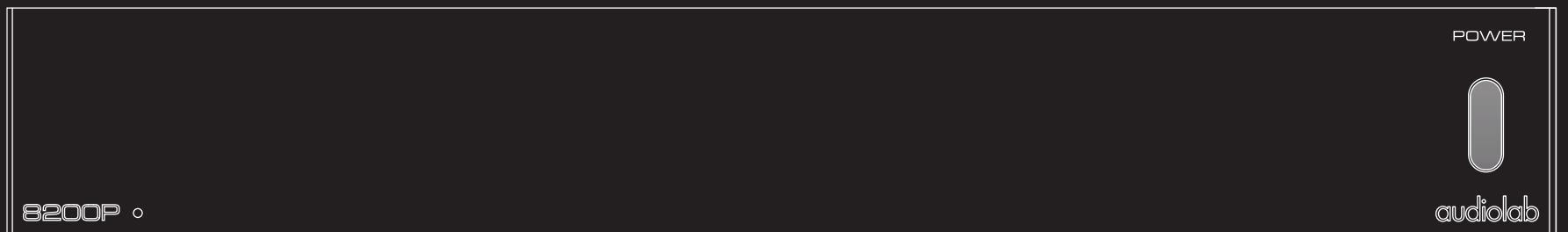


AudioLab
1AG House,
Sovereign Court,
Ermine Business Park,
Huntingdon PE29 6XU
Tel: 01480 447700
Fax: 01480 431767
<http://www.audiolab.co.uk>
CODE:AH10-MNL0006

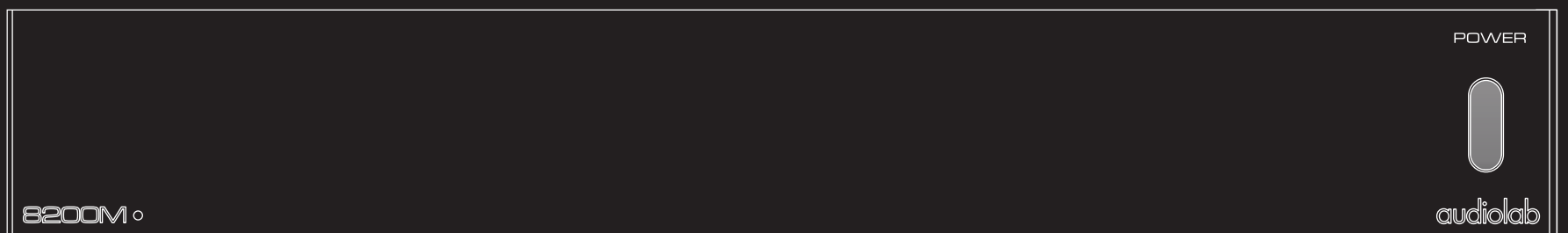
8200Q



8200P



8200M



User Instructions

audiolab

8: Warranty

Audiolab limited warranty

Audiolab Ltd. warrants this product, subject to the terms and conditions below, to be free from defects in materials and workmanship. During the warranty period Audiolab will repair or replace (at Audiolab's option) this product, or any defective part in this product, if it is found to be defective due to faulty materials, workmanship or function. The warranty period may vary from country to country.

Terms and conditions:

The warranty starts on the date of purchase (or the date of delivery if this is later).
You must provide proof of purchase / delivery before work can be carried out. Without this proof, any work carried out will be chargeable to you.
All work will be carried out by Audiolab or its authorised agents or distributors. Any unauthorised repair or modification will void this warranty.
If any part is no longer available it will be replaced with a functional replacement part.
Any parts that are replaced will become the property of Audiolab. Any repair or replacement under this warranty will not extend the period of warranty.
This warranty is valid only in the country of purchase, applies only to the first purchaser and is not transferable.

The following are not covered:

- Products on which the serial number has been removed, altered or otherwise made illegible.
- Normal wear and tear and cosmetic damage.
- Transportation or installation of the product.
- Accidental damage, faults caused by commercial use, acts of God, incorrect installation, connection or packaging, misuse, neglect or careless operation or handling of the product which is not in accordance with Audiolab's user instructions.
- Equipment that has been operated in conjunction with unsuitable, inappropriate or faulty apparatus.
- Repairs or alterations carried out by parties other than

Audiolab or its authorised agents or distributors.

- Products that were not new at the time of original purchase.
- Products sold 'as is', 'as seen' or 'with all faults'.

Repairs or replacements as provided under this warranty are the exclusive remedy of the consumer. Audiolab shall not be liable for any incidental or consequential damages for breach of any express or implied warranty in this product. Except to the extent prohibited by law, this warranty is exclusive and in lieu of all other warranties whatsoever, both express and implied, including, but not limited to, the warranty of merchantability and fitness for a practical purpose.

This warranty provides benefits that are additional to and do not affect your statutory rights as a consumer.

Some countries and US states do not allow the exclusion or limitation of incidental or consequential damages or implied warranties so the exclusions in the paragraph above may not apply to you. This warranty gives you specific legal rights, and you may have other statutory rights, which vary from state to state or country to country.

How to claim:

To obtain warranty service contact the Audiolab authorised dealer from which you purchased this product. Do not despatch goods without the prior agreement of the dealer, Audiolab or their authorised distributors.
If asked to return products for inspection and/or repair, pack carefully, preferably in the original cartons or packaging affording an equal degree of protection, and return prepaid. If unsuitable packaging is used, Audiolab may make a charge for the supply of new packaging.

Insurance is recommended as goods are returned at owner's risk. Audiolab or their authorised distributors cannot be held liable for loss or damage in transit.
Packaging, insurance and freight on the return journey will be paid by Audiolab or their authorised agents or distributor if corrective work proves to be necessary.



IA-GA-LAB

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.

7: Specifications

8200Q Pre-amplifier

Inputs: Gain and Sensitivity

CD, TUNER, AUX, VIDEO, TAPE 1, TAPE 2: IMPEDANCE: 20kΩ
GAIN: Adjustable by 3dB steps 0 - 15dB., corresponding to SENSITIVITY(nom.): 100mV, 140mV, 200mV, 283mV, 400mV, 562mV
HEADPHONES: Gain adjustable 18dB - 33dB in 3dB steps

Signal To Noise Ratio (IHF, rel. 0.5V output)

Any input, any gain setting: 97dB

Headphones: 80dB

Frequency Response

10 Hz-20 kHz ±0.2 dB: 1 Hz-75 kHz -3 dB.

Total Harmonic Distortion & Noise

Less than 0.007% ref 7.7V rms, 20Hz - 20kHz

Channel Balance

Within 1 dB

Channel Separation

Better than 100 dB @ 1 kHz any input, any setting

Pre-amp Output

Max. Output > 7.7V RMS (20dBm); Output impedance 75Ω

Headphone Output

> 7.7Vrms; 100Ω: (for headphones 8Ω-2 kΩ impedance)

Record Output

VIDEO OUT, TAPE 1 OUT, TAPE 2 OUT: Gain 0 dB (x1); 100Ω

Muting

Attenuation > 63 dB, controlled automatically

Operating Temperature Range

10-35°C

Power Requirements (Depending on Region)

50-60Hz 100V, 110-120V, and 220-230V models available
Maximum Power Consumption: 25 VA

Dimensions (WXHxD)

445x74x335 mm - including feet, terminals and controls

445 x 64 x 302 mm - excluding feet, terminals and controls

Weight

Net: 6 kg Shipping: 7.3 kg

8200P Power Amplifier

Rated Output Power

100W (20dBW) /Channel into 8Ω both channels driven

Input

1V rms for 100W into 8Ω

Input Impedance: 50kΩ

Load

Connected in parallel with INPUT

Gain

29.0 dB at 1 kHz

Signal To Noise Ratio (IHF, rel. 0.dBW)

Better than 95 dB

Frequency Response

20 Hz-20 kHz ±0.3 dB

0.1 Hz-75 kHz -3 dB.

Total Harmonic Distortion & Noise

Less than 0.05%

Channel Balance

Within 1 dB

Polarity (Phase)

Non-Inverting

Muting

Muting controlled automatically

Operating Temperature Range

10-35°C

Power Requirements (Depending on Region)

50-60 Hz 100V, 110-120V, and 220-230V models available
Maximum Power Consumption: 500 VA

Dimensions (WXHxD)

445x74x337 mm - including feet, terminals and controls

445 x 64 x 302 mm - excluding feet, terminals and controls

Weight

Net: 8.7 kg Shipping: 10 kg

8200M Power Amplifier

Rated Output Power

125W (21dBW) /Channel into 8Ω, 20Hz - 20kHz

Input Sensitivity

1.12V rms for 120W into 8Ω

Input Impedance: 50kΩ

Load

Connected in parallel with INPUT

Gain

29.0 dB at 1 kHz

Signal To Noise Ratio (IHF, rel. 0.dBW)

Better than 96 dB

Frequency Response

20 Hz-20 kHz ±0.3 dB

0.1 Hz-75 kHz -3 dB.

Total Harmonic Distortion & Noise

Less than 0.05%

Polarity (Phase)

Non-Inverting

Muting

Muting controlled automatically

Operating Temperature Range

10-35°C

Power Requirements (Depending on Region)

50-60Hz 100V, 110-120V, and 220-230V models available
Maximum Power Consumption: 300 VA

Dimensions (WXHxD)

445x74x337 mm - including feet, terminals and controls

445 x 64 x 302 mm - excluding feet, terminals and controls

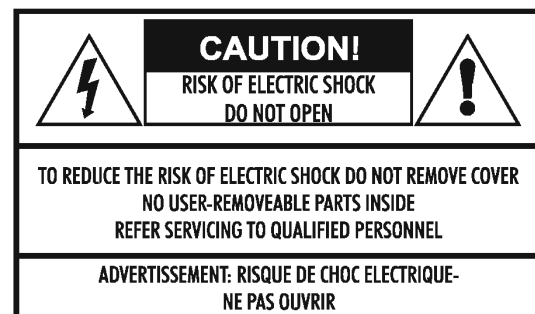
Weight

Net: 8.2 kg Shipping: 9.6 kg

Audiolab reserves the right to alter design and specification without prior notice. Specification may vary for different countries.

Audiolab is a member of the International Audio Group.

1: Statutory & Safety Information



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.

Read these instructions.

Keep these instructions. In the event that you pass the product to a third party this instruction manual should be provided along with the product.

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 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 wider 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 plugs, convenience receptacles, and the point where they exit from the apparatus.

Warning: Battery shall not be exposed to excessive heat such as the sunshine, fire or the like.

Use only attachments/accessories specified by the manufacturer.



Use only with a 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.

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: To reduce the risk of fire or electrical shock, do not expose this product to rain or moisture. The product must not be exposed to dripping and splashing and no object filled with liquids such as a vase of flowers should be placed on the product.

No naked flame sources - such as candles - should be placed on the product.

Caution: Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this device.

8200Q: 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 or television reception, which can be determined by tuning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Re-orientate or re-locate the receiving antenna. Increase the separation between the equipment and the 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.

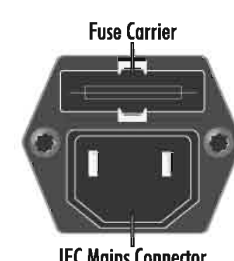
Important Note: The batteries supplied with the 8200Q handset should be treated with care and not punctured or damaged. Used batteries should be disposed of in full conformity with recycling regulations in your area. NEVER dispose of batteries in a fire or in the general rubbish.

Mains supply and safety

Mains Supply: The mains voltage of Audiolab units is shown on the rear panel. If this does not match the voltage in your area, consult your dealer. The mains supply fuse is on the rear panel. If it has broken, check for any obvious cause before replacing the fuse with one of the correct rating and type. The fuses for all areas are type T (time lag) AL 20mm.

The fuse values are:

8200Q:	220-230V: 1.0A	100-120V: 1.6A
8200M:	220-230V: 3.15A	100-120V: 5.0A
8200P:	220-230V: 4.0A	100-120V: 5.0A



The fuse is located in a slide-in carrier which also contains a spare fuse. The carrier can only be pulled out after the IEC power cord is unplugged. When the carrier is opened the first fuse is the spare. Remove and safely dispose of the blown fuse before replacing it.



Class II construction double insulated. These products must not be connected to earth.

Power Cord: An AC power cord is normally supplied with a mains plug suitable for your area. If you have any doubts, consult your dealer about obtaining a suitable power cord.

Important notice to UK users

The appliance cord is terminated with a UK approved mains plug fitted with a 5A fuse. If the fuse needs to be replaced, an ASTA or BSI approved BS1362 fuse rated at 5A must be used. If you need to change the mains plug, remove the fuse and dispose of this plug safely immediately after cutting it from the cord.

Connecting a Mains Plug

Warning: The mains plug is used as disconnect device, the disconnect device shall remain readily operable.

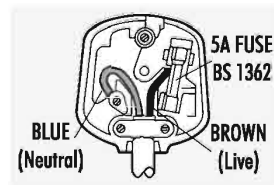
The wires in the mains lead are coloured in accordance with the code:

Blue: NEUTRAL; Brown: LIVE;

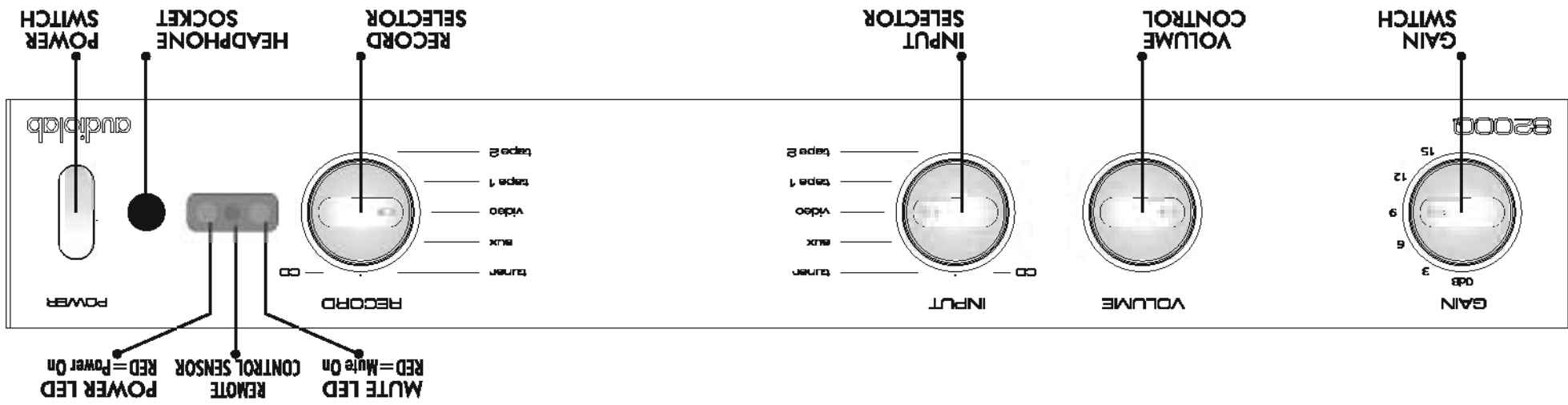
As these colours may not correspond to the coloured markings identifying the terminals in your plug, proceed as follows:

The BLUE wire must be connected

to the terminal marked with the letter N or coloured BLUE or BLACK. The BROWN wire must be connected to the terminal marked with the letter L or coloured BROWN or RED.



2a: Introduction- 8200Q



Unpacking

Unpack the product fully. The carton should contain

- The Audiolab 8200Q
- One IEC power cord suitable for your area
- One Remote Handset with two AA batteries

• This instruction manual

Report any damage or shortage to your dealer as soon as possible.

Retain the packing if possible. If you dispose of the packing, do so

with regard to any recycling regulations in your area.

Inserting Batteries in the Handset

The battery compartment is on the rear of the handset. Unwrap the

batteries, open the compartment cover and insert the batteries.

Follow polarity indications in the battery compartment. Replace

batteries in pairs. Use new batteries of the same type and rating.

Controls and Functions

Power Switch

When power is switched on the 8200Q is muted for 3 seconds.

Input Selector

Turn to select the listening source. The 8200Q mutes briefly when a

new input is selected.

Gain Switch

This enables you to operate the volume control over a wide area

while minimising noise. For initial installations, set gain to 9dB.

REDUCE Gain: high sensitivity loudspeakers, low level listening.

INCREASE Gain: low sensitivity loudspeakers, low output sources.

• When changing gain the 8200Q will briefly mute.

• Altering the gain will not affect the Record Outputs.

Volume Control

Adjusts playing volume. Always turn the volume up gradually.

Turn the volume down before changing inputs.

Record Selector

Turn to select source to record to Tape 1, Tape 2 or Video. You can

record to any CD, tape or other recorder with analogue inputs.

Record selector and input selector operate independently. It is

possible to record from any source whilst listening to another.

Mutea (available on the Remote Handset)

Flips the pre-amp output On/Off. Recording is unaffected.

Headphone Socket

Socket for connection of headphones. Unplug headphones when

not in use. Connecting headphones mutes the 8200Q.

5: Operation

Switching On

Make sure all the signal and loudspeaker connections to and from

the amp are secure and correctly made.

Plug the power cords into the pre-amplifier and the power

amplifier/s and then into the wall socket.

Switch on at the mains and then switch on the pre-amplifier

followed by the power amplifier/s.

The power indicators on all the units will light showing the system

is operational.

The 8200Q pre-amplifier may be operated via the front panel or

the remote handset.

When you have finished using the equipment switch off all the

power amplifier/s. Some enthusiasts prefer to leave the pre-

amplifier permanently switched on. If you do this, ensure that the

pre-amplifier is set to mute with the volume control at minimum.

Phase

It is essential that the loudspeaker connections are secure and with

the positive and negative terminals correctly connected.

This becomes especially important in bi-wired and bi-amplified

systems where the effects of one or more incorrectly connected (out

of phase) loudspeakers may severely impact the sound and yet be

difficult to detect.

If the sound appears muddled and lacking clarity this may be

because one or more speaker connections are not correctly made.

Always check loudspeaker connections carefully when you have

made any alteration to your system.

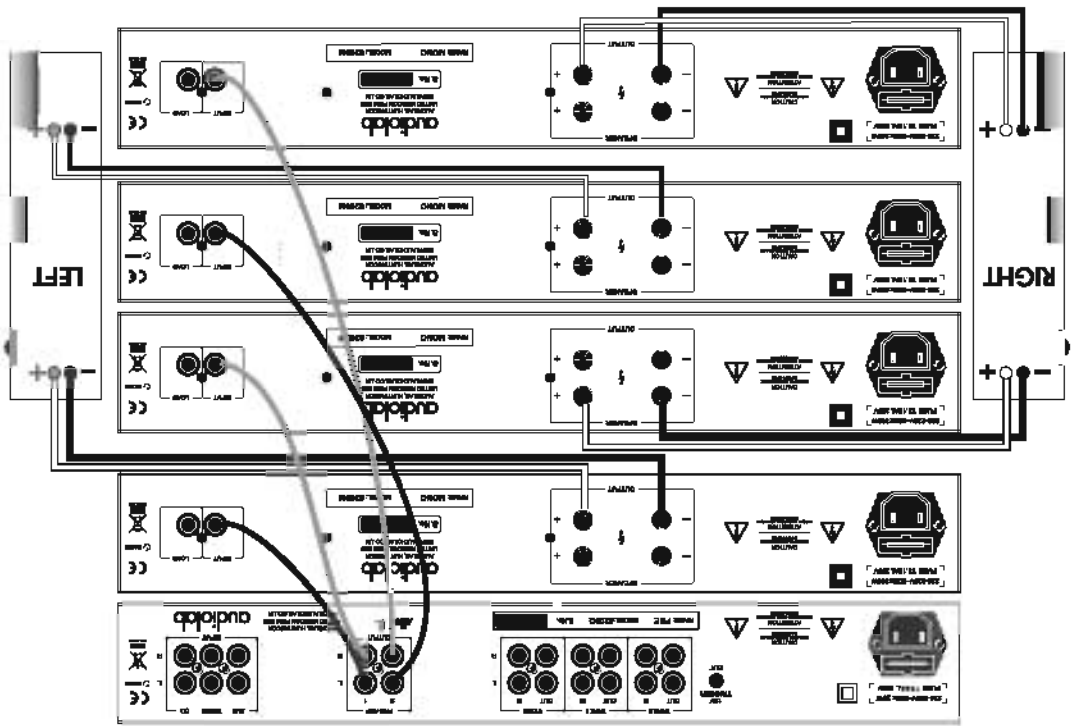
Maintaining Connections

Connections should be checked periodically. If necessary the plugs

should be cleaned with a proprietary cleaner or, in the case of

loudspeaker connections, freshly re-made.

Bi-Amplified connection- 8200Q with four 8200M power amplifiers



6: Service

Running In

the IAG Service Centre.

Always telephone before returning any

equipment.

A note should be enclosed giving your

name, address, telephone number, and a

brief description of the reason for return.

If you require Service outside the Warranty

period, do not hesitate to contact your

dealer.

Service Address - UK

IAG Service Centre

Unit 4

St Margaret's Way

Stukeley Meadows Industrial Estate

Huntingdon

PE29 6EB

England

Tel: +44 (0)1480 452561

Fax: +44 (0)1480 13403

Service

Servicing of Audiolab products should only

be carried out by authorised service

agents. If service is required the

equipment should be returned, securely

packaged, preferably using original

packaging, to your dealer.

Care & Cleaning

While cleaning is in progress the AC power

cord must be unplugged from the AC

power supply socket.

Grease or dirt on the equipment may be

removed with a soft, lint-free cloth slightly

moistened with a mild solution of warm

water and detergent or washing-up liquid.

Do not use any other solutions or solvents.

If you have any queries regarding the use

of Audiolab equipment, consult your

dealer.

Volume

Press VOL+/- to raise or lower the volume. The

VOLUME control on the front panel turns

selected manually.

If you wish to record, the record input must be

selected on the front panel turns.

Press to select listening source. The INPUT

selector on the front panel turns.

Toggle mutes On/Off.

Buttons shown in white control the 8200Q.

Buttons shown in grey operate Audiolab CD

players and have no effect on the 8200Q.

As the handset uses RCS coding it will operate

many CD players. Check with your dealer.

Remote Handset

MUTE LED

RED = Mute On

POWER LED

RED = Power On

REMOTE CONTROL SENSOR

HEADPHONE SOCKET

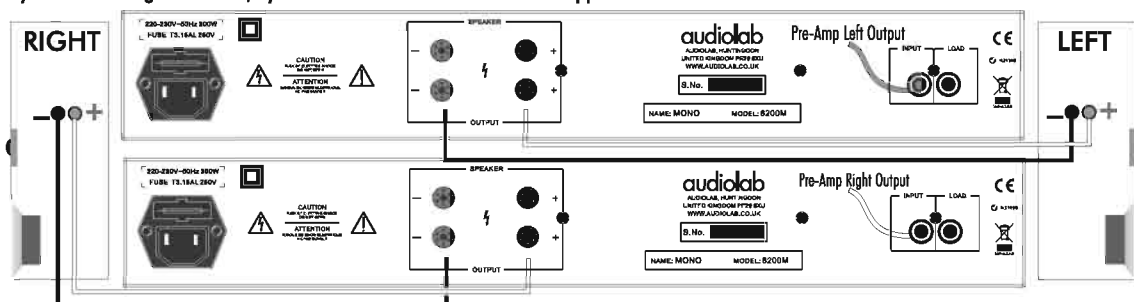
POWER SWITCH

4: Connecting Loudspeakers

Switch power off when making connections

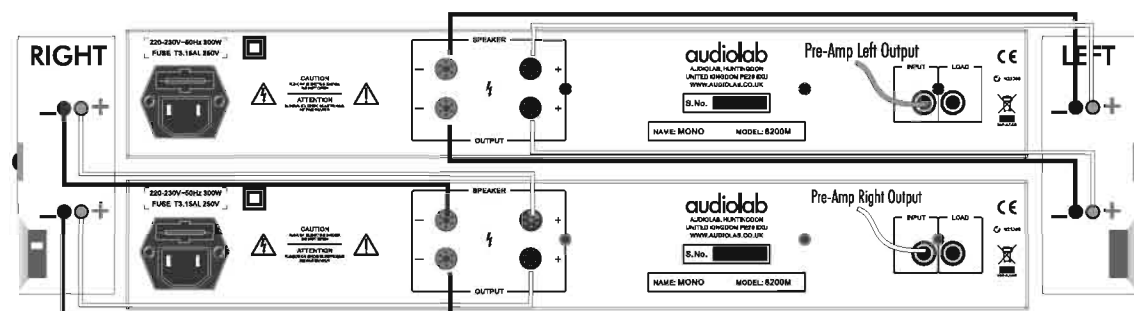
8200M - Standard Loudspeaker Connection

If you are stacking the 8200M, by convention the Left Channel is the upper connection



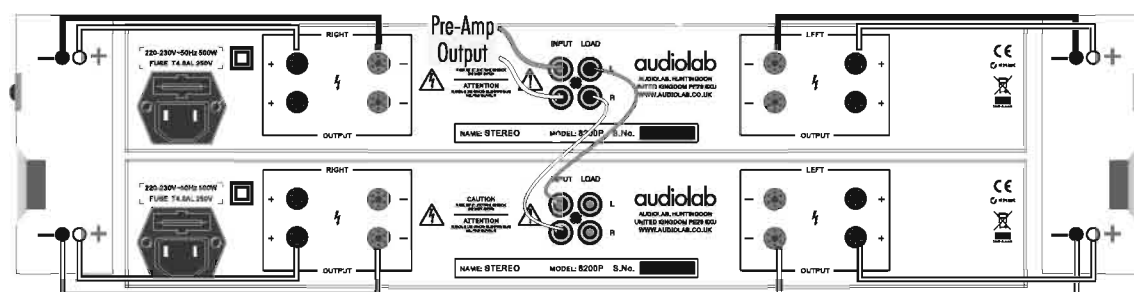
8200M - Bi-Wired Loudspeaker Connection

Bi-wiring offers improved sound quality because high and low frequency signals are carried individually to the loudspeaker drive units.



8200P - Bi-Amplified Loudspeaker Connection

The principle of Bi-wiring can be extended by using a dedicated power amplifier for each loudspeaker drive unit



Standard and Bi-Wired loudspeaker connections using the 8200P are shown in Section 3a.

Connecting Loudspeakers

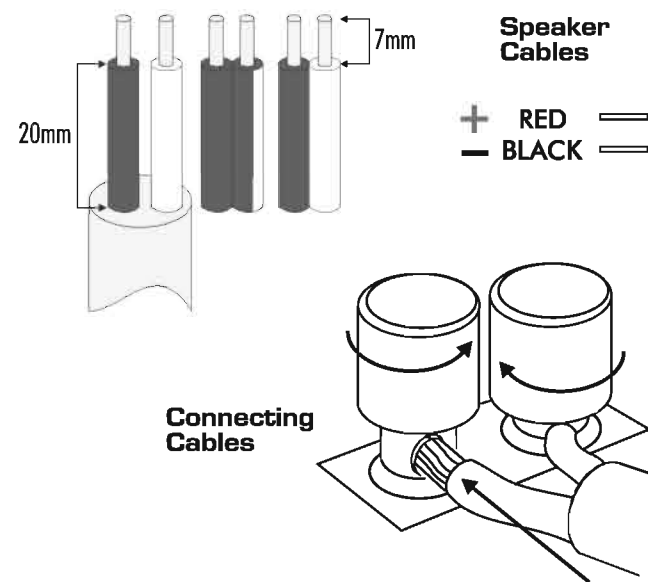
Switch power off when connecting loudspeakers.

Use good quality low resistance loudspeaker cable.

Connect the Positive RED (+) terminal of the amplifier to the Positive (+) RED terminal of the loudspeaker. Connect the Negative (-) BLACK terminals similarly.

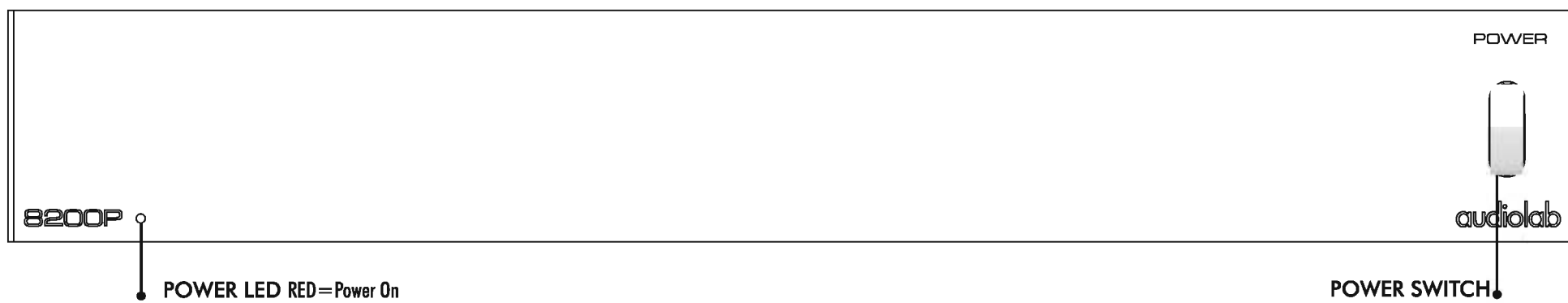
Tighten the loudspeaker terminals securely by hand. Make there are no loose strands of wire which could cause shorts.

When bi-wiring loudspeakers, make sure you remove the straps connecting the HF and LF terminal pairs.



2b: Introduction- 8200P & 8200M

8200P



8200M



Unpacking

Unpack the product fully. Each carton should contain

- The appropriate Audiolab Power Amplifier
- One IEC power cord suitable for your area
- This instruction manual

Report any damage or shortage to your dealer as soon as possible.

Retain the packing if possible. If you dispose of the packing, do so with regard to any recycling regulations in your area.

Power Switch

When any Audiolab power amplifier is switched on, the output remains muted for 8 seconds. After 8 seconds you will hear the safety relay switch on and the system will now be operational.

When the amplifier is powered the red power indicator will light.

Power Amplifier Protection Circuits

Short Circuit Protection: If the output terminals are connected together or there is a short caused by a faulty speaker or connecting lead, the amplifier will mute and un-mute until the fault condition is removed.

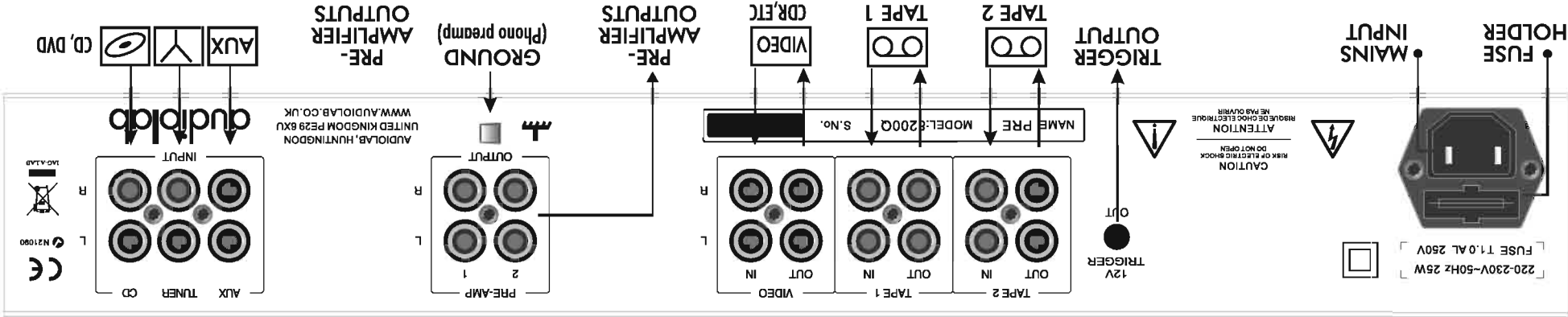
DC Offset Protection: If there is an internal or external fault which may cause DC voltage to be presented to the loudspeaker, the amplifier will mute and stay muted until the fault is removed.

Thermal Protection: If the amplifier is driven excessively for long periods, or the output devices are pushed beyond their safe operating area, the amplifier will switch off and then switch back on again when it has cooled down.

In all cases, if the amplifier does not respond to remedial action, consult your dealer.

3a: Connections - 8200Q

Switch power off when making connections



8200Q Connections

The six inputs may be used for connecting any line level source:

CD, TUNER, AUX, VIDEO IN, TAPES 1 IN, TAPES 2 IN

Three sets of record outputs for connection of up to three stereo

audio recorders, e.g. tape recorder, CD recorder, audio

recording input of VCR, DVD, MP3, Minidisc recorder, etc.

PRE-AMP OUT 1 & 2

Low impedance (100 ohm) outputs for driving external power

amplifiers, sub-woofers or signal processors. Long cables may

be used if required. Pre-amp outputs are switched off when

GROUND

Use only if phono pre-amplifier and turntable are used and

both are Class II double insulated (no earth connection). In this

case the ground terminal can be connected to the metalwork of

these units to eliminate residual hum. The ground terminal

must not be used as a safety earth. If in doubt consult your

12V TRIGGER

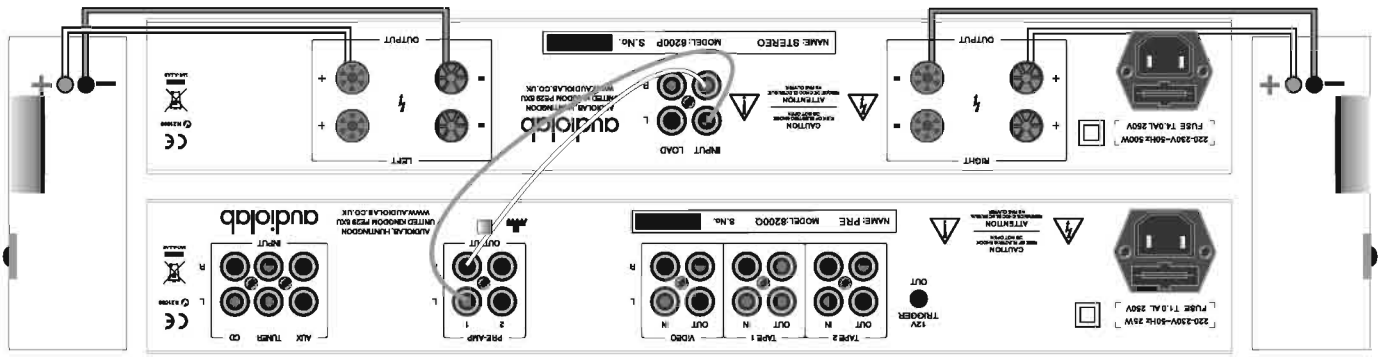
This is a 3.5mm jack socket. When connected to the trigger

input of a power amplifier (e.g. the Audiolab 8200MB) the

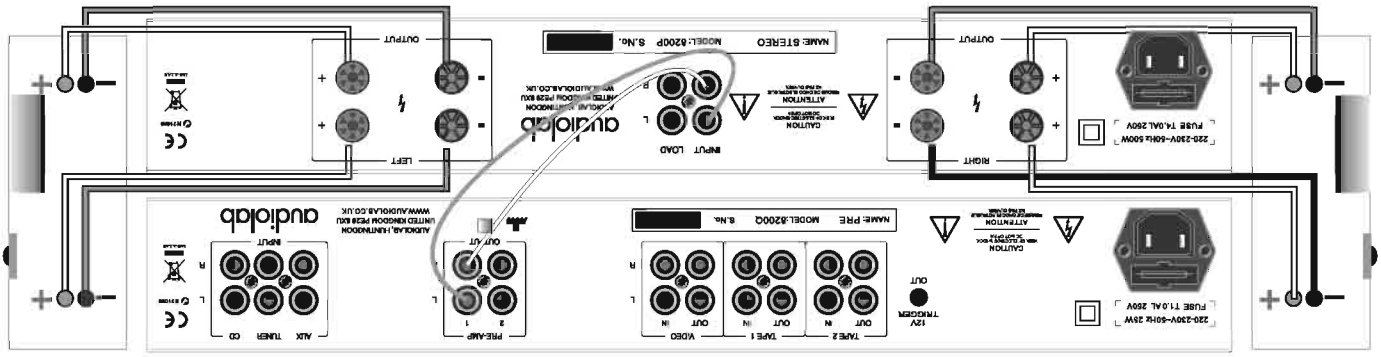
8200Q pre-amplifier and any associated power amplifiers

can be simultaneously brought in and out of Standby.

Connecting the 8200P to the 8200Q - Standard Speaker Connection

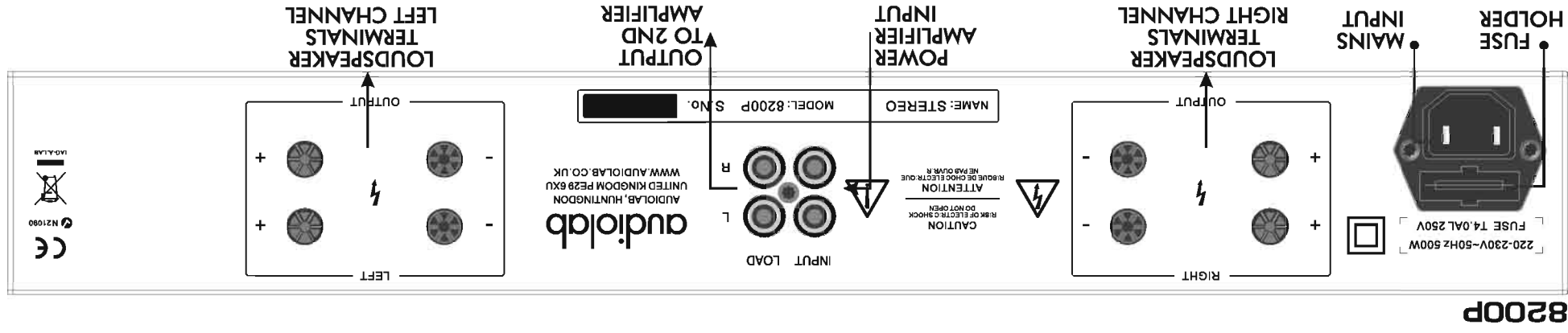


Connecting the 8200Q to the 8200P - Bi-Wired Speaker Connection



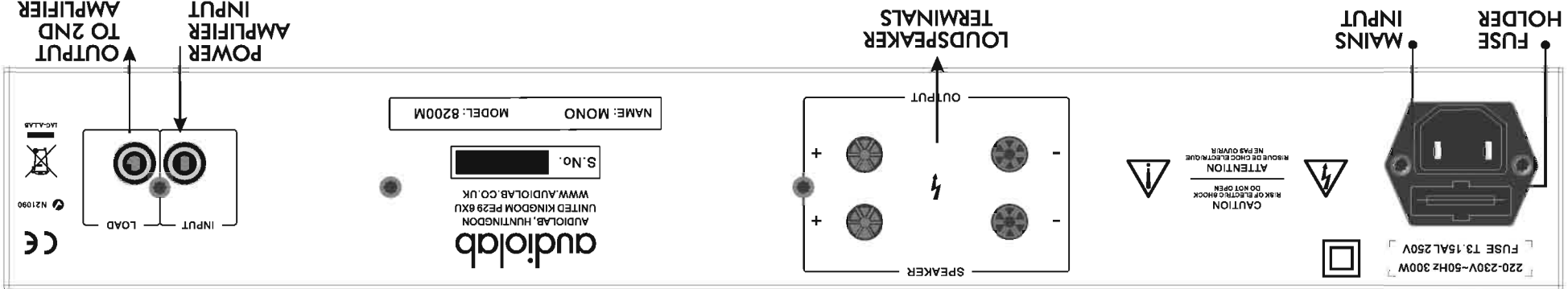
3b: Connections - 8200P & 8200M

Switch power off when making connections



8200M

8200P



Input

For connecting a pre-amplifier or other line level source. Do not connect directly to a CD player or other source unless the source has its own fully adjustable volume control.

Load

Connected in parallel with the input. Use to connect a second power amplifier, either to bi-ampify or to run remote loudspeakers.

Loudspeaker Terminals - 8200P

Each channel has two sets of loudspeaker terminals connected in parallel. The second pair is to facilitate bi-wiring, etc.

Loudspeaker Terminals - 8200M

There are two sets of loudspeaker terminals connected in parallel.

Good Practice

- Use good quality screened interconnects for signal connections
- When running long connections between pre-amplifier and power amplifier, ensure the pre-amplifier has a low output impedance (< 600Ω) and use low capacitance cables.
- Never run long signal cables close or parallel to mains cables.
- Loudspeaker cables should be low resistance cables designed for audio use - not general purpose 'bell' or 'zip' wire.
- Before first use, run power amplifiers for a few hours with the source equipment set to mute or the volume control turned to minimum. This enables the components to 'burn in'.

Running In

Typically, for bi-ampifying, one would use two 8200P or four 8200M amplifiers. However, the 8200M and 8200P can be used together in a bi-amplified stereo configuration where two 8200M amplifiers drive the bass channels and one 8200P drives the treble channels. Each channel should have the same configuration of amplifiers. Both the 8200M and the 8200P can be used in conjunction with the 8200S integrated amplifier for multi-amping.

Combinations of amplifiers in a multi-channel system should have the same gain and phase characteristics or imbalance will result. We recommend the use of Audiolab amplifiers throughout such a system. Current Audiolab amplifiers are gain and phase compatible with previous models.

When not in use, the power amplifiers should be switched off.

Multiple Combinations of Audiolab Power Amplifiers