8000S
Integrated Amplifier

User Instructions
### 1: Statutory & Safety Information

**CAUTION:**

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

**WARNING:**

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 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 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.

Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the equipment.

Never dispose of batteries in a fire or in the general rubbish.

Dispose of batteries in full conformity with recycling regulations in your area. Avoid puncturing or damaging batteries. Used batteries should be handled with care and not placed near naked flames such as candles due to the risk of explosion in the battery.

Do not use this apparatus near water.

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.

**WARNING:**

Moisture, does not operate normally, or has been dropped.

Maintenance and cleaning:

- If there is an internal or external fault which may cause DC voltage to be present at the terminals, refer all servicing to qualified service personnel.

**Equipment protection:**

- The mains operating voltage of all Audiolab units is 50-60 Hz 100 V, 110-120 V, and 220-240 V models available.

**Mains supply and safety**

**Mains Supply:** The mains operating voltage of all Audiolab units is shown on the rear panel. If this does not match the voltage in your area, consult your dealer.

**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 code 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 of 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.

### 6: Specifications 8000S

<table>
<thead>
<tr>
<th><strong>Rated Output Power</strong></th>
<th>60 W (18 dBW) per channel into rated load impedance (8 Ohms) with both channels driven</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Inputs</strong></td>
<td>CD, TUNER, AUX, VIDEO, TAPE 1, TAPE 2: 125mV/30kΩ C, IHF POWER AMP: 782mV/47kΩ C</td>
</tr>
<tr>
<td><strong>Gain</strong></td>
<td>PRE-AMP: 99 @ 1 kHz, POWER AMP: 29.0 dB @ 1 kHz</td>
</tr>
<tr>
<td><strong>Signal To Noise Ratio</strong></td>
<td>CD, TUNER, AUX, VIDEO, TAPE 1, TAPE 2: Better than 85dB@1kHz, 0.5% pre-amp output</td>
</tr>
<tr>
<td><strong>Frequency Response</strong></td>
<td>POWER AMP: better than 85dB@1kHz, 0.0% pre-amp output</td>
</tr>
<tr>
<td><strong>Total Harmonic Distortion &amp; Noise</strong></td>
<td>Less than 0.07%</td>
</tr>
<tr>
<td><strong>Channel Balance</strong></td>
<td>Within 1 dB</td>
</tr>
<tr>
<td><strong>Channel Separation</strong></td>
<td>Better than 60 dB @ 1 kHz any input</td>
</tr>
<tr>
<td><strong>Crosstalk</strong></td>
<td>Better than 80 dB @ 1 kHz</td>
</tr>
<tr>
<td><strong>Polarity (phase)</strong></td>
<td>Non-inverting for all inputs and outputs</td>
</tr>
<tr>
<td><strong>Pre-amp Output</strong></td>
<td>PRE OUT 1 and PRE OUT 2. Output Impedance 100Ω</td>
</tr>
</tbody>
</table>

**Headphone Output**

Output impedance: 30kΩ (Suitable for headphones & 8Ω C impedance)

**Record Output**

VIDEO OUT, TAPE 1 OUT, TAPE 2 OUT. Output impedance: 1kΩ.

**Muting**

Muting controlled manually or automatically

**Accessories Supplied**

AC Power Cord

Instruction Manual

IBDRC Remote Control with 2 x AA batteries

**Colour**

Silver

**Operating Temperature Range**

10-35 °C

**Power Requirements (Depending on Region)**

- 50-60 Hz 100 V, 110-120 V, and 220-240 V models available
- Maximum Power Consumption: 440 VA

**Dimensions (WHD)**

445 x 76 x 335 mm - including feet, terminals and controls

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

**Weight**

Net: 7.4 kg

Shipping: 8.4 kg

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

**Audiolab is a member of the International Audio Group.**

**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/or limit the output until the fault is removed.

**DC Offset Protection:** If there is an internal or external fault which may cause DC voltage to be present at the loudspeaker, the amplifier will mute and/or 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 a normal control, consult your dealer.**
5: Service and Warranty

Servicing
Servicing of Audiolab products should only be carried out by authorised service agents. If service is required the equipment should be returned, securely packed, preferably using original packaging, to your dealer. In the USA equipment may be returned to the IAG Service Centre. In the USA equipment may be returned to the Service address shown on this page.

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.

While cleaning is in progress the AC power cord must be unplugged from the AC power supply socket.

Any 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.

Service Addresses, UK & USA

IAG Service Centre

Unit 4

St Margaret’s Way

Shepley Meadows Industrial Estate

Huntingdon

Cambs

PE28 6EB

USA

Tel: +1 508 850 3905

Fax: +1 508 850 3905

IAG America, Inc.

15 Walpole Park South

Walpole

MA 02081

Unpacking

Unpack the product fully. The carton should contain

- The Audiolab 8000S integrated amplifier
- One IEC power cord suitable for your area
- One Remote Handset with two AA batteries
- This instruction manual.

If any item is missing or damaged report this to your dealer as soon as possible.

Retain original packaging for transporting equipment. If you have any queries regarding the use of Audiolab equipment, consult your dealer.

Inserting Batteries in the Handset

The battery compartment is on the rear of the handset. Unplug the batteries, open the compartment cover and insert the batteries. Follow the polarity indications in the battery compartment. Always replace batteries in pairs. Use new batteries of the same type and rating, ideally from the same manufacturer.

Controls And Functions

Power Switch

When power is switched on the 8000S is muted for 8 seconds.

Always switch the power off before changing connections.

Input Selector

Turn to select the listening source. The 8000S mutes briefly when a new input is selected.

Volume Control

Adjusts playing volume. Always turn the volume up gradually.

Record Selector

Turn to select source to record to Tape 1, Tape 2 or Video. The connections can also be used to connect to any recorder with analogue inputs such as CD, MP3, DAT, recorder, etc.

Remote Handset

Buttons shown in white control the 8000S. Buttons shown in grey operate Audiolab CD players and have no effect on the 8000S.

As the handset uses RCS coding it will operate many other players. Check with your dealer.

Mute

Press to raise or lower the volume. The VOLUME control on the front panel takes over.

Volume

Press to mute or unmute the equipment. The VOL control on the front panel takes over.

Remote Switch Control

Press to select listening source. The INPUT selector on the front panel must be set accordingly.

 tame mutes or unmutes when the MODE switch on the front panel is on or off. Does not function if the MODE switch on the front panel is set to mute.

Input

Press to select listening source. The INPUT selector on the front panel must be set accordingly.

Mode Switch

Select integrated when using 8000S as an integrated amplifier. Select mono to turn off pre-amplifier outputs, headphones or headsets. See section 4 for further details.

Headphone Socket

Socket for connection of headphones. Unplug headphones when not in use. Connecting headphones mutes the headphone sockets and disconnects the pre-amplifier outputs and power amplifier inputs.

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, negligent or careless operation or handling of the product which is in part 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 not purchased from an Audiolab authorised dealer.
- Products that were not used at the time of original purchase.
- Products sold as ‘as is’ 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 particular 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 or 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 authorized 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 distributors.

Certain countries outside the UK and USA may have different laws which apply to you. This warranty gives you specific legal rights, and you may have other statutory rights, which vary from country to country or state to state.

5: Service and Warranty
3: Input & Output Connections

Signal Connections
CD, TUNER, AUX, VIDEO IN, TAPE 1 IN, TAPE 2 IN
The six inputs may be used for connecting any line level source.

VIDEO OUT, TAPE 1 OUT, TAPE 2 OUT
Three sets of output jacks are provided for linking to a TV or monitor, or connection to a tape recorder. Long cables may be used if required. The power amplifier outputs are switched off when the pre-amplifier section is selected or whenever the amplifier is muted.

POWER AMP IN
For driving the power amplifier input directly from an external source. Only operates when the pre power AV mode is selected.

LOUDSPEAKER TERMINALS
Two sets of speaker output terminals connected in parallel.

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 dealer.

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 (+) terminal of the loudspeaker. Connect the negative (-) BLACK terminal similarly.

Standard Loudspeaker Connection
You can connect a speaker switching box or headphone adaptor to the unused set of speaker terminals.

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

Connecting Cables

4: Operation

Operating Modes
Although the 8000S is an integrated amplifier, it can be used as a separate pre-amplifier and power amplifier. This allows the unit to be used in a variety of stereo and multichannel modes.

NOTE: When switching modes, the making and breaking of connections may momentarily operate the muting function on the 8000S.

Integrated Mode
The pre-amplifier section is internally connected to the power amplifier. Pre-amp outputs are not operational. External subwoofers, processors, or amplifiers will not receive any signal.

Pre-Power Mode
The pre-amplifier section is internally connected to the power amplifier. The pre-amplifier outputs are operational. A powered subwoofer can be connected to the pre-amplifier outputs. A second power amplifier can be connected for bi-amplifying as shown in the diagram. An additional power amplifier can also be connected to drive a second pair of speakers in a remote location.

Pre Mode
All signals to and from the power amplifier of the 8000S are disconnected. In this mode, the 8000S functions as a stand-alone pre-amplifier. The pre-amplifier section of the 8000S can be connected to a stereo power amplifier, or to two monobloc amplifiers.

Pre-Power AV
The pre-amplifier and power amplifier sections operate independently. This mode can be used to connect a multichannel AV processor.

The processor should be connected via any spare tape output or, as an alternative, one of the pre-amp outputs.

Switching On
Make sure all the connections to and from the amp are secure and correct. Make sure the operating mode is correctly set. Plug the power cord into the wall socket and the amplifier. Switch on at the mains and then switch on the 8000S. The power indicator lights. The unit is operational. The amplifier may be operated via the front panel or the remote handset. NOTE: Selecting MUTE from the front panel will disable the mute function on the handset. To restore normal operation, select an operating mode.