8000TE

AM/FM Stereo Tuner

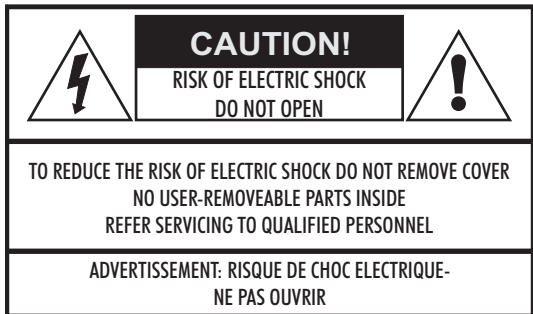Audiolab 8000TE

8000TE

TUNE   FM/AM   POWER

◀   ▶

PRESET   STORE   audiolab
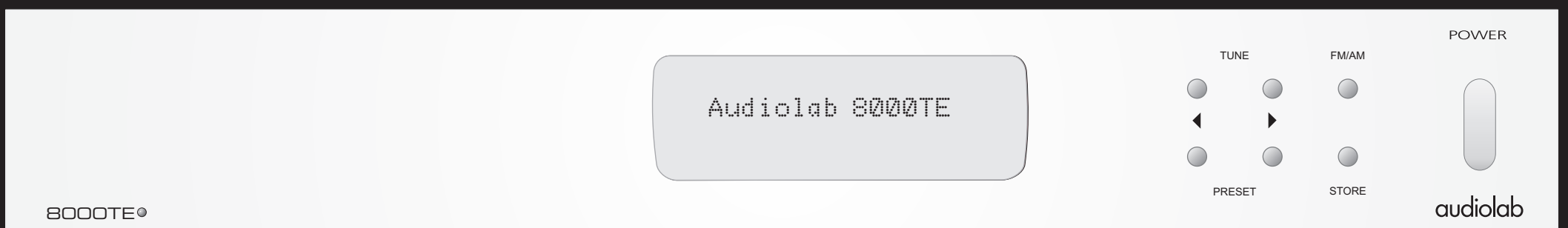
User Instructions

audiolab

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 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 apparatus.

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.

This equipment has been tested and found to comply with the limits for a Class B digitial 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 turning 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 this unit 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 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.

The mains supply fuse is located on the rear panel of the unit. If it has broken, check for any obvious cause before replacing the fuse with one of the correct rating and type. The fuse values are:

220 - 240V (UK, Korea, etc.)   T 1AL 20mm Slow Blow
100 - 120V (USA, Japan, etc)   T 1.6AL 20mm Slow Blow

Fuse Carrier

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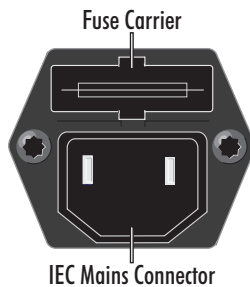
The fuse is located in a slide-in carrier which also contains a spare fuse. The fuse carrier can only be pulled out after the IEC power cord is unplugged. When the carrier is opened the first fuse to be seen is the spare fuse. Remove and safely dispose of the fuse with the blown link before replacing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

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.

☐ Class II construction double insulated. This product must not be connected to earth.

Important notice to UK users

The appliance cord is terminated with a UK approved mains plug fitted with a 3A 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

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.

3A FUSE
BS 1362
BLUE (Neutral)
BROWN (Live)
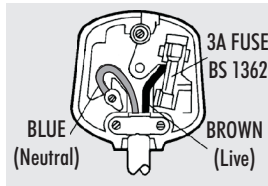
4b: Operation - 2

Tuning an AM station

Select **AM** via the FM/AM key on the front panel or press the AM key on the handset.

Manual Tuning: Repeatedly press a Tuning key as indicated. The tuning will advance up or down in 9 kHz steps (Europe) or 10 kHz steps (USA).

Auto Tuning: Press and hold a Tuning key. The word `Search` will briefly display and the tuner will scan up or down the band.

When a station is detected the search will stop and the station will display. If the station has been stored in a preset the preset number will be displayed.

`MW 10  999 KHz`

Storing a station

You can preset up to 30 stations

Manual Presetting

1: Tune the wanted station.

2: Press the STORE key once. The preset number will flash

`MW 10  999 KHz`

3: Press the PRESET UP/DOWN keys to change the preset number. If you are using the handset you may enter the number directly via the keypad

`MW 20  999 KHz`

4: Press the STORE key once more. The preset number will stop flashing and the station will be stored in the new preset number.

`MW 20  999 KHz`

Auto Search and Store

Press and hold the STORE key. The tuner will scan up the AM band. When a usable station is detected it will be stored in a preset. When 30 stations are stored the scan will stop. If there are less than 30 stations the scan will stop when the band has been searched.
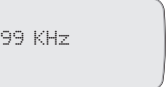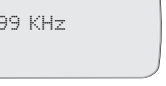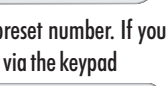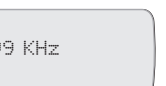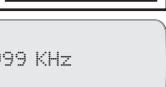
Recalling a Preset

• Press the PRESET UP/DOWN keys to access the preset number. All the preset stations can be recalled in succession.

• Directly enter the Preset Number via the handset.

Switching Off

After use, switch the tuner off. All the preset and station information are fully retained in the tuner memory indefinitely.

Additional Functions

These functions are available only via the handset.

Switching the Display On and Off

• Press the Display key on the handset to switch the 8000TE display ON and OFF. The Power Indicator light will always stay on as a visual indication that the unit is powered.

Operating any function on the tuner will toggle the display on briefly. After the function has been executed the display will again power off.

Switching the 8000TE off and on with the POWER switch will fully restore the display.

Switching RDS Information On and Off

Most FM stations display station and other information via RDS.

Repeatedly pressing the PROG/INFO key on the handset will enable you to access all the additional text information the station may be putting out.

To disable RDS, keep pressing the PROG/INFO key on the handset until the line carrying the RDS information disappears.

`FM 20 99.90MHz ST`
`    BBC R3`
→
`FM 20 99.90MHz ST`

To re-enable RDS, press the PROG/INFO key on the handset again. The RDS information will be restored.

If you are listening to an FM station that is NOT broadcasting RDS and you press the PROG/INFO key the display will briefly indicate `No RDS` and then revert to the station display.

`FM 20 97.90MHz ST`
`    No RDS`
→
`FM 20 97.90MHz ST`

5: Specifications

Tuning Parameters (Europe)

FM: 87.5 to 108.0 MHz (50kHz steps)
AM: 531 to 1602 kHz (9 kHz steps)
Stereo FM De-Emphasis 50 μs

Tuning Parameters (USA)

FM: 87.5 to 108.0 MHz (100kHz steps)
AM: 531 to 1602 kHz (10 kHz steps)
Stereo FM De-Emphasis 75 μs

Sensitivity (IHF)

5dBμv (typical)

S/N Ratio

Typically -73dB

THD

Typically 0.5% Mono and Stereo

Stereo Separation

Typically 36dB

Output Level

1V RMS

General Specifications

Operating Temperature Range:
10°C-40°C (ambient)

Power Requirements: (Depending on Region)
50-60Hz 100 V, 110-120 V, and 220-240 V models available

Power Consumption:
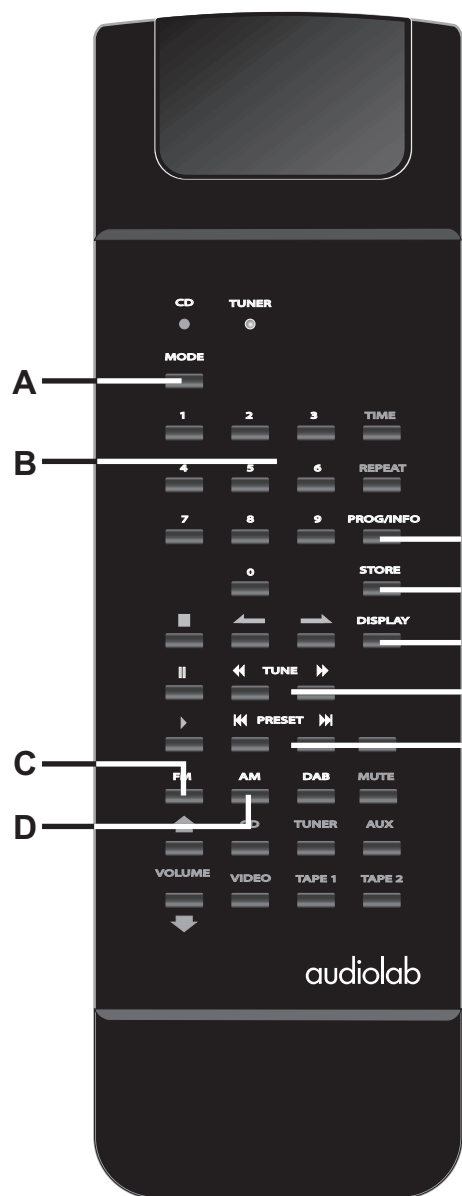Less than 25W

Dimensions (W x H x D):
445 x 74 x 335 mm - including feet, terminals and controls

Weight
Net: 5.2 kg

3: Remote Control Handset

Handset

A
B
C
D
E
F
G
H
I

Key to Operating Controls

A	MODE	Set the handset to control the 8000TE
B	Numeric keys 0-9	Store/Recall a Preset
C	FM	Select FM
D	AM	Select AM
E	Prog/Info	Display/Hide RDS info
F	Store	Stores current station in a preset
G	Display	Cycle display on/off
H	Tune ⏭	Tune up the AM/FM band
	Tune ⏮	Tune down the AM/FM band
I	Preset ⏩	Step to next preset
	Preset ⏪	Step to previous preset
	CD	Selects CD input on 8000 amplifier
	Tuner	Selects Tuner input on 8000 amplifier
	Aux	Selects Aux input on 8000 amplifier
	Tape1	SelectsTape1 input on 8000 amplifier
	Tape2	Selects Tape2 input on 8000 amplifier
	Video	Selects Video input on 8000 amplifier
	Vol +	Increases volume on 8000 amplifier
	Vol -	Decreases volume on 8000 amplifier
	Mute	Mutes volume on 8000 amplifier

Description

The 8000 Series handset is a universal handset for operating Audiolab 8000 series CD players, tuners and amplifiers.

To set the handset to operate the tuner, press the MODE key. The small led indicator will light briefly showing the handset is in "tuner mode".

In the Drawing:
The buttons shown in **white** control the 8000TE.
The buttons in **grey** operate other Audiolab equipment.

In the Key:
The key descriptions shown in **black** control the 8000TE
The key descriptions in **grey** control 8000 series preamps and integrated amplifiers.
If a key function is not described, it has no relevance to the handset in "tuner mode".

Inserting Batteries

The battery compartment is on the rear of the handset. Unwrap 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. Used batteries should be disposed of in compliance with the recycling regulations in your area. Never throw batteries in the fire or in the general rubbish. Never immerse batteries in water.
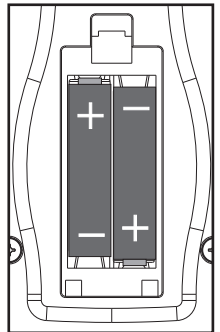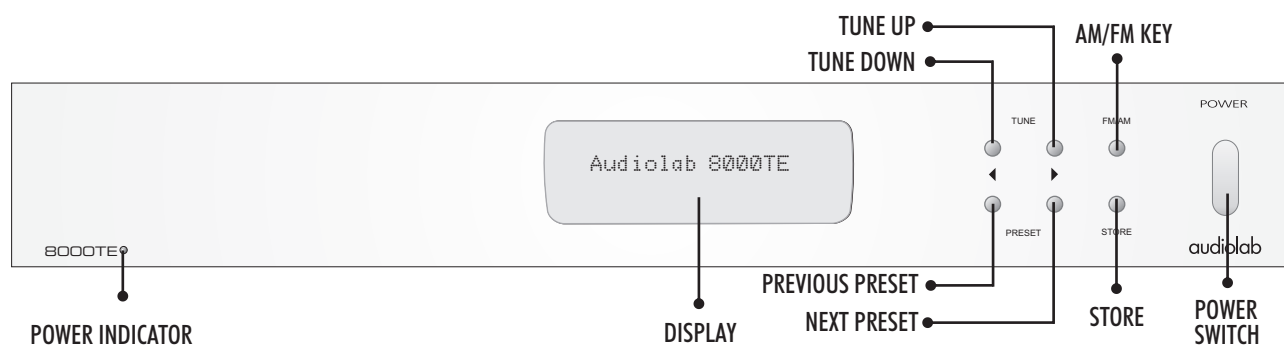

Handset Operation

Press the MODE key. Confirm that the led indicator under the TUNER icon lights up.

To operate, point the handset to the left of the display. Ensure there is a clear line of sight between the handset and the player. The operating range of the handset is ideally within 8m of the player.

If at any time the handset fails to operate the 8000TE but operates other Audiolab equipment, the MODE key has been wrongly set.

NOTE: The handset uses the RC5 code structure. The handset may be capable of operating equipment from some other manufacturers but it is unlikely that all handset commands will be executed.

4: Operation

TUNE UP
TUNE DOWN
AM/FM KEY
Audiolab 8000TE
POWER
8000TE
PREVIOUS PRESET
POWER INDICATOR
DISPLAY
NEXT PRESET
STORE
POWER SWITCH

Controls

The front panel controls permit basic operation; access to advanced operating modes is via the handset.

Switching On

Press to switch the power on. Press again to switch the power off. When the power is switched on the 8000TE initialises. The pilot light on the front panel is lit whenever the power to the unit is switched on. The display briefly indicates... `Audiolab 8000TE`

In operation the tuner will power on in the state it was when last used.

Tuning an FM station

Select **FM** via the FM/AM key on the front panel or press the FM key on the handset.

Manual Tuning: Repeatedly press a Tuning key as indicated. The tuning will advance up or down in 50kHz steps(Europe) or 100kHz steps (USA).

Auto Tuning: Press and hold a Tuning key. The tuner will enter search mode. The word `Search` will briefly display and the tuner will scan up or down the band.

When a station is detected the search will stop and the station will display. If the station is broadcasting RDS data (RBDS in the USA), this will display on the lower line as scrolling text.

If the station has already been stored in a preset the preset number will also be displayed.


```
FM 10  99.90MHz  ST
        BBC R3
```
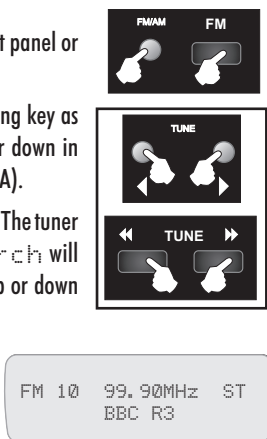
Storing a station

You can preset up to 30 stations and instantly recall any of them.

Manual Presetting

1: Tune the wanted station.

2: Press the STORE key once. The preset number will flash


```
FM 10  99.90MHz  ST
       BBC R3
```

3: Press the PRESET UP/DOWN keys to change the preset number. If you are using the handset you may enter the number directly via the keypad


```
FM 20  99.90MHz  ST
       BBC R3
```

4: Press the STORE key once more. The preset number will stop flashing and the station will be stored in the new preset number.
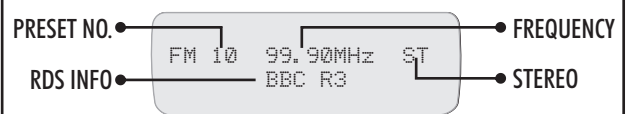


```
FM 20  99.90MHz  ST
       BBC R3
```

Auto Search and Store

Press and hold the STORE key. The tuner will scan up the FM band. When a usable station is detected it will be stored in a preset. When 30 stations have been stored the scan will stop. If there are less than 30 stations available the scan will stop when the entire band has been searched.

```
FM  1 87.50MHz
    Auto Search
```
→
```
FM 30 100.6 MHz  ST
       Classic
```

FM Display

PRESET NO.
RDS INFO

```
FM 10  99.90MHz  ST
       BBC R3
```

FREQUENCY
STEREO

AM (Medium Wave) Display

PRESET NO.

```
MW 10  999 KHz
```

FREQUENCY

NOTE: The usable distance of an FM transmitter is typically 120km. In an urban area there may be several versions of the same station available, only one of which is at full strength. So you may find that all 30 presets have been filled with different versions of a few stations. In the example you will see that the scan has stopped with barely half the band scanned. In this case it is better to do a manual search and preset the wanted stations individually.

Recalling a Preset

• Press the PRESET UP/DOWN keys to access the preset number. All the preset stations can be recalled in succession.

• Directly enter the Preset Number via the handset.

Stereo or Mono?

Noise-free stereo needs a stronger signal than mono. If your aerial is less than ideal or the station is weak or distant, setting the tuner to mono will greatly improve the noise performance, at the expense of a loss of stereo.

To force the tuner to mono:

• Press and hold the FM/AM key on the Front Panel.

• Press and hold the FM key on the handset.

The word `Mono` will briefly appear and the station will be forced into Mono. The Stereo indicator will be extinguished.

```
FM 30 100.6 MHz  ST
     Mono
```
→
```
FM 30 100.6 MHz
     Classic
```

To restore stereo reception, repeat the procedure.

Servicing

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.

In the UK 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.

Retain original packaging for transporting equipment.

If you have any queries regarding the use of Audiolab equipment, consult your dealer.

Service Addresses

UK: IAG Service Centre
Unit 4, St Margaret's Way
Stukeley Meadows Industrial Estate
Huntingdon, Cambs
PE29 6EB
England
Tel:+44 (0)1480 452561   Fax: +44 (0)1480 413403

USA: IAG America, Inc.
8440 154th Avenue NE
Redmond, Washington 98052
USA
Tel: +1 425 861 3909 Fax: +1 425 861 3906

Asia: IAG.
Room 2310 - 2311, Press Building,
Shennan Road C, Shenzhen, China.
Tel: +86-755-82091200 Fax: +86-755-82091205

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 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 not purchased from an Audiolab authorised dealer.
- 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.

Packing, 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.

FUSE HOLDER   MAINS INPUT   SIGNAL OUTPUTS   FM ANTENNA INPUT   AM ANTENNA INPUT
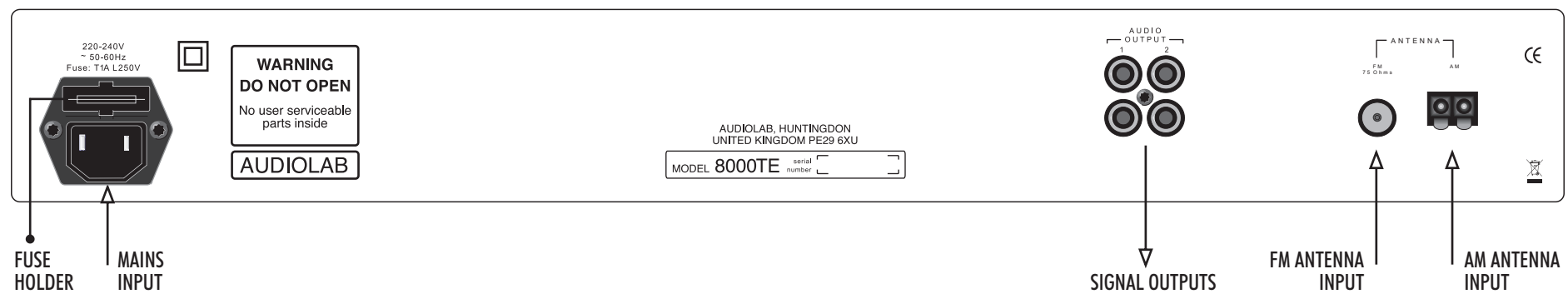
Unpacking

Unpack the product fully. The carton should contain

- The Audiolab 8000TE Tuner
- One IEC power cord suitable for your area
- One AM loop antenna
- One FM Female-Female Co-ax coupler
- One Remote Handset with two AA batteries
- This instruction manual.

Report any missing or damaged item to your dealer as soon as possible.

Retain the packing for future safe transport of your player. If you dispose of the packing, do so with regard to any recycling regulations in your area.

Connecting the 8000TE

Before making any connections switch all system units off!

Connecting an FM Aerial

There is a 75 ohm co-axial FM male connector on the rear panel. This will accept a standard FM aerial co-axial line socket.

If your aerial cable is terminated with a 75 ohm co-axial plug, attach the provided coupler to the connector on the rear of the tuner. You will now be able to plug the aerial in.

The performance of your aerial is the performance of your tuner. Ideally you should use a professionally installed multi-element FM aerial mounted on the roof, or in the loft. If you are close to a transmitter, you may be able to use an indoor aerial, but reception may be noisy and distorted, particularly in stereo.

If you live in an apartment block that uses an amplified aerial system, or you are using a cable feed, plugging the feed directly into the FM aerial input may cause input overload and distortion. If this occurs, you may need an aerial input attenuator; consult your dealer for advice.

If you are using an indoor aerial, positioning will be important, especially when receiving distant stereo signal when the reception could be affected by noise. Be prepared to experiment to find the most favourable location.

Connecting the AM Aerial

An AM loop aerial is provided. Attach this to the AM antenna input. The input connector uses a pair of spring loaded terminals. Depress the terminal levers, place the prepared ends of the connecting cable into the terminals and release the levers. Ensure the bare wire is neatly trapped and that the ends are not touching each other.

In use you will find that altering the position of the loop antenna may affect signal reception markedly. Additionally, in some locations interference and electrical noise (in particular that caused by vehicle ignitions) may be much worse. Be prepared to experiment to find the most favourable location.

Signal Connections

Two sets of RCA output connectors are provided. These are identical in operation and you may use either set to connect the tuner to the amplifier. The second set is for direct connection of the 8000TE to external equipment.

Connect a high quality RCA phono lead from one output of the 8000TE to a suitable LINE INPUT (TUNER, CD, AUX, TAPE) of the amplifier. Ensure you connect the right and left channels correctly. RCA plugs and sockets coded white or black indicate the LEFT channel and those coded red the RIGHT channel.
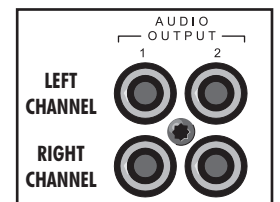
Power Connections

Connect the supplied power cord between the IEC connector on the rear of the 8000TE and the mains power point.

Set the system volume control to minimum.

Switch on the 8000TE at the mains and then switch on the amplifier.

The 8000TE is now ready for use.