ORANGE AD200B MKIII

ENGLISH

OWNER'S MANUAL

THANK YOU!

Thank you for choosing Orange. You are now a member of the 'Legendary British Guitar Amplifier' owners club!

Since 1968 when the company was founded, Orange has been a pioneering force in the guitar amplification industry. Today, with a team of the world's finest amplifier engineers, Orange continues to push back the boundaries of conventional tube amplifier design.

Our commitment to craftsmanship and quality control has allowed our amplifiers to stand the test of time, giving their owners as much pleasure now, as the day they were bought. To maintain this level of excellence, each Orange amplifier is put through many rigorous test procedures before leaving the factory.

The warmth, tonal quality and rich harmonics generated by a valve amplifier cannot be reproduced by 'artificial' means. Many guitarists have reached the same conclusion: neither the transistor nor microchip is a suitable alternative to valve technology.

This booklet contains valuable technical and safety information Please take the time to read this manual as the information may enhance the sound and performance of your amplifier. We are confident that you will be delighted with your new purchase and that it will provide you with many years of enjoyment.

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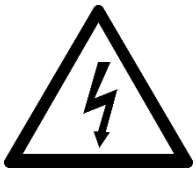
IMPORTANT SAFETY INSTRUCTIONS



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of un-insulated ‘dangerous voltage’ within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. Terminals labelled as “Speaker Outputs” must be connected to a speaker cabinet of the designated load rating using an un-shielded two conductor cable for speaker use at all times during operation

The exclamation point within an equilateral triangle and "WARNING" are intended to alert the user to the presence of important operating instructions. Failure to heed the instructions will result in severe injury or death.

- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near liquid.
- 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, one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide 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.

- Servicing: Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards.

- Refer all servicing to qualified service personnel.

- Damage Requiring Service: Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions: (a) When the power-supply cord or plug is damaged; (b) If liquid has been spilled, or objects have fallen into the product; (c) If the product has been exposed to rain or water; (d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation; (e) if the product has been dropped or damaged in any way; (f) when the product exhibits a distinct change in performance - this indicates a need for service.

- Replacement Parts: When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

The voltage selector switch and mains fuse are factory set for the region in which your amplifier is intended to be sold. Do not tamper with this switch without express permission from Orange Music Electronic Company Ltd.

Connect the supplied mains cord to the AC Mains Input on the amplifier to your AC mains wall outlet. This Class I electrical equipment must be earthed. The correct mains fuse value for your region are displayed on the unit, close to the AC Mains Input. Replace only with the same type and value. If the mains fuse repeatedly blows, contact your Orange dealer.

EMI

To reduce the possibility of outside electrical interference during performance, operate your amplifier and instrument away from appliances/equipment that generate high levels of electronic/electromagnetic noise. This may include, but is not limited to: fluorescent lighting, refrigerators, motors, mobile phones, radios, computers etc.

POWERING UP

When powering up a valve amplifier, it must be switched to standby for at least four minutes before being switched to play. This gives the valves time to warm up and will prolong their life.

Good quality standard instruments (shielded) and speaker (non-shielded) cables are essential to a prolonged and enjoyable relationship with your amp. We recommend that you do not use cables with sprung or locking jacks as this can cause untimely wear on input and speaker jacks.

Always ensure that a speaker cabinet or combination of speaker cabinets of the correct impedance is connected to your amplifier before powering up, appropriate combinations are as follows:

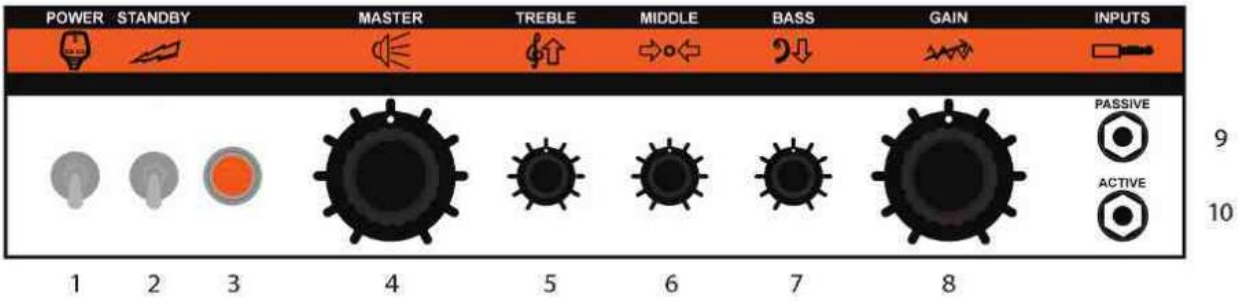
4 AND 8 Ohm AMPLIFIERS

1 x 8 cabinet connected to the 8 Ohm output

1 x 4 Ohm cabinet connected to one of the 4 Ohm outputs

2 x 8 Ohm cabinets each connected to one of the 4 Ohm outputs

FRONT PANEL



	NAME	DESCRIPTION
1	Power Switch	Two way toggle On/Off switch
2	Standby Switch	Toggles between Standby and Play. Ensure this switch is set to standby before powering up amp.
3	Power Indicator Lamp	Illuminates when the Power is switched to ON
4	Master Volume Control	Controls the overall output volume of the amplifier
5	Treble Control	Adjusts the overall treble response of the amplifier
6	Middle Control	Adjusts the overall midrange response of the amplifier
7	Bass Control	Adjusts the overall bass response of the amplifier
8	Gain Control	Adjusts the pre-amp gain of the amplifier. High levels of this control will cause the pre-amp valves to overdrive slightly
9	Passive Input	Plug bass guitars of traditional output into this input
10	Active Input	Plug bass guitars of high output into this input

REAR PANEL

	NAME	DESCRIPTION
1	Slave Output socket	The slave output socket is a line level output signal from the output stage of the amplifier. The correct speaker load needs to be also connected when using the slave output.
2	Speaker Outputs	Connect the amplifier to a speaker cabinet of the correct impedance. See ‘Powering up’.
3	Output valve Failure Fuses (F500MA)	If an output valve shorts, it will blow its corresponding output valve failure fuse. This will remove a pair of output valves from the circuit, resulting in half of the output power being produced by the amplifier. Looking at the back of the amplifier, the output valves 1 to 4 run from left to right. If the 1 + 3 fault light comes on, the defective output valve will be either number 1 or 3. If the 2 + 4 fault light comes on, the defective output valve will be either number 2 or 4.
4	HT Fuses	The high tension fuse protects transformers and other circuitry from blowing in the event of an output valve shorting. Please refer to the Technical Specification section for fuse ratings.
5	Mains Socket and Fuse Holder	This is where your mains lead plugs in. Also the mains fuse is located here. Please refer to the Technical Specification section for fuse ratings.
6	Mains Voltage Switch	Switches amp between 220V and 240V or 100V and 120V. This should be set to the mains electricity voltage used in the country where the amplifier is to be operated.

USING YOUR AMPLIFIER

IMPORTANT! Before connecting your amplifier to a power source, please check the following:

1. Ensure your speaker cabinet is connected to the correct impedance speaker output socket, (see Rear Panel, item 2), using a good quality speaker cable. Do not use guitar leads.

2. Ensure that the voltage selector switch is set to the correct mains voltage, (see Rear Panel, item 5).

Make sure that the PLAY/STANBY output switch is in the Standby position before switching the power switch to the ON position (this will maximise the life of your valves). If you are unsure about any of the above points please consult your local Orange supplier.

USING THE AD200B MKIII

Using The Controls

This amplifier features a classic Orange control section of Gain, Treble, Bass, Middle and Master Volume.

Selecting an Input

Plug bass guitars of traditional output into the Passive Input. Plug bass guitars of high output into the Active Input. Basses with active electronics usually have a 9V battery.

TECHNICAL SPECIFICATIONS

	AD200B
POWER	200 Watts
CONTROLS	Gain / Volume / Bass / Middle / Treble
PREAMP VALVES	2 x 12AX7 1 x 12AT7
POWER VALVES	4 x 6550
MAINS FUSES	100 / 120V – T6.3 A 220 / 240V – T3.15 A
HT FUSES	T1A / T500mA
WEIGHT	24kg / 53lb
DIMENSIONS (mm)	550 x 280 x 255

VALVES AND FUSES CAN FAIL AT ANY TIME!

From time to time output and preamp valves may fail. We suggest that output valves are changed at least once a year and that all class AB models (50 watts and above) will benefit from having the bias checked and adjusted. Bias checking must be carried out by a qualified engineer.

Orange amps are protected from damage caused by valve failure and inconsistent mains voltage by various fuses. We recommend that Orange users have a set of spare valves and fuses.

For more information on maintenance and for accessories and spares, please visit

www.**orangeamps**.com

FREE EXTENDED WARRANTY OFFER

Orange amplifiers are under warranty for one year subject to consumer protection laws in the country of purchase and distributor's terms and conditions, an additional year can be added by registering at http://www.orangeamps.com/product-warranties/

Valves and speakers supplied with an Orange amp or purchased separately at our online store are covered for 90 days from the date of purchase.

The warranty status of any Orange product is subject to its being used for its intended purpose in suitable conditions. As the manufacturer we reserve the right to refuse to warranty any Orange product which has been misused in any way whatsoever.