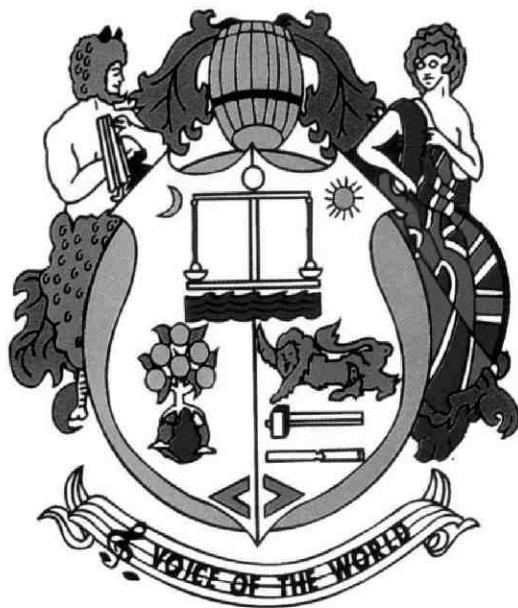


# ORANGE™



## AD200B MK III Owners Manual

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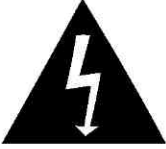
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## Before Operating Read These Important Safety Instructions



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated 'dangerous voltage' within the product's enclosure that may

be of sufficient magnitude to constitute a risk of electric shock to persons. Terminals labeled 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.

- Read these instructions.
- 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.
- **Service:** 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.



This Orange Amplifier conforms to UL Standard 60065 for Audio, Video and Similar Electronic Apparatus - Safety Requirements; Certified to CAN/CSA-C22.2 No. 60065-03; IEC 60065 2001 + A1:2005

This device complies with part 15 of the FCC Rules. 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.

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## AD200B MKIII Owners Manual

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### **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.

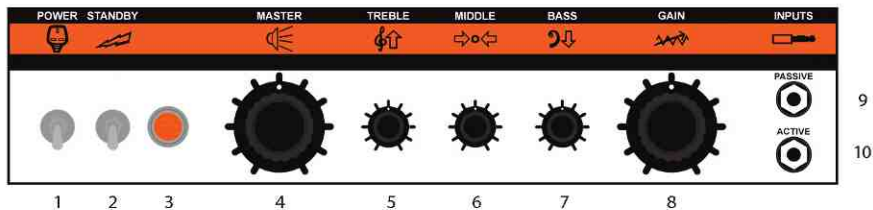
Our commitment to craftsmanship and quality control has allowed our amplifiers to stand the test of time, giving their owners as much pleasure now, as the day they were bought. To maintain this level of excellence, each Orange amplifier is put through many rigorous test procedures before leaving the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

## Front Panel



- |   |   |
|---|---|
| <ol style="list-style-type: none"> <li>1. Power Switch</li> <li>2. Standby Switch</li> <li>3. Power Indicator Lamp</li> <li>4. Master Volume Control</li> <li>5. Treble Control</li> <li>6. Middle Control</li> <li>7. Bass Control</li> <li>8. Gain Control</li> <li>9. Passive Input</li> <li>10. Active Input</li> </ol> | <p>Please refer to the 'Using Your Amplifier' section for correct standby/on procedure.<br/>Please refer to the 'Using Your Amplifier' section for correct standby/on procedure.</p> <p>The master control adjusts the overall output volume of the amplifier.<br/>High levels of this control will cause the output valves to overdrive slightly.</p> <p>The treble control adjusts the overall treble response of the amplifier.<br/>(When all three controls are set to zero, there will be no sound)</p> <p>The middle control adjusts the overall midrange response of the amplifier.<br/>The bass control adjusts the overall bass response of the amplifier.</p> <p>The gain control adjusts the pre-amp gain of the amplifier.<br/>High levels of this control will cause the pre-amp valves to overdrive slightly.<br/>Plug bass guitars of traditional output into this input.</p> <p>Plug bass guitars of high output into this input.</p> |
|---|---|

## Rear Panel



- |  |  |
|--|--|
| <ol style="list-style-type: none"> <li>1. Slave Output Socket</li> <li>2. Speaker Outputs</li> <li>3. OUTPUT VALVE FAILUER FUSES. (F500MA)</li> <li>4. HT Fuses</li> <li>5. Mains Socket &amp; Fuse Holder</li> <li>6. Mains Voltage Switch</li> </ol> | <p>The slave output socket is a line level output signal from the output stage of the amplifier.<br/>The correct speaker load needs to also be connected when using the slave output.</p> <p>Connect the amplifier to a speaker cabinet of the correct impedance.<br/>Connect 1 x 8ohm cabinet to the 8ohm speaker output jack socket.<br/>Connect 1 x 4ohm cabinet to either of the 4ohm speaker output jack sockets.<br/>Connect 2 x 8ohm cabinets to both of the 4ohm speaker output jack sockets.</p> <p>If an output valve shorts, it will blow it's corresponding output valve failure fuse<br/>This will remove a pair of output valves from the circuit, resulting in half of the output power being produced by the amplifier.<br/>Looking at the back of the amplifier, the output valves 1 to 4 run from left to right.<br/>If the 1 + 3 fault light comes on, the defective output valve will be either number 1 or 3.<br/>If the 2 + 4 fault light comes on, the defective output valve will be either number 2 or 4.</p> <p>When running the amplifier in this condition, the speaker impedance should be doubled, for example, an 8ohm cabinet should be plugged into either of the 4ohm jack sockets.<br/><b>Do not use a 4ohm cabinet or 2 x 8ohm cabinets when the amplifier is running on only two output valves!</b><br/><b>Only run the amplifier in this condition as a temporary measure!</b><br/><b>Take the amplifier to a qualified service technician as soon as possible.</b></p> <p>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.</p> <p>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.<br/><b>WARNING:</b> This amplifier shall be connected to a mains socket outlet with a protective earthing connection.<br/><b>WARNING:</b> Where the mains plug or appliance inlet is used as the disconnect device, the disconnect device shall remain readily operable.</p> <p>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.</p> |
|--|--|

Please ensure your amplifier is switched to the correct voltage for your country. If unsure please consult your dealer.

## 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).

When powering up your amplifier, switch to the 'Standby' position first and leave for two minutes before switching 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

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

1. Ensure your speaker cabinet is connected to the correct Impedance  
Connect 1 x 8ohm cabinet to the 8ohm speaker output jack socket.  
Connect 1 x 4ohm cabinet to either of the 4ohm speaker output jack sockets.  
Connect 2 x 8ohm cabinets to both of the 4ohm speaker output jack sockets.  
**Always use 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 6).

When powering up your amplifier, switch to ensure the 'Standby' position is set from the front panel and then switch the power on, wait two minutes before switching from 'Standby' 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 Controls

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

The gain control adjusts the pre-amp gain of the amplifier. High levels of this control will cause the pre-amp valves to overdrive slightly. Bass, Middle, and Treble **(When all three controls are set to zero, there will be no sound)**

The bass control adjusts the overall bass response of the amplifier.

The middle control adjusts the overall midrange response of the amplifier.

The treble control adjusts the overall treble response of the amplifier.

The master control adjusts the overall output volume of the amplifier. High levels of this control will cause the output valves to overdrive slightly.

### Selecting an Input

PASSIVE INPUT.

Plug bass guitars of traditional output into this input.

ACTIVE INPUT.

Plug bass guitars of high output into this input. (Basses with active electronics usually have a 9V battery)

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## Technical Specifications

	AD200B
Power	200 watts
Controls	Gain / Volume Bass / Middle / Treble
Preamp Valves	2 X 12AX7
Power Valves	4 X 6550
Mains Fuses	100 / 120V - T6.3 A 220 / 240V - T3.15 A
HT Fuses	T1A / F500ma
Weight	24kg / 53lb
Dimensions (mm)	550 x 280 x 255

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# WARNING

**VALVES AND FUSES CAN FAIL AT ANY TIME!**

From time to time output and preamp valves may fail. Most users find regular valve replacement to be of benefit to the general upkeep and reliability of their amplifier. We suggest that you always have spare valves available as replacements in the event of a valve failure. Every Orange Class AB Amplifier will require re-biasing when it's output valves are replaced. This may not be necessary if use the same brand of valves with a similar manufacturers rating. If unsure you should have the bias checked. **BIASING SHOULD ALWAYS BE CARRIED OUT BY AN EXPERIENCED TECHNICIAN.** Your amplifier uses various fuses to protect your amplifier from inconsistent voltages. It is highly recommended that you keep a supply of spare fuses in case of failure. For more information on caring for your amplifier, visit the Orange website - [www.orangeamps.com](http://www.orangeamps.com) Tubes, fuses, covers and other accessories for your Orange amplifier are available from our online store - [www.orangeamps.com/shop](http://www.orangeamps.com/shop)

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# FREE EXTENDED WARRANTY OFFER

This Orange product is protected for one year against defects in material and workmanship. This warranty applies to the entire product, except the speakers, which are protected for three months. To extend your warranty to two years, free of charge, simply visit our website and register your purchase.

**REGISTER RIGHT NOW AT**  
**<http://ORANGEAMPS.COM/WARRANTIES.ASP>**