



ENGLISH

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 INFORMATION



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.



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- 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.





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.

USING YOUR AMPLIFIER



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IMPORTANT!

For countries or regions with a mains voltage of 115v or 120v, please switch the small, red mains selector to 115v or 120v and replace the fuse in the black pull out fuse tray, below the mains inlet, with the 120v version supplied.

For countries or regions with a mains voltage of 230v, please switch the small, red mains selector to 230v and replace the fuse in the black pull out fuse tray, below the mains inlet, with the 230v version supplied.

1. Connect the amplifier to a speaker cabinet of the correct impedance.

Connect 1 x 16ohm cabinet to the 16ohm speaker output jack socket.

Connect 1 x 8ohm cabinet to either of the 8ohm speaker output jack socket.

Connect 2 x 16ohm cabinets to both of the 8ohm speaker output jack sockets.

2. Connect the amplifier to a mains supply of the correct voltage as marked on the amplifier. Make sure that the STANDBY switch is in the Standby (UP) position before switching the power switch to the ON position.



3. GAIN CONTROL.

The gain control adjusts the gain. High levels of gain will heavily overdrive the pre-amp and may sometimes be uncontrollable, especially when used at high volume levels!

4. BASS CONTROL

The Bass control adjusts the level of bass before the pre-amp stages.

5. MIDDLE CONTROL

The Middle control adjusts the level of midrange before the pre-amp stages.

6. TREBLE CONTROL

The Treble control adjusts the level of treble before the pre-amp stages.

6. HF DRIVE CONTROL

The HF Drive control does two things. It filters the high frequencies when turned anti clockwise, but also boosts the presence of the output stage when turned clockwise into the white area. This boost will be much more apparent at high volume levels.

7. VOLUME CONTROL (FOOTSWITCHABLE)

The volume control adjusts the output volume. This control can be completely defeated via a latching footswitch. High levels of volume will heavily overdrive the output stage.

8. POWER SWITCH

The Power switch is used to power up the amplifier.



9. STANDBY SWITCH

The Standby switch (found next to the power switch) allows the amplifier to warm up the valves before applying operating voltages to them. This switch should be in the standby position for around two minutes after first powering up the amplifier!

10. FOOTSWITCH JACK SOCKET (REAR PANEL)

A latching footswitch plugged into this socket can be used to defeat the volume control.

11. VALVES.

The OR50 contains 3 x 12AX7 (ECC83) and in the pre-amp and 2 x EL34 in the output stage.

12. HT FUSES. (T500MA)

Please contact a qualified service technician if this fuse fails!



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.

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.

REGISTER RIGHT NOW AT www.orangeamps.com