

# ORANGE TERROR BASS 500 COMBO



OWNER'S MANUAL

# ORANGE TERROR BASS 500 COMBO

## 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.

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.

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- 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 are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- 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



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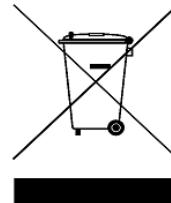
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work by a qualified technician to restore the product to its normal operation; (e) if the product has been dropped or damaged in any way; (f) when the product exhibits a distinct change in performance - this indicates a need for service.

- 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. Unauthorised substitutions may result in fire, electric shock, or other hazards.



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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 product complies with the WEEE Directive (2002/96/EC) marking requirement. This affixed product label indicates that you must not discard this electrical/electronic product in domestic household waste.

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This device complies with the Canadian Interference Regulations CAN ICES-3(A)/NMB-3(A)

*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.*
- 2) *This device must accept any interference received, that may cause undesired operation.*

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.



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## USING YOUR AMPLIFIER

### **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.

### TB500

- 230V = T6.3A
- 115/120V = T8A

### **SPEAKON CABLE**

Be sure to connect the amplifier's speaker output to the combo's internal speakers (rear Speakon jack) using the supplied Speakon cable.

### **IMPEDANCE SELECTOR SWITCH (REAR)**

Make sure the impedance selector is **switched to 8 Ohms when connected to the combo's internal speakers**. Another 8 Ohm cabinet can be connected using the second Speakon socket on the rear of the combo cabinet. The impedance selector must be switched to 4 Ohms when doing this. Never mismatch impedances.



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## FRONT PANEL FEATURES



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### **INPUT (PASSIVE/ACTIVE BUTTON)**

- Set to passive when a passive bass guitar is plugged into the input.
- Set to active when an active bass guitar is plugged into the input.

### **GAIN CONTROL**

The gain control adjusts the input gain of the amplifier.

### **BASS CONTROL**

The bass control adjusts the bass response of the amplifier.

### **MIDDLE CONTROL**

The middle control adjusts the mid-range response of the amplifier.

### **TREBLE CONTROL**

The treble control adjusts the treble response of the amplifier.

### **VOLUME CONTROL**

Adjusts the overall output volume of the amplifier

### **OFF/STBY/ON Toggle Switch**

Make sure that the OFF/STBY/ON switch is in the Standby (middle) position for two minutes before switching the power switch to the ON position. This will warm up the pre-amp valves ready for use and help extend their life.

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## REAR PANEL FEATURES

### **IMPEDANCE SELECTOR SWITCH**

Connect the amplifier to a speaker cabinet of the correct impedance:

- Make sure the impedance selector switch is switched to 8 Ohms when using an 8 Ohm bass speaker cabinet (eg. The internal combo speakers)
- Make sure the impedance selector switch is switched to 4 Ohms when using either one 4 Ohm bass speaker cabinet or two 8 Ohm cabinets (e.g. Internal combo speaker and another 8 Ohm cabinet.)

**IMPORTANT!** The Terror Bass Series produces maximum output power into both 4 and 8 Ohm loads. For this reason, it is important a speaker cabinet(s) of suitable power handling is connected to the amp. Failure to do so may cause damage to both the amp and cabinet(s).

### **DI OUTPUT**

The DI output is set at professional line level for a padded mixing desk to a PA. An external DI box should still be taken from the actual bass guitar itself in most live situations so that a signal can still be present in case of amplifier failure ). **IMPORTANT:** A speaker cabinet of suitable impedance and power handling must be connected to the amplifier's speaker outputs even when the DI Output is in use.

### **GROUND LIFT BUTTON**

Engage this button if ground hum becomes a problem when hooked up to external equipment.

### **EFFECTS LOOP SEND AND RETURN JACK SOCKETS**

The effects loop, send and return jack sockets are intended for use with outboard rack equipment. Most pedals will be better suited placed before the input of the amplifier.

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## VALVES AND FUSES CAN FAIL AT ANY TIME!

**PRE-AMP VALVES:** 2 x 12AX7 (ECC83). For more information on maintenance and for accessories and spares, please visit:

[www.orangeamps.com](http://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](http://www.orangeamps.com)