

ORANGE™



Terror Bass Owners Manual

Terror Bass 500

Terror Bass 1000

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Introduction

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 and bass amplification industry.

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.

This booklet contains valuable technical and safety information Please take the time to read this manual as the informations 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.

Important safety instructions



This symbol warns the user of dangerous voltage levels localized within the enclosure.



This symbol advises the user to read all accompanying literature for safe operation of the unit.

- Read, retain, and follow all instructions. Heed all warnings.
- Only connect the power supply cord to an earth ground AC receptacle in accordance with the voltage and frequency rating listed under the AC input on the rear panel of this product.
- **WARNING:** To prevent damage, fire or shock hazard, do not expose this unit to rain or moisture.
- Unplug the power supply cord before cleaning the unit exterior (use a damp cloth only). Wait until the unit is completely dry before reconnecting it to power.
- Maintain at least 6 inches (15.25 cm) of unobstructed air space behind the unit to allow for proper ventilation and cooling of the unit.
- This product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.
- This product may be equipped with a polarized plug (one blade wider than the other). This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician to replace your obsolete outlet. Do not defeat the safety purpose of this plug.
- Protect the power supply cord from being pinched or abraded
- The power supply cord of this product should be unplugged from the outlet when left unused for a long period of time, or during electrical storms.
- This product should be serviced by qualified service personnel when: the power supply cord or the plug has been damaged; or objects have fallen, or liquid has been spilled onto the product; or the product has been exposed to rain; or the product does not appear to operate normally or exhibits a marked change in performance; or the product has been dropped, or the enclosure damaged.
- Do not drip nor splash liquids, nor place liquid filled containers on the unit.
- **CAUTION:** No user serviceable parts inside, refer servicing to qualified personnel only.
- Orange amplifiers and loudspeaker cabinet systems are capable of producing very high sound pressure levels which may cause temporary or permanent hearing damage. Use care when setting and adjusting volume levels during use.
- Hazardous voltage may be present within the chassis even with the power switch off and power cord connected. therefore, disconnect the power cord from the rear panel power inlet socket before servicing. The power inlet must remain readily operable.



About Your Amplifier (important safety guidelines)

IMPORTANT!

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

Ensure your speaker cabinet is connected to the correct impedance with the Terror Bass unit, (see Rear Panel section for guidance), using a good quality speaker speakon cable. Do not use guitar leads.

When powering up your amplifier, switch to the 'Standby' position first and leave for one minute before switching to the 'On' position.

The function of the standby switch is to allow the pre stage valves to be pre-heated before the high voltage is switched to them.

After one minute the pre stage valves will be at the correct operating temperature. Now the amp is ready to be switched from standby to ON and ready to be used.

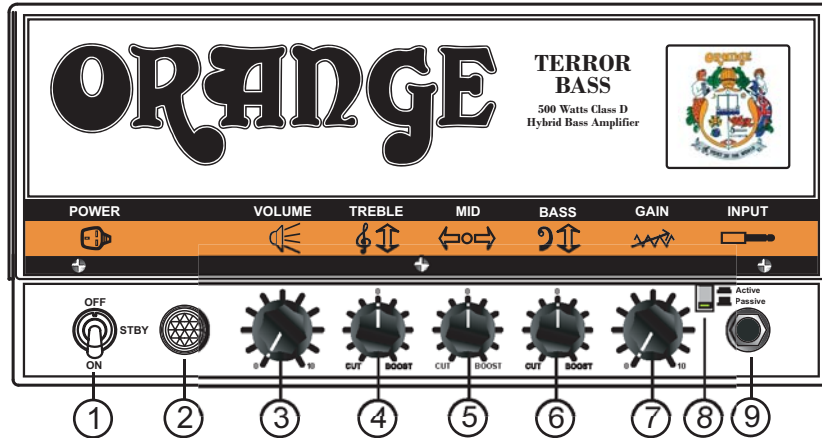
If you are unsure about any of the above points please consult your local Orange supplier.

What you should receive with this product.

The box should contain:

- 1x Orange Terror Bass.
- 1x Mains power lead.
- 1x Terror Bass carry case.
- 1x Terror Bass Owners manual.

Front panel explanation.



1. Power Switch:

In the up position the amplifier power is off.

In the central position the amplifier is set to standby.

In the down position the amplifier is on.

2. Power Indicator Lamp:

When light, the amp is switched on.

3. Volume Control:

Control the output volume level of the amplifier.

4. Treble Control:

An active tone Control that varies the high frequency boost or cut.

5. Middle Control:

An active tone Control that varies the middle frequency boost or cut.

6. Bass Control:

An active tone Control that varies the low frequency boost or cut.

7. Gain Control:

Controls the input gain of the preamp stage. If distortion is heard, the Gain control may be set too high. In this situation, decrease the Gain control (turn counterclockwise) and increase the Volume (3) control.

8. Input Selector switch:

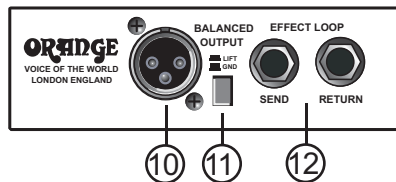
When placed in the "Active" position, this switch activates a -10dB pad for use with those bass guitars with active pickups.

Often, signal produced by active pickups is so strong that it overdrives the input stage of the preamp. In order to prevent this type of distortion this function is provided. Standard bass guitars with passive pickups (no battery) should use the "Passive" position.

9. Input Jack:

This 1/4" mono input will accept signals from all types of bass pickups.

RH Side panel explanation



10. BALANCED OUTPUT:

Industry standard locking XLR output, which provides a low impedance electronically balanced output signal. Always feed this output into a balanced input. It is not designed to be fed in to a 'single side input' which unbalance the signal.

11. GND LIFT switch:

In case of hum when using the Balanced output, the GND lift switch allows the disconnection of the unit chassis from Pin1 of the XLR, help prevent "hum loops".

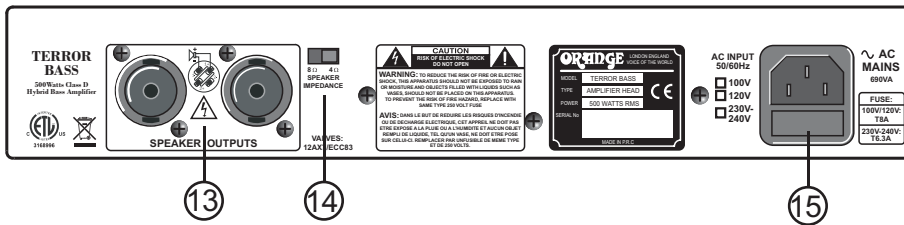
12. SEND/RETURN:

This is low-level (1V RMS) pre-EQ effects patch. To patch an effects unit, connect the SEND jack to the input of the effects unit.

Next, connect the output of the effects unit to the RETURN jack.

Remember to always use high-quality shielded cables for these connections.

Rear panel explanation




13. SPEAKER OUTPUT:

This unit provides professional SPEAKON-type high-performance connectors, which offer mechanically and electric secure connection that complies with any safety standards.

Note two speakon connectors are wired in parallel.

Additionally, SPEAKON-type connectors allow utilizing high-performance bass cabinet cables with diameters of up to $2 \times 2.5\text{mm}^2$.

Warning: The symbol  representing the speaker connectors indicates the presence of touch-sensitive voltages, which can cause harm to body and health.

Never use two 4 ohm cabinets at the same time.

Terror Bass amplifiers should not be used with speaker cabinets rated at 2 ohms.

14. IMPEDANCE switch:

The Terror Bass provides full power at 4, or 8 ohms impedances. It is required that you selector the impedance switch to the proper setting for your speaker load.

If your speaker cabinet is 8 ohms (this information is usually on the jack plate of the speaker cabinet) simply set the impedance switch to 8 ohms.

The same applies for a single 4 ohm cabinet.

If you are using two 8 ohm cabinets in parallel (both connected directly to the back of the amp), the impedance value is halved, and the impedance switch should be set to 4 ohms.

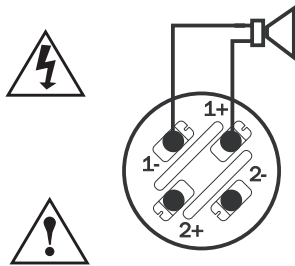
Your amp needs to be set at the proper impedance for full power and reliability.

15. MAINS INLET socket & FUSE holder tray:

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.

Speaker Output connections.



4 ohm or 8 ohm speaker cabinet.

Terminal 1+: Connect to Speaker +

Terminal 1- : Connect to Speaker -

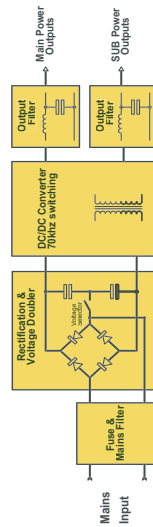
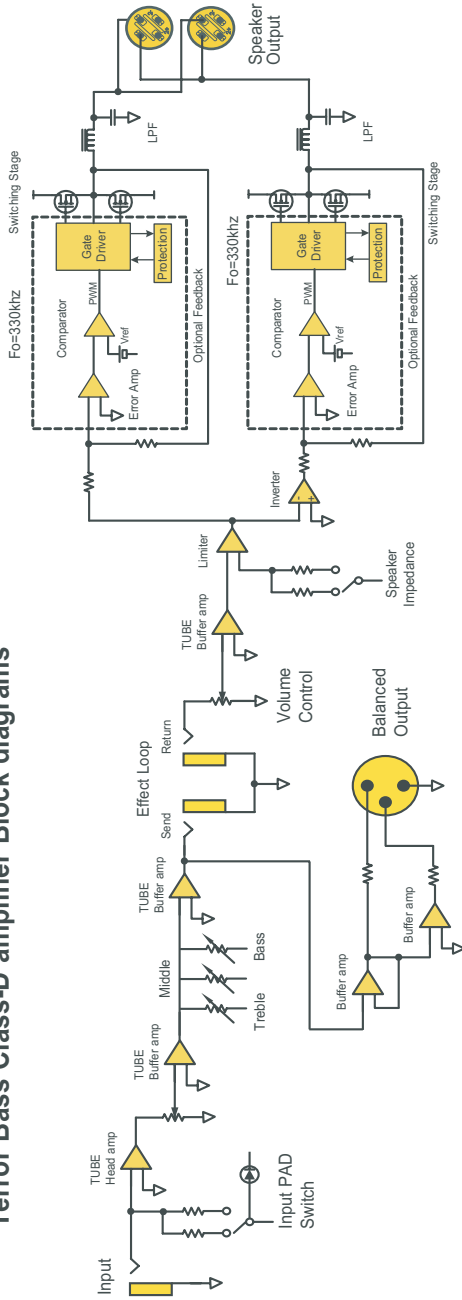
Do not connect the terminals to the chassis ground.

Technical Specification

Power output	TB500	500 watts, 4 or 8 ohms
	TB1000	1000 watts, 4 ohm, 900 watts, 8 ohms
Input impedance		1M ohm
Input PAD		-10dB PAD
Effect Return		1V sensitivity, Impedance 100 kohm
Effect Send		Nominal Level 1V, Impedance 10 kohm
Balanced output		Nominal Level 0.3V, Impedance 1.2 kohm
Controls		Gain/ Bass/ Middle/Treble/Volume
Preamp valves		2x ECC83/ 12AX7
Power amp type		Class D
Power supply type		SMPS
Cooling		low noise Fan
Mains Fuses	TB500	100V/120V: T8 AH, 230V-240V: T6.3AH
	TB1000	100V/120V: T10 AH, 230V-240V: T8AH
Power Requirement	TB500	690 VA
	TB1000	1150 VA
Weight		11 lbs (5 kg)
Dimensions		305 x 155 x 135 mm
Metal Case		1.5 mm Zintec Chassis, Steel Vented Top

* Design and specifications subject to change without notice.

Terror Bass Class-D amplifier Block diagrams





ORANGE INFORMATIONS

Orange online forum

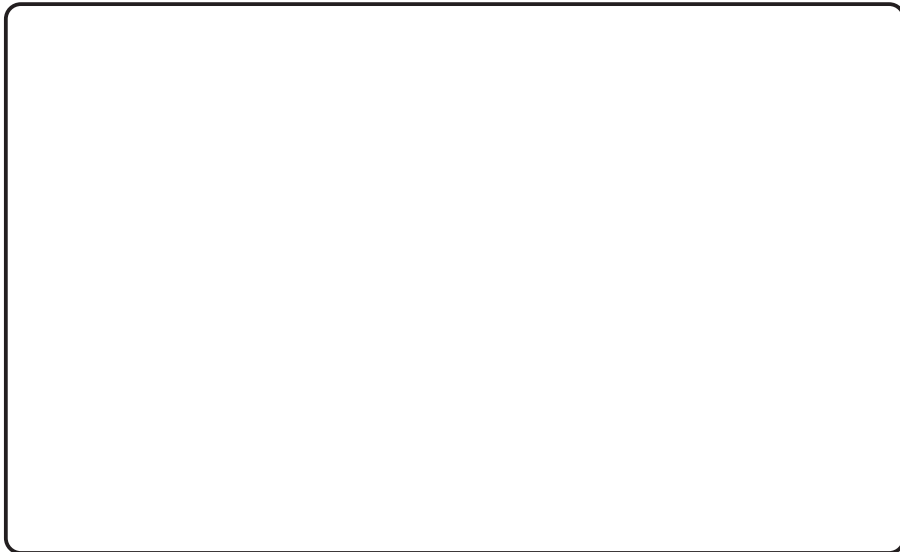
Orange amplifiers run a forum where anyone interested in finding out more about Orange can meet to discuss issues, solve technical problems and ask questions etc.

Feel free to visit the forum at www.orangeamps.com/forum

Warranty information

All new orange products come with a one year limited warranty, this is extendable two years when you register your purchase online on our website.

www.orangeamps.com



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