

ORANGE DARK TERROR



ENGLISH

OWNER'S MANUAL

ORANGE DARK TERROR

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.



ENGLISH

CONTENTS

THANK YOU!.....	2
CONTENTS.....	3
CONTACT DETAILS.....	4
IMPORTANT SAFETY INFORMATION.....	5
POWERING UP	8
REAR PANEL	10
USING YOUR AMPLIFIER	10
USING THE DARK TERROR.....	12
VALVES AND FUSES CAN FAIL AT ANY TIME!	15
FREE EXTENDED WARRANTY OFFER	15



ENGLISH

CONTACT DETAILS

Orange Amplifiers
OMEC House
108 Ripon Way
Borehamwood
Hertfordshire
WD6 2JA
ENGLAND

Tel: +44 20 8905 2828

Fax: +44 20 8905 2868

info@omec.com

Orange USA
1741 Wilwat Drive
Suite A1
Norcross
GA 30093
USA

Tel: 1-404-303-8196

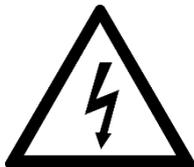
Fax: 1-404-303-7176

info@orangeusa.com



ENGLISH

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.
- 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.



ORANGE DARK TERROR

- 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.



ENGLISH



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 STBY for at least four minutes before being switched to play (15 Watts or 7 Watts setting). 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:

8 AND 16 Ohm AMPLIFIERS

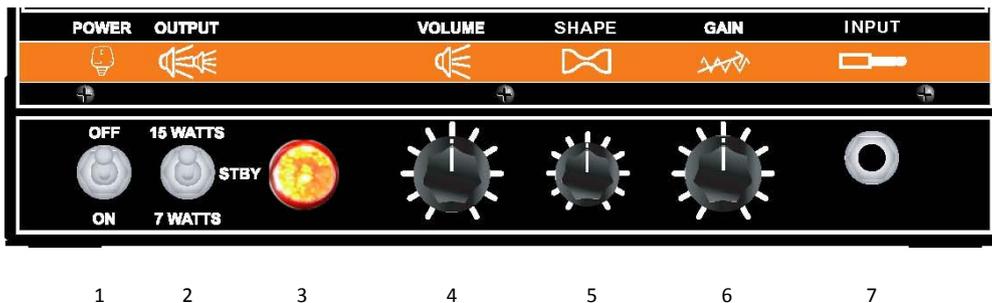
1 x 16 Ohm cabinet connected to the 16 Ohm output

1 x 8 Ohm cabinet connected to one of the 8 Ohm outputs

2 x 16 Ohm cabinets each connected to one of the 8 Ohm outputs



FRONT PANEL



	NAME	DESCRIPTION
1	POWER SWITCH	Power on the amplifier by switching to the on position.
2	HALF/STBY/FULL	The output switch runs the valves at a low plate voltage in the HALF position and at a higher plate voltage in the FULL position. The middle position is the STBY position. This switch should be in the STBY position for around two minutes after first powering up the amplifier! STBY – 'Start-up Tension Bypass' – reduces the high voltage to the valves and allows them to reach the optimum temperature before performance.
3	POWER INDICATOR LAMP	Will be illuminated when amplifier is powered on.
4	VOLUME CONTROL	The volume control adjusts the output volume. High levels of volume will heavily overdrive the output stage!
5	SHAPE CONTROL	The shape control adjusts between all midrange (zero) to all bass and treble and no midrange (maximum).
6	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!
7	INPUT	Connect your instrument to the amplifier with this input.



ENGLISH

REAR PANEL



1

2

3

4

	NAME	DESCRIPTION
1	SPEAKER OUT	See page 8 for the proper procedure for connecting your amplifier to speaker cabinets.
2	EFFECTS LOOP	See page 12 for the proper procedure for using the effects loop.
3	HT FUSE	(T250MA) Please contact a qualified service technician if this fuse fails!
4	MAINS	Connect only to rated input as indicated adjacent to mains plug. The mains fuse should only be replaced with same type fuse (T1A for 100/115V and T1A for 115V or T500MA for 230V). Use only supplied mains cable or equivalent rated for a minimum of 10A.

WARNING: This amplifier shall be connected to a mains socket outlet with a protective earthing connection.

WARNING: Where the mains plug or appliance inlet is used as the disconnect device, the disconnect device shall remain readily operable.



ENGLISH

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. The output (HALF/STBY/FULL) switch (found next to the power switch on front of amplifier) runs the valves at a low plate voltage (reducing output power) in the HALF position and at a higher plate voltage (increasing output power) in the FULL position. The middle position is the STBY mode. STBY – ‘Start-up Tension Bypass’ - reduces the high voltage to the valves and allows them to reach the optimum temperature before performance.

Make sure that the HALF/STBY/FULL output switch is in the STBY (middle) 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 DARK TERROR

Selecting Output

The output switch (found next to the power switch on front of amplifier) runs the valves at a low plate voltage (reducing output power) in the HALF position and at a higher plate voltage (increasing output power) in the FULL position. The middle position is the STBY mode. This switch should be in the STBY mode for around two minutes after first powering up the amplifier!

OUTPUT POWER COMBINATIONS

Output switch HALF	2 OUTPUT VALVES	7 watts
Output switch FULL	2 OUTPUT VALVES	15 watts

Using EQ

- 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!
- SHAPE CONTROL.** The shape control adjusts between all midrange (zero) to all bass and treble and no midrange (maximum).
- VOLUME CONTROL.** The volume control adjusts the output volume. High levels of volume will heavily overdrive the output stage!



ORANGE DARK TERROR

Using Effects Loop

The effects loop, send and return jack sockets are intended for use with outboard pedals or rack equipment such as delay, reverb and chorus etc. Effects such as wah wah, fuzz, distortion etc, would probably be best placed between the guitar and amplifier input! The effects loop is wired in series with the pre-amp signal and is completely valve driven!



ENGLISH

TECHNICAL SPECIFICATIONS

	AMPLIFIER
POWER	7/15 Watts RMS
CHANNEL CONFIGURATION	Single Channel
DIRTY CHANNEL CONTROLS	Volume / Shape / Gain
CLEAN CHANNEL CONTROLS	N/A
FOOTSWITCH FUNCATION	N/A
FX LOOP	YES
POWER VALVES	2 x EL84
PREAMP VALVE	3 x 12AX7
EFFECTS LOOP VALVE	1 x 12AT7



ENGLISH

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.

REGISTER RIGHT NOW AT

www.orangeamps.com

