OWNER'S MANUAL

CRUSH 12

GUITAR AMPLIFIER

ORANGE

IMPORTANT!

The voltage selector switch and mains fuse is set at the factory for the country or region in which this Orange product is intended to be sold. To prevent serious damage to the product, ensure that the rated AC mains voltage indicated on the product's rear panel agrees with the mains voltage from your AC mains inlet before connecting the IEC power cable.

If the product is to be used outside of the factory set region, please ensure the voltage selector switch found on the rear panel is set to the correct voltage for the new country/region and that the appropriate mains fuse is fitted in the pull-out fuse tray below the IEC mains input.
The correct mains fuse rating for the product is printed on the rear of the amplifier's chassis. Use only the same type and rating as specified for the product. Be advised that different operating voltages require the use of different types of line cord and attachment plugs. If you are unsure, please contact your Orange Dealer.

CAUTION! TO REDUCE THE RISK OF FIRE. REPLACE ONLY WITH SAME TYPE FUSE
ATTENTION! UTILISER UN FUSIBLE DE RECHANGE DE MEME TYPE

WARNING! TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK
DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.
DO NOT REMOVE CHASSIS(OR BACK), NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
THE UNIT SHOULD BE INSTALLED SO THAT ITS LOCATION OR POSITION DOES NOT INTERFERE WITH ITS PROPER VENTILATION. FOR EXAMPLE, IT SHOULD NOT BE SITUATED ON A BED, SOFA, RUG OR SIMILAR SURFACE THAT MAY BLOCK THE VENTILATION OPENINGS.

AVIS! RESQUE DE CHOC ELECTIQUE-NE PAS OUV RIR.

INTRODUCTION

Since 1968, Orange has been a pioneering force in the guitar amplification industry. With a team of the world's finest engineers, Orange continues to push back the boundaries of conventional amplifier design. We hope your new purchase gives you many years of service and pleasure. Welcome to the legendary British guitar amplifier owners club.

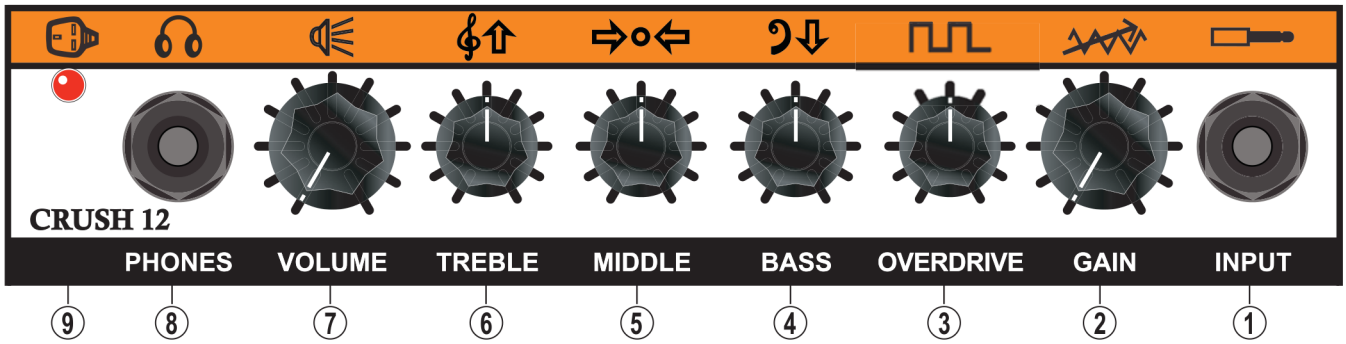
USING YOUR AMPLIFIER

Always ensure the amp's volume control(s) are set to zero before switching on the power to the amplifier.

To prevent hum and electrical noise operate your amplifier and instruments as far away from other electronic devices (especially fluorescent and neon lamps) as possible as these generate extremely high levels of electrical noise.

ORANGE MUSIC ELECTRONIC CO. LTD
108 Ripon Way, Borehamwood, Hertfordshire, WD6 2JA
www.orangeamps.com

ORANGE



1) Input - Use a quality shielded instrument cable to connect your instrument to the Input jack socket.

2) Gain - Adjusts the input signal/pre-gain level. Set the Gain control higher with lower settings on the Overdrive control for a classic vintage 'crunch'. Balance the Gain control with the Volume control to achieve the desired output level. **NOTE:** With the Gain at zero, no sound will be present.

3) Overdrive - Adjusts the level of overdrive. Set the Overdrive to zero for cleaner tones. Higher Overdrive settings add greater levels of distortion. Experiment with the Gain and Overdrive controls for a wide range of 'crunch' and heavily distorted tones.

4) Bass - Adjusts the low-end frequencies. Increasing the Bass control produces deeper tones.

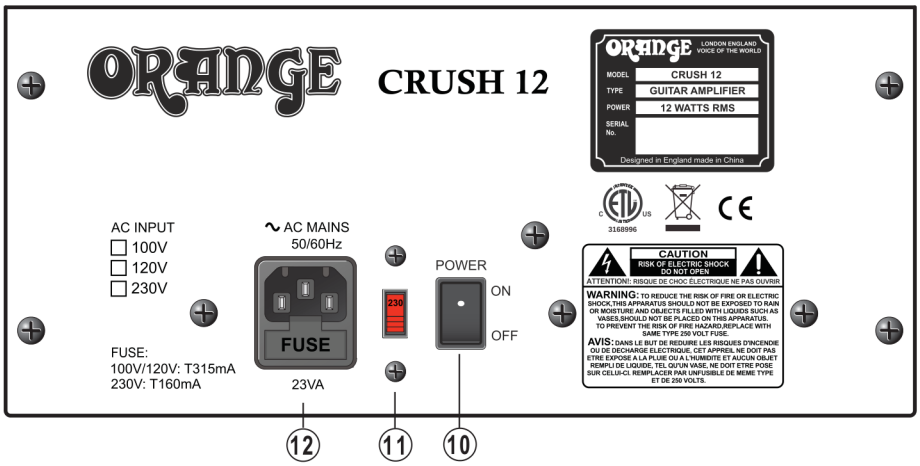
5) Middle - Adjusts the mid-range frequencies. Increasing the Middle control produces a 'fatter' sound. With higher Overdrive settings, reduce the mid-range frequencies for a more 'scooped' modern tone.

6) Treble - Adjusts the high-end frequencies. Increasing the Treble control produces brighter tones.

7) Volume - Adjusts the overall output volume level.

8) Phones - For use with most stereo headphones. The Phones jack also features 'speaker simulation' for sending a signal to a recording console/mixer. The internal speaker is disconnected when the Phones jack is in use.

9) Power - This LED will illuminate when the Power switch (rear) is set to ON.



10) Power Switch - Switches the mains power supply to the amplifier ON/OFF.

11) Voltage Selector Switch - IMPORTANT: The voltage selector switch and mains fuse is set at the factory for the country or region in which the product is intended to be sold.

Europe: Voltage selector set to 230V, fuse = T160mA
North America / Japan: Voltage selector set to 120V/100V, fuse = T315mA

12) AC Mains inlet and fuse holder- Connect the supplied IEC cable to your mains supply. The mains fuse is located in the fuse tray beneath the AC Mains inlet.