

# ORANGE Crush PiX 20L



OWNER'S MANUAL





## 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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## CONTACT DETAILS

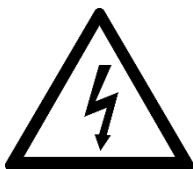
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## IMPORTANT SAFETY INFORMATION



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.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

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- 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.



# ORANGE Crush PiX 20L



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.



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.

## 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.**

### **Fuses:**

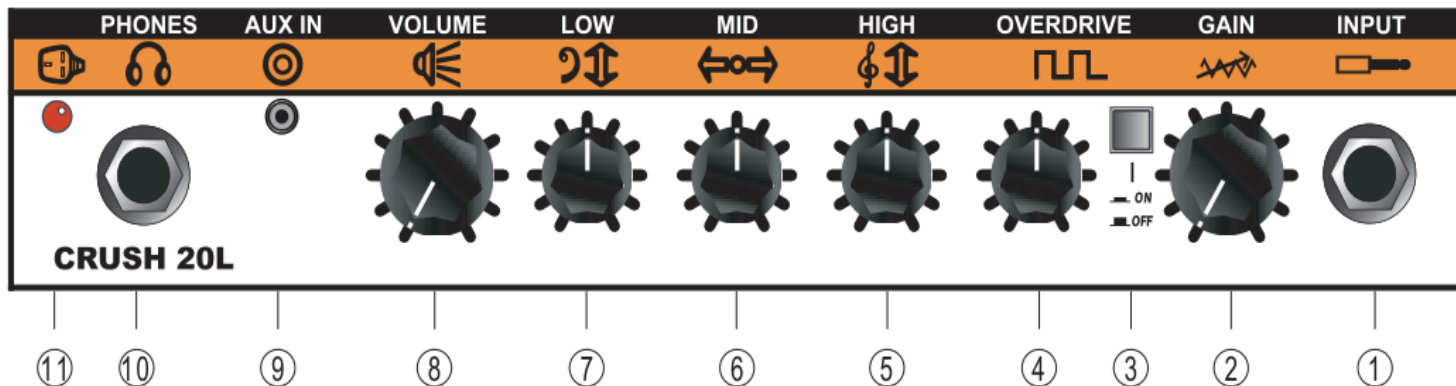
**100/120V – T630mA**

**230/240V – T315mA**





## FRONT PANEL FEATURES



### 1. Input Jack Socket

Plug your instrument into this jack socket.

### 2. Gain Control

This controls pre-gain level.

### 3. Overdrive Switch

Use this switch to select the Overdrive (switch depressed) or the Clean channel (switch in the out position)

### 4. Overdrive Level

This controls the amount of distortion ranging from overdrive to high gain.

## **5. High**

Provides high frequency equalization if required.

## **6. Mid**

Provides middle frequency equalization with cut and boost.

## **7. Low**

Provides low frequency equalization as required.

## **8. Volume**

Controls the overall volume of the amplifier.

## **9. Aux In**

Use this 1/8" stereo mini jack to connect the output from CD or MP3 player, laptop, etc, to the amp(the jacks are internally summed to a mono signal.)

## **10. Phones**

For use with most stereo headphones.

*CAUTION: To avoid possible damage to your hearing, do not use headphones for extended periods of time at extremely loud levels.*

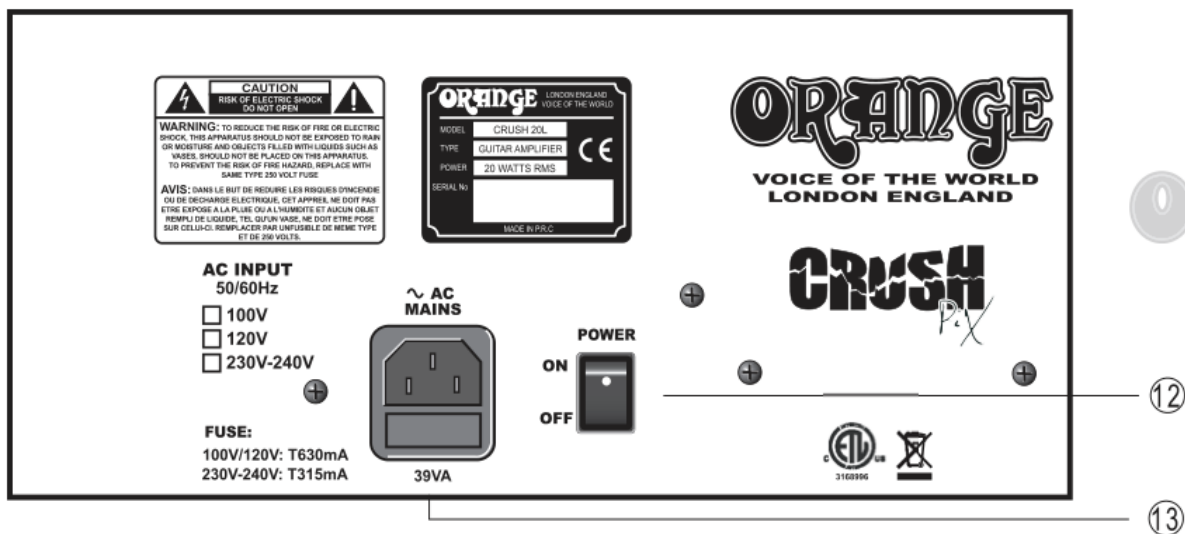
## **11. Power Indicator**

LED indicates whether the power switch is ON or OFF.



## REAR PANEL FEATURES

### REAR PANEL



#### 12. A/C Main Power Switch

This switch turns the AC MAIN power on/off

#### 13. AC Inlet and Fuseholder

Connect the supplied standard 3-pin "IEC" plug here.

## SPECIFICATIONS

OUTPUT POWER	SPEAKER	INPUT	INPUT SENSITIVITY	NOISE	DXF EFFECT	FOOT S/W JACK & PUSH SWITCH
20 Watts RMS @ 10% THD, 8 ohm	1X 8"	Guitar and AUX	Normal 48mV F=1KHz, Volumes Tone Controls at Max	-25dB(Vol Max/M.Vol Max) -55dB(Vol Max/M.Vol Min) -30dB(Vol Max/M.Vol Min/Rev.Max)	N/A	OVERDRIVE
HEADPHONE JACK LEVEL	POWER CONSUMPTION	POWER REQUIREMENT	DIMENSIONS (W)X(H)X(D)	WEIGHT	CABINET	COLOR & FINISH
250mV @ 20W (Headphone Impe. 8 ohm)	39VA	100V, 120V, 230V- 240V, 50/60Hz	14.3x12.1x8.0 inch 362x307x203 mm	15.5 lbs.(7.0kg)	Sturdy Particleboard	Orange Leatherette



## 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.

