

ORANGE Crush PiX 20LDX



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 engineers, Orange continues to push back the boundaries of conventional 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.

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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The contents of this manual may be subject to change without notice. The latest version is available for download on the official Orange Amplification website:

<http://www.orangeamps.com/support/downloads/>



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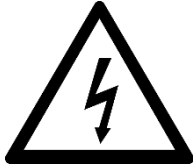
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IMPORTANT SAFETY INFORMATION



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.



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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.

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.

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, including interference that may cause undesired operation.*

Note: *This equipment has been tested and found to comply with the limits for Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.*

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.*
- Increase the separation between the equipment and receiver.*
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.*
- Consult the dealer or an experienced radio/TV technician for help.*

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Note: Changes or modifications to this equipment not expressly approved by Orange Amplification may void the user's authority to operate this equipment.

This Class B digital apparatus complies with Canadian Interference Regulations CAN ICES-3(B)/NMB-3(B). *Cet appareil numérique de classe B est conforme aux règlements CAN ICES-3(B)/NMB-3(B).*

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.

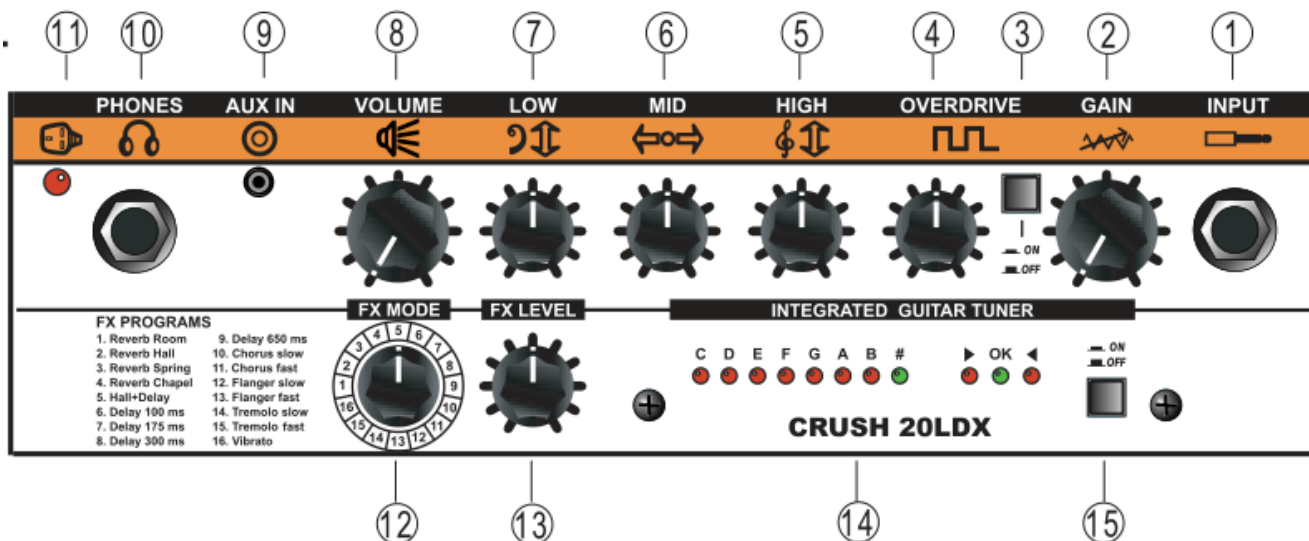
FUSES:

100V/120V: T630mA

230V/240V: T315mA



FRONT PANEL FEATURES



1. Input Jack Socket

Plug your instrument cable into this jack socket.

2. Gain Control

This controls pre-gain level.

3. Overdrive Switch

Use this switch to engage the Overdrive circuit (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.



12. FX mode

Use this control select the type of FX applied to the output signal. Each effect type and its location is indicated by the markings around the control.

13. FX Level

Use this control to set the amount of digital effect applied to the output signal.

14. Tuner LED

Play a note on your guitar. The appropriate red LED will illuminate on the display to indicate the note being played. If the green # LED also illuminates, this indicates a chromatic note, e.g. F Sharp (#).

The > arrow LED indicates the note is tuned flat (too low in pitch).

The < arrow LED indicates the note is tuned sharp (too high in pitch).

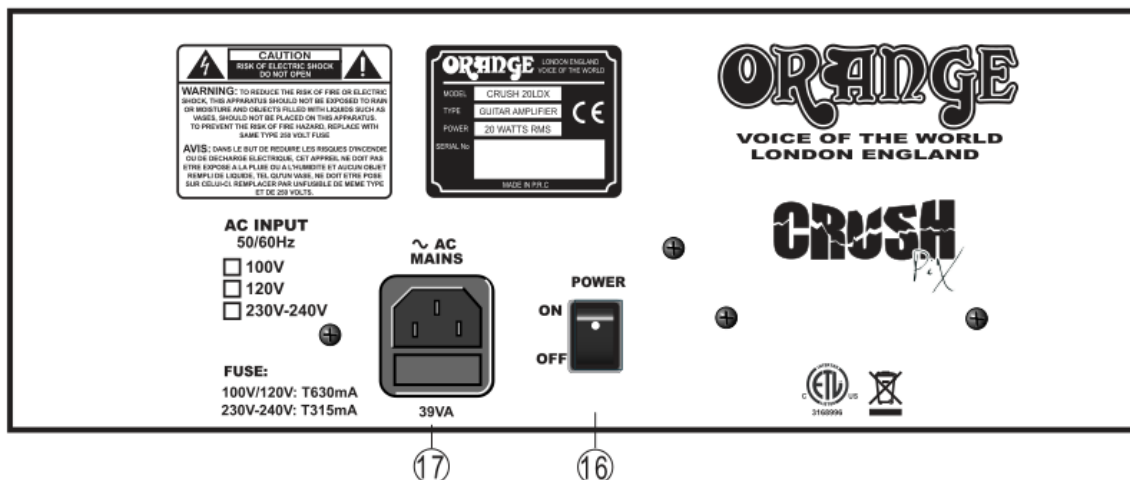
Adjust the string until the green OK LED between the two arrows is lit.

15. Tuner

Depress this button to activate the tuner.



REAR PANEL FEATURES



16. A/C Main Power Switch

This switch turns the AC MAIN power on/off.

17. AC Inlet and Fuseholder

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

SPECIFICATIONS

OUTPUT POWER	SPEAKER	INPUT	INPUT SENSITIVITY	NOISE	DFX	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)	16 Programs	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

Specifications may be subject to change without notice.



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 online.

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

