

# ORANGE Crush PiX 100BXT



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## 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 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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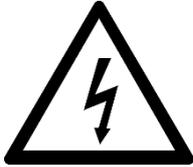
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## IMPORTANT SAFETY INFORMATION



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.**

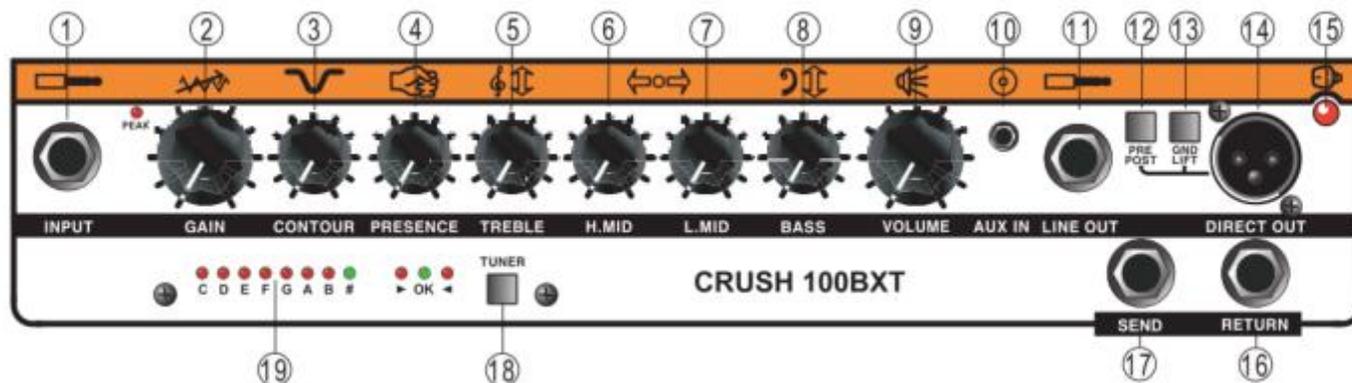
### **FUSES:**

**100V/120V – T4A**

**230V/240V – T2A**



## FRONT PANEL FEATURES



	NAME	DESCRIPTION
1	INPUT	Plug your guitar into this input
2	GAIN	The gain control adjusts the gain
3	CONTOUR	When turning clockwise, a boost is achieved in both the bass and treble ranges, while the midrange is being slightly cut
4	PRESENCE	Adds higher frequencies to the guitar tone, creating crispness and bite
5	TREBLE	Provides high frequency equalization as required
6	H.MID	Provides high middle frequency equalization as required
7	L.MID	Provides low middle frequency equalization as required
8	LOW	Provides low frequency equalization as required
9	VOLUME	Controls the overall volume of the amplifier
10	AUX IN	Use this 1/8" stereo mini jack to connect the output of a CD or MP3 player, laptop, etc to the amplifier - The jacks are internally summed to a mono signal
11	LINE OUTPUT	Use this unbalanced jack to send a line level signal to another amplifier, the mixing board, or recording console.

12	PRE/POST SWITCH	Switches 'Direct Output' between 'Pre' mode and 'Post' mode
13	GND/LIFT SWITCH	Engage the 'Ground Lift' button if ground hum is experienced when the 'Direct Out' is in use
14	DIRECT OUT	Signal for connection to external power amplifiers
15	POWER INDICATOR	LED indicates whether the power switch is ON or OFF
16	RETURN	For connection from the output of an external effects processor
17	SEND	For connection to the input of an external effects processor
18	TUNER SWITCH	This push switch turns the Tuner on/off
19	TUNER LED	These LEDs are the tuning guide



## REAR PANEL FEATURES



	NAME	DESCRIPTION
20	AC MAIN POWER SWITCH	This switch turns the AC Main Power on/off
21	AC INLET & FUSEHOLDER	Connect the supplied standard 3-pin 'IEC' plug here

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

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

## SPECIFICATIONS

CRUSH 100BXT	
<b>OUTPUT POWER</b>	100 Watts RMS @ 1% THD 4 ohm
<b>POWER CONSUMPTION</b>	2200VA
<b>POWER REQUIREMENT</b>	100v, 120V, 230V-240V, 50/60Hz
<b>INPUT</b>	Guitar and AUX
<b>DIMENSIONS (W) x (H) x (D)</b>	20x20, 8x13.7 inch 510x530x350 mm
<b>INPUT SENSITIVITY</b>	Normal 40mV F=1Khz Volumes Tone Controls at max
<b>WEIGHT</b>	56 lbs (25.5kg)
<b>NOISE</b>	-25dB (Vol Max/M.Vol max) -55dB (Vol max/M.Vol min) -30dB (Vol max/M.Vol min/Rev max)
<b>CABINET</b>	Sturdy Particleboard
<b>COLOUR &amp; FINISH</b>	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](http://www.orangeamps.com)

