

# ORANGE<sup>TM</sup>

AMPLIFICATION

## CRUSH MINI

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## OWNER'S MANUAL

Est.



1968

London | England

DESIGNED AND ENGINEERED BY ORANGE MUSIC ELECTRONIC COMPANY LTD.  
108 RIPON WAY, BOREHAMWOOD, WD6 2JA, UK. ORANGEAMPS.COM

### IMPORTANT SAFETY INFORMATION

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarised or grounding-type plug. A polarised plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

**NO USER SERVICEABLE PARTS INSIDE. DO NOT ATTEMPT TO GAIN ACCESS TO THE INTERIOR OF THE PRODUCT. REFER ALL SERVICING TO AUTHORISED ORANGE SERVICE PERSONNEL**

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.

**WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. For indoor use only. Do not place liquids, or objects containing liquids on or near the apparatus.

Models which use a mains cord/plug to connect to the mains electricity supply must be connected to a mains socket outlet with a protective earthing connection. The voltage selector switch and mains fuse are 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 outlet before connecting the mains cord/plug.

If the product is to be used outside of the factory set region, ensure the voltage selector switch (found on the rear or side 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 your product is printed on the chassis. Use only the same 250V type and rating as specified for the product. Different operating voltages may require the use of different types of line cord and attachment plugs. If you are unsure, contact your Orange Dealer.

This Orange product conforms to UL 60065:2001 (Seventh Edition) + A1:2005 + A2:2010 for Audio, Video and Similar Electronic Apparatus. Certified to CAN/CSA CAN/CSA-C22.2 No. 60065:03

This Orange product complies with the WEEE Directive (2002/96/EC) marking requirement. This affixed product label indicates that you must not discard this electrical/electronic product in domestic household waste. Please contact your local authority for details of your nearest approved recycling facility.

## CRUSH MINI - PANEL FEATURES

### INPUT

This is the input of the unit for your guitar which also acts as a power switch. Connecting the jack will allow the unit to be turned on



### TUNER

The chromatic display shows which note you are playing.



The pitch indicator shows if the note is flat or sharp. Adjust the pitch in the direction shown until the OK LED is lit.



### PHONES

The headphone output disengages the speaker output for silent practice. **CAUTION:** Headphones used for extended periods of time at extremely loud levels may cause hearing damage.



**GAIN:** Adjusts the gain level. A variety of tones can be achieved, from clean (low setting) to heavy distortion (higher settings) and everywhere in between.

Note: With the Gain set to minimum, no sound will be heard.



**SHAPE:** Adjusts the tonal response. Turning clockwise reduces mids and produces brighter tones. Turning fully clockwise 'scoops' the mids entirely.

Turning anticlockwise increases the mids and smooths the treble.



**VOLUME:** Adjusts the overall output volume. Experiment with the Gain control to achieve the desired balance. Set to the minimum position before switching the unit ON. When using the Phones output, keep the Volume control low to avoid overloading headphones or the input of your mixer/recording console.

## CRUSH MINI - REAR FEATURES

### SPEAKER OUT

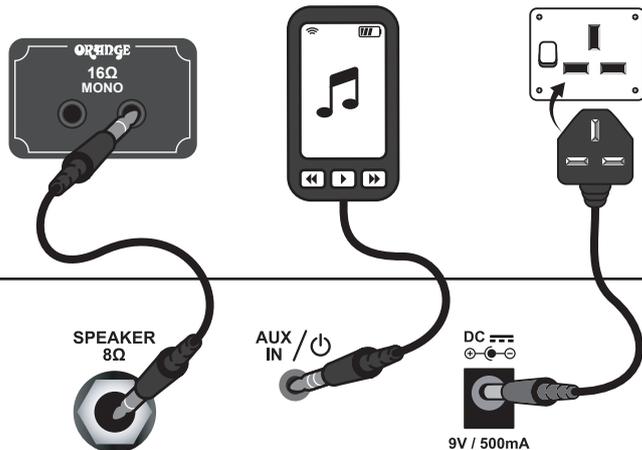
The Crush Mini can be used to power an external speaker with a rating of 8Ω or more. This will disconnect the internal speaker. Always use a dedicated speaker cable.

### AUX IN

Connect external devices (Laptop, MP3 player etc.) to the AUX IN via a 3.5mm audio cable. Audio is summed to mono. Connecting a jack to the AUX IN will allow the unit to be turned on.

### DC IN

The Crush Mini can be powered by 9V or 12V DC. A regulated DC power supply fitted with a centre negative plug (2.1mm) must be used.



SPEAKER 8Ω

AUX IN /

DC

9V / 500mA



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, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRABLE OPERATION. THIS DEVICE COMPLIES WITH CANADIAN INTERFERENCE REGULATIONS CAN ICES-3(B)/NMB-3(B).