

ORANGE™

AMPLIFICATION

SUPER CRUSH 100

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 INSTRUCTIONS

- 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 a 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.



The exclamation point within an equilateral triangle and "WARNING" are intended to alert the user to the presence of important operating or servicing instructions. Failure to heed the instructions can result in severe injury or death.

This equipment should be used under the supervision of an adult at all times.



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.



The "Caution, hot surface" symbol indicates that the marked item may be hot.

Ensure the apparatus is installed with plenty of space around the unit (> 6"/12.5cm) as this apparatus may generate heat under normal use. This equipment is not intended to be used on soft support (like beddings, blankets etc.). This equipment should always be placed on a flat, stable surface.



To reduce the risk of fire and electric shock do not expose this apparatus to rain or moisture. Do not use in damp environments, e.g. bathrooms etc.



Do not place objects containing liquids on, or near the product. Do not operate this apparatus or connect/disconnect a power plug whilst hands are wet.

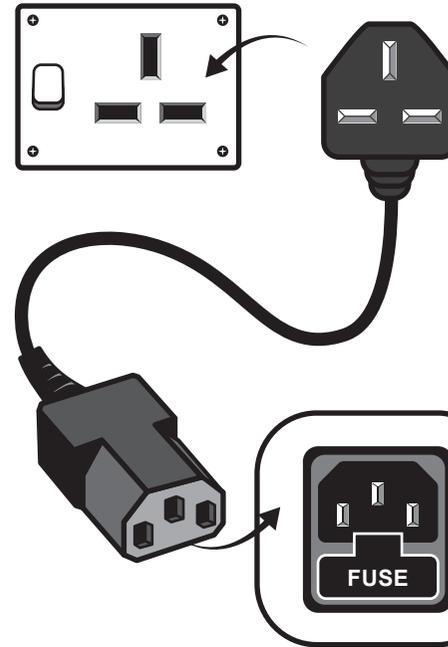


Do not attempt to gain access to the interior of the product. No user serviceable parts inside. Refer all servicing to qualified servicing personnel.



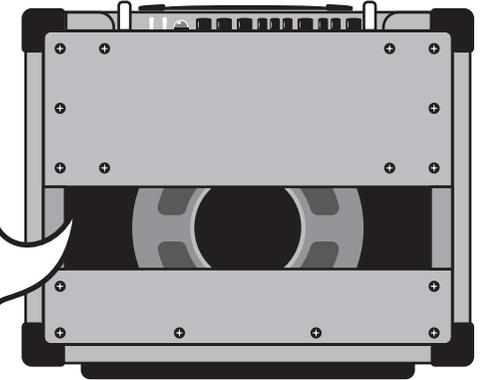
This symbol indicates this product is classified as Waste Electrical and Electronic Equipment (WEEE) in the European Union and should not be discarded with household waste. Contact your local authority for more information and details of your nearest approved disposal facility.

POWERING YOUR UNIT



WARNING

Connect the included power cord/plug to an AC mains socket outlet with a protective earthing connection.



SUPER CRUSH 100 COMBO



WARNING



FUSE INFORMATION

The mains fuse is provided for your safety. The fuse rating for your model and region is indicated near the unit's AC mains inlet

Do not replace with a fuse of a different type

T = Time Delay ("Slow Blow")

mA or A = Rated current, expressed in mA or A

L = Low breaking capacity or;
H = High breaking capacity

If the mains fuse repeatedly blows, contact your Orange dealer.

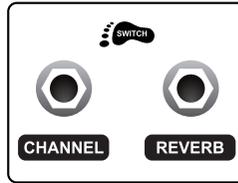
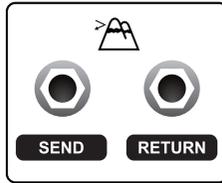
DO NOT TAMPER WITH VOLTAGE SELECTOR SWITCH



The voltage selector switch is located on the rear or side of the product. It is set at the factory for the country or region in which the unit is intended to be sold. If the unit is to be used overseas, contact Orange Amplification.

REAR PANEL

The **FOOTSWITCH**, **FX LOOP** and **D.I.OUT** function the same on the **SUPER CRUSH 100 COMBO** and the **SUPER CRUSH 100 HEAD**. However the speaker connections are different (see below).



D.I. OUT

The D.I Out outputs a **BALANCED "CAB SIM"** signal. The button gives the option of an **OPEN BACK** or **CLOSED BACK** cabinet simulation.



FX LOOP

Used to place external effects between the amplifier's preamplifier section and power amplifier section. Connect the **SEND** jack to the input of external effects. Connect the output of external effects to the **RETURN** jack.



FOOTSWITCH

Connect a latching footswitch (e.g. Orange FS-1) to remotely select between: **CHANNEL** - Dirty / Clean **REVERB** - on / off

SUPER CRUSH 100 HEAD

The **SUPER CRUSH 100 HEAD** speaker outputs are wired in parallel. They give the option to connect: 1 x 8Ω speaker cabinet, 1 or 2 x 16Ω speaker cabinet. (The minimum total impedance is 8Ω)

SUPER CRUSH 100 COMBO

The **SUPER CRUSH 100 COMBO** has a built-in 12" Celestion 8Ω, 150 Watt, G12H Speaker.

SPEAKER OUTPUTS CLASS 2 WIRING



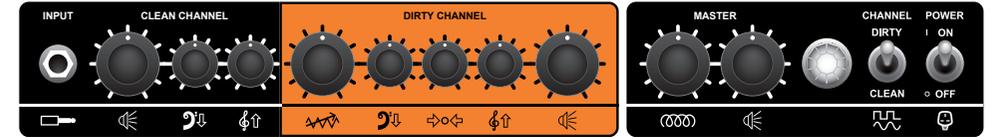
1 x 8Ω or 1 x 16Ω or 2 x 16Ω
(MINIMUM TOTAL IMPEDANCE 8Ω)
SPEAKER OUTPUTS ARE WIRED IN PARALLEL

GENERAL USE

- Before switching on the power, set the unit's volume control(s) to minimum.
- Use good quality shielded instrument cable to connect your instrument to your unit's input.
- To prevent excessive hum and electrical noise, operate your amplifier and instruments as far away as possible from other electronic devices. Examples include: refrigerators, motors, air conditioners, television sets, radio receivers etc.

FRONT/TOP PANEL

The controls function the same on the **SUPER CRUSH 100 COMBO** and the **SUPER CRUSH 100 HEAD**. They appear in the opposite order. This graphic below is of the **SUPER CRUSH 100 HEAD**.



VOLUME (Master)

Adjusts the **VOLUME** on both channels.



REVERB (Master)

Increases / decreases the amount of **REVERB** on both channels.



VOLUME

Adjusts the **VOLUME** level on the Clean or Dirty Channel separately.



BASS

Adjusts the lower frequency response. Increasing the **BASS** produces deeper sounds.



GAIN

Controls the (preamplifier) gain level. Higher settings produce more distortion. Note: When set to minimum, no sound will be heard.



TREBLE

Adjusts the high frequency response. Increase the **TREBLE** for brighter tones or reduce for a warmer sound.



CHANNEL

Toggles between the Clean and Dirty channel.



POWER

The lamp will illuminate to indicate the power is switched **ON**.



INPUT

Use a quality shielded instrument cable to connect your instrument to the **INPUT** jack socket.



MIDDLE

Adjusts the midrange response. Increasing the mids creates a fatter sound, whilst reducing 'scoops' the tone.

