

# ORANGE™



## Rockerverb 50 & 100 Owners Manual

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**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.

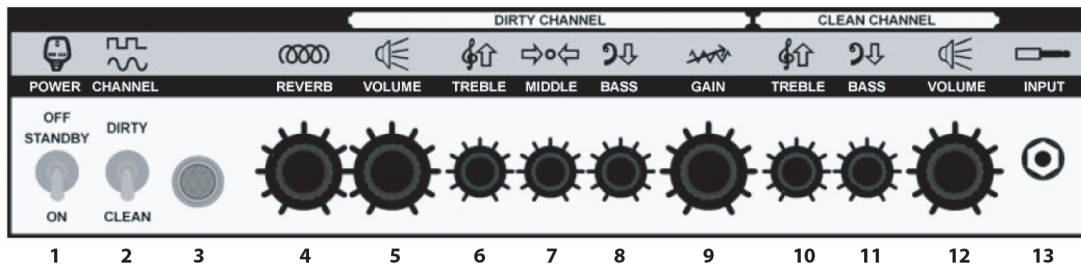
Our commitment to craftsmanship and quality control has allowed our amplifiers to stand the test of time, giving their owners as much pleasure now, as the day they were bought. To maintain this level of excellence, each Orange amplifier is put through many rigorous test procedures before leaving the 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.

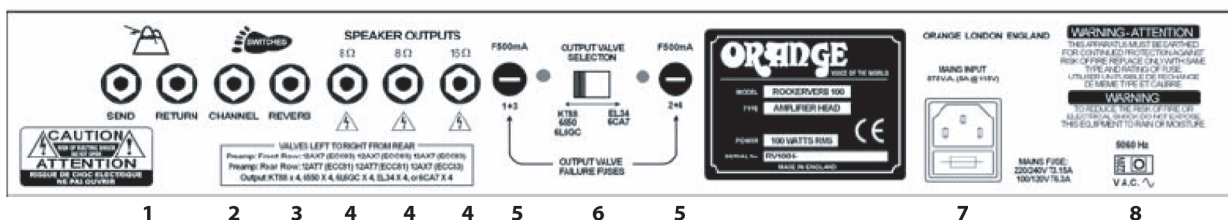
We are confident that you will be delighted with your new purchase and that it will provide you with many years of enjoyment.

## Front Panel



1. **Power/Standby Switch** Please refer to the 'Using Your Amplifier' section for correct standby/on procedure.
2. **Channel Switch** Switches amplifier between Clean and Dirty Channels
3. **Power Indicator Lamp**
4. **Reverb Control** Controls the Reverb level for both channels
5. **Volume Control** Controls the Dirty channel output level
6. **Treble Control** Controls the high frequency level of the Dirty channel
7. **Middle Control** Controls the mid range level of the Dirty channel
8. **Bass Control** Controls the bass frequency level of the Dirty channel
9. **Gain Control** Controls the Overdrive/Distortion level of the Dirty channel
10. **Treble Control** Controls the high frequency level of the Clean channel
11. **Bass Control** Controls the bass frequency level of the Clean channel
12. **Volume Control** Controls the Clean channel output level
13. **Input Socket** For both channels

## Rear Panel



1. **Send & Return Sockets** Effects loop for most outboard units.
2. **Channel Footswitch Socket** Attaching an optional footswitch to this socket will allow you to remotely change channels.
3. **Reverb Footswitch Socket** Attaching an optional footswitch to this socket will allow you to remotely switch the reverb effect on and off.
4. **Speaker Outputs** When using a single Orange 16 ohm speaker cabinet, (i.e. PPC412 or PPC212), attach it to the 16 ohm output socket on your amplifier.  
When using two Orange 16 ohm speaker cabinets attach each one to a separate 8 ohm output socket on your amplifier.  
When using a single 8 ohm cabinet attach it to either one of the two 8 ohm output sockets on your amplifier.  
**WARNING:** Never use two 8 ohm cabinets at the same time.  
When using a Rockerverb 50 combo with a 16 ohm extension speaker, disconnect the internal speaker from the 16 ohm socket and reconnect to one of the two 8 ohm sockets. Connect the extension speaker to the other 8 ohm socket.  
**WARNING:** Orange Rockerverb amplifiers should not be used with 4 ohm speakers.
5. **Output Valve Fuses** Should an output valve fail, these fuses will shut down one pair of valves, allowing continued use of the amplifier at reduced power. The external LED indicators help identify the failed valve. Please refer to the Technical Specification section for fuse ratings.  
**WARNING:** In the event of an output valve failure we recommend that you seek the advice of a qualified service technician.
6. **Output Damping Switch** (Rockerverb 50 models only). High position = standard output. Low position = increased output sensitivity.
7. **Output Valve Selector** (Rockerverb 100 only). The Rockerverb 100 is factory delivered with EL34/6CA7 valves. These give the amplifier a 100 watt RMS power rating.  
The output selector switch allows the amplifier to be run on different valves.  
The output selector switch allows the amplifier to be run on different valves.  
(KT88's = 140 watts RMS / 6550's = 120 watts RMS / 6L6's = 90 watts RMS).  
**WARNING:** The amplifier will need to be re-biased by a qualified service technician if the valves are changed.
7. **Mains Socket & Fuse Holder** This is where your mains lead plugs in. Also the mains fuse is located here. Please refer to the Technical Specification section for fuse ratings.
8. **Mains Voltage Switch** Switches amp between 220V and 240V or 100V and 120V. This should be set to the mains electricity voltage used in the country where the amplifier is to be operated.

Please ensure your amplifier is switched to the correct voltage for your country. If unsure please consult your dealer.

# Using Your Amplifier

**IMPORTANT!** Before connecting your amplifier to a power source, please check the following:

1. Ensure your speaker cabinet is connected to the correct speaker output impedance socket, using a good quality speaker cable. Do not use guitar leads. (Head models only. The Rockerverb 50 Combo will have its speaker attached).
2. Ensure that the voltage selector switch is set to the correct mains voltage.

When powering up your amplifier, switch to the 'Standby' position first and leave for two minutes before switching to the 'On' position. (This will maximise the life of your valves).

If you are unsure about any of the above points please consult your Orange supplier.

## Using the Clean Channel

The Volume control increases the Clean Channel output level of your amplifier. Turning the Volume control into its upper ranges will drive the power valves and create a vintage style, overdriven poweramp tone.

The EQ section is interactive on this channel. When the Bass level is increased the mid frequencies are reduced, resulting in a phase shift on the Treble control. Many different sounds can be achieved from this EQ system.

## Using the Dirty Channel

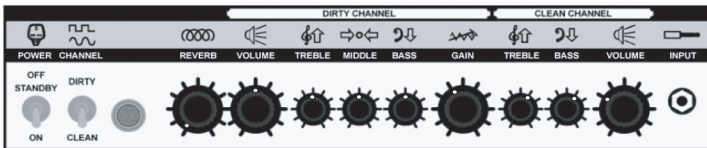
The Dirty Channel on the Rockerverb uses four stages of valve gain. Depending on the position of the Gain and Volume controls, sounds from Crystal Clean through British Crunch, to Ultra High Gain can be obtained. The 3-band EQ can be used to filter the overdrive and create your own sound.

## Reverb

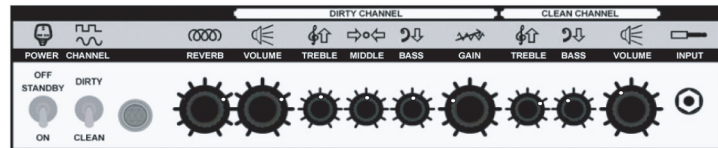
Reverb is available on both channels. Experiment to achieve desired level.

## Sample Settings

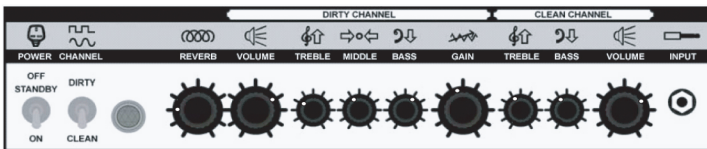
**Dirty Channel = Classic British Rock**  
**Clean Channel = Clean & Dry**



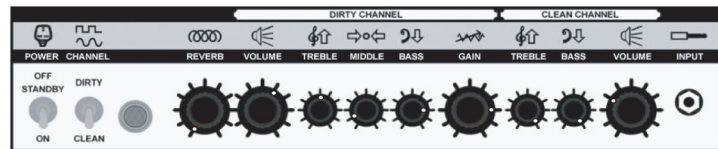
**Dirty Channel = Rockabilly Lead**  
**Clean Channel = Rockabilly Clean**



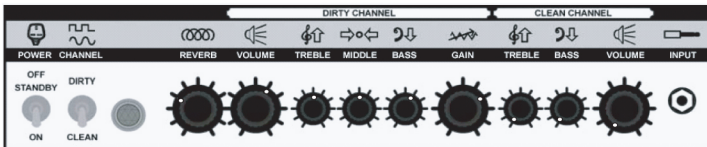
**Dirty Channel = Chicago Blues**  
**Clean Channel = Cranked Clean Blues**



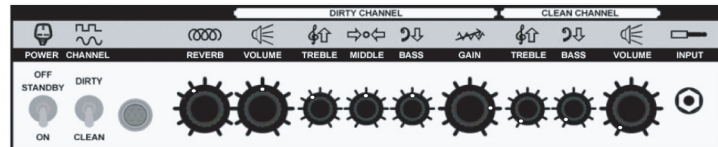
**Dirty Channel = Nu Metal/Thrash Scoop**  
**Clean Channel = Nu Metal Clean**



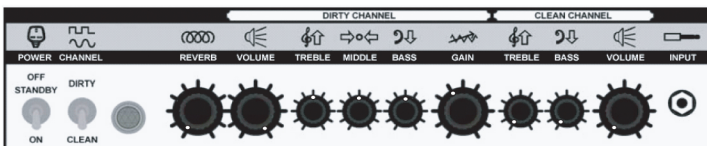
**Dirty Channel = Classic Metal Lead/Rhythm**  
**Clean Channel = No Clean Setting**



**Dirty Channel = High Gain Blues**  
**Clean Channel = No Clean Setting**



**Dirty Channel = Classic Rock "Loud!"**  
**Clean Channel = No Clean Setting**



**NOTE:** All of the above settings, with the exception of those dependent on power amp distortion, can be achieved at lower volume levels. These sound settings demonstrate the versatility of this amplifier.

# Technical Specifications

	Rockerverb 50 Combo	Rockerverb 50 Head	Rockerverb 100 Head
<b>Power</b>	50 watts RMS / 90 watts Peak	50 watts RMS / 90 watts Peak	100 watts RMS / 250 watts Peak
<b>Channel Configuration</b>	Clean / Dirty	Clean / Dirty	Clean / Dirty
<b>Speaker</b>	2 X 12" Celestion Vintage 30	-	-
<b>Reverb</b>	Tube Driven	Tube Driven	Tube Driven
<b>Footswitch Function</b>	Channel / Reverb	Channel / Reverb	Channel / Reverb
<b>Hi / Lo Damping</b>	Yes	Yes	-
<b>Valve Failure Protection*</b>	Yes	Yes	Yes
<b>Interchangeable Power Valves**</b>	-	-	Yes
<b>Preamp Valves</b>	4 X ECC83 / 12AX7	4 X ECC83 / 12AX7	4 X ECC83 / 12AX7
<b>Power Valves</b>	4 X 6V6	4 X 6V6	4 X EL34 / 6L6GC KT88 / 6550
<b>Reverb Valve</b>	2 X ECC81 / 12AT7	2 X ECC81 / 12AT7	2 X ECC81 / 12AT7
<b>Mains Fuses</b>	100 / 120V - T5 A 220 / 240V - T2 A	100 / 120V - T5 A 220 / 240V - T2 A	100 / 120V - T6.3 A 220 / 240V - T3.15 A
<b>HT Fuses</b>	F250 mA	F250 mA	F500 mA
<b>Clean Channel Controls</b>	Volume / Bass / Treble	Volume / Bass / Treble	Volume / Bass / Treble
<b>Dirty Channel Controls</b>	Gain / Volume Bass / Middle / Treble	Gain / Volume Bass / Middle / Treble	Gain / Volume Bass / Middle / Treble
<b>Other Controls</b>	Reverb	Reverb	Reverb
<b>Weight</b>	38kg / 84lb	23.5kg / 52lb	27kg / 60lb
<b>Dimensions (mm)</b>	660 X 300 X 533	550 X 280 X 255	550 X 280 X 255