

# 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.

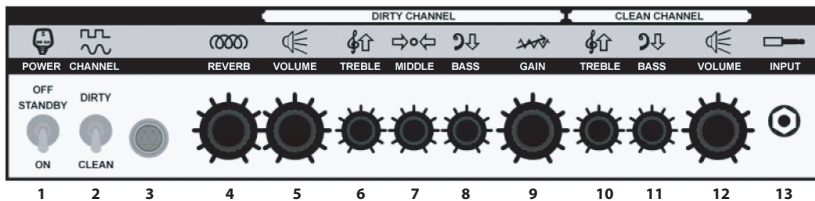
Our commitment to craftsmanship and quality control has allowed our amplifiers to stand the test of time, giving their owners as much pleasure now, as the day they were bought. To maintain this level of excellence, each Orange amplifier is put through many rigorous test procedures before leaving the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

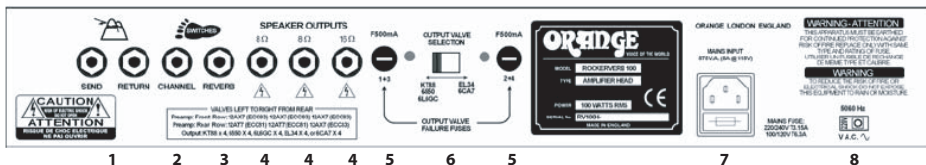
We are confident that you will be delighted with your new purchase and that it will provide you with many years of enjoyment.

## 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.
5. **Output Valve Fuses** **WARNING:** Orange Rockerverb amplifiers should not be used with 4 ohm speakers. 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.  
(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 it's 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 it's 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



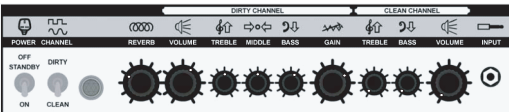
Dirty Channel = Chicago Blues  
Clean Channel = Cranked Clean Blues



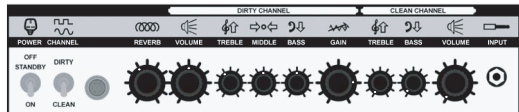
Dirty Channel = Nu Metal/Thrash Scoop  
Clean Channel = Nu Metal Clean



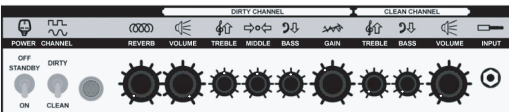
Dirty Channel = Classic Metal Lead/Rhythm  
Clean Channel = No Clean Setting



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