 Whilst the information contained herein is correct at the time of publication, due to our policy of constant improvement and development, Marshall Amplification plc reserve the right to alter specifications without prior notice.

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WARNING!

PLEASE READ THE FOLLOWING LIST CAREFULLY

A. ALWAYS fit a good quality mains plug conforming to the latest B.S.I. standards (UK only).
B. ALWAYS wire the plug in accordance with the colour code attached to the mains lead (UK only).
C. DO NOT attempt to remove the amplifier chassis. There are no user serviceable parts inside.
D. ALWAYS have this equipment serviced or repaired by competent, qualified personnel.
E. NEVER under any circumstances, operate the amplifier without an earth.
F. NEVER use any amplifier in damp or wet conditions.
G. ALWAYS ensure that the impedance of the speaker or speakers connected does not fall below the amplifiers minimum impedance rating and is matched to this amplifiers output.
I. PLEASE READ this instruction manual carefully before switching on.

Introduction

Models 9100 2 x 50 watt and 9200 2 x 100 watt stereo valve power amplifiers are the latest step forward in valve rack technology from Marshall.

Built as dedicated guitar system based units, they incorporate many features that are both revolutionary and evolutionary. From stunning styling through to the radical circuit design, these power amps are in a sonic class of their own without any compromises to their true Marshall heritage.

The specially designed Marshall "Gold" front panel provides a deep recess in which the controls are sited giving a smooth uncluttered finish whilst allowing the controls to be set and forgotten about, with little fear of accidental re-adjustment. The removable top half contains a window, which in addition to showing the true glory of the valves when the amp is in use, provides easy access to the output valves when replacement becomes necessary.

The two power amp halves of your 9100/9200 are totally separate “MonoBlocs”, a feature that is normally only found on expensive valve hi-fi power amps. This means that the only common electrical item (apart from when specifically cross linking inputs) is the mains supply and that nothing that occurs to one power amp can sonically react with the other half. Also in the unlikely event of one side breaking down, the other side will carry on working regardless.

Our constant research into valve amplifier technology has resulted in further circuit design improvements which dramatically effect the overall feel and playing response of the 9100 & 9200. These improvements include Marshalls latest True Differential Inverter technology, which expands the capability of the phase splitter (inverter) to be nearer to a true differential amplifier than most other circuits used today. Put simply, the phase splitter takes the incoming signal and inverts half of it. This inverted half of the signal forms the bottom half of the sound envelope and the non-inverted half forms the top half. The effect of T.D.I. technology is to give a more defined spectrum of sound over a broader band width without compromising the overdrive and compression effects for which valve amplifiers are famed.

This also allows more radical uses of feedback networks and the incorporation of the “voicing” switching found on each channel. These incredible “voicing” options, which can be remotely activated, can be used to greatly expand your pre-amps tone forming at the flick of a switch.

Mounting the 9100 and 9200 in a rack

Your 9100/9200 is a 19 inch 3U high rack mounting unit and subsequently we strongly recommend that, to protect your investment, it is securely mounted in a suitable rack enclosure. A series of mounting holes are provided both front and rear to allow sufficient fixings to be utilised. As with all rack mount products of substantial weight, the rear of the unit must be supported as well as the front, therefore suitable brackets should be obtained and fitted between the provided rear mountings and the rack case.

Ventilation and air flow

Even though the amplifier has fan reinforced cooling, it must be remembered that a valve amplifier, by necessity, generates a high level of heat, and therefore should not be mounted or used in a situation without adequate airflow.
9100 and 9200 valve power amplifiers

1. Channel A mains power rocker switch
   Connects channel A to incoming mains supply.
   LED 3 indicates red when activated.
2. Channel A standby switch
   Connects channel A’s high voltage circuit to the power supply. LED 4 indicates green when activated.
   Note! Items 1 & 2 are marked 0 & 1 (to comply with international regulations), 0 is off and 1 is on.
   Note! To conserve valve life, standby switch 2 should remain off for at least 1 minute after powering up the amplifier.

5. Voice B LED
   Indicates red when channel A's voicing option B is activated.
6. Channel A voice toggle switch
   Selects voice option A or B, this function is repeated on a remote switching jack on the rear panel (see rear panel functions). The switch should be in the B position for the remote switch to be operative.
7. Channel A presence control
   Rotary control to boost the upper mid to high frequency content of sound.
8. Channel A gain control
   Rotary control to set and balance the incoming signal level.
9. Channel B gain control
10. Channel B presence control
11. Channel B voice switch

12. Channel B voice LED
13. Channel B standby LED
14. Channel B mains LED
15. Channel B standby switch
16. Channel B mains switch
   Note! Channel A's notes also apply.
17. Upper front panel fixing screws
   Use 2mm (5/64) allen head driver to remove.
18. Front rack mount fixing holes.

Rear Panel

1. Mains input socket
   Connects amplifier to incoming mains supply.
2. Channel B mains fuse
   Please see specifications for correct ratings.

3. Channel A mains fuse
   Please see specifications for correct ratings.

4. Channel B H.T. fuse
   Please see specifications for correct ratings.

5. Channel A H.T. fuse
   Please see specifications for correct ratings.

6. Channel B loudspeaker jacks
   Connects channel B to loudspeaker load - model 9100 - 50 watts RMS, model 9200 - 100 watts RMS.

7. Channel B output impedance select
   16 Ohm or 8 Ohm - it is important that your amplifier and loudspeaker load are correctly matched.
   Note! If 4 Ohm output is desired please consult your authorised Marshall agent.

8. Channel A output impedance select
   See 7 for notes.

9. Channel A loudspeaker jacks
   See 6 for notes.

10, 11. Remote voicing switching jacks
   10 operates on channel B, 11 operates on channel A. Short to ground function. Using jack 11 only links channel A & B switching functions for simultaneous use.

12. Channel B link out jack
   Connects channel B input signal to further power amp inputs.

13. Channel B input jack
   Accepts input from preamp.

14. Channel A input jack
   Accepts input from preamp.
   Note! Using 14 only connects input signal to both channels A & B for parallel mono operation.

15. Channel A link out jack
   Connects channel A input signal to further power amp inputs.

### Specification Chart

<table>
<thead>
<tr>
<th>Parameter</th>
<th>9100</th>
<th>9200</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>19” 3U x 331mm deep</td>
<td>19” 3U x 331mm deep</td>
<td>the unit must be supported at the rear when mounted in a rack</td>
</tr>
<tr>
<td>Weight</td>
<td>29.5 kg</td>
<td>34.5 kg</td>
<td></td>
</tr>
<tr>
<td>Power input</td>
<td>350 watts</td>
<td>700 watts</td>
<td></td>
</tr>
<tr>
<td>Voltage Input</td>
<td>115V or 230V</td>
<td>115V or 230V</td>
<td>Consult amp rating plate or dealer</td>
</tr>
<tr>
<td>Frequency</td>
<td>50 or 60 Hz</td>
<td>50 or 60 Hz</td>
<td>Consult amp rating plate or dealer</td>
</tr>
<tr>
<td>Mains fuses</td>
<td>T3.15A/115V</td>
<td>T4A/115V</td>
<td>Per channel</td>
</tr>
<tr>
<td></td>
<td>T1.6A/230V</td>
<td>T2A/230V</td>
<td>Per channel</td>
</tr>
<tr>
<td>H. T. Fuses</td>
<td>T315 mA</td>
<td>T1A</td>
<td>Per channel</td>
</tr>
<tr>
<td>Output Power</td>
<td>50W RMS</td>
<td>100W RMS</td>
<td>At clipping (per channel)</td>
</tr>
<tr>
<td>Output Impedance</td>
<td>8 or 16 Ohm</td>
<td>8 or 16 Ohm</td>
<td>Consult dealer for 4 Ohm</td>
</tr>
<tr>
<td>Input sensitivity</td>
<td>OdB</td>
<td>OdB</td>
<td></td>
</tr>
<tr>
<td>Input impedance</td>
<td>20KΩ</td>
<td>20KΩ</td>
<td></td>
</tr>
<tr>
<td>Output valve</td>
<td>2 x 5881*</td>
<td>4 x 5881*</td>
<td>Per channel</td>
</tr>
<tr>
<td>Phase inverter</td>
<td>1 x ECC81/12 AT7</td>
<td>1 x ECC81/12 AT7</td>
<td>Per channel</td>
</tr>
<tr>
<td>Pre Driver</td>
<td>1 x ECC83/12 AX7</td>
<td>1 x ECC83/12 AX7</td>
<td>Per channel</td>
</tr>
</tbody>
</table>

* Output valves may be either 5881 or EL34 please note they are not interchangeable. Consult qualified service personnel.

### Valve Location Guide

- Rear Mounting Fixing Hole
- OUTPUT TRANSFORMER
- MAINS TRANSFORMER
- Not Fitted To 9100
- ECC81
- ECC83
- 12AT7
- 12AX7
- FRONT
- 5881*