

APPENDIX A

Joe Popp - Mashall Guitar Amplifier

Basic Manual

Power up Sequence

1. Make sure that the speaker cable from the amplifier to the cabinet is connected.
2. Make sure that **Standby** is on (Standby Switch to **O**) before you power up the amplifier.
3. Power up the amplifier (Power Switch to **1**).
4. Leave amp in Standby mode for at least 2 minutes for the tubes to warm up before using the amp.
5. Take amp out of Standby (Standby Switch to **1**).

Power Down Sequence

1. Put amp in Standby mode for at least 2 minutes (Standby Switch to **O**).
2. Power down the amplifier (Power Switch to **0**)



Front Panel Controls

Input Sensitivity/High - All gain stages available in preamplifier circuit.

Input SensitivityLow - Removes a gain stage from the preamplifier circuit.

Presence – Adds a treble crunch. A high gain sound in the upper frequencies. Different sounding than just adding treble. Actually cuts the highs in the negative feedback loop which increases highs at the output.

Bass – Typical bass tone knob.

Middle – Set this up high if you want to get the most high gain sound out of the preamp.

Treble – Typical treble tone knob.

Master – Very sensitive!! The smallest changes make a big difference. Start at zero and move up slowly. Even at 1 this amp is LOUD.

Preamp – Settings 1-4 - simply adds gain with various stages of clean sound. Settings 4-6 - Crunch. Settings 6-10 - High Gain.



Back Panel Controls

Impedance Selector – The Marshall cabinet includes 2-16 Ω Greenback Celestion speakers wired in parallel. Therefore, the total load is 8 Ω (common load divided by the number of common loads). When you connect the preamp to the Marshall cabinet with the speaker level cable and you want to use both speakers you must use the **Mono/Right** (facing the cabinet) connector. This cabinet can be used in stereo mode whereby each speaker is feed by a separate amplifier. When using the amplifier in stereo mode you would use both inputs on the cabinet and each input would then provide a 16 Ω load. Connecting the Rachelle to the cabinet's Left side, with the Impedance Selector on 8, would create an impedance mismatch that could blow an expensive transformer.

Power Selector – The Power Selector is set to 110V. **DON'T EVER CHANGE OR TOUCH THIS SELECTOR.**

For More Information

<http://www.ioepopp.net/jcm8002.htm>