

# PAL800-V4 GOLD Overdrive Owner's Manual.

Thank you for your purchase and trust in our brand, this Hot Rod JCM800 in a box contains all the best of our 800 series in eight years of evolution with 3 different configurations, including an improved Mod #34 that has been the main tone of our guitar idol "SLASH". All this in a smaller and easy to setup format!



The PAL800-V4 GOLD Overdrive is a modified circuit of the JCM800 amp, replacing the vacuum tubes for very selected transistors carefully setup to perform the same way in each stage of pre-amplification, this 100% analog circuit is OP-Amp free and also clipping diodes free, all the pre-amplification and saturation are coming from the selected transistors the same way as the tubes in the JCM800 amp.

**USE ONLY REGULATED**  
9VDC -  +

## KNOBS CONTROLS

- 1. GAIN:** This knob works like the "Pre-Amp Volume" on a JCM800 amp. Turning this control clockwise you will overdrive the pre-amp section of the pedal, obtaining that rich classic distorted British sound that we all love. We recommend dialing the Gain control to about 1 o'clock as a starting point.
- 2. PRESENCE:** This knob controls the general high frequencies of the pedal after the three band EQ section, you could say that it emulates the presence control on a JCM800 amp at the power-section. Turning this control clockwise you will add more high frequencies to your signal... We recommend dialing the Presence control to about 1 o'clock for a starting point.

**3. VOLUME:** This knob is the master volume and final stage. This pedal has a very high output level signal depending on the Gain knob setting, so we recommend dialing the Volume control to about 12 o'clock for a starting point.

**4. BASS:** This knob controls the amount of bottom end (low frequencies) in the pre-section of the pedal. We recommend dialing the Bass control at 10 o'clock for a starting point.

**5. MIDDLE:** This knob controls the amount of mid-range frequencies in the pre-section of the pedal. It is the most responsive of the three EQ controls, so for tone adjustments start setting this knob before the Bass and Treble controls. We recommend dialing the Middle control to about 1 o'clock for a starting point.

**6. TREBLE:** This knob controls the amount of high-range frequencies (brightness) in the EQ section, it is very similar to the Presence control but in the pre-section of the pedal. We recommend dialing the Volume control to about 1 o'clock for a starting point.

**7. MASTER TONE:** If you open the enclosure you will find a trim-pot identified as a "MASTER TONE" in the main circuit board, it comes pre-adjusted from factory, however, depending on your taste and gear you can brighten up (clockwise) or darken down (anti-clockwise) the general and final tone on your pedal.

## TOGGLE SWITCH CONTROL

Thanks to the three-way toggle switch, we add 3 different configurations in this new version:

- 1. JCM II Setting:** In this setup we keep the original design from the PAL800 GOLD Overdrive that delivers a modern JCM800 tone.
- 2. Mod #07:** In this setup we add our favorite configuration of the Gain Voicing switch from our PAL800-V3 Gold Overdrive into the circuit, allowing you to get more tone range & structure response in the gain section. This mod will react depending of the Gain Knob position and it will be more radical at low gain settings.

**3. Mod #34:** The Mod #34 is better than ever! This famous modification that can be made in a 1959SLP or JCM800 amp is the main tone of our guitar idol "SLASH" and has been improved in this new version. For a more accurate result of the MOD #34, please set up the Gain knob around 11 to 2 O'clock using your favorite Les Paul.

## IMPORTANT NOTES

For the best performance of this effect pedal we used precision equipment and methods to set it up perfectly. Please take these recommendations in mind:

1. This pedal was designed to be used in front of (before) the amp pre-section, especially into Fender style models. You can also plug it at the FX Loop return input jack to use it in front of the amp power-section (like a pre-amplification unit), taking in consideration to adjust the pedal output volume in order to not oversaturate the signal that goes into the power-section.
2. It's very important to use a regulated 9V DC power supply (with negative center pin) designed for analog pedals, otherwise you will get unwanted background noise (hum sound) out of the effect.
3. There is no OP-Amps (Operational Amplifier ICs) used for Pre-Amplification or any kind of clipping diodes combination into the circuit, all the pre-amplification and saturation are coming only from the selected transistors the same way as the vacuum tubes in the JCM800 amp.
4. If you have any suggestion, questions or need technical support please contact us at [www.pedalpalfx.com](http://www.pedalpalfx.com).

## SPECIFICATIONS

SMT (Surface-Mount Technology) components.

High quality parts.

100% Analog circuit.

Made & Setup One by One.

Modified circuit of the JCM800 amp replacing the vacuum tubes for very selected transistors.

OP-Amps free, CMOS free and Clipping Diodes free.

Gain Knob.

Three Band EQ: Bass, Middle and Treble Knobs.

Presence Knob.

Master Volume Knob.

Three-Way Toggle Switch: JCM II, Mod #07 and Mod #34.

Master Tone trim-pot inside the main circuit board.

Input Impedance: 1M ohm.

Output Impedance: <100K ohm.

Power Consumption: 9VDC / 7.5mAh.

AC Adapter required (Not included): Regulated 9VDC, 2.1mm Coax Plug - Negative Center.

True Bypass Hardwire.

Weight: 260 grs / 9.2 oz.

Size: 115mm (D) x 70mm (W) x 51mm (H).

**Thank you very much and "LET'S ROCK THE WORLD".**



- Luis Pena -

*PedalPalFx Director & Designer.*

*Handmade with Passion & Care in Vzla, Planet Earth.*