

## PAL987 PLEXI CARRERA Owner's Manual.

Thanks you for your purchase and trust in our brand, this pedal is based on the famous 1987X 50-Watt PLEXI circuit, where we have replaced the vacuum tubes for very unique transistors carefully set-up to perform the same way in each stage of pre-amplification.



The word “CARRERA” stands for the mid-high gain performance of the pedal, which has a dedicated mid-range tone, emphasizing the high-mid frequencies where all the lovely Marshall harmonic tones shine.

Taking into consideration all the mods that have been made on the 50-Watt PLEXI and other models like the JCM800, we were able to increase the attack, sustain, and cut out low frequencies to get this custom mid-range response.

**USE ONLY REGULATED**  
**9V DC** —  **+**

### KNOBBS CONTROLS:

**1. GAIN:** This dedicated knob control works like the “Pre-Amp Volume” on a 50-Watt Plexi amp and also change the gain voicing depending on its setting. Turning this control clockwise you will overdrive the pre-amp section of the pedal, obtaining a rich distorted British tone emphasizing the midrange frequencies. As you low the knob setting, the gain voicing will be tighter with less bass response, we recommend dialing the Gain control to about 1 o'clock as a starting point.

**2. PRESENCE:** This knob has an improved active circuit that controls the general high frequencies of the pedal and adds extra-gain into the signal after the three band EQ stage, acting the same way as the presence control on a 50-Watt Plexi amp at the power-section. Turning this control clockwise you will add more high frequencies and extra-gain into the signal. We recommend dialing the Presence control to about 2 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 11 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 and thanks to the dedicated Gain knob control, now it has a more interactive response, so you can set it up very low to cut the bass at high gain settings. 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 (without adding extra-gain into the signal).

Thanks to the dedicated Gain knob control now this knob is also more interactive, you can set it up very high to add brightness into the signal at high gain settings. We recommend dialing the Treble control to about 2 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”, 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.

### T.S. (TONE STRUCTURE) TOGGLE SWITCH CONTROL:

This three-position switch has a new feature that allows you to change different parameters into the circuit increasing the versatility of the pedal.

**1. Standard Setup (down-position):** in this setting the general tone structure of the pedal will have a warm open sound and early breakup, ideal to use at low gain configuration where the gain voicing is tight (below 12 o'clock in the Gain knob control).

**2. Tight Setup (middle-position):** this setting cuts the bass response and emphasizes the midrange frequencies, ideal for lead guitar tones at high gain settings where the gain voicing have an open sound (above 12 o'clock in the Gain knob control).

**3. Tight + Extra-Bass Setup (Up-position):** this setting is the same as the previous one (middle-position) but adds extra-bass into the signal, ideal to use also in lead guitar tones that requires a more open sound. The extra-bass in this setting is added after the Presence control stage, recreating the case of using a different type of power tubes with more bass response into the power-section of the amp.

We recommend dialing the T.S. Toggle switch at the up-position for a starting point.

#### **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 styles 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) are 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 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.

Special Selected Transistors Carefully Setup for Maximum Performance.

Made & Setup One by One.

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

Input Impedance: 1M ohm

Output Impedance: <100K ohm.

Power Consumption: 9VDC / 4mA.

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

True Bypass Hardwire.

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

Weight: 250 grs / 8.8 oz.

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



- Luis -

*PedalPalFx Director & Designer.*

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