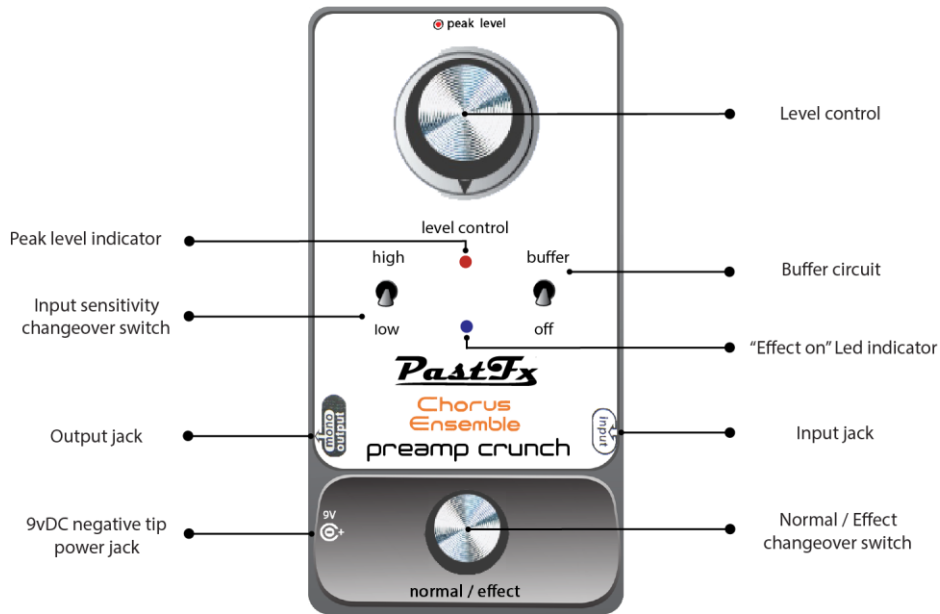


PastFx Chorus Ensemble Preamp Crunch



What is it?

The *PastFx Chorus Ensemble Preamp Crunch* is the most faithful recreation of the *The BOSS® CE-1's preamp*.

The *Preamp Crunch* came about after many requests to have the bypass channel of *The BOSS® CE-1* in a stand-alone unit.

The *Preamp Crunch* cuts no corners in its design. It is the only recreation of *The BOSS® CE-1's preamp* which has the correct internal voltages, exact peak level LED indicator circuit, and as a bonus a buffer circuit which can be added or removed as desired.

The *Preamp Crunch* requires no fuses and is not powered by mains voltage. With today's advancements in technology, the *Preamp Crunch* operates off the same bipolar voltages as *The BOSS® CE-1*, however it only requires standard 9vdc pedal power supply or 9v Battery.

Features

- Level Control
- Correct bipolar voltages +/- 14v & 13v
- Same unique Preamp stage
- Normal / effect footswitch
- True Bypass
- Red LED Peak Level Indicator visual feedback of input sensitivity
- Blue effect on LED indicator
- High / Low Input sensitivity changeover switch
- operates off industry standard (9VDC negative tip 2.1mm)

Built in Buffer switch is only available when effect is activated.



Buffer Circuit

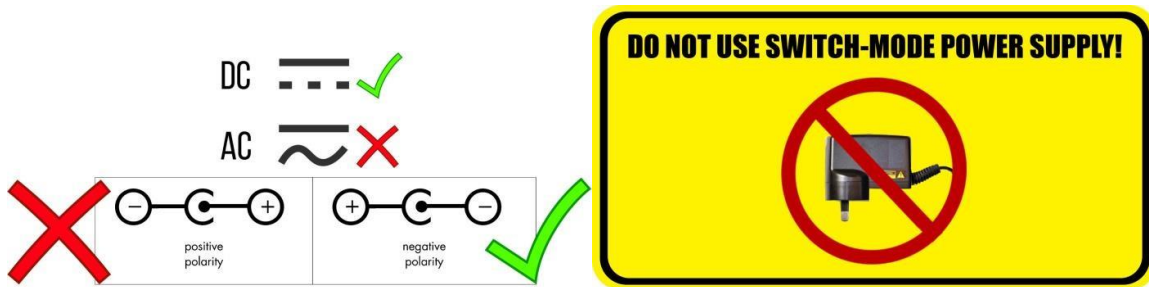
Many owners of the *BOSS® CE-1* noticed that when selecting the high on the input sensitivity switch that some of the high frequencies of their signal was lost. This was a desirable outcome for some. To remedy this, some users would place a buffer before the *BOSS® CE-1* to restore the high frequencies. The *Preamp Crunch* comes with an inbuilt buffer circuit which can be added or removed as desired.

Note: When clipping the signal heavily by having the Level control on high, it can give various responses based on what type of amplifier is used. On some amps it can almost sound like a fuzz, and on others a more traditional crunch sound! This is the same experience with the original.

When the level control and Input sensitivity switch are on high settings, having the buffer activated may increase unwanted noise. Adjust to taste.

Powering the unit

- This pedal can draw up to approximately 55ma, so 100ma minimum PSU should be more than adequate
- It requires 9vDC 2.1mm jack negative tip supply. Regulated, Isolated Linear / Transformer based supply



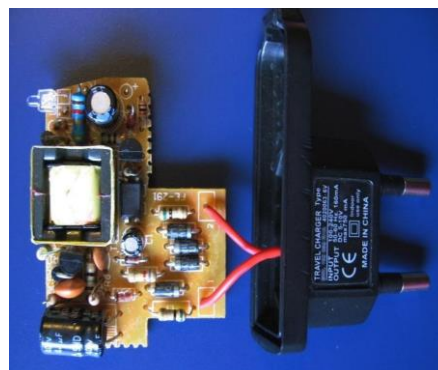
Up until the mid-2000's most 9vdc pedal power supplies available were Linear / Transformer based. However most manufacturers have taken the lower cost path in manufacturing switchmode supplies. These are generally lighter in weight, and more economically appealing. An Apple/Samsung wall charger for example uses switchmode technology. Unfortunately from the frequent switching from fully on to fully off the repeated switching can introduce noise into effect pedal. Modulation and high gain effects can be more noticeable. A budget switchmode supply may work fine on a simple overdrive pedal, but this does not transfer to the *Preamp Crunch*. It is acknowledged that many newer high end switchmode based power supplies have improved immensely over the last few years, and may work fine in your pedal. However Pastfx still only recommends Linear power supplies like, but not limited to:

- Voodoo Lab Pedal Power ® 2 Plus etc. • Joyo® JP-04 Isolated Power Supply • T-Rex® Junior/Classic/Chameleon Fuel Tanks
- Donner® DP-4 ISO 8 PLUS • Mosky®C8 Power Station

Linear Transformer Power Supply



Switch mode power supply



Both PSU's convert Mains AC to DC. The switchmode is cheaper to manufacturer, produces less heat, but can introduce more noise than the Linear Supply. For Best Performance only use a quality Regulated, Isolated Linear power supply.

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