



# OBSIDIANA

octave layering engine

PRDX09OBS-1

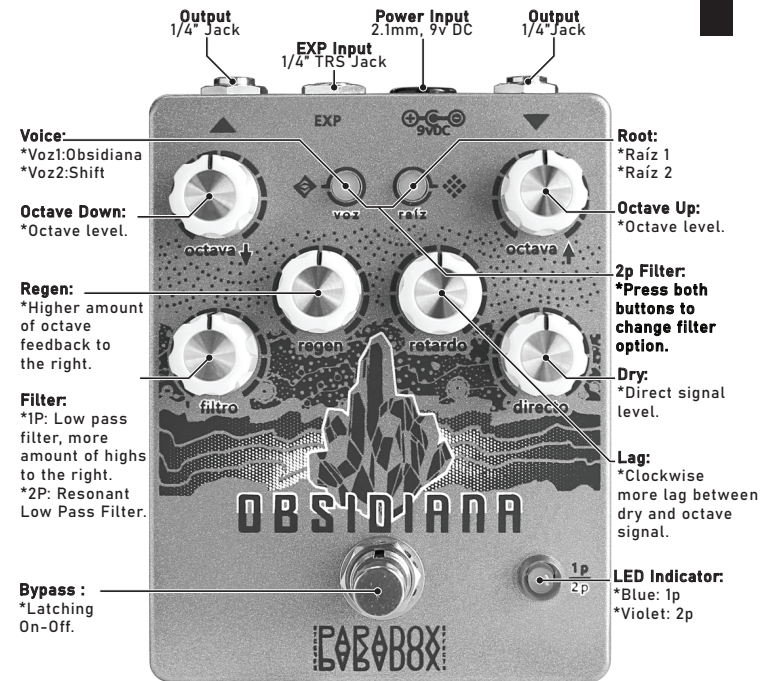
## THE SOUND OF FORMING CRYSTALS

Obsidiana is an octave layering system in a polyphonic fashion, that sets itself apart from other octaves out there, multi-voice, two type filter options: 1 pole low pass, 2 pole resonant low pass filter, and a unique feature with branching octave trails, that can create syncopated rhythms or layers of reflective evolving pitches.

It responds well with both chords or single notes, able to process broad signal spectrums; seamlessly combining the power of a DSP, whilst maintaining a completely analog direct signal to maintain an overall warm and balanced voice.

As an integral effort here at Paradox Effects, we endeavored into a differentiator that could bring you a new spectrum of possibilities for a pedal of this kind, always fulfilling musical and functional needs.

**Raiz** mode consists in the decomposition of the sample signal, to create routes with nested delays that form soundscapes of octave particles, generating a syncopated sensation with each iteration.



## CONTROLS

**OCTAVA ↓** : Controls the level of octave down.

**DIRECTO**: Controls the Dry signal output.

**REGEN**: Feedback of the octaved signals to provide more upper and lower octaves to the overall wet signal, creating a similar sensation to a sustained organ note.

**FILTRO**: [Press once **Voz** and **Raiz** buttons simultaneously to access 1p or 2p Filter].

**1p (Blue LED)**: A low-pass filter, brighter when turned to the right, darker to the left.

**2p (Violet LED)**: Second order low-pass resonant filter, sounds more of a synthesizer; moving the "Filtro" knob or expression pedal you'll have more drastic and spatial changes.

**EXP**: Expression pedal TRS input, it controls the "Filtro" parameter, the knob still determines the MAX/MIN sweep of the filter.

**OCTAVA ↑** : Controls the level of octave up.

**RETARDO**: In Raiz 1 (OFF) mode, it controls the space between the attack and the voice of the note, similar to a Lag control. In Raiz 2 (ON) mode, it controls the space between the octave ramifications.

### RAÍZ:

**Raiz 1 (OFF)**: Conventional octaver tracking the input signal in function with the "Retardo"(Lag) knob.

**Raiz 2 (ON)**: "Crystalized" octaver with syncopated ramifications, generating granulated maps of octaves that evolve in time, depending on the position of the "Regen" knob.

### VOZ:

**Voz 1 (OFF)** - Obsidiana voice: Clear and crystalline octaves, with a touch of warmth and presence.

**Voz 2 (ON)** - Ancient voice: Voice with frequency modulations, sounds similar to a Leslie organ.



## SPECIFICATIONS

**Power Supply**.....9v Dc (No battery option)

**Min. Current Draw**.....100mA

**Dimensions**.....95(W) x 125(D) x 55(H)mm (with jacks and knobs)

**Weight**.....350g

We recommend using a regulated de 9 volt Dc power supply with our pedals, 2.1mm diameter positive barrel and negative center. Using one with poor regulation, not isolated and poor filtering can result in unexpected noise or unwanted higher voltages that can take the pedal out of operation and even cause damage.

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