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VSN 3806

VSN Octave Guitar Pedal Model 3806 Instruction Manual

Digital Mini Pedal for Electric Guitar

Introduction

The VSN Octave Guitar Pedal (Model 3806) is a digital mini pedal designed for electric guitars, offering precise polyphonic octave effects. Featuring true bypass and a compact size, this pedal provides a versatile range of octave sounds for various musical applications, enhancing your guitar's sonic capabilities.

Product Overview

The VSN Octave Pedal is engineered for high performance and durability. Key features include:

- **Digital Processing:** Equipped with 44.1K 24bit sampling and 32-bit true floating point DSP for accurate and high-quality octave effects.
- **True Bypass:** Ensures your guitar's original tone remains unaffected when the pedal is disengaged.
- **Durable Construction:** Housed in a solid aluminum-alloy casing, providing stability and strength in a mini size.
- **Versatile Controls:** Features three control knobs and a 3-way toggle switch for comprehensive sound shaping.
- **Polyphonic Effects:** Capable of generating precise polyphonic octave effects without distorted sound, offering 11 different octave modes.



Figure 1: Front view of the VSN Octave Guitar Pedal.



Figure 2: Detailed view of the pedal's durable full metal casing and control knobs.



Figure 3: Illustration of the high-quality chip inside the VSN Octave Pedal, responsible for its digital sound processing.





Figure 4: The True Bypass footswitch ensures signal integrity when the effect is off.

Setup

Follow these steps to connect your VSN Octave Guitar Pedal:

1. **Power Connection:** Connect a 9V DC center-negative power adapter (not included) to the DC 9V jack on the top

of the pedal. Ensure the adapter provides a minimum of 500mA current.

2. **Input Connection:** Connect your electric guitar to the 1/4" mono audio input jack located on the right side of the pedal.
3. **Output Connection:** Connect the 1/4" mono audio output jack, located on the left side of the pedal, to your amplifier or other effects pedals.
4. **Activation:** Press the footswitch to engage or disengage the effect. The LED indicator will illuminate when the effect is active.



Figure 5: Connection diagram for the VSN Octave Guitar Pedal.



Figure 6: Detail of the 9V DC power adapter jack. Note that the power adapter is not included.

Operating Instructions

The VSN Octave Pedal features three control knobs and a 3-way toggle switch for precise sound shaping. Refer to the diagram below for control identification.





Figure 7: Detailed diagram of the VSN Octave Pedal controls.

1. **True Bypass Footswitch (1):**
    - Press once: Toggles between the original (bypass) signal and the effected sound.
    - Press twice: Switches between fixed mode (red LED) and normal mode (green LED).
    - Long press: Stores the current parameter settings.
2. **LED Indicator Light (2):**
    - Green light: Indicates normal mode, where knobs adjust parameters.
    - Red light: Indicates fixed mode, where the pedal uses pre-set fixed parameters.
3. **DRY Knob (3):** Controls the volume level of your original, uneffected guitar signal.
4. **OCT 2 Knob (4):** Adjusts the volume level of the second octave voice.
5. **Mode Switch (5):** A 3-way toggle switch to select between TOP, BOTH, and BOTTOM octave modes.
6. **OCT 1 Knob (6):** Adjusts the volume level of the first octave voice.
7. **Input Jack (7):** 1/4" mono audio input for connecting your electric guitar.
8. **Output Jack (8):** 1/4" mono audio output for connecting to an amplifier or other pedals.
9. **DC 9V Power Jack (9):** For connecting a 9V DC regulated AC adapter (not included). Plug polarity is positive on the barrel and negative in the center.

Modes

The VSN Octave Pedal offers three distinct octave modes, selectable via the 3-way toggle switch:



Figure 8: Explanation of the three octave modes and their knob assignments.

- **TOP Mode:** This mode provides a high-end octave effect. The **OCT 1** knob controls the volume of the +12 semitone octave (one octave up), and the **OCT 2** knob controls the volume of the +24 semitone octave (two octaves up).

- **BOTTOM Mode:** This mode generates a very low octave sound. The**OCT 1** knob controls the volume of the -24 semitone octave (two octaves down), and the **OCT 2** knob controls the volume of the -12 semitone octave (one octave down).
- **BOTH Mode:** This option combines both high and low octave effects. The**OCT 1** knob controls the volume of the -12 semitone octave (one octave down), and the **OCT 2** knob controls the volume of the +12 semitone octave (one octave up). When both OCT 1 and OCT 2 knobs are turned up in this mode, you can achieve four distinct octave voices simultaneously (original, -12, +12, and the combined effect).

Maintenance

Proper care will ensure the longevity and optimal performance of your VSN Octave Guitar Pedal:

- **Cleaning:** Use a soft, dry cloth to clean the pedal's exterior. Avoid using abrasive cleaners, solvents, or excessive moisture, which can damage the finish or internal components.
- **Storage:** When not in use, store the pedal in a dry environment, away from extreme temperatures, humidity, and direct sunlight.
- **Power Disconnection:** Always disconnect the power adapter when the pedal is not in use for extended periods to prevent potential damage or unnecessary power consumption.

Troubleshooting

If you encounter any issues with your VSN Octave Guitar Pedal, refer to the following common troubleshooting steps:

- **No Sound or Weak Signal:**
  - Verify all cable connections (guitar to input, output to amplifier, power adapter) are secure.
  - Ensure the power adapter meets the specified 9V DC, center-negative, and minimum 500mA requirements.
  - Confirm the pedal is engaged (LED illuminated). If the LED is off, press the footswitch.
  - Check the DRY knob setting; if it is too low, the original signal might be inaudible.
- **Distorted or Unwanted Sounds:**
  - Ensure the power supply is stable and meets the correct specifications. An improper power supply can introduce noise.
  - Adjust the OCT 1, OCT 2, and DRY knobs to find a balanced sound. Excessive levels can lead to distortion.
  - Note that some octave effects, particularly on very low notes or when playing complex chords, may exhibit slight tracking variations. This behavior is common with many octave pedals.
- **Pedal Not Responding to Knob Adjustments:**
  - If the LED is red, the pedal is in "fixed mode," and the knobs will not adjust parameters. Press the footswitch twice to switch to "normal mode" (green LED) to enable knob control.
  - Try a long press on the footswitch to reset or store parameters, which may resolve unresponsive controls.

Specifications

Brand	VSN
Model Name	LEF-3806

Model Number	3806
Color	Red Octave
Product Dimensions (L x W x H)	3.7" x 1.5" x 2" (9.4 cm x 3.8 cm x 5.1 cm)
Item Weight	408 g (0.9 lbs)
Voltage	9V DC
Amperage	50 mA (minimum 500mA power supply recommended)
Audio Output Effects	Octave
Controls Type	Knob, Toggle Switch, Footswitch
Power Source	External DC 9V Adapter (not included)
Hardware Interface	1/4" Mono Audio Jack
Signal Format	Digital
True Bypass	Yes

Important Notices



Figure 9: Important information regarding the pedal's power requirements.

- The power supply is **NOT** included with this product.
- Please power your pedal with a power adapter providing**9V DC center-negative** polarity and a minimum of **500mA** current.
- Using an improper power supply may cause the pedal to malfunction or result in permanent damage, which may

void your warranty.

- This product does not come with a battery compartment and requires an external power adapter for operation.

Product Video

Your browser does not support the video tag.

Video 1: An official product video demonstrating the VSN Guitar Octave Effect Pedal for Electric Guitar. This video provides a comprehensive overview of the pedal's features and sound capabilities.

Warranty and Support

The VSN Octave Guitar Pedal comes with a **90-day refund warranty** from the date of purchase. This warranty covers manufacturing defects and ensures product quality.

For any questions, technical assistance, troubleshooting beyond this manual, or to initiate a warranty claim, please contact VSN Music customer support. You can typically find contact information on the product packaging or through the official VSN Music Store website. Please have your purchase details and product model number (3806) ready when contacting support.

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