Seymour Duncan®

For Tone That Sets You Apart™

Lava Box™

Congratulations on your purchase of the ***Seymour Duncan SFX-05 Lava Box™*** distortion. You can start using your ***Lava Box*** right away and you'll be able to immediately crank out the dynamic, throaty, singing tones that this pedal is capable of. You might want to first read through these instructions in their entirety to gain valuable information that will enhance your enjoyment of your Lava Box.

General Information

The Lava Box is not your ordinary distortion/overdrive pedal. It actually reacts more like a great amp than a stompbox, with the depth and dynamics that give well-made amps so much character.

When you think about the tones that defined so many of the true guitar heroes throughout history, they all really *speak*. They cut through. They say something. A huge part of that is in the rich midrange frequencies that the amplifiers of the day naturally produced. And, because those amps were typically cranked up to full volume, they were also incredibly dynamic, responding to different picking attacks and even subtle changes to the guitar's volume control. The Lava Box brings that magic back with its broad array of midrange timbres and its amazing sensitivity to picking intensity and volume changes. Even at the highest gain settings, turn down your guitar's volume control and the Lava Box will clean up beautifully. Onstage, set the Lava Box for a loud lead tone and simply use your guitar's volume control to get your clean and crunch tones—all without switching channels or kicking in other effects. In the studio, you can explore the huge array of tones that are available with the intuitive controls, creating special-effect thin tones or spooky dark sounds that are perfect for layering and overdubs.

Any distortion box can give you a sound. The SFX-05 Lava Box will give you a voice.

Explanation of Controls

Front Panel

1. Volume – This control regulates the overall level of your signal when the effect is engaged. CAUTION: The Lava Box is capable of serious output so go easy with this control at first, starting at the fully counterclockwise position. Once you get the Volume knob past 10:00 or so, you'll see what we mean.

2. Rumble – This 6-position rotary knob changes the sonic character of the Lava Box's distortion for a huge range of tones, from bright and spanky to deep and warm. Whether you have the thinnest single-coil in the bridge of your guitar or the woolliest humbucker in the neck, there is a Rumble setting that's perfect for it.

3. Gain – This knob adjusts the amount of distortion when the effect is engaged, from a punchy clean boost to a full-on roar.

4. True-Bypass Footswitch – This removes the circuit from your guitar's signal chain, allowing your guitar's signal to pass through the Lava Box without affecting your tone or gain.

FRONT PANEL

Explanation of Controls

Back Panel

1. Input Jack – Plug in your guitar here.

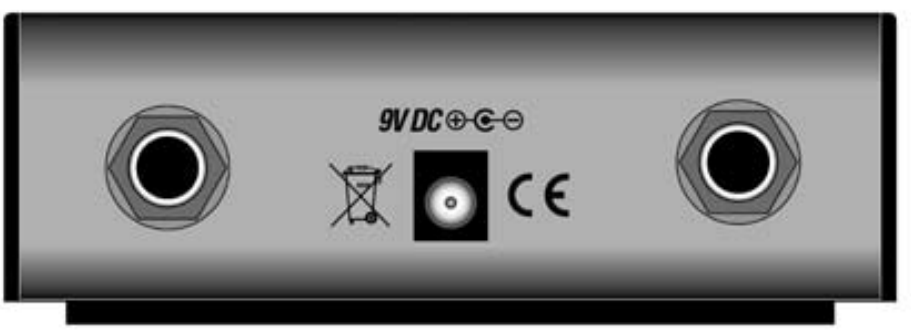
2. Output Jack – Provides the output signal. Run a cable from this jack to the input of a guitar amp or to the input of the next effect in your chain.

3. Power Jack – This is where you can connect a Seymour Duncan regulated 9-volt DC adapter if you opt not to run the Lava Box on a 9-volt battery.

The Lava Box is an incredibly flexible effect and, as a result, it can be worked into your setup in a variety of ways. Let's examine a couple of possibilities.

Take the ¼" mono instrument cable from your guitar and plug it into the Lava Box's Input jack. Run another cable from the Lava Box's Output jack to the input of your amplifier. Set the Volume and Rumble knobs fully counterclockwise, turn the Gain to 12:00 for starters, hit the On/Bypass footswitch, and gradually bring the Volume control up. You should be greeted with a bright, punchy tone with a great squawk. Go through the other Rumble settings and hear how more low end kicks in with each subsequent click. Rotating the Gain control will give you cleaner or dirtier versions of these tones.

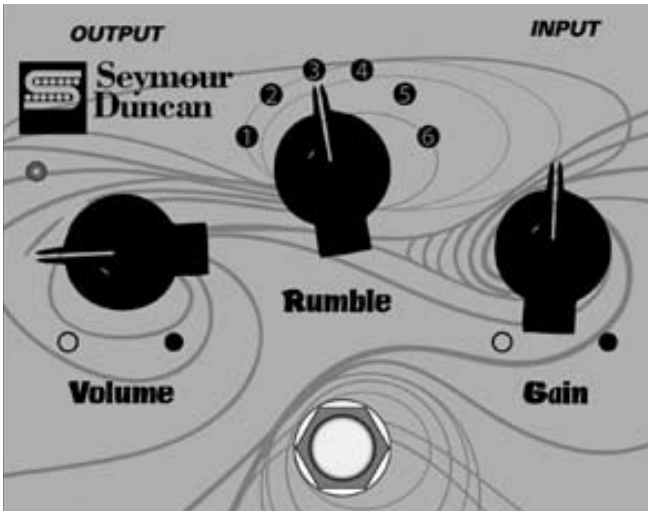
If you have other stompboxes in your chain, such as wah-wah or chorus pedals, experiment with placing the Lava Box before or after them. You can't really go wrong, but the character of the Lava Box effect will change depending on where you put it in your signal chain, so see what sounds best to you.



BACK PANEL

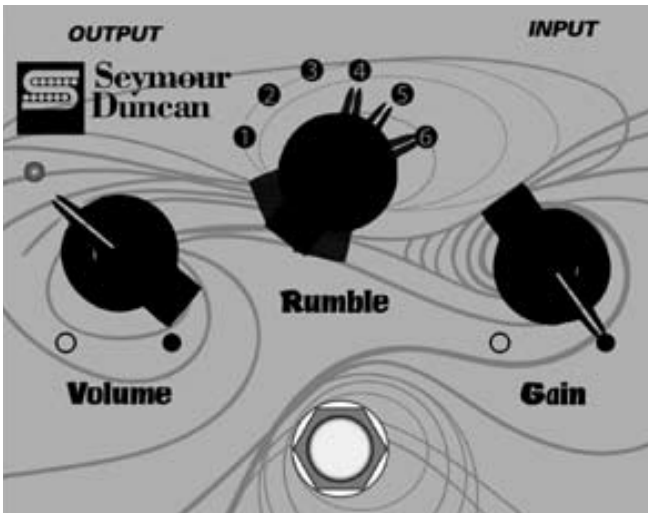
Sample Settings

The SFX-05 Lava Box is capable of a huge range of sounds, from subtle overdrive textures to skinny special-effect tones to humongous, singing lead sounds. The settings below are great starting points.



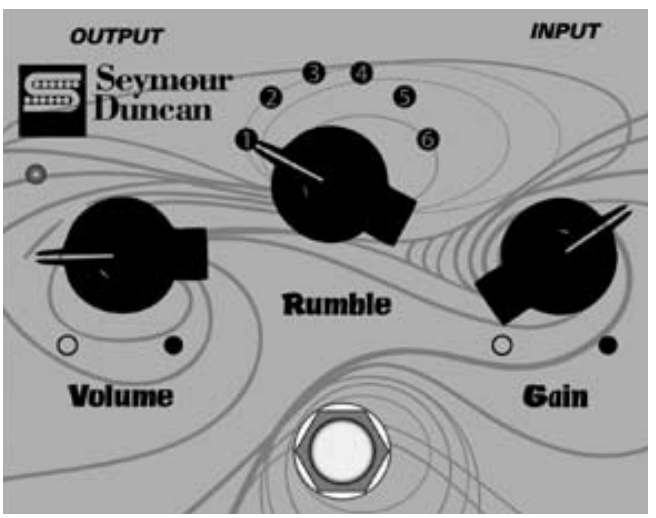
Tight Rhythm Tone

This is a great sound for power chords and arpeggiated rhythm lines alike. Hit it hard and it's dirty, pick soft (or roll your guitar's volume control back) and it cleans up. Works equally well with single-coils or humbuckers.



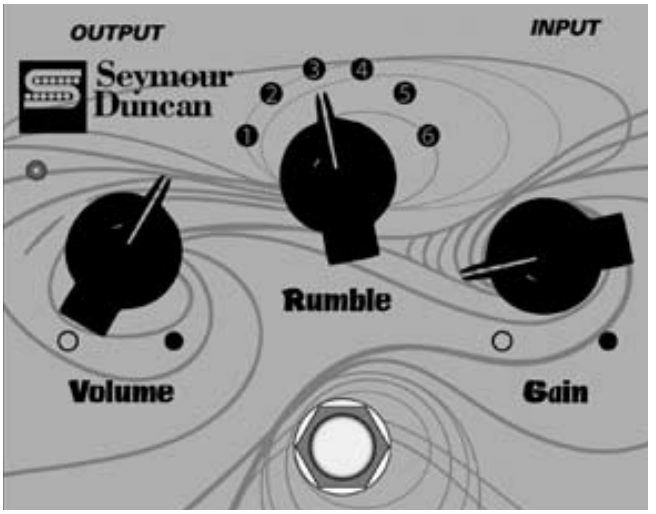
Screaming Lead Tone

This is a tone that will cut through any mix with glorious midrange, incredible detail, and endless sustain. Roll your volume back and it still cleans up like nobody's business. Use Rumble Setting #4 for humbucker, Setting #5 or #6 for single coil.



Skinny Intro Tone

A great studio trick: Record the intro to a song with this tone. When the main riff hits, kick the Rumble control up a few notches. Try it—it works!



(Not So) Clean Boost
Want to clobber the input of your cool old tube amp? Play this sound through it and hear how raunchy that amp can really get. Use the Rumble control to dial in just the right amount of low end. Yeah!

Battery

To make your Lava Box work, you'll either need to insure that a fresh 9-volt battery is installed or connect a regulated 9-volt DC power supply—such as a Seymour Duncan 9-volt power adapter.

To install or replace the battery:

a. Remove the four screws on the underside of the box and disassemble the chassis.

b. Remove the old battery from the clip, if applicable.

c. Install a fresh 9-volt alkaline battery, taking care to properly orient the "+" and "-" terminals.

d. Reassemble the chassis and replace the screws.

When storing the Lava Box, or when it is not in use, make sure no cable is plugged into the Input jack, as this will shorten battery life.

Specifications

Gain Range: 33dB-57dB

Input Impedance: 12KΩ

Output Impedance: 2.5KΩ

Max Output before Saturation: 2.9Vrms

S/N Ratio: 113dB referred to the input with 20KΩ source impedance

THD @ 1Vrms out @ 1 KHz with maximum gain: 0.38%

THD @ 1Vrms out @ 1 KHz with minimum gain: 0.065%

Type of Circuitry: 2 Stage Mosfet Input with CMOS Class A Output

Power: DC 9-12v; Battery or Regulated DC Adapter

Current Consumption: 4.0 mA Max

Dimensions: 4.62" Wide x 5.10" Deep x 2.20" Tall

Weight: 1.6 LBs

Chassis Material: 16-Gauge Steel

Rumble Control Low Frequency Roll Offs: 620Hz; 530Hz; 330Hz; 300Hz; 210Hz; 160Hz.

Limited Warranty / Disposal Guidelines

Seymour Duncan offers the original purchaser a one-year limited warranty on both labor and materials starting from the day this product is purchased from an Authorized Seymour Duncan Dealer. We will repair or replace this product, at our option, if it fails due to faulty workmanship or materials during this period. Defective products should be returned to your USA dealer, international distributor, or sent direct to our factory postage prepaid along with dated proof of purchase (e.g., original store receipt) and a RMA number clearly written on the outside of the box. Please call our factory for issuance of an RMA number.

This warranty does not apply to damage to this product or an instrument caused by misuse, mishandling, accident, abuse, alteration, modification, or unauthorized repairs. Product appearance and normal wear and tear (worn paint, scratches, etc.) are not covered by this warranty. Seymour Duncan reserves the right to be the sole arbiter as to the misuse or abuse of this product. Seymour Duncan assumes no liability for any incidental or consequential damages, which may result from the failure of this product. Any warranties implied in fact or by law are limited to the duration of this express limited warranty.

Seymour Duncan is actively involved in global environmental protection programs. If you ever need to dispose of this product, please ensure that it is disposed of in a manner consistent with the regulations in your country. Please see our website for more details.

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