

## QUICK START

### 1. POWER

To power the unit, insert 4 AA batteries (included) or connect a Source Audio 9V power supply to the 9V DC jack **(A)**.

### 2. GUITAR/AUDIO CONNECTIONS

Next, plug your guitar (or other instrument) into the jack labeled GUITAR IN **(B)** via a standard ¼-inch cable. Connect your amp (or other audio device) to the GUITAR OUT **(C)** jack, again with a standard ¼-inch cable. Both input and output are mono signals.

**Note:** The unit will not power up until a ¼-inch plug is inserted into the guitar input. This is to conserve power when the unit is running on batteries. Don't forget to unplug the cable from the input when the unit is not in use—otherwise the batteries will continue to drain.

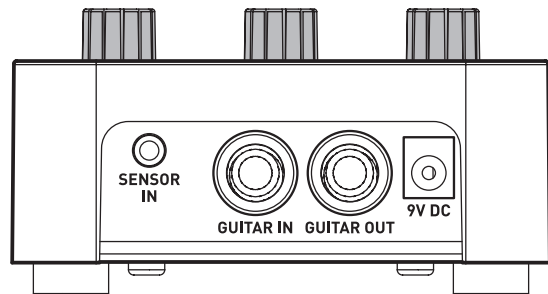
### 3. SENSOR IN (optional)

To use your Classic Distortion with a Hot Hand sensor: Connect the sensor to the SENSOR IN **(D)** jack and follow any instructions supplied with the sensor.

### 4. BRIEF KNOB AND PEDAL DESCRIPTIONS

(see *Controls* section for more details)

- **TONE** adjusts the high frequency content of the distortion.
- **DRIVE** the amount of distortion gain applied to the signal.
- **OUTPUT** adjusts the output level of the distortion.
- **ON/OFF** engages and disengages the effect.



## CONTROLS

### EFFECT (A)

The effect knob selects which distortion type will be used. There are 11 effect positions around the knob as well as a setting for CLEAN BOOST/TONE. In the CLEAN BOOST/TONE mode, the distortion effect is bypassed but the OUTPUT and TONE controls still apply. For information on the individual settings see the *Effects* section.

### TONE (B)

This knob controls the amount of high frequency boost applied to the distorted signal. The center frequency of the control changes between effect settings because each of the distortion types produces different amounts of high frequency harmonics.

### DRIVE (C)

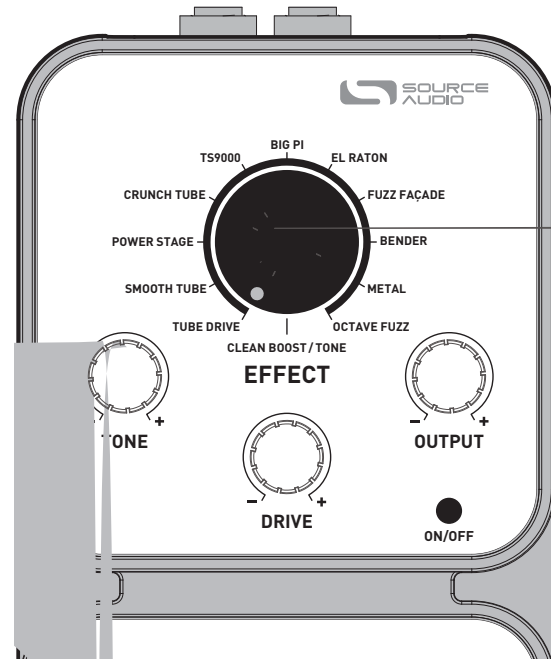
The drive control adjusts the amount of distortion.

### OUTPUT (D)

Adjusts the output level of the effect. Use this to set the level of the effect compared to the bypass signal. Note that because the effect compresses the signal, the dynamic range of the distorted signal will be less compared to the dry signal. This should be accounted for when setting levels.

### ON/OFF

The ON/OFF switch engages or disengages the effect. When the effect is engaged, the ON/OFF LED **(E)** will be lit. The LED will be off in bypass mode.



## EFFECTS

Here are some brief descriptions of the effects included in the Classic Distortion. Most of the effects are based on, but not exact copies of, a variety of popular analog distortion pedals. Don't expect the sounds to be exactly like the corresponding analog effects. We tried to capture the spirit of each sound rather than trying to copy the exact nuts and bolts.

### TUBE DRIVE

An overdriven tube amp effect similar to a Marshall® sound. Try scaling back the drive knob for a nice mild overdrive.

### SMOOTH TUBE

Based on Mesa-Boogie® pre-amp distortion.

### POWER STAGE

Inspired by the Fulltone Distortion Pro®.

### CRUNCH TUBE

Our own distortion, not based on any particular sound. It's a more aggressive tube distortion.

### TS9000

Based the Ibanez Tube Screamer® with a lot of mid boost.

### BIG PI

Based on an Electro Harmonix Big Muff Pi®. Don't ask which exact model. That's not the point.

### EL RATON

Based on the ProCo Rat®.

### FUZZ FAÇADE

Our version of the classic Dallas Arbiter Fuzz Face® sound.

### BENDER

The Tone Bender®. We specifically used an MK II, but don't obsess over the exact model number.

### METAL

Our own metal distortion with plenty of highs and lows.

### OCTAVE FUZZ

A full wave rectifier, as everyone does, to mimic the classic Octavia®. This tends to sound better with DRIVE 2 turned up much higher than DRIVE 1.

### CLEAN BOOST / TONE

A distortion effect bypass that still allows the gain and the TONE control to be used. Great for doing clean lead boosts or use strictly as a tone control. Clipping the output is possible with this setting. If the levels are boosted high enough, the hard clipping can actually sound pretty good.

## SPECIFICATIONS

### Dimensions

- L: 7 inches
- W: 4 inches
- H: 2 inches (including knobs)

### Weight

- 1.25lbs

### Power

- 110mA @ 9V DC (max 145mA with Hot Hand Wireless Adapter)
- 15-20 hours battery life
- NEGATIVE tip power jack

### Audio Performance

- 115dB DNR audio ADC
- 24-bit audio conversion
- 56-bit digital data path
- Analog bypass

## TROUBLESHOOTING

### Noise:

Low Power	Change batteries or plug in a DC power supply.
Near noise source	Move pedal away from power supplies and other equipment.
Other equipment	Remove other effects from signal chain, see if noise persists.
Bad cables	Swap out audio cables.

### Low volume:

Low power	Change batteries or plug in a DC power supply.
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### Hot Hand doesn't work:

Low power	Change batteries or plug in a DC power supply.
Not calibrated properly	Calibrate the Hot Hand (see <i>Use with Hot Hand</i> ).
Not connected	Check Hot Hand connections.

### Knobs don't work /light up:

Low power	Change batteries or plug in a DC power supply.
Wrong power supply	Use correct power supply (see <i>Quick Start</i> ).
Corroded input cable plug	Check input cable plug for corrosion on sleeve, swap out cable if necessary.
TRS (stereo) cable used	Only use mono cable for input cable.

For additional assistance, please visit [www.sourceaudio.net](http://www.sourceaudio.net)



If possible, dispose of the device at a recycling centre. Do not dispose of the device with the household waste.

## LIMITED WARRANTY

Source Audio, LLC (hereinafter “Source Audio”) warrants that your new Source Audio Soundblox Effects Pedal, when purchased at an authorized Source Audio dealer in the United States of America (“USA”), shall be free from defects in materials and workmanship under normal use for a period of one (1) year from the date of purchase by the original purchaser. This Limited Warranty does not extend to the batteries which are purchased as is. Please contact your dealer for information on warranty and service outside of the USA.

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(781) 932-8080 or at [www.sourceaudio.net](http://www.sourceaudio.net).

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## FEATURES

The Classic Distortion features distortion effects that are re-creations of popular pedal and amplifier based distortions. We have chosen names for the distortions that will be suggestive of the sounds you will get with all the controls in the central part of their range. We are not trying to imply exact simulations of the various analog effects. Rather than attempt a mathematical modeling or emulation of classic sounds (which, incidentally, we think is really not possible with distortion), we offer a different take based upon ear and overall circuit function evaluations.

There are 11 distortion algorithms and one CLEAN BOOST / TONE mode that are selectable with the main effect knob. The TONE control is specially tuned for each setting to give a preferred response. The frequency range used for the TONE control varies between settings. The CLEAN BOOST / TONE mode allows you to use the Classic Distortion to provide a volume boost to the signal with out distortion. However, if the signal is boosted too much it will begin to clip. If the DRIVE knob is turned up there will be a raspy sound as the signal peaks are hard clipped. In general, this doesn’t sound very good. However, if the DRIVE is cranked, the resultant distortion is not bad at all, despite consisting only of digital hard clipping. Don’t believe us? Give it a try. This distortion can be improved by rolling off the TONE control to reduce the high frequencies.

## USE WITH HOT HAND

While the primary function of the Classic Distortion is as a standalone effects pedal you also have the option of exploring some additional functions by plugging in a Hot Hand sensor. When connected, the Hot Hand sensor will control the amount of DRIVE. The maximum amount of drive you can get by moving the sensor is determined by the position of the DRIVE knob.

### Hot Hand Basics

The Hot Hand motion sensors are sold separately and come in either wired or wireless versions. Both will work with the Classic Distortion. Additionally, the SENSOR IN jack will be compatible with any future Source Audio sensors.

The Hot Hand ring contains an accelerometer that responds to acceleration and is not based on any type of proximity to the guitar. By moving your hand or by changing the position of your hand you can modulate the effect. For a good description of Hot Hand Theory, download the Hot Hand Motion Controlled Wah Filters manual. It is available at [www.sourceaudio.net](http://www.sourceaudio.net). Keep in mind that the Classic Distortion can only use the x-axis of the ring sensor.

## CLASSIC DISTORTION

### USERS GUIDE

Thank you for purchasing the Soundblox Classic Distortion. The Classic Distortion features a collection of classic distortion, fuzz, and over-drive tones in a flexible, easy to use format. It offers a wide variety of boutique quality sounds normally available only in expensive single effect analog pedals. Like the other Soundblox effects pedals, the Classic Distortion is HOT HAND® READY.

Enjoy!  
The Source Audio team

### • DIVERSE SOUND PALETTE

Featuring 11 varieties of classic distortion sounds with an added CLEAN BOOST/TONE mode.

### • MODERN DESIGN

A thoughtfully designed box which features rugged construction and sleek looks.

### • STATE-OF-THE-ART DSP

Our proprietary 56-bit Digital Signal Processor, the SA601, and crystal clear 24-bit converters.

### • HOT HAND READY

All Soundblox pedals are “Hot Hand Ready” and can be used with any Hot Hand motion sensor to extend the capabilities of the unit.

### • ACTIVE ANALOG BYPASS

Bypass is fully routed around the DSP and active input ensures zero signal degradation.

SA124



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