

# **SONIC STOMP**

*Users Manual*

**BBE<sup>®</sup>  
Sound Inc.**

---

# IMPORTANT SAFEGUARDS

For your protection, please read these safety instructions completely before operating the appliance, and keep this manual for future reference.

Carefully observe all warnings, precautions and instructions on the appliance and described in the operating instructions supplied with the appliance.

## INSTALLATION

**Water and Moisture** - Do not install the appliance near water: for example, near a bathtub, wash-bowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.

**Heat** - Do not install the appliance near sources of heat such as radiators, heat registers, stoves, or other appliances that produce heat.

**Ventilation** - Situate the product so its location or position does not interfere with its proper ventilation. For example, you should not place the product on a bed, sofa, rug, or similar surface that might block the vent openings, or placed in a built-in installation, such as a bookcase or cabinet that might impede the flow of air through the ventilation openings.

**Wall or Ceiling Mounting** - If your appliance can be mounted to a wall or ceiling, mount it only as recommended.

**Accessories** - Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should



## WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

ATTENTION: RISQUE DE CHOC ÉLECTRIQUE NE PAS OUVRIR.

The lightning flash with arrowhead symbol, within a triangle, is intended to alert the user to the presence of ungrounded "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

## USE

**Power Source** - Connect the appliance to a power supply only of the type described in the operating instructions or as marked on the appliance.

**Power-Cord Protection** - Route the power cord so that it is not likely to be walked on or pinched by having objects placed on it, paying particular attention to the plugs, receptacles, and the point where the cord exits from the appliance.

**Grounding or Polarization** - Do not defeat the grounding or polarization feature of the AC power cord. If your AC receptacle will not accept the power cord plug, contact your electrician to install a proper AC receptacle.

**When not in use** - Unplug the power cord of the appliance from the outlet when left unused for a long period of time. To disconnect the cord, pull it out by grasping the plug. Never pull the plug out by the cord.

**AC Receptacle** - Check to make sure that the AC receptacle holds the power cord plug firmly and securely. If the power cord plug is loose, contact

your electrician to replace the defective and unsafe AC

**Foreign Objects** - Be careful that foreign objects and liquids do not enter the enclosure through openings.

**Cleaning** - unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

## SERVICE

Unplug the appliance from the wall outlet and consult qualified service personnel when:

- the power cord or the plug has been damaged.
- a solid object or liquid has fallen into the cabinet.
- the appliance has been exposed to rain or moisture.
- the appliance does not appear to operate normally or exhibits a marked change in performance.
- the appliance has been dropped, or the enclosure damaged.

Do not attempt to service the appliance beyond that described in the operating instructions. For all other servicing, refer to qualified service personnel only.

Before you begin, please check the contents of this box to insure that the following items are included:

1. The BBE Sonic Stomp Guitar Pedal with built-in Sonic Maximizer™.
2. The BBE Sonic Stomp Guitar Pedal User's Manual.
3. 9VDC External Power Supply. (North America only)
4. 9V Battery.

If any of these items are found to be damaged or missing, immediately contact the BBE dealer from whom the unit was purchased.

This manual will help you to effectively utilize the BBE Sonic Stomp Guitar Pedal. Reviewing the information contained in this manual will answer most of the common questions that our service department receives. If you still have questions, please feel free to call 800-233-8346.

---

*Thank you and congratulations on your purchase of the BBE Sonic Stomp Guitar Pedal featuring the renowned Sonic Maximizer Processor!*

*With the introduction of the Sonic Stomp, we are now able to offer our latest generation of the renowned Sonic Maximizer technology in an extremely high quality and ruggedly built guitar pedal.*

Features:

- Fourth Generation BBE Sonic Maximizer™
- Hardwire bypass
- Extremely low noise
- Extremely flat frequency response
- Powered by 9 Volt Battery/AC Adaptor  
(AC Adaptor included in North America only)

|                                |     |
|--------------------------------|-----|
| Important Safeguards .....     | i   |
| Important .....                | ii  |
| Product Features .....         | iii |
| Contents .....                 | 1   |
| BBE Process .....              | 2-3 |
| Controls and Connections ..... | 4   |
| Battery Replacement .....      | 5   |
| Applications .....             | 6-7 |
| Service .....                  | 8   |
| Maintenance.....               | 8   |
| Warranty .....                 | 9   |
| Specifications.....            | 10  |

## ***THE BBE PROCESS***

---

Loudspeakers have difficulty working with the electronic signals supplied by an amplifier. These difficulties cause such major phase and amplitude distortion that the sound reproduced by speaker differs significantly from the sound produced by the original source.

In the past, these problems proved unsolvable and were thus delegated to a position of secondary importance in audio system design. However, phase and amplitude integrity is essential to accurate sound reproduction. Research shows that the information which the listener translates into the recog-

nizable characteristics of a live performance are intimately tied into complex time and amplitude relationships between the fundamental and harmonic components of a given musical note or sound. These relationships define a sound's "sound".

When these complex relationships pass through a speaker, the proper order is lost. The higher frequencies are delayed. A lower frequency may reach the listener's ear first or perhaps simultaneously with that of a higher frequency. In some cases, the fundamental components may be so time-shifted that they reach the lis-

tener's ear ahead of some or all of the harmonic components.

This change in the phase and amplitude relationship on the harmonic and fundamental frequencies is technically called “envelope distortion.” The listener perceives this loss of sound integrity in the reproduced sound as “muddy” and “smeared.” In the extreme, it can become difficult to tell the difference between musical instruments, for example, an oboe and a clarinet.

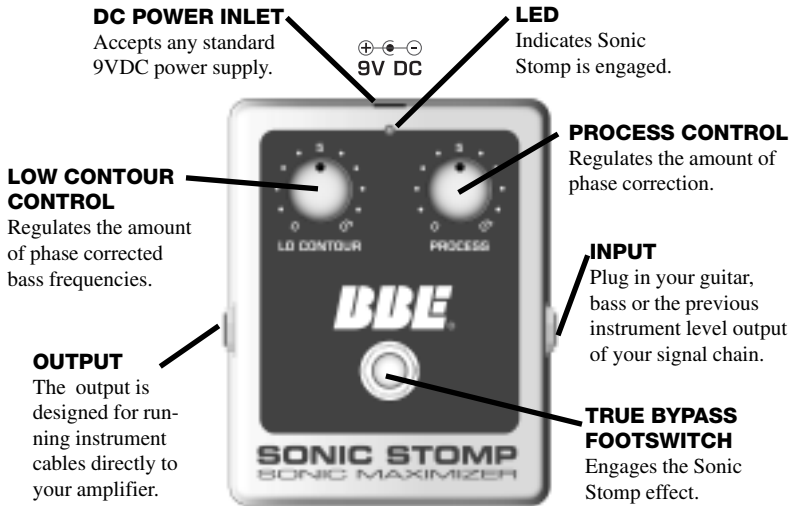
BBE Sound, Inc. conducted extensive studies of numerous speaker systems over a ten year period. With this knowledge, it became possible

to identify the characteristics of an ideal speaker and to distill the corrections necessary to return the fundamental and harmonic frequency structures to their correct order. While there are differences among various speaker designs in the magnitude of their correction, the overall pattern of correction needed is remarkably consistent.

The BBE Process is so unique that 42 patents have been awarded by the U.S. Patent Office.

## ***CONTROLS AND CONNECTORS***

---





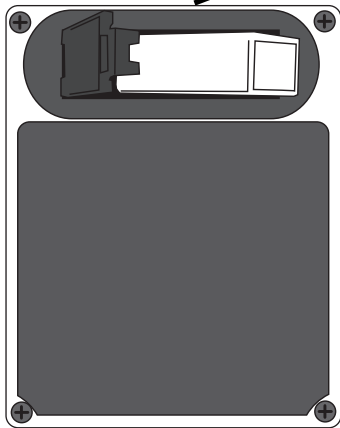
## ***BATTERY REPLACEMENT***

### **BATTERY COMPARTMENT**

Pull the latch to the left with thumbnail to release the hinged battery compartment cover. Carefully unplug battery without straining cables. Replace with fresh battery in reverse order.

Use a standard 9Volt battery. Battery life is about 300 hours.

*Unplugging the input to the Sonic Stomp will turn the unit off and conserve battery life.*



### **POWER SUPPLY CONNECTOR**

Connect the 9VDC power supply here.

## ***APPLICATIONS***

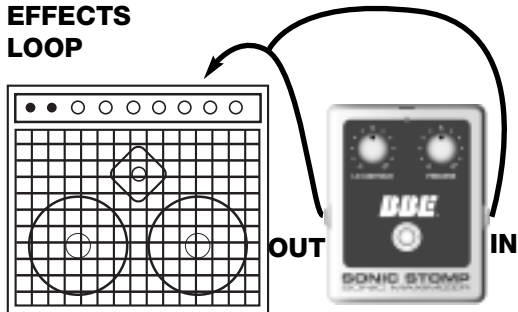
---

The BBE Sonic Maximizer Process is most effective when it is inserted in the signal chain immediately in front of the amplifier input. The Sonic Stomp should always be the last pedal in the chain.



The BBE Sonic Stomp can be inserted into an amplifier's effects loop circuit.

## **EFFECTS LOOP**



## ***SERVICE***

---

Should the Sonic Stomp ever require service we recommend that it be sent to our facility in California. Please contact our Service Department at 800-233-8346 extension 116 for a “Return Authorization” and include a copy of the original sales receipt.

If this product was purchased outside of the United States, please contact your local distributor.

## ***MAINTENANCE***

---

Maintenance of the BBE Sonic Stomp is limited to proper cleaning of the unit with mild household cleaner such as Formula 409™ or Windex™.

There are no user replaceable parts and the unit should not be opened for any reason unless you are a qualified technician. Calibration should be performed if

parts are replaced or if a performance check-out indicates a problem with calibration. Long term use has shown that over the life of this unit there is little or no drift of the components in the BBE Sonic Stomp which would cause a change in calibration.

Warranty registration of the unit to BBE Sound, Inc. is not necessary. It is strongly recommended that you retain a copy of the bill of sale for future reference.

**IT IS THE SOLE RESPONSIBILITY OF THE END USER TO PROVIDE THE BILL OF SALE OR OTHER MEANS OF PROOF OF PURCHASE TO VALIDATE THE WARRANTY IF WARRANTY SERVICE IS REQUESTED.**

The BBE Sonic Stomp is warranted against defects in material and workmanship for a period of five (5) years from date of purchase from BBE Sound Inc. or from an authorized dealer. During this period, we will repair units free of charge providing that they are shipped prepaid to:

BBE Sound, Inc.,  
5381 Production Drive,  
Huntington Beach, CA 92649.

We will pay return UPS shipping charges within the USA. All charges related to non-UPS shipping, including customs clearance, will be billed. The warranty will be honored for the longer of either 90 days from the date of any service or the remainder

of the original 5 Year factory warranty.

This warranty will be consider null and void by BBE Sound, Inc. if any of the following is found:

1. The equipment has been physically damaged.
2. The equipment shows signs of abuse.
3. The equipment has been electrically damaged by improper connection or attempted repair by the customer or a third party.
4. The equipment has been modified without authorization.
5. The bill of sales indicates that the purchase date of the equipment is not within the warranty period.

All non-warranty repairs are warranted for a period of 90 days from the date of service.

BBE Sound, Inc. is NOT LIABLE FOR CONSEQUENTIAL DAMAGES. Should the unit fail to operate for any reason, our sole obligation is to repair it as described above.

**DO NOT RETURN ANY PRODUCT TO THE ABOVE ADDRESS WITHOUT INSTRUCTIONS AND AUTHORIZATION ISSUED BY THE ABOVE LOCATION.**

# ***SPECIFICATIONS***

---

|                        |                     |                             |
|------------------------|---------------------|-----------------------------|
| Frequency Response:    | .....               | Program Dependent           |
| BBE:                   | Lo Contour .....    | +12dB @ 50Hz                |
|                        | Process .....       | +12dB @ 10kHz               |
| Signal to Noise Ratio: |                     |                             |
|                        | BBE on Max .....    | 94dB                        |
|                        | BBE on Min .....    | 104dB                       |
| THD:                   | .....               | 0.02% at 1kHz               |
| Noise:                 | BBE on Max .....    | -87dBu                      |
|                        | BBE on Min .....    | -97dBu                      |
| Max Signal Level       | .....               | +7dBu                       |
| Input Impedance:       | .....               | 1MEG Ohms                   |
| Output Impedance:      | .....               | 1K Ohm                      |
| * 0dBu = 0.775Vrms     |                     |                             |
| Hardware Bypass        | .....               | YES                         |
| Power Requirements:    |                     |                             |
|                        | DC inlet: .....     | +9VDC min. 200ma            |
|                        | Battery Life: ..... | 15 hours                    |
| Dimensions:            | .....               | 3.7"(W) x 4.7"(D) x 1.8"(H) |
| Shipping Weight:       | .....               | 3.3 lbs.                    |

Note: Due to continuing product improvement, specifications and design are subject to change without notice.



**BBE<sup>®</sup>**  
**Sound Inc.**

**5381 Production Drive**  
**Huntington Beach, CA 92649**  
**714-897-6766 • FAX 714-896-0736**

***www.bbesound.com***

*covered by U.S. Patent 4,482,866 and other U.S. and foreign patents pending.*  
*BBE is the registered trademark of BBE Sound, Inc.*