

**- WARRANTY INFORMATION -**

Please register online at <http://www.ehx.com/product-registration> or complete and return the enclosed warranty card within 10 days of purchase. Electro-Harmonix will repair or replace, at its discretion, a product that fails to operate due to defects in materials or workmanship for a period of one year from date of purchase. This applies only to original purchasers who have bought their product from an authorized Electro-Harmonix retailer. Repaired or replaced units will then be warranted for the unexpired portion of the original warranty term. If you should need to return your unit for service within the warranty period, please contact EHX Customer Service at 718-937-8300 or [info@ehx.com](mailto:info@ehx.com) for a Return Authorization Number. Along with your pedal, please include a brief description of the problem as well as your name, address, telephone number, copy of your receipt, and a check or money order.

**United States - \$12**

**Canada - \$15**

**Europe and other countries - \$25**

**Ship to:**

Electro-Harmonix  
C/O New Sensor Corporation  
55-01 2nd Street  
Long Island City, NY 11101

**Attn:** Service Department

**Please make checks/money orders payable to New Sensor Corporation.**

To hear demos on all EH pedals visit us on the web at [www.ehx.com](http://www.ehx.com).

Email us at [info@ehx.com](mailto:info@ehx.com)

**- FCC COMPLIANCE -**

*Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:*

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

*Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.*

# electro-harmonix

## B9

### Organ Machine

Congratulations on your purchase of the Electro-Harmonix B9. The B9 transforms the tone of a guitar and/or keyboard into that of a convincing full body electric organ. The 9 presets were finely tuned to emulate some of the most popular and classic electric organ tones. The B9 provides control over percussive attack level, modulation speed, organ and dry volume. The tracking on the B9 can keep up with the quickest musical passages.

**WARNING:** Your B9 comes equipped with an Electro-Harmonix 9.6DC-200BI power supply (same as used by Boss® & Ibanez®: 9.6 Volts DC 200mA). The B9 requires 100mA at 9VDC with a center negative plug. Using the wrong adapter or a plug with the wrong polarity may damage your B9 and void the warranty.

#### **GETTING STARTED**

Connect the supplied power adapter to the 9V power jack. Plug your instrument into the INPUT jack; connect your amp to the ORGAN OUTPUT jack. Set the DRY knob to minimum and all the other top row knobs to about mid position. Select the preset named FAT & FULL and step on the footswitch to turn on the LED. Play your instrument and adjust controls to your liking. MOD controls modulation speed and CLICK controls percussive click level.

#### **DRY VOLUME KNOB**

Controls the volume of the untreated instrument level at the ORGAN OUTPUT jack.

#### **ORGAN VOLUME KNOB**

Controls the overall volume of the ORGAN preset.

#### **MOD KNOB**

MOD controls the **speed of modulation**. Modulation can be completely turned off when MOD is set fully counterclockwise. The type of modulation is contingent on the preset selected. The different types of modulation available are vibrato, tremolo and chorus. See the preset descriptions for modulation type.

#### **CLICK KNOB**

CLICK controls **percussive click level**. It was designed to simulate the harmonic percussion effect on classic B3 and C3 organs. The click will be added to the very first note or chord played. The click will retrigger only when current notes have been released and their amplitude falls below a threshold. For a few presets, CLICK controls parameters unique to the preset. See the preset descriptions for details.

## BYPASS FOOTSWITCH

Press the BYPASS Footswitch to toggle the B9 between buffered Bypass and Effect mode. The status LED lights when in Effect mode.

## DRY OUTPUT JACK

DRY outputs the signal present at the INPUT Jack through a buffer circuit. The dry signal is outputted regardless if the B9 is in Effect or Bypass mode.

## ORGAN OUTPUT JACK

ORGAN outputs the mix set by the DRY and ORGAN controls.

## PRESET DESCRIPTIONS

1. **Fat & Full-** This sound adds an extra octave below and above to make your guitar sound twice as big. Fills out any band in an instant! **MOD Type:** *Chorus*.
2. **Jazz-** This preset has the cool, smooth jazz tone reminiscent of the late great organist Jimmy Smith. **MOD Type:** *Chorus*.
3. **Gospel-** This preset has the upper octave drawbars added to capture that great soulful organ tone. **MOD Type:** *Chorus*.
4. **Classic Rock-** This preset captures the classic rock sound of songs like Procol Harum's "Whiter Shade of Pale." Add a touch of distortion for a classic dirty organ. **MOD Type:** *Chorus*.
5. **Bottom End-** This preset has the lower draw bar sound. Perfect for adding bottom to your guitar or playing B3 bass sounds. With the CLICK control up you can lay down a bass line like the one on Sugarloaf's "Green Eyed Lady." **MOD Type:** *Chorus*.
6. **Octaves-** This preset uses the fundamental tone plus one octave above. This sound is great for songs like Led Zeppelin's "Your Time is Going to Come." **MOD Type:** *Chorus*. **CLICK** control adds not only key click, but higher harmonics.
7. **Cathedral-** Turn up the reverb and you are at the seat of a giant cathedral organ! Psychedelic rock tones easily pour out. **MOD Type:** *Tremolo*. **CLICK** adjusts the tremolo depth.
8. **Continental-** This is the classic combo organ sound similar to classic songs "96 Tears," "Woolly Bully" and "House of the Rising Sun." **MOD Type:** *Vibrato*. **CLICK** controls vibrato depth.
9. **Bell Organ-** If you crossed an electric piano with an organ this is it. **MOD Type:** *Tremolo*. **CLICK** adjusts the amount of bell or chime added to the sound.

## NOTES AND SPECIFICATIONS

- B9 has buffered bypass.
- Input impedance is 1MΩ.
- Output impedance for both output jacks is 500Ω.
- Current draw of the B9 is 100mA.

## TIPS ON GETTING OPTIMUM PERFORMANCE FROM THE B9.

1. The B9 is best as the first pedal in an effects chain. Place modulation, delay and reverb effects after the B9. The unit will not perform well if placed in the effects loop of a guitar amp.
2. The unit performs best using the bridge pickup of a guitar. If a guitar's pickup has a weak output, performance can be improved by putting a clean boost or a compressor in front of the B9. It is not advised to place a distortion or overdrive in front of the B9. This will muddy up the input signal and cause the tracking to be unstable. If overdrive or distortion is desired it's best to place it after the B9.
3. Some guitar amplifiers have a uneven peaky frequency response that may cause some sounds to be over accentuated. A compressor in front or after the B9 can help smooth this out. This helps for a guitar player who's playing is less than desirable in the dynamics department.
4. The B9 was designed to be used with a guitar. The unit can be used with a bass guitar BUT the range the bass player can play will be limited. The unit tracks best above the C note, third fret on the A string. Below that performance is compromised.
5. The top range using a guitar in standard tuning is the 23<sup>rd</sup> fret. Above that the organ sound will not be heard.
6. The B9 tracks great and will follow whatever you play, but sloppy guitar playing will sound like a sloppy organ player. The B9 will bend notes just a regular guitar does. Organs do not bend, so for a more authentic organ sound limit bending.