



# BASS BIG MUFF PI

## Legendary Fuzz for Bass Guitar

Congratulations! You have just purchased the finest harmonic distortion-sustain device developed to date for the electric bass guitar player: the Bass Big Muff Pi! The legendary heritage is now tailored for bass, your sound possibilities will be greatly enhanced. Please review this manual to learn the unique potential of this pedal.

The Bass Big Muff draws its roots from the legendary Sovtek battle-tank green Big Muff Pi, from the late 90's as well as from the original Electro-Harmonix Big Muff Pi from the early 70's. These Big Muff Pi's are often employed by bass players to thicken up their sound or to give them over-the-top low end growl. The Bass Big Muff takes the best elements from both of these classics and employs sonic elements that were specifically designed for your bass.

### -CONTROLS -

**Sustain Knob** – As in the original Big Muff Pi, adjusts the amount of sustain and distortion.

**Tone Knob** – provides a range of sounds from high treble to deep bass. The overall tone filter frequencies were carefully chosen to enhance your bass guitar.

**Volume Knob** – The volume knob sets the output level of the distortion. When the toggle switch is set to DRY, the volume knob has no effect on the output level of your original bass.

**Bass Boost/ Norm/ Dry Toggle Switch** – This is a 3 position toggle switch that allows you to choose three distinctly different sounds. In Bass Boost mode, the top position, a bass frequency boost is added to the distortion. It is most effective when the Tone knob is set to the upper or treble half of its rotation. In Norm mode, the middle position, you have the pure tone of the classic Big Muff Pi. In Dry mode, the bottom position, the original dry signal from your instrument is mixed with the output of the distortion circuit. The level of the Dry signal is constant and will not change as you turn the Volume knob up or down. This allows you to set the level of the distortion effect against your dry signal.

**Bypass Switch and Status LED** – Toggles between effect mode and True Bypass. When the status LED is lit, the effect is active. When the LED is off, the Bass Big Muff Pi is in True Bypass mode.

### -I/O AND POWER CONNECTIONS-

Input Jack- Musical instrument input. Plug your instrument into here. The input impedance presented at this jack is  $100k\Omega$ .

**Effect Out Jack** – is the main output of the Bass Big Muff Pi. Connect it to the input of your amp or another effects pedal.

**Direct Out Jack** – is connected directly to the Input jack to allow access to your original bass signal. You can connect this jack to an amplifier or different effects chain.

**9V Power Jack** – The Bass Big Muff Pi can run off of a 9V battery or you can use a 9VDC battery eliminator capable of delivering at least 100mA to the 9V power jack. The optional 9V power supply from Electro-Harmonix is **9.6DC-200BI** (same as used by Boss™ & Ibanez™) 9.6 Volts DC 200mA. The battery eliminator must have a barrel connector with center negative. The battery may be left in or taken out when using an eliminator.

### -OPERATION AND WARNINGS-

To change the 9-volt battery, you must remove the 4 screws on the bottom of the Bass Big Muff Pi. Once the screws are removed, you can take off the bottom plate and change the battery. Please do not touch the circuit board while the bottom plate is off or you risk damaging a component.

To achieve its long sustain, the Bass Big Muff Pi has very high maximum gain. This requires that pickups and cables be well shielded and properly grounded to avoid excessive hum when high sustain knob settings are used.