

electro-harmonix

BIG MUFF

π2

WITH TONE
WICKER

Welcome to the Electro-Harmonix Big Muff Pi 2 with Tone Wicker (BMP2TW)!

This creamy fuzz features the long-lost dual op-amp gain circuit from the 1970s designed by the Muff legend himself, Bob Myer. Two powerful tonal switches have been added: Tone and Wicker. The Tone switch enables or bypasses the Tone knob circuit. Wicker provides 3 positions, which remove some or all high frequency filters, allowing more high-end sizzle to pass through.

Operating Instructions

Connect your guitar to the INPUT jack of the BMP2TW and the AMP jack to your amp's input. Apply power—the BMP2TW may already have a 9V battery installed. Press the footswitch to ensure the LED is lit. Your BMP2TW is now ready to play.

A good starting point is to set the VOLUME knob to 9 o'clock and SUSTAIN and TONE to 12 o'clock. Enable the Tone knob by pushing the TONE switch to the up position, and WICKER to Off (down). Adjust the SUSTAIN and TONE knobs to dial-in your preferred tone. Set WICKER to HALF or FULL for added presence and high-end.

POWER REQUIREMENTS:

Voltage: **9VDC** Current: **20mA** Polarity: **Center-Negative** Battery: **9V**

This device may be powered with an Electro-Harmonix 9.6VDC-200, MOP-D10, or S8 power supply. Use of the wrong adapter or a plug with the wrong polarity may damage the device and void the warranty. Do not exceed 12VDC on the power plug. Power supplies rated for less than 50mA can cause the device to act unreliably.

Controls and Connections



1. **SUSTAIN Knob** Adjusts the amount of sustain and distortion.
2. **TONE Knob** Provides a range of sounds from high treble to deep bass. As you turn the knob clockwise the treble increases and bass decreases.
3. **VOL Knob** Sets the output level of your BMP2TW.
4. **WICKER Switch** Activate Wicker mode by flipping the WICKER switch up to the HALF or FULL positions. The HALF position adds a touch of high frequency. The FULL position opens-up the high frequency bandwidth for a bright and clear top end. Set the WICKER switch to OFF for the standard Big Muff Pi 2 sound.
5. **TONE Switch** The TONE switch allows the user to activate the Tone knob or to completely bypass the tone circuitry. When the TONE switch is set to the ON position, the Tone knob is active, just like a standard Big Muff Pi 2. When the TONE switch is set to OFF, the Tone knob, and all its circuitry, is bypassed. This setting yields a distortion with powerful drive, attitude, and uncolored gain. Please Note: when the TONE switch is set to OFF, the Tone knob is out of the circuit and adjusting the Tone knob does not change your sound.
6. **Footswitch & Status LED** Use the soft footswitch to toggle between effect and bypass. The BMP2TW is active when the LED is lit. When the LED is off, the pedal is in buffered bypass mode. The footswitch includes a momentary action: pressing and holding the footswitch for more than half a second returns BMP2TW to the previous state upon release. The momentary footswitch action may be disabled, see the section called Footswitch Latching and Momentary Action.

7. **INPUT Jack** Audio input jack. Impedance: 2M Ω .

8. **AMP Jack** Audio output jack. Impedance max: 2.7k Ω .

9. **9VDC Power Jack** An optional 9VDC, center-negative power supply can be connected to the power jack to provide power without a battery. The BMP2TW requires 20mA at 9VDC on a center-negative plug. Do not exceed 12VDC at the power jack.

When using a 9V battery, plugging into the INPUT jack activates power. The input cable should be removed when the unit is not in use to avoid running down the battery.

To change the 9-volt battery, you must remove the 4 screws on the bottom of the BMP2TW. 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.

Please note: It is normal for the Big Muff Pi 2 with Tone Wicker to change effect/bypass state when zapped with electrostatic discharge, causing a signal interruption. Simply press the footswitch to bring it back to the required state.

Footswitch Latching and Momentary Action

The soft footswitch works both like a standard latching footswitch and a momentary footswitch. The latching action means each press and release of the footswitch will toggle between bypass and effect modes. A momentary change between bypass and effect occurs when you press and hold the footswitch. BMP2TW changes state immediately upon pressing the footswitch. If you continue to hold the footswitch—for more than half a second—it will return to the previous state when you release the footswitch.

Momentary hold action can be disabled completely by performing the following procedure:

1. Power down the BMP2TW.
2. Press and hold the footswitch.
3. While holding down the footswitch, apply power to the BMP2TW.
4. Continue to hold down the footswitch. After about 2 seconds, the LED blinks.
A slow blink means momentary footswitch holds are disabled.
A fast blink means momentary footswitch holds are enabled.
5. Release the footswitch.

The momentary footswitch hold setting is remembered through power-cycles so you can set it and forget it.

Notes and Specifications

Audio impedance at the INPUT jack: 2M Ω .

Audio impedance at the AMP jack: 2.7k Ω .

Current draw: 20mA at 9VDC.

Power Supply: 9VDC, Center-negative polarity.

Buffered bypass switching.