

Electro-Harmonix 665080

Electro-Harmonix Blurst! Modulated Filter Pedal User Manual

This manual provides detailed instructions for the setup, operation, and maintenance of your Electro-Harmonix Blurst! Modulated Filter Pedal.

INTRODUCTION

The Electro-Harmonix Blurst! is a modulated filter pedal designed for guitarists and bass players. It integrates technology from keyboard and modular synthesizers to create dynamic filter effects. Unlike traditional envelope filters, the Blurst!'s filter response is controlled by an internal oscillator, offering unique sonic exploration.



Image: Front view of the Electro-Harmonix Blurst! Modulated Filter Pedal, showcasing its controls and distinctive graphic design.

SETUP

Follow these steps to properly set up your Blurst! pedal:

1. **Power Connection:** Connect a 9V DC power adapter (center positive) to the 9V power jack on the top of the pedal. The Blurst! requires a 9V battery or a 9V DC power supply.

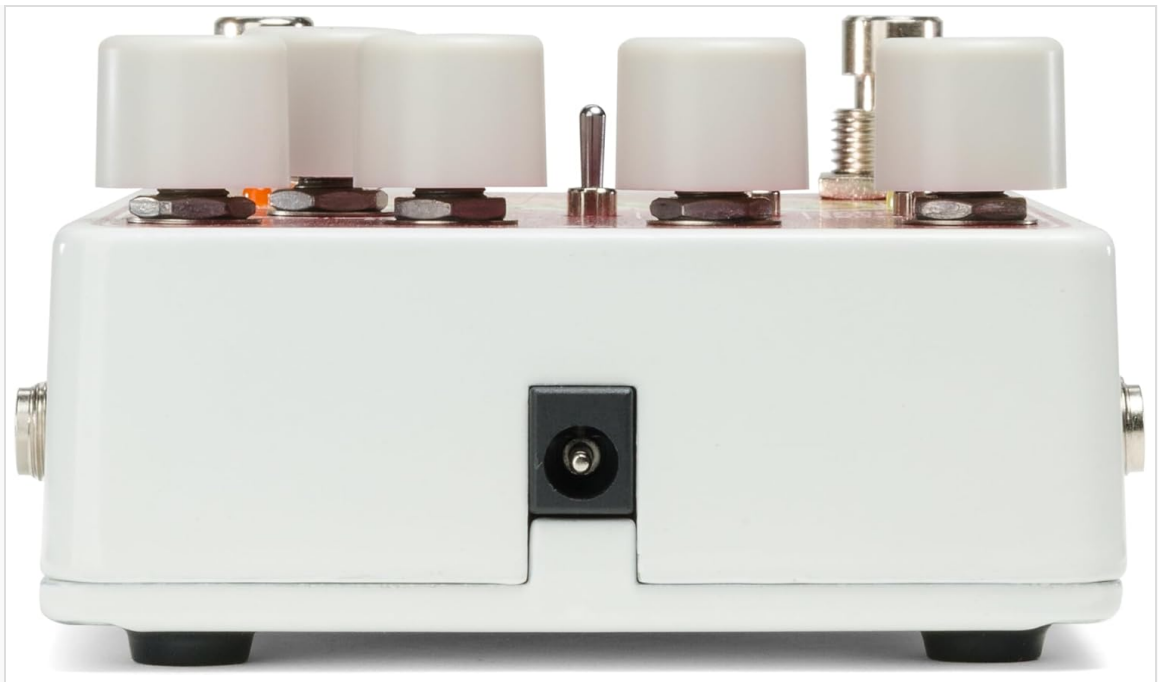


Image: Side view of the Blurst! pedal, highlighting the 9V power input jack.

2. **Input Connection:** Connect your instrument (guitar, bass, etc.) to the **INPUT** jack on the right side of the pedal using a standard 1/4-inch instrument cable.
3. **Output Connection:** Connect the **OUTPUT** jack on the left side of the pedal to your amplifier or the next effect pedal in your signal chain using a standard 1/4-inch instrument cable.



Image: Angled view of the Blurst! pedal, showing the input and output jacks for instrument connection.

4. **Expression Pedal (Optional):** For external control, connect an expression pedal or a Control Voltage (CV) source (such as the EHX 8 Step Program Analog Expression/CV Sequencer) to the **EXP** jack on the left side of the pedal.

OPERATING INSTRUCTIONS

The Blurst! pedal features several controls to shape your modulated filter sound:

Controls:

- **VOL Knob:** Controls the overall output volume of the pedal.
- **BLEND Knob:** Adjusts the mix between your dry (unaffected) signal and the wet (filtered) signal. Turn clockwise for more filtered sound, counter-clockwise for more dry signal.
- **RESONANCE Knob:** Controls the Q or peak of the filter. Higher settings create a more pronounced, resonant filter sweep.
- **RATE Knob:** Sets the speed of the filter modulation. This can also be controlled by the TAP

footswitch.

- **RANGE Knob:** Determines the frequency range over which the filter modulates. Turn clockwise for a wider sweep, counter-clockwise for a narrower sweep.

Toggle Switches:

- **EXP MODE Switch:** Selects the parameter controlled by an external expression pedal or CV source.
 - **RANGE:** Expression pedal controls the filter's frequency range.
 - **RATE:** Expression pedal controls the modulation rate.
 - **FILTER:** Expression pedal controls the filter's center frequency.
- **TAP DIVIDE Switch:** When using the TAP footswitch to set the modulation rate, this switch divides the tapped tempo into different rhythmic values.
 - **Quarter Note:** Modulation rate matches the tapped tempo.
 - **Dotted Eighth Note:** Modulation rate is a dotted eighth note of the tapped tempo.
 - **Triplet:** Modulation rate is a triplet of the tapped tempo.
- **SHAPE Switch:** Selects the waveform shape of the internal oscillator that modulates the filter.
 - **Triangle:** Smooth, symmetrical modulation.
 - **Rising Saw-tooth:** Rapid rise, slow fall modulation.
 - **Falling Saw-tooth:** Slow rise, rapid fall modulation.

Footswitches:

- **TAP Footswitch:** Tap this footswitch two or more times to set the modulation rate. The rate will synchronize to your tapped tempo, adjusted by the TAP DIVIDE switch.
- **BYPASS Footswitch:** Toggles the effect on and off. When the effect is on, the LED indicator will illuminate.



Image: The Blurst! pedal with input and output cables connected, ready for operation.

To ensure the longevity and optimal performance of your Blurst! pedal:

- **Cleaning:** Use a soft, dry cloth to clean the pedal's exterior. Avoid abrasive cleaners or solvents.
- **Storage:** Store the pedal in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Replacement:** If using a 9V battery, replace it when the LED indicator dims or the pedal's performance degrades. To replace, remove the four screws on the bottom plate and carefully lift the plate. Disconnect the old battery and connect a new 9V battery, then reattach the bottom plate.
- **Connections:** Periodically check all cable connections for wear and tear. Ensure jacks are free of dust and debris.

TROUBLESHOOTING

If you encounter issues with your Blurst! pedal, consider the following:

- **No Sound:**
 - Ensure all cables are securely connected to the input, output, and power jacks.
 - Verify the power supply is functioning correctly and providing 9V DC (center positive).
 - If using a battery, check if it needs replacement.
 - Test with different cables and a different amplifier/instrument to isolate the problem.
- **Weak or Distorted Sound:**
 - Check the **VOL** and **BLEND** knob settings.
 - Ensure your instrument's output level is appropriate for the pedal's input.
 - If using a battery, replace it.
- **Modulation Not Working:**
 - Check the **RATE** knob setting.
 - If using the TAP footswitch, ensure you are tapping it consistently and the TAP DIVIDE switch is set as desired.
 - Verify the **SHAPE** switch is set to a desired waveform.
- **Expression Pedal Not Responding:**
 - Ensure the expression pedal is correctly connected to the **EXP** jack.
 - Verify the **EXP MODE** switch is set to the desired parameter (RANGE, RATE, or FILTER).
 - Confirm the expression pedal is compatible and functioning correctly.

SPECIFICATIONS

Feature	Detail
Model Number	665080
Dimensions (L x W x H)	4.75" x 4" x 2.25" (approx. 121mm x 102mm x 57mm)
Weight	1.54 pounds (0.7 kg)
Power Requirement	9V DC (center positive) power adapter or 9V battery

Input/Output	1/4-inch (6.35mm) audio jacks
Signal Format	Analog
Body Material	Metal


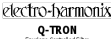

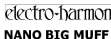
WARRANTY AND SUPPORT

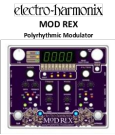
Electro-Harmonix products are designed for reliability and performance. For warranty information and technical support, please refer to the official Electro-Harmonix website or contact their customer service department.

You can also visit the [Electro-Harmonix Store on Amazon](#) for additional product information and resources.

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Related Documents - 665080

 <p>The Worm Analog Modulation Pedal</p> <p>Congratulations on your purchase of The Worm, a handcrafted analog modulation pedal. We believe it's the perfect addition to your pedalboard. Please read these instructions carefully.</p> <p>WARNING:</p> <p>The Worm uses a regulated 9V DC power supply. It is not compatible with 12VDC or other power sources. Use only the power adapter that is supplied with the Worm. Using an incorrect power source can damage the pedal and void the warranty.</p> <p>CONTROLS:</p> <p>MODE SELECT SWITCH: Select between the two different types of effects: WORM (Analog Modulation) and TRON (Envelope Controlled Filter).</p> <p>DEPTH CONTROL: Adjusts the amount of effect that will be applied to the signal. In the WORM mode, it controls the depth of the modulation. In the TRON mode, it controls the resonance of the filter.</p> <p>ATTEN/BOOST: Selects between the two different types of output: ATTEN (Attenuation) and BOOST (Boost). In the ATTEN mode, the signal is attenuated by 10dB. In the BOOST mode, the signal is boosted by 10dB.</p> <p>POWER: The Worm uses a 9VDC power supply. It is not compatible with 12VDC or other power sources. Use only the power adapter that is supplied with the Worm. Using an incorrect power source can damage the pedal and void the warranty.</p>	<p>Electro-Harmonix The Worm Analog Modulation Pedal User Manual</p> <p>User manual for the Electro-Harmonix The Worm Analog Modulation Pedal, detailing its features, controls, connections, warranty information, and FCC compliance.</p>
 <p>Q-TRON Envelope Controlled Filter</p> <p>Congratulations on your purchase of the Q-TRON, a handcrafted analog envelope controlled filter. We believe it's the perfect addition to your pedalboard. Please read these instructions carefully.</p> <p>WARNING:</p> <p>The Q-TRON uses a regulated 9V DC power supply. It is not compatible with 12VDC or other power sources. Use only the power adapter that is supplied with the Q-TRON. Using an incorrect power source can damage the pedal and void the warranty.</p> <p>CONTROLS:</p> <p>MODE SELECT SWITCH: Select between the two different types of effects: Q-TRON (Envelope Controlled Filter) and TRON (Envelope Controlled Filter).</p> <p>DEPTH CONTROL: Adjusts the amount of effect that will be applied to the signal. In the Q-TRON mode, it controls the depth of the filter. In the TRON mode, it controls the resonance of the filter.</p> <p>ATTEN/BOOST: Selects between the two different types of output: ATTEN (Attenuation) and BOOST (Boost). In the ATTEN mode, the signal is attenuated by 10dB. In the BOOST mode, the signal is boosted by 10dB.</p> <p>POWER: The Q-TRON uses a 9VDC power supply. It is not compatible with 12VDC or other power sources. Use only the power adapter that is supplied with the Q-TRON. Using an incorrect power source can damage the pedal and void the warranty.</p>	<p>Electro-Harmonix Q-TRON Envelope Controlled Filter User Manual</p> <p>Operating instructions, settings, and warranty information for the Electro-Harmonix Q-TRON Envelope Controlled Filter. Learn how to use this audio effect pedal for guitar and other instruments.</p>
 <p>SWELLO Attack Envelope Pedal</p> <p>Congratulations on your purchase of the Swello, a handcrafted analog attack envelope pedal. We believe it's the perfect addition to your pedalboard. Please read these instructions carefully.</p> <p>WARNING:</p> <p>The Swello uses a regulated 9V DC power supply. It is not compatible with 12VDC or other power sources. Use only the power adapter that is supplied with the Swello. Using an incorrect power source can damage the pedal and void the warranty.</p> <p>CONTROLS:</p> <p>MODE SELECT SWITCH: Select between the two different types of effects: SWELLO (Attack Envelope) and TRON (Envelope Controlled Filter).</p> <p>DEPTH CONTROL: Adjusts the amount of effect that will be applied to the signal. In the SWELLO mode, it controls the depth of the attack envelope. In the TRON mode, it controls the resonance of the filter.</p> <p>ATTEN/BOOST: Selects between the two different types of output: ATTEN (Attenuation) and BOOST (Boost). In the ATTEN mode, the signal is attenuated by 10dB. In the BOOST mode, the signal is boosted by 10dB.</p> <p>POWER: The Swello uses a 9VDC power supply. It is not compatible with 12VDC or other power sources. Use only the power adapter that is supplied with the Swello. Using an incorrect power source can damage the pedal and void the warranty.</p>	<p>Electro-Harmonix Swello Attack Envelope Pedal User Manual</p> <p>Comprehensive user manual for the Electro-Harmonix Swello Attack Envelope pedal, detailing its features, controls, operating instructions, resonance adjustment, and factory restore procedures.</p>
 <p>NANO BIG MUFF PI</p> <p>Congratulations on your purchase of the Nano Big Muff Pi, a handcrafted analog distortion-sustain pedal. We believe it's the perfect addition to your pedalboard. Please read these instructions carefully.</p> <p>WARNING:</p> <p>The Nano Big Muff Pi uses a regulated 9V DC power supply. It is not compatible with 12VDC or other power sources. Use only the power adapter that is supplied with the Nano Big Muff Pi. Using an incorrect power source can damage the pedal and void the warranty.</p> <p>CONTROLS:</p> <p>MODE SELECT SWITCH: Select between the two different types of effects: NANO BIG MUFF PI (Distortion-Sustain) and TRON (Envelope Controlled Filter).</p> <p>DEPTH CONTROL: Adjusts the amount of effect that will be applied to the signal. In the NANO BIG MUFF PI mode, it controls the depth of the distortion-sustain. In the TRON mode, it controls the resonance of the filter.</p> <p>ATTEN/BOOST: Selects between the two different types of output: ATTEN (Attenuation) and BOOST (Boost). In the ATTEN mode, the signal is attenuated by 10dB. In the BOOST mode, the signal is boosted by 10dB.</p> <p>POWER: The Nano Big Muff Pi uses a 9VDC power supply. It is not compatible with 12VDC or other power sources. Use only the power adapter that is supplied with the Nano Big Muff Pi. Using an incorrect power source can damage the pedal and void the warranty.</p>	<p>Electro-Harmonix Nano Big Muff Pi User Manual and Product Information</p> <p>Detailed information on the Electro-Harmonix Nano Big Muff Pi guitar effects pedal, including operating instructions, controls, power requirements, battery replacement, and warranty details. Learn how to get the best sound from this compact distortion-sustain device.</p>

<div data-bbox="156 107 271 241"></div> <div data-bbox="132 241 292 376"><p>electro-harmonix MOD REX Polyrhythmic Modulator</p><p>Das Modulator-Modul ist ein polyrhythmischer Modulator, der die Klangfarbe eines Signals verändert. Es verfügt über eine Vielzahl von Presets, die über einen Potentiometer-Steuerknopf ausgewählt werden können. Die Presets sind:</p><ul style="list-style-type: none">1. 1/4 Note2. 1/8 Note3. 1/16 Note4. 1/32 Note5. 1/64 Note6. 1/128 Note7. 1/256 Note8. 1/512 Note9. 1/1024 Note10. 1/2048 Note11. 1/4096 Note12. 1/8192 Note13. 1/16384 Note14. 1/32768 Note15. 1/65536 Note16. 1/131072 Note17. 1/262144 Note18. 1/524288 Note19. 1/1048576 Note20. 1/2097152 Note21. 1/4194304 Note22. 1/8388608 Note23. 1/16777216 Note24. 1/33554432 Note25. 1/67108864 Note26. 1/134217728 Note27. 1/268435456 Note28. 1/536870912 Note29. 1/1073741824 Note30. 1/2147483648 Note31. 1/4294967296 Note32. 1/8589934592 Note33. 1/17179869184 Note34. 1/34359738368 Note35. 1/68719476736 Note36. 1/137438953472 Note37. 1/274877906944 Note38. 1/549755813888 Note39. 1/1099511627776 Note40. 1/2199023255552 Note41. 1/4398046511104 Note42. 1/8796093022208 Note43. 1/17592186044416 Note44. 1/35184372088832 Note45. 1/70368744177664 Note46. 1/140737488355328 Note47. 1/281474976710656 Note48. 1/562949953421312 Note49. 1/1125899906842624 Note50. 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