

## SONICAKE QDS

# SONICAKE EQ Equalizer Guitar Effects Pedal (Model QDS) User Manual

Your guide to precise tone shaping and optimal performance.

## 1. INTRODUCTION

The SONICAKE EQ Equalizer is a professional 10-band graphic equalizer pedal designed with an analog circuit. It features ten carefully selected frequency bands, allowing musicians to precisely and quickly shape their instrument's tone. This pedal is suitable for a variety of instruments and is built with a true bypass circuit to maintain signal integrity.

This manual provides detailed instructions for the setup, operation, and maintenance of your EQ Equalizer pedal to ensure you achieve the best possible sound.

## 2. PRODUCT FEATURES

- **100% Analog 10-Band Equalizer:** Based on classic EQ effect pedal frequency bands.
- **Adjustable Gain Range:**  $\pm 15\text{dB}$  adjustable gain range for each band, suitable for various instruments.
- **Precise Tone Shaping:** 11 high-quality sliders for quick and accurate parameter control.
- **True Bypass Circuit:** Ensures a clean signal path when the effect is disengaged.
- **Durable Construction:** Aluminium-alloy casing for lightweight yet robust performance.

## 3. CONTROLS AND FUNCTIONS

Familiarize yourself with the controls of your SONICAKE EQ Equalizer pedal:

# Choice Frequency

Carefully selected frequency bands, a wide range of  $\pm 15\text{dB}$  parameter adjustment

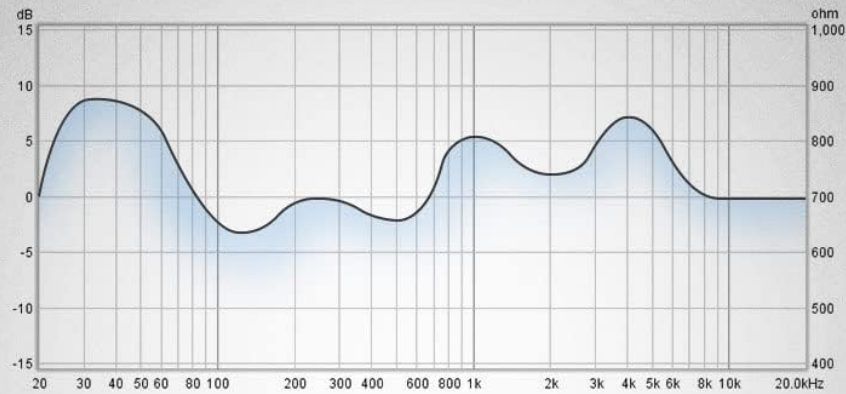


Image: Front view of the SONICAKE EQ Equalizer pedal with numbered control labels.

1. **Input Jack (1/4 inch):** Connect your instrument or the output of a preceding effect pedal here.
2. **DC 9V Power Input:** Connect a standard 9V DC center-negative power supply (not included).
3. **Output Jack (1/4 inch):** Connect this to your amplifier or the input of the next effect pedal in your chain.
4. **Frequency Band Sliders (31.25Hz to 16kHz):** Ten individual sliders to boost or cut specific frequency ranges by  $\pm 15\text{dB}$ . Adjust these to shape your tone.
5. **Level Slider:** Controls the overall output volume of the pedal. Use this to match the volume when the effect is engaged or disengaged.
6. **Footswitch:** Engages or disengages the equalizer effect. This pedal features true bypass, ensuring your signal remains unaffected when the pedal is off. The LED indicator above the footswitch illuminates when the effect is active.



Image: Top-down view of the SONICAKE EQ Equalizer pedal, showing all sliders and the footswitch.



# Humanized Manipulation

11 high quality sliders help to control parameters quickly and accurately



Image: A hand demonstrating the adjustment of the frequency sliders on the EQ Equalizer pedal.

## 4. SETUP

Follow these steps to set up your EQ Equalizer pedal:

1. **Power Connection:** Connect a standard 9V DC center-negative power supply (not included) to the DC 9V input jack (2). Ensure the power supply meets the specified voltage and polarity requirements.
2. **Instrument Input:** Connect your instrument (e.g., guitar) or the output of a previous effect pedal to the Input Jack (1) on the right side of the pedal.
3. **Output Connection:** Connect the Output Jack (3) on the left side of the pedal to your amplifier's input or the input of the next effect pedal in your signal chain.
4. **Power On:** Once all connections are secure, power on your amplifier and other equipment.

# 10-Band EQ

Analog 10-band equalizer suitable for any instrument



Image: An angled view of the EQ Equalizer pedal, highlighting the DC 9V power input and its central negative polarity requirement.





Image: The EQ Equalizer pedal integrated into a pedalboard setup, demonstrating typical connections.

## 5. OPERATING INSTRUCTIONS

To operate your SONICAKE EQ Equalizer pedal:

1. **Engage/Disengage Effect:** Press the footswitch (6) to toggle the equalizer effect on or off. The LED indicator will light up when the effect is active.
2. **Adjusting Frequency Bands:** Use the ten frequency band sliders (4) to boost or cut specific frequencies. Moving a slider up boosts that frequency, while moving it down cuts it. Experiment with different settings to find your desired tone.
3. **Adjusting Overall Level:** Use the Level slider (5) to control the overall output volume of the pedal. This is useful for compensating for volume changes introduced by EQ adjustments or for matching the volume with other pedals in your chain.
4. **Tone Shaping Tips:**
  - **Low Frequencies (31.25Hz - 125Hz):** Affect bass and sub-bass. Boosting can add warmth and fullness; cutting can reduce muddiness.
  - **Mid Frequencies (250Hz - 2kHz):** Crucial for presence and clarity. Boosting around 500Hz-1kHz can add body; cutting can reduce harshness. Boosting 2kHz can add bite.

- **High Frequencies (4kHz - 16kHz):** Control treble and brilliance. Boosting can add sparkle and air; cutting can reduce hiss or harshness.



Image: Close-up view of the footswitch on the EQ Equalizer pedal, illustrating its true bypass functionality.

## 6. MAINTENANCE

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To ensure the longevity and optimal performance of your pedal:

- **Cleaning:** Use a soft, dry cloth to clean the pedal's exterior. Avoid abrasive cleaners or solvents.
- **Storage:** Store the pedal in a dry environment, away from extreme temperatures, humidity, and direct sunlight.
- **Power Supply:** Always use a regulated 9V DC center-negative power supply. Incorrect power can damage the unit.
- **Connections:** Periodically check all cable connections for wear and tear.

## 7. TROUBLESHOOTING

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If you encounter issues with your EQ Equalizer pedal, consider the following:

- **No Sound:**

- Ensure the power supply is correctly connected and functioning.
- Check all instrument cables for proper connection and functionality.
- Verify that the amplifier is on and its volume is up.
- Ensure the pedal's Level slider is not set to minimum.

- **Weak or Distorted Sound:**

- Check the power supply; insufficient power can cause distortion.
- Ensure instrument cables are not faulty.
- Adjust the Level slider to prevent signal clipping.

- **Unwanted Noise/Hum:**

- Use a high-quality, regulated power supply.
- Ensure all cables are properly shielded and connected.
- Try isolating the pedal from other power sources or noisy equipment.

## 8. SPECIFICATIONS

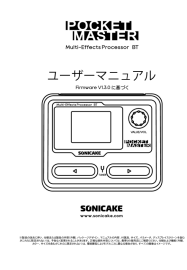



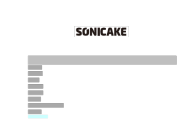
<b>Model Number</b>	QDS
<b>Item Weight</b>	12.7 ounces (0.36 Kilograms)
<b>Product Dimensions</b>	3.54"L x 2.16"W x 4.88"H (9 x 5.5 x 12.4 cm)
<b>Power Source</b>	DC Power Supply (9V Center Negative, not included)
<b>Voltage</b>	9 Volts
<b>Signal Format</b>	Analog
<b>Connector Type</b>	1/4 inch audio jack
<b>Hardware Interface</b>	1/4-inch Audio

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your SONICAKE EQ Equalizer pedal, please refer to the documentation included with your purchase or visit the official SONICAKE website. Keep your proof of purchase for any warranty claims.

### Related Documents - QDS



	<p><a href="#">SONICAKE Pocket Master BT Multi-Effects Processor User Manual</a></p> <p>Comprehensive user manual for the SONICAKE Pocket Master BT Multi-Effects Processor, covering panel introductions, menu navigation, effect editing, settings, troubleshooting, and technical specifications. Includes detailed explanations of various effects and MIDI control.</p>
	<p><a href="#">Sonicake Matribox II Multi-Effects Processor User's Manual</a></p> <p>A comprehensive user's manual for the Sonicake Matribox II, a second-generation multi-effects processor. This guide covers panel introduction, main menu navigation, effects editing, global settings, troubleshooting, and technical specifications for guitarists and bassists.</p>
	<p><a href="#">Sonicake Matribox Multi-Effects Processor User Manual</a></p> <p>Comprehensive user manual for the Sonicake Matribox multi-effects processor, covering features, operation, effects list, troubleshooting, and specifications for Firmware V1.0.4.</p>
	<p><a href="#">Sonicake Portal Active Signal Mixer: User Guide and Circuit Schematics</a></p> <p>A comprehensive guide to the Sonicake Portal active signal mixer, detailing its parallel and series modes, circuit schematics, and operational controls. Includes specifications and usage instructions.</p>
	<p><a href="#">SONICAKE Pocket Master Multi-Effects Processor BT User Manual</a></p> <p>User manual for the SONICAKE Pocket Master BT multi-effects processor, covering panel introduction, effects editing, settings, drum, tuner, looper, USB audio interface, compatible software, effect list, specifications, and troubleshooting.</p>
	<p><a href="#">Sonicake Pocket Master Multi-Effects Processor BT User Manual</a></p> <p>Comprehensive user manual for the Sonicake Pocket Master Multi-Effects Processor BT, covering setup, operation, effects, features, specifications, and troubleshooting. Includes multi-language support.</p>

