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### SONICAKE QSS-27

# SONICAKE Source Comp Compressor Pedal User Manual

## INTRODUCTION

Thank you for choosing the SONICAKE Source Comp Compressor Pedal. This manual provides detailed instructions for the proper setup, operation, and maintenance of your new effects pedal. Please read this manual thoroughly to ensure optimal performance and longevity of your device.

## PRODUCT OVERVIEW

The SONICAKE Source Comp is a mini analog compressor pedal designed for electric guitar and bass. It features a full-analog circuit for classic compression characteristics and offers extensive control over your sound dynamics with six adjustable knobs. The pedal is equipped with a buffer bypass to maintain signal integrity when disengaged and includes an LED indicator for real-time dynamic feedback.





Image: The SONICAKE Source Comp Compressor Pedal, showcasing its compact design and control layout.

### Key Features:

- **Full-Analog Circuit Design:** Provides a classic compressor sound.
- **Rich Parameter Knobs:** Offers comprehensive control for dynamic accommodation.
- **Dynamic LED Feedback:** Multi-color LED indicates gain reduction in real-time.
- **Buffer Bypass:** Preserves signal strength and quality when the pedal is off.
- **Compact and Durable:** Full metal shell, sturdy and suitable for crowded pedalboards.

# Full-Analog Circuit Design

Pure analog circuit to achieve that classic compressor vibe.



Image: Diagram illustrating the full-analog circuit design of the Source Comp pedal, emphasizing its classic compressor sound.

# LED Gain Reduction Indicator

The multi-color LED provides dynamic feedback in real time.



Image: Illustration showing the LED indicator changing color based on signal input, providing dynamic feedback.

## CONTROLS AND FUNCTIONS

The SONICAKE Source Comp pedal features six control knobs, a footswitch, and an LED indicator. Refer to the diagram below for component identification.

## Fit any crowded pedalboard

Compact in size and light in weight. Full metal shell, sturdy and durable.



Image: A numbered diagram of the SONICAKE Source Comp pedal, highlighting its various controls and input/output jacks.

1. **DC 9-18V Power Input:** Connect a 9-18V DC center-negative power supply (not included).
2. **IN (Input) Knob:** Adjusts the input level of your signal. Higher settings increase the amount of compression.
3. **OUT (Output) Knob:** Controls the overall output volume of the pedal. Use to match levels when the pedal is engaged or disengaged.
4. **DRY Knob:** Blends the dry (uncompressed) signal with the compressed signal. Allows for parallel compression.
5. **RATIO Knob:** Sets the compression ratio, determining how much the signal is compressed once it exceeds the threshold.
6. **ATK (Attack) Knob:** Adjusts how quickly the compressor reacts to the initial transient of a note.
7. **REL (Release) Knob:** Controls how quickly the compressor returns to its uncompressed state after the signal drops below the threshold.
8. **Input Jack:** Connect your instrument (guitar or bass) here.
9. **Output Jack:** Connect to your amplifier or the next pedal in your signal chain.
10. **Footswitch:** Engages or disengages the compression effect.

## SETUP

Follow these steps to set up your SONICAKE Source Comp pedal:

- 1. Power Connection:** Connect a 9-18V DC center-negative power supply to the DC input jack (1). Ensure the power supply meets the specified voltage and polarity requirements.



Image: Diagram illustrating the correct DC 9-18V center-negative power connection for the pedal.

- 2. Instrument Connection:** Connect your electric guitar or bass to the Input Jack (8) using a standard 1/4-inch instrument cable.
- 3. Amplifier Connection:** Connect the Output Jack (9) to your amplifier's input or to the input of the next pedal in your effects chain using a standard 1/4-inch instrument cable.
- 4. Initial Settings:** For a starting point, set all knobs (IN, OUT, DRY, RATIO, ATK, REL) to the middle (12 o'clock) position.

## OPERATING INSTRUCTIONS

Once the pedal is set up, you can begin to explore its compression capabilities:

- 1. Engage the Pedal:** Press the Footswitch (10) to activate the compression effect. The LED indicator will illuminate.
- 2. Adjust Input (IN):** Slowly increase the IN knob. As you increase the input, the LED will change color

(e.g., from green to orange/red) indicating gain reduction, meaning compression is occurring. Higher IN settings result in more compression.

3. **Set Ratio:** Adjust the RATIO knob to control the intensity of the compression. Lower ratios provide subtle leveling, while higher ratios create a more squashed, sustained sound.
4. **Control Attack (ATK):** The ATK knob determines how quickly the compressor engages. A fast attack (lower setting) will compress the initial transient of a note, while a slow attack (higher setting) allows the initial pick attack to pass through uncompressed before the compression kicks in.
5. **Control Release (REL):** The REL knob sets how long the compression effect lasts after the signal drops. A fast release (lower setting) can make the sound pump, while a slow release (higher setting) provides a smoother, more sustained effect.
6. **Blend Dry Signal (DRY):** Use the DRY knob to mix your original, uncompressed signal with the compressed signal. This parallel compression technique can help retain the natural dynamics and punch of your playing while still benefiting from compression.
7. **Adjust Output (OUT):** After setting your desired compression, use the OUT knob to adjust the overall volume of the pedal. Ensure the volume matches your bypassed signal or provides a slight boost if desired.

Experiment with different knob combinations to find the compression settings that best suit your playing style and musical context. The LED indicator provides visual feedback on the amount of gain reduction applied.

## MAINTENANCE

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- **Cleaning:** Use a soft, dry cloth to clean the pedal's exterior. Avoid using abrasive cleaners or solvents, as they may damage the finish.
- **Storage:** Store the pedal in a dry environment, away from extreme temperatures and direct sunlight. Disconnect the power supply when not in use for extended periods.
- **Power Supply:** Always use a regulated 9-18V DC center-negative power supply. Using an incorrect power supply can damage the unit and void the warranty.

## TROUBLESHOOTING

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- **No Sound:**
  - Check all cable connections (instrument, amplifier, power).
  - Ensure the power supply is correctly connected and functioning.
  - Verify that your instrument and amplifier are working correctly.
- **Excessive Noise/Hum:**
  - Ensure you are using a high-quality, isolated power supply. Daisy-chaining power with other noisy pedals can introduce hum.
  - Lower the IN knob setting. High compression levels inherently raise the noise floor.
  - Check for ground loops in your signal chain.
  - Test the pedal in a different electrical outlet or location to rule out external interference.
- **Effect Not Engaging:**
  - Press the footswitch firmly.

- Check if the LED indicator illuminates when the footswitch is pressed. If not, verify power supply.

## SPECIFICATIONS

Specification	Value
Model Number	QSS-27
Item Weight	8.8 ounces (249 grams)
Product Dimensions	3.94 x 2.36 x 2.36 inches (10 x 6 x 6 cm)
Power Source	DC 9-18V, Center Negative
Signal Format	Analog
Audio Output Effects	Compression
Controls Type	Knob

## WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided with your purchase or visit the official SONICAKE website. You may also contact your retailer for assistance.

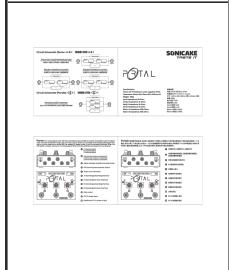
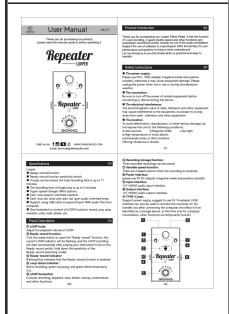
**Manufacturer:** Changsha Hotone Audio Co., Ltd.

**Address:** Unit 1, 2, 6, 7, 2nd Floor, East Block, Hunan University Science Park, No.186, Guyuan Road, Yue Lu District, Changsha City, Hunan Province, P.R. China

**UPC:** 0843037102640

## Related Documents - QSS-27

	<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 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>Korea <b>SONICAKE</b>  QGT-01 Travel Guitar(트래블 기타) 빠른 설명서  www.sonicake.com</p>	<p><a href="#">Sonicake QGT-01 Travel Guitar Quick Manual   Portable Acoustic-Electric Instrument</a></p> <p>Official quick manual for the Sonicake QGT-01 Travel Guitar. Learn about its features, assembly, controls, effects, and maintenance for this portable acoustic-electric instrument. Find troubleshooting tips and product specifications.</p>
 <p>Pocket Master Multi-Effects Processor ユーザー マニュアル www.sonicake.com</p>	<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>SONICAKE PORTAL User Guide and Circuit Schematics</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>User Manual Repeater www.gokko.com</p>	<p><a href="#">GOKKO GK-27 Repeater Looper User Manual</a></p> <p>Comprehensive user manual for the GOKKO GK-27 Repeater LOOPER guitar effect pedal, detailing product introduction, safety instructions, specifications, panel description, features, technical parameters, software support, and FCC compliance information.</p>