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› [EMG](#) /

› [EMG SA Active Single Coil Guitar Pickup Set \(Red\) Instruction Manual](#)

## EMG SA SET

# EMG SA Active Single Coil Guitar Pickup Set (Red) Instruction Manual

Model: SA SET

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your EMG SA Active Single Coil Guitar Pickup Set. The EMG SA pickups are designed to deliver a classic single-coil tone with enhanced midrange response and higher output, while eliminating unwanted noise.

Key features of the EMG SA Set include:

- **Active Circuitry:** Provides high output and low noise performance.
- **Alnico V Bar Magnets:** Contributes to bell-like harmonics, increased sustain, and a rich bottom end.
- **Internal Shielding and Low Impedance Preamp:** Ensures virtually noiseless operation without compromising true single-coil tone.
- **Creamy Mid-Range Warmth:** Ideal for clear, strong, and expressive blues tones.

## 2. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. The EMG SA Set typically utilizes a solderless wiring system for ease of installation. Refer to the included wiring diagram for specific connections.

### 2.1. Tools Required

- Small Phillips head screwdriver
- Wire cutters/strippers (if not using solderless connections exclusively)
- Soldering iron and solder (if modifying existing wiring or not using solderless connections)
- Multimeter (optional, for checking connections)
- 9-volt battery

### 2.2. Pre-Installation Check

Before beginning, ensure all components of your EMG SA Set are present and undamaged. This typically includes the three SA pickups, potentiometers, output jack, battery clip, and various connection cables.



**Image Description:** A collection of EMG active pickup wiring components, including potentiometers, an output jack, a battery clip, various color-coded cables with connectors, and a 5-way switch. These components facilitate a solderless installation for EMG active pickups.

### 2.3. Mounting the Pickups

1. Carefully remove the existing pickups from your guitar.
2. Place the EMG SA pickups into the pickup routes on your guitar's pickguard or body.
3. Secure the pickups using the provided screws, adjusting the height as desired. Initial height can be set to approximately 1/8 inch (3mm) from the strings when fretted at the last fret.



**Image Description:** Three red EMG SA active single coil guitar pickups are shown from an angled top-down perspective. Each pickup has the 'EMG' logo embossed on its cover. They are designed for electric guitars, offering a distinct aesthetic and active sound.

## 2.4. Wiring Connections

The EMG SA Set uses a solderless wiring system. Connect the pickups to the potentiometers, output jack, and battery clip according to the provided wiring diagram. Ensure all connections are secure and properly seated.

- Connect the pickup output cables to the input terminals on the volume potentiometer.
- Connect the tone potentiometers to the volume potentiometer and output jack as indicated.
- Connect the battery clip to the designated power input on the wiring harness.
- Ensure the output jack is correctly wired for stereo operation, as active pickups require power from the ring terminal.

## 2.5. Battery Installation

Active pickups require a 9-volt battery for operation. Install a fresh 9-volt battery into the battery clip. Secure the battery within the guitar's control cavity, ensuring it does not short against other components.

## 2.6. Initial Testing

After installation, plug your guitar into an amplifier. Test each pickup position and adjust volume and tone controls to ensure proper functionality. Listen for any unwanted noise or signal dropouts.

## 3. OPERATING YOUR EMG SA PICKUPS

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The EMG SA pickups are designed for straightforward operation. Once installed and powered, they provide a consistent, high-fidelity signal.

- **Volume and Tone Controls:** Use your guitar's standard volume and tone potentiometers to shape your sound. Active pickups often provide a wider range of usable tone control.
- **Pickup Selector:** Utilize your guitar's pickup selector switch to choose between individual pickups or combinations, exploring the various tonal characteristics of the SA set.
- **Power Consumption:** The pickups draw power from the 9-volt battery only when a cable is plugged into the output jack. Unplug your guitar when not in use to conserve battery life.

## 4. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your EMG SA pickups.

- **Cleaning:** Wipe the pickup covers with a soft, dry cloth to remove dust and grime. Avoid using abrasive cleaners or solvents.
- **Battery Replacement:** The 9-volt battery typically lasts for hundreds of hours of playing time. Replace the battery when you notice a decrease in output, loss of clarity, or distortion. Always use a fresh, high-quality alkaline 9-volt battery.
- **Connection Check:** Periodically inspect all solderless connections to ensure they are secure. If you used soldered connections, check for any cold solder joints.
- **Pickup Height Adjustment:** Experiment with pickup height to fine-tune your tone and output. Raising the pickups increases output and bass response, while lowering them reduces output and can enhance clarity.

## 5. TROUBLESHOOTING

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If you encounter issues with your EMG SA pickups, consult the following troubleshooting guide:

## 5.1. No Sound or Weak Output

- **Check Battery:** The most common cause. Replace with a fresh 9-volt battery.
- **Check Cable:** Ensure your guitar cable is fully inserted into the output jack and is functioning correctly.
- **Verify Connections:** Re-check all solderless connections for proper seating. If soldered, inspect for loose wires or cold solder joints.
- **Output Jack:** Ensure the output jack is correctly wired and not faulty.

## 5.2. Unwanted Noise or Hum

EMG active pickups are designed to be virtually noiseless. If you experience noise:

- **External Interference:** Move away from sources of electromagnetic interference (e.g., computer monitors, fluorescent lights, power transformers).
- **Grounding Issues:** While active pickups are less susceptible to traditional grounding hum, ensure all components are properly grounded according to the wiring diagram.
- **Faulty Cable/Amplifier:** Test with a different guitar cable and amplifier to rule out external equipment issues.

## 5.3. Poor or Inconsistent Tone

- **Battery Level:** A low battery can affect tone and dynamics. Replace the battery.
- **Pickup Height:** Adjust pickup height to find the optimal balance of output and tone.
- **Amplifier Settings:** Ensure your amplifier's EQ and gain settings are appropriate for the desired tone.
- **String Condition:** Old or corroded strings can significantly impact tone.

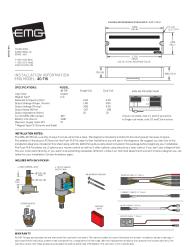
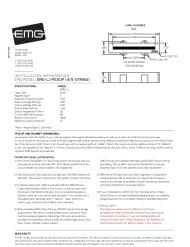
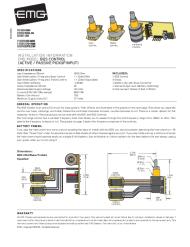
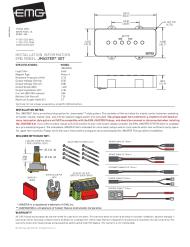
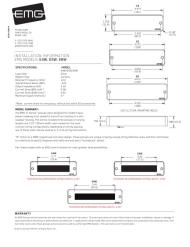
## 6. SPECIFICATIONS

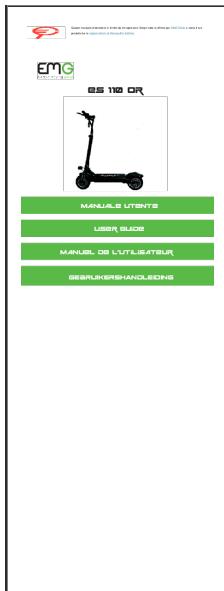
Specification	Detail
Model	SA SET
Color	Red
Pickup Type	Active Single Coil
Magnet Type	Alnico V Bar
Item Weight	15.7 ounces
Product Dimensions	7 x 3 x 5 inches
ASIN	B01FOHC36C
Date First Available	August 8, 2016

## 7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official EMG website. You can also find additional resources and contact information at

## Related Documents - SA SET

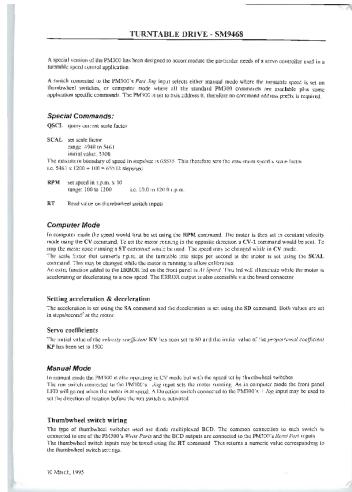
	<p><a href="#"><b>EMG 40-TW Active Bass Pickup Installation Guide and Specifications</b></a></p> <p>Comprehensive installation guide and technical specifications for the EMG 40-TW active bass pickup. This document details wiring diagrams, component descriptions, and warranty information, enabling users to install and configure the pickup for various tonal options.</p>
	<p><a href="#"><b>EMG-LJ Pickup Installation and Specifications</b></a></p> <p>Comprehensive guide for installing the EMG-LJ pickup for 4/5-string basses, covering specifications, wiring diagrams, and warranty information.</p>
	<p><a href="#"><b>EMG BQS Control Active Bass Preamp Installation and Operation Guide</b></a></p> <p>Comprehensive guide to installing and operating the EMG BQS Control active EQ preamp for bass guitars, including specifications, included components, general operation, battery power, dimensions, warranty, and detailed wiring diagrams for various configurations.</p>
	<p><a href="#"><b>EMG JMASTER* SET: Active Guitar Pickup Installation Guide</b></a></p> <p>This document provides comprehensive installation instructions and technical specifications for the EMG JMASTER* SET active guitar pickup system. Designed for Jazzmaster-style guitars, it includes detailed wiring diagrams for various configurations, a list of included components, general notes, and warranty information. Learn how to install and connect your JMASTER* SET pickups for optimal performance.</p>
	<p><a href="#"><b>EMG E-Series Bass Pickups: Installation Guide and Specifications</b></a></p> <p>Comprehensive installation instructions, wiring diagrams, specifications, and warranty information for EMG E4W, E5W, and E6W active soapbar bass pickups. Learn how to install these pickups in 4, 5, or 6-string instruments.</p>



## [Manuale Utente Monopattino Elettrico EMG ES 110 OR](#)

Guida utente completa per il monopattino elettrico EMG ES 110 OR. Copre configurazione, funzionamento, ricarica, manutenzione, specifiche tecniche e avvertenze di sicurezza per un uso ottimale e sicuro.

## Documents - EMG – SA SET

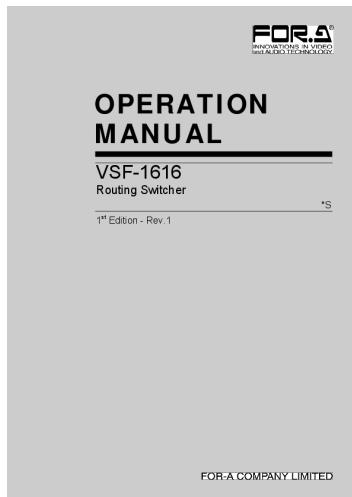


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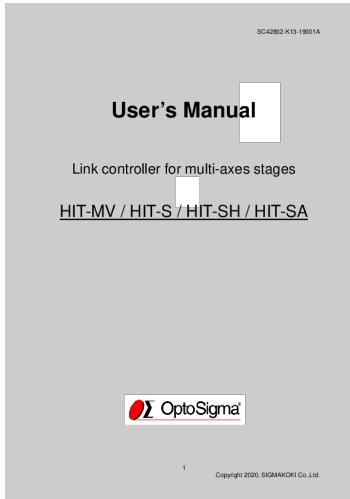
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**OPERATION MANUAL VSF-1616 Routing Switcher \*S 1st Edition - Rev.1**

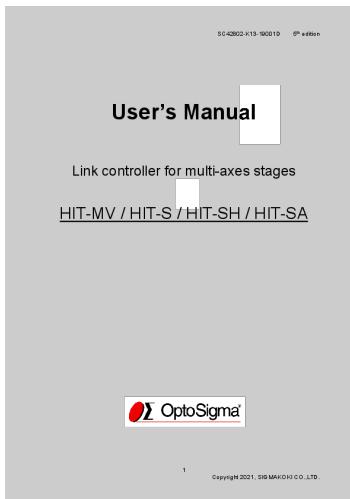
Precautions Important Safety Warnings Power Operate unit only on the specified supply voltage. Caution Disconnect power cord by connector only. Do not pull on cable portion. Do not place or drop heavy or sharp-edged objects on ...

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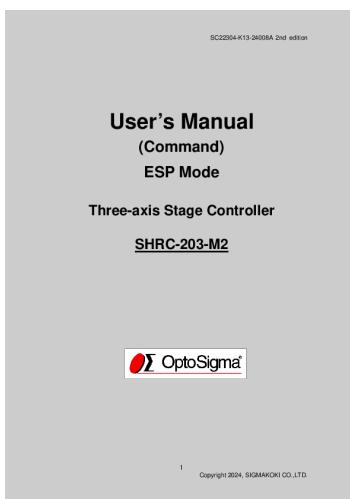
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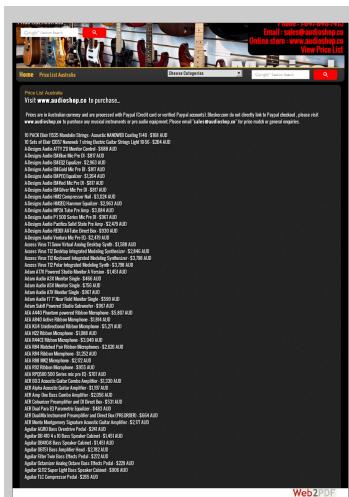
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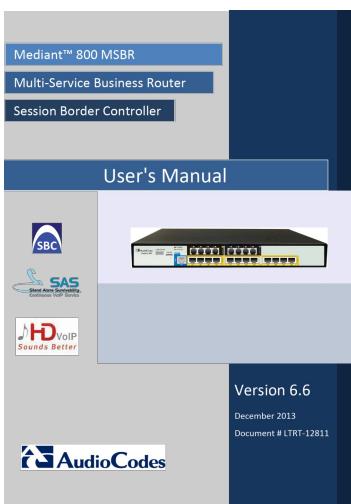
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Contents Table of Contents 1 Overview

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Contents Table of Contents 1 Overview

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19 ...

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