

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

[manuals.plus](#) /

› [EMG](#) /

› **EMG HZ H4 Passive Humbucker Pickup (Model EM907633) Instruction Manual**

EMG H4

EMG HZ H4 Passive Humbucker Pickup Instruction Manual

MODEL: H4 (EM907633)

Introduction

This manual provides essential information for the installation, operation, and maintenance of your EMG HZ H4 Passive Humbucker pickup. The H4 pickup is designed to deliver a well-balanced tone with tight bass response, glassy mids, and crunchy highs, making it suitable for various musical styles, particularly rock and heavy modern guitar sounds. Please read these instructions carefully before proceeding with installation or use.



Figure 1: EMG HZ H4 Passive Humbucker Pickup (Brushed Gold)

Setup and Installation

Proper installation is crucial for optimal performance. If you are unfamiliar with guitar electronics, it is recommended to seek assistance from a qualified guitar technician.

Required Tools and Materials:

- Soldering iron and solder
- Wire cutters/strippers
- Screwdrivers (Phillips and flathead)
- Multimeter (optional, for checking connections)
- EMG HZ H4 pickup and included wiring kit



Figure 2: Included Wiring Kit Components

Installation Steps:

- 1. Preparation:** Ensure your guitar is unplugged. Loosen and remove the strings. Carefully remove the old pickup(s) and associated wiring, noting their connections.
- 2. Mounting the Pickup:** Install the EMG HZ H4 pickup into the guitar's pickup cavity using the provided screws and springs. Adjust the pickup height to your preference; a good starting point is approximately 3/32" (2.4mm) from the bottom of the strings when fretted at the last fret.
- 3. Wiring:** Refer to the official EMG wiring diagrams for your specific guitar configuration (e.g., single humbucker, humbucker with volume/tone, multiple pickups). These diagrams are available on the official EMG website. The H4 uses standard passive humbucker wiring. Connect the hot wire to the volume pot, ground wire to the back of the pot, and ensure all components are properly grounded.
- 4. Testing:** Before reassembling, temporarily plug in your guitar and test the pickup. Check for sound output, proper volume/tone control function, and absence of excessive hum.
- 5. Reassembly:** Once confirmed working, secure all wiring, reattach the guitar strings, and tune your instrument.

For detailed wiring diagrams and specific configurations, please visit the official EMG website or consult the documentation included with your pickup.

Operating the Pickup

The EMG HZ H4 is a passive humbucker pickup, meaning it does not require a battery for operation. Its sound is shaped by the guitar's natural resonance, string vibration, and the amplifier settings.

- **Tone Characteristics:** The H4 is known for its powerful output, tight bass, clear and glassy mids, and articulate, crunchy highs. It excels in high-gain applications but also offers clarity for cleaner tones.
- **Pickup Height Adjustment:** Experiment with pickup height to fine-tune your tone. Lowering the pickup can result in a mellow sound with less output, while raising it increases output and can add aggression. Be careful not to raise it too high, as it can cause string pull and intonation issues.
- **Volume and Tone Controls:** Utilize your guitar's volume and tone potentiometers to further sculpt your sound. The H4 responds well to these controls, allowing for a wide range of tonal variations.

Maintenance

Maintaining your EMG HZ H4 pickup will ensure its longevity and consistent performance.

- **Cleaning:** Periodically wipe the pickup cover with a soft, dry, lint-free cloth to remove dust and grime. Avoid using abrasive cleaners or solvents, as these can damage the finish.
- **Inspection:** Regularly check the wiring connections for any signs of corrosion or loose solder joints. Ensure the mounting screws are snug but not overtightened.
- **Environmental Factors:** Protect your guitar and pickup from extreme temperatures and humidity, which can affect both the instrument and its electronic components.

Troubleshooting

If you encounter issues with your EMG HZ H4 pickup, consider the following common problems and solutions:

- **No Sound Output:**
 - Check all wiring connections for proper soldering and continuity.
 - Ensure the guitar cable is fully inserted into both the guitar and amplifier.
 - Verify amplifier settings and volume levels.
- **Weak or Intermittent Signal:**
 - Inspect solder joints for cold connections or breaks.
 - Check the output jack for loose connections or damage.
 - Ensure pickup height is not too low.
- **Excessive Hum or Noise:**
 - Verify all components are properly grounded.
 - Check for faulty shielding in the guitar's cavities.
 - Ensure no external electrical interference (e.g., fluorescent lights, computer monitors) is affecting the signal.
 - As a humbucker, the H4 is designed to reduce hum, but external factors can still introduce noise.

If these steps do not resolve the issue, consult a professional guitar technician.

Specifications

Model Name	H4
Item Model Number	EM907633
Type	Passive Humbucker
Magnet Type	Ceramic Bar Magnets
Tone Characteristics	Tight bass, glassy mids, crunchy highs, well-balanced
Item Weight	6.7 ounces (approx. 190 grams)
Product Dimensions	8 x 4 x 1 inches (approx. 20.3 x 10.2 x 2.5 cm)
ASIN	B00JDZBH3W
Date First Available	August 3, 2014

Warranty Information

EMG products are covered by a manufacturer's warranty against defects in materials and workmanship. For specific warranty terms, duration, and claim procedures, please refer to the official EMG website or the warranty card included with your product. Retain your proof of purchase for warranty service.

Customer Support

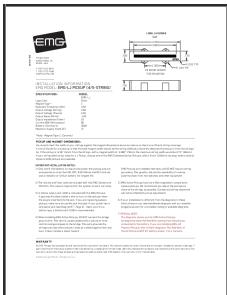
For further assistance, technical support, or inquiries regarding your EMG HZ H4 pickup, please contact EMG customer service through their official channels:

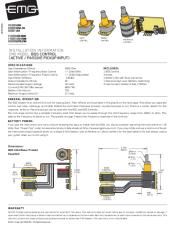
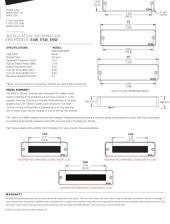
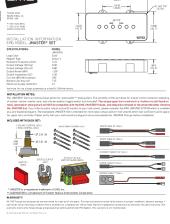
- Official Website:** Visit www.emgpickups.com for FAQs, wiring diagrams, and contact information.
- Contact Form/Email:** Available on the support section of the EMG website.
- Telephone Support:** Check the EMG website for current contact numbers.

When contacting support, please have your product model (H4) and any relevant purchase information ready.

© 2023 EMG. All rights reserved.

Related Documents - H4

	<p><u>EMG-LJ Pickup Installation and Specifications</u></p> <p>Comprehensive guide for installing the EMG-LJ pickup for 4/5-string basses, covering specifications, wiring diagrams, and warranty information.</p>
--	--

	<p>EMG BQS Control Active Bass Preamp Installation and Operation Guide</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>EMG 40-TW Active Bass Pickup Installation Guide and Specifications</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>EMG E-Series Bass Pickups: Installation Guide and Specifications</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>
	<p>Manuale Utente Monopattino Elettrico EMG ES 110 OR</p> <p>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.</p>
	<p>EMG JMASTER* SET: Active Guitar Pickup Installation Guide</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>