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**EMG 654330600074**

# EMG BQS Control Active/Passive Pickup Input Control User Manual

## INTRODUCTION

The EMG BQS Control is an advanced tone shaping system designed for both active and passive pickups in electric guitars and basses. It provides precise control over your instrument's sound with a 3-band equalizer. This unit is similar to the BQC Control, but features separate bass and treble controls, along with a concentric (stacked) mid-control. The potentiometers are center detented for easy return to a neutral setting, and the system includes 2 extra volume knobs for convenience.

## FEATURES

- **3-Band EQ:** Provides control over Bass, Mid, and Treble frequencies.
- **Separate Bass and Treble Controls:** Allows independent adjustment of low and high frequencies.
- **Concentric Mid-Control:** A stacked potentiometer for parametric control of mid-range frequencies.
- **Active/Passive Pickup Compatibility:** Designed to work seamlessly with both active and passive pickup systems.
- **Solderless (Quick-Connect) Version:** Facilitates easier installation without the need for soldering.
- **Center Detented Potentiometers:** Ensures easy identification of the neutral (flat) setting for each control.
- **Included Accessories:** Comes with 2 extra volume knobs.

## SETUP AND INSTALLATION

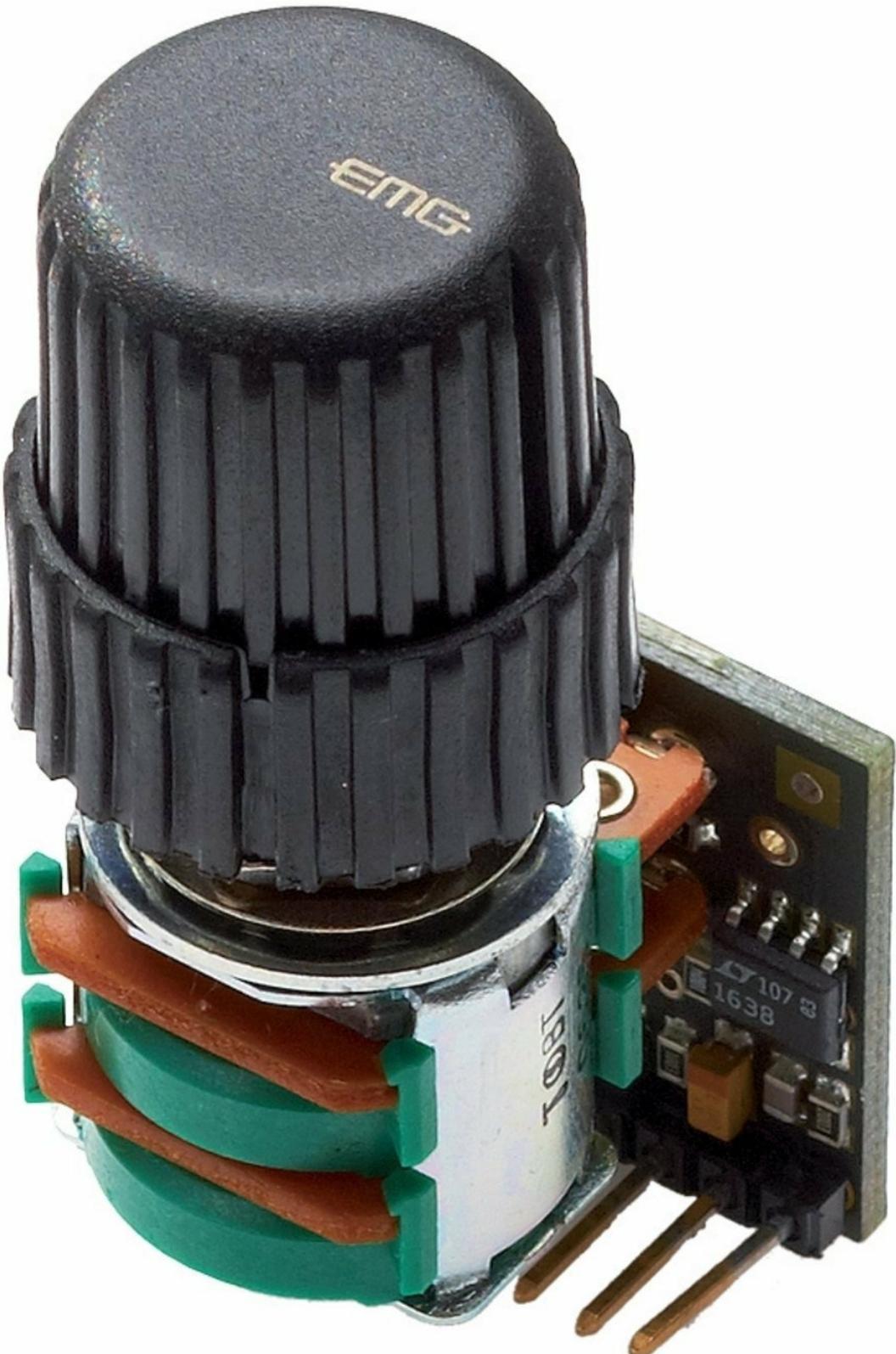
Installation of the EMG BQS Control involves integrating the module into your instrument's electronics cavity. Due to the sensitive nature of electronic components, it is recommended that installation be performed by a qualified technician if you are not experienced with guitar or bass wiring.

### General Installation Steps:

1. **Disconnect Power:** Always disconnect the instrument's power source (e.g., remove battery for active systems) before beginning any installation.
2. **Prepare Cavity:** Ensure there is adequate space within the instrument's control cavity for the BQS Control module and its potentiometers.
3. **Connect Pickups:** Utilize the solderless quick-connect system to attach your active or passive

pickups to the BQS Control module as per the wiring diagram provided with the product.

4. **Connect Output:** Connect the output of the BQS Control to your instrument's output jack.
5. **Power Connection:** For active systems, connect the battery clip to the designated power input on the module.
6. **Test Functionality:** Before reassembling, temporarily connect the instrument to an amplifier and test all controls to ensure proper operation.
7. **Secure Components:** Once verified, carefully secure the module and potentiometers within the cavity and reassemble the instrument.



This image displays the EMG BQS Control module, featuring three potentiometers and associated wiring for active/passive pickup input control. The quick-connect terminals are visible, indicating the solderless design.

## OPERATING INSTRUCTIONS

The EMG BQS Control provides intuitive tone shaping through its three potentiometers:

- **Bass Control:** Adjusts the low-frequency response of your instrument. Turning clockwise increases

bass, while turning counter-clockwise reduces it. The center detent indicates a neutral setting.

- **Treble Control:** Adjusts the high-frequency response. Turning clockwise increases treble, and counter-clockwise reduces it. The center detent indicates a neutral setting.
- **Mid-Control (Concentric):** This stacked knob allows for parametric control of the mid-range. The outer ring typically controls the mid-frequency level (boost/cut), while the inner knob selects the specific mid-frequency to be affected. Experiment with both controls to find your desired mid-range character. The center detent on the level control indicates a neutral setting.

All controls are designed to be highly responsive, allowing for subtle or dramatic changes to your instrument's tone. Start with all controls at their center detent positions and make small adjustments to achieve your desired sound.

## MAINTENANCE

The EMG BQS Control is a robust electronic component designed for durability. Minimal maintenance is required:

- **Keep Dry:** Protect the unit from moisture and extreme temperatures.
- **Clean Gently:** If cleaning is necessary, use a soft, dry cloth. Avoid abrasive cleaners or solvents.
- **Check Connections:** Periodically inspect the quick-connect wiring to ensure all connections are secure.
- **Battery Replacement (for Active Pickups):** If using active pickups, ensure the battery is fresh and properly connected. A weak battery can lead to degraded performance.

## TROUBLESHOOTING

If you encounter issues with your EMG BQS Control, consider the following troubleshooting steps:

- **No Sound or Weak Signal:**

- Check all quick-connect wiring for secure connections.
- If using active pickups, replace the battery with a fresh one.
- Ensure the instrument cable is fully inserted into both the instrument and amplifier.

- **Excessive Hum or Noise:**

- Verify proper grounding connections within the instrument.
- Ensure all components are shielded correctly within the cavity.
- Test with a different instrument cable or amplifier to rule out external factors.

- **Controls Not Functioning:**

- Confirm that the potentiometers are correctly wired to the module.
- Check for any loose connections or damaged wires.

If these steps do not resolve the issue, it is recommended to consult a qualified instrument technician or contact EMG customer support.

## SPECIFICATIONS

Specification	Detail
Item Model Number	654330600074

Specification	Detail
ASIN	B007TMCIAM
Item Weight	6.4 ounces
Product Dimensions	5 x 4 x 3 inches
Material Type	Synthetic
First Available Date	September 14, 2012

## **WARRANTY AND SUPPORT**

Warranty information for the EMG BQS Control is typically provided with the product packaging or can be found on the official EMG website. For technical support, wiring diagrams, or further assistance, please refer to the manufacturer's official resources or contact their customer service department directly. Always ensure you are using official documentation for specific wiring instructions relevant to your setup.