

Stetsom GAINCTL

# Stetsom 4in1 Universal Bass Knob (Model GAINCTL) User Manual

Voltmeter, Gain Control, On/Off Switch, High to RCA Input Converter

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Stetsom 4in1 Universal Bass Knob, Model GAINCTL. This device integrates four essential functions for your car audio system: a bass knob gain control, a built-in voltmeter, an amplifier on/off switch, and a high-to-RCA input converter. Please read this manual thoroughly before use to ensure proper functionality and safety.

## 2. PRODUCT FEATURES

- **Bass Knob Gain Control:** Allows precise adjustment of audio signal gain.
- **Built-in Voltmeter:** Displays system voltage with a blue LED, featuring a one-touch on/off display function.
- **On/Off Amplifier Switch:** Provides convenient remote control to power your amplifier on or off.
- **High to RCA Input Converter:** Converts high-level speaker outputs from factory head units to RCA signals for amplifier input.

## 3. PACKAGE CONTENTS

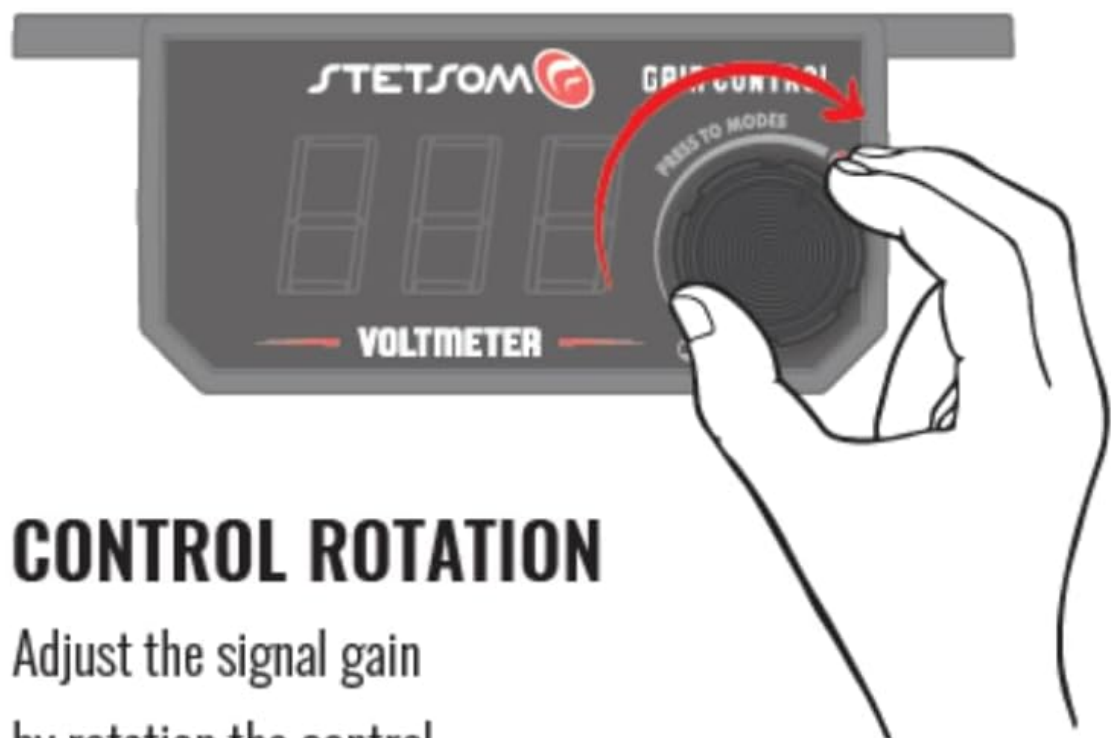
- Stetsom 4in1 Gain Control Unit
- Power Harness
- Audio Harness (High Input)

## 4. PRODUCT OVERVIEW

Familiarize yourself with the components and connections of the Stetsom 4in1 Universal Bass Knob.

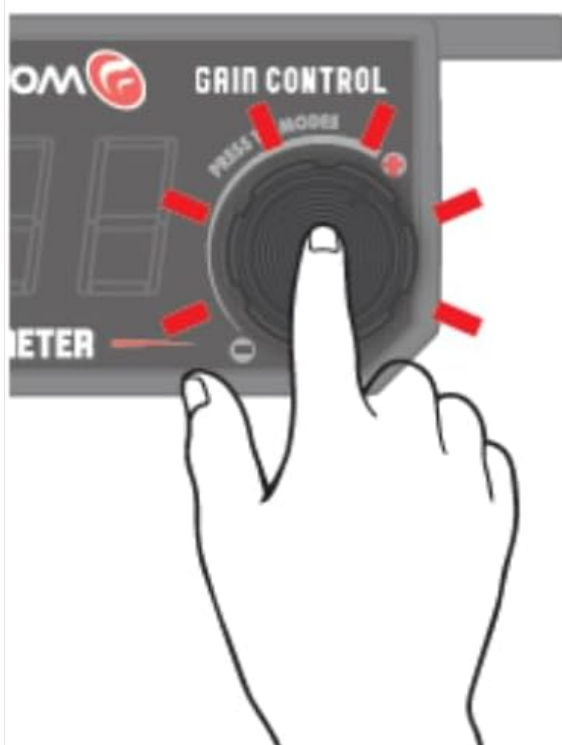
# Control Functionality

Use the rotary control to adjust the signal intensity and active/deactive the voltmeter and remote output functions.



## CONTROL ROTATION

Adjust the signal gain  
by rotation the control  
clockwise to increase or  
counterclockwise to decrease.



## TOUCH ON CONTROL

### PRESS AND RELEASE:

Turns the display on or off.

### PRESS AND HOLD:

Turns the REM OUT on or off.

**Image Description:** This diagram illustrates the front and rear components of the Stetsom Gain Control unit. The front features the digital display and the rotary control knob. The rear panel shows the RCA audio output, RCA audio input, and power/remote connections. A separate diagram details the wiring for the power harness (red for +12V, black for negative, green for remote input, blue for remote output) and the audio harness (blue for positive signal, gray for negative signal).



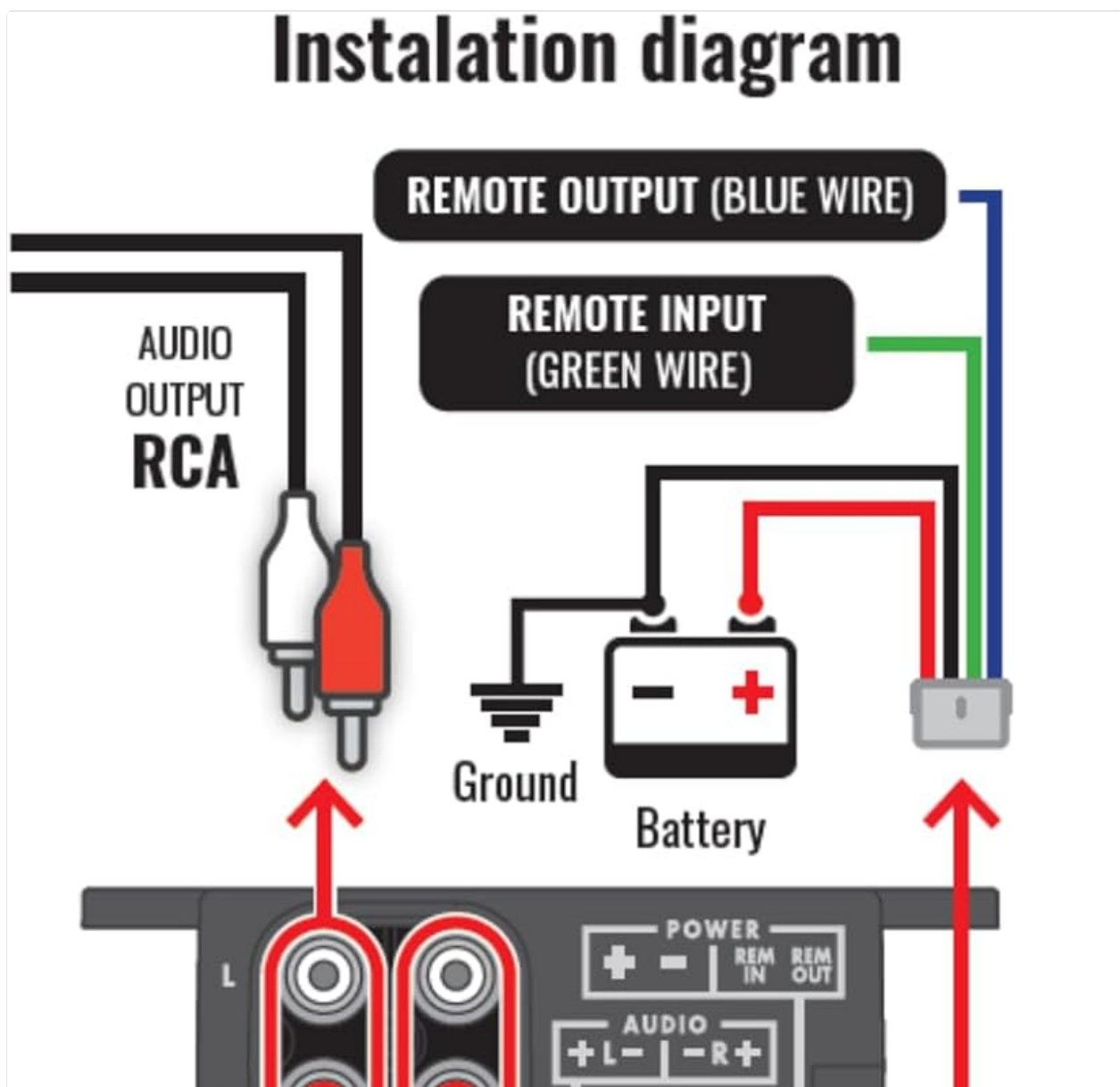
**Image Description:** A rear view of the Stetsom Gain Control unit, clearly showing the RCA input and output ports, as well as the power and remote wire terminals. Labels indicate 'POWER', 'REM IN', 'REM OUT', 'AUDIO IN', and 'AUDIO OUT' for proper connection identification.

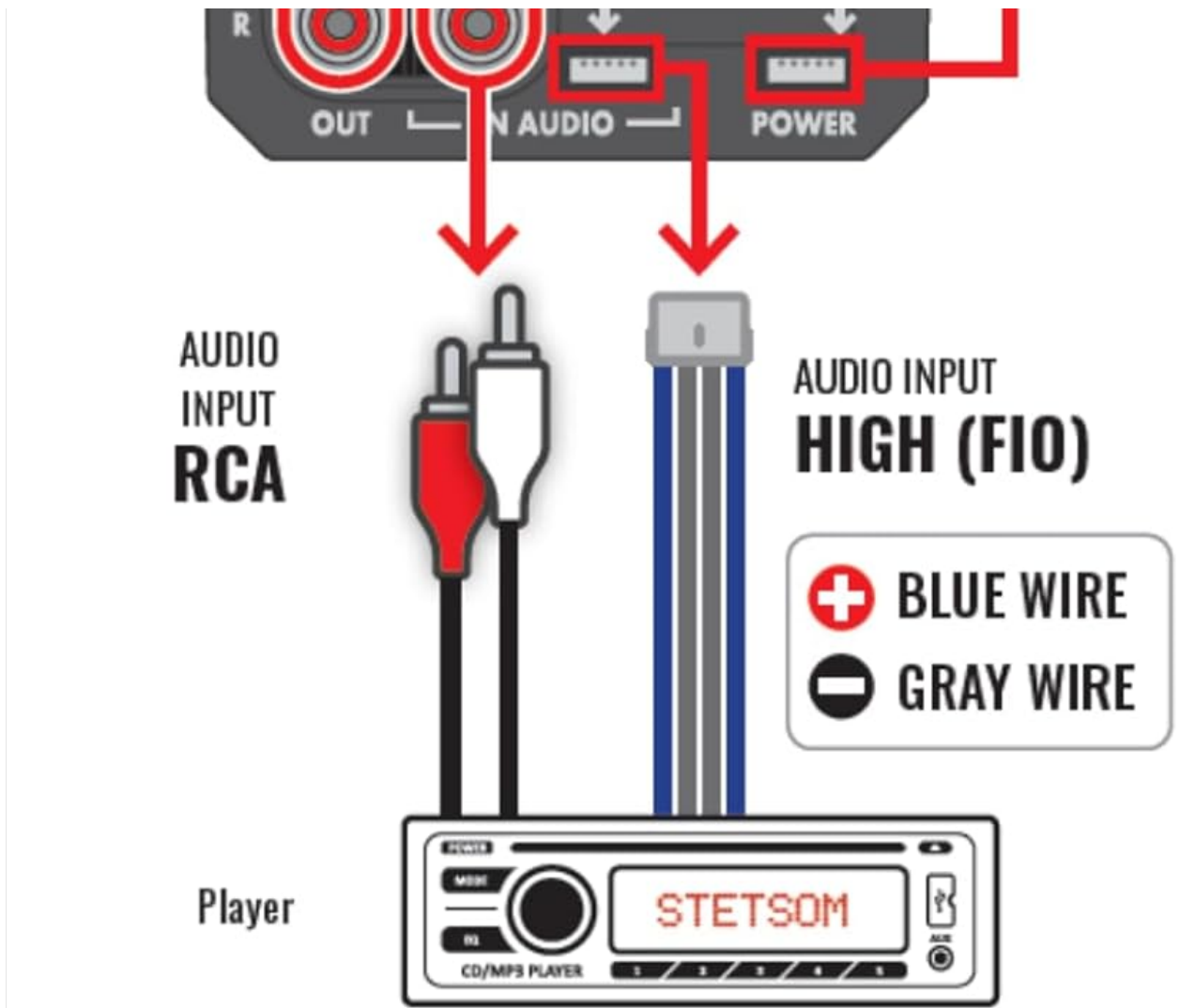
## 5. INSTALLATION

Proper installation is crucial for optimal performance. If you are unsure about any steps, consult a professional car audio installer.

## 5.1 Wiring Connections

1. **Power Connection:** Connect the red wire from the power harness to a +12V constant power source. Connect the black wire to a reliable ground point in your vehicle.
2. **Remote Input (REM IN):** Connect the green wire to the remote output of your head unit or another switched +12V source that turns on with your vehicle's ignition.
3. **Remote Output (REM OUT):** Connect the blue wire to the remote input of your amplifier(s). This allows the Stetsom unit to control your amplifier's power state.
4. **Audio Input (RCA or High-Level):**
  - **RCA Input:** If your head unit has RCA outputs, connect them directly to the 'IN AUDIO' RCA ports on the Stetsom unit.
  - **High-Level Input:** If your head unit only has speaker wire outputs, use the provided audio harness. Connect the blue wire of the audio harness to the positive (+) speaker wire and the gray wire to the negative (-) speaker wire from your head unit. These high-level inputs will be converted to RCA signals by the Stetsom unit.
5. **Audio Output (RCA):** Connect RCA cables from the 'OUT AUDIO' ports on the Stetsom unit to the RCA inputs of your amplifier.





**Image Description:** This diagram illustrates the complete wiring setup for the Stetsom Gain Control. It shows connections from the player (head unit) to the Stetsom unit via high-level audio input (blue and gray wires) or RCA input. The power harness connects to the car battery (ground, +12V, remote input, remote output). The remote output from the Stetsom unit connects to the amplifier's remote input, and the audio output RCAs connect to the amplifier's audio input.

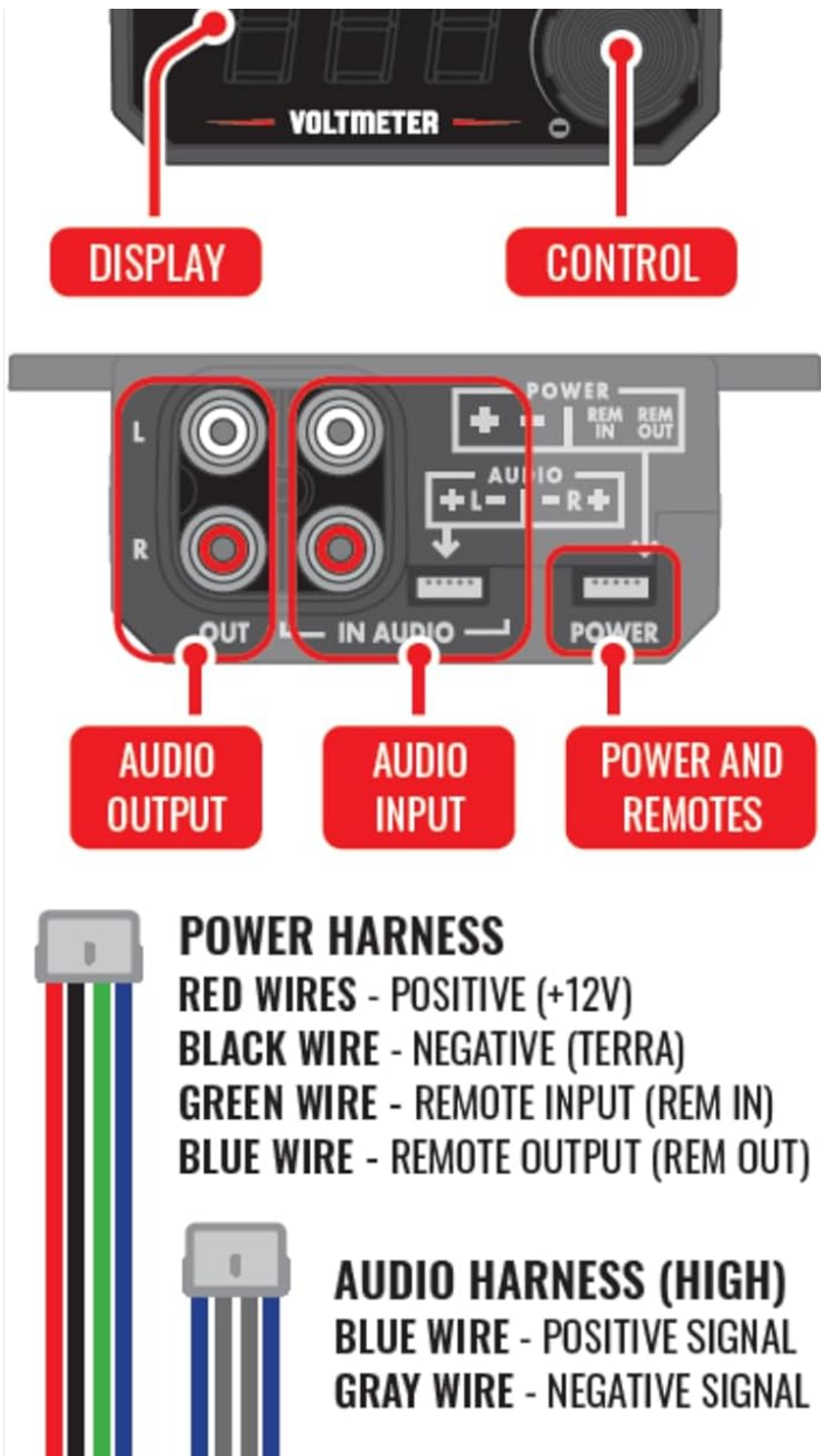
## 5.2 Mounting

Choose a convenient and accessible location for mounting the Stetsom 4in1 unit, such as under the dashboard or in the center console. Ensure the location allows for easy access to the control knob and clear visibility of the voltmeter display. Secure the unit using appropriate fasteners (not included) through the mounting tabs.

## 6. OPERATION

The Stetsom 4in1 unit offers intuitive control over your audio system.





**Image Description:** This diagram details the control functionality of the Stetsom Gain Control knob. It shows how rotating the knob adjusts the signal gain (clockwise to increase, counter-clockwise to decrease). It also illustrates the touch functions: a



quick press and release turns the display on or off, while a continuous press and hold turns the remote output (REM OUT) for the amplifier on or off.

### 6.1 Gain Control

Rotate the central knob to adjust the signal gain. Turning the knob clockwise will increase the audio signal intensity, while turning it counter-clockwise will decrease it. Adjust this to achieve your desired bass level without distortion.

### 6.2 Voltmeter Display

The blue LED display shows the current system voltage. To turn the display on or off, simply **press and release** the control knob once.

### 6.3 Amplifier On/Off Switch

To remotely turn your connected amplifier(s) on or off, **press and hold** the control knob for a few seconds. This will activate or deactivate the remote output (REM OUT) signal.

## 7. TROUBLESHOOTING

- **No Power/Display Off:**
  - Check all power and ground connections for secure contact.
  - Ensure the +12V constant power source is active.
  - Verify the remote input (green wire) is receiving a +12V signal when the vehicle is on.
  - Press and release the control knob to ensure the display is not simply turned off.
- **No Audio Output:**
  - Confirm all RCA audio input and output cables are securely connected.
  - If using high-level input, ensure the audio harness wires are correctly connected to the speaker outputs of your head unit (positive to positive, negative to negative).
  - Check that the amplifier is powered on (verify remote output signal).
  - Ensure the gain knob is not set to minimum.
- **Popping Sound When Vehicle Turns Off:**
  - This can sometimes occur due to the order of power-down. Try pressing and holding the control knob to turn off the amplifier (via REM OUT) before turning off your vehicle's ignition.
  - Ensure amplifier gains are set appropriately and not excessively high.
- **Incorrect Voltmeter Reading:**
  - Verify the power and ground connections are solid and free from corrosion.
  - Compare the reading with a separate multimeter to confirm accuracy.

## 8. SPECIFICATIONS

Feature	Specification
Product Dimensions	2.5 x 3.8 x 1.4 inches
Item Weight	2.75 ounces
Model Number	GAINCTL

Color	Black
Connector Type	RCA
Cable Type	RCA
Compatible Devices	Car Audio System, Gaming Console, Personal Computer




## 9. MAINTENANCE

The Stetsom 4in1 Universal Bass Knob requires minimal maintenance. Keep the unit clean by wiping it with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners. Ensure all connections remain secure and free from corrosion. Do not expose the unit to excessive moisture or extreme temperatures.




## 10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official Stetsom website. Keep your proof of purchase for any warranty claims.

### Related Documents - GAINCTL

	<p><a href="#">Stetsom DB3000 Digital Bass Amplifier User Manual</a></p> <p>Comprehensive user manual for the Stetsom DB3000 Digital Bass amplifier, covering installation, operation, troubleshooting, and technical specifications. Includes multilingual content in Portuguese, English, Spanish, and Italian.</p>
	<p><a href="#">Stetsom Bravo Bass 3K Digital Amplifier User Manual</a></p> <p>Comprehensive user manual for the Stetsom Bravo Bass 3K digital amplifier, covering installation, operation, troubleshooting, technical specifications, and warranty information.</p>
	<p><a href="#">Stetsom EX3000 Black Edition User Manual - High Performance Car Amplifier</a></p> <p>Comprehensive user manual for the Stetsom EX3000 Black Edition car amplifier. Learn about installation, operation, troubleshooting, technical specifications, and warranty.</p>



 The image shows the cover of the Stetsom Bravo Bass 8K Flex Impedance User Manual. It features the Stetsom logo at the top, followed by 'BRAVO BASS' in large, stylized letters, and '8K FLEX IMPEDANCE' below it. At the bottom, it says 'USER MANUAL'.	<p><a href="#">Stetsom Bravo Bass 8K Flex Impedance User Manual</a></p> <p>User manual for the Stetsom Bravo Bass 8K Flex Impedance amplifier, detailing installation, operation, troubleshooting, and technical specifications.</p>
 The image shows the cover of the Stetsom Vulcan 3000 Digital Amplifier User Manual. It features the Stetsom logo at the top, followed by 'VULCAN' in large, bold letters, and '3000 DIGITAL AMPLIFIER' below it. At the bottom, it says 'MANUAL DO USUÁRIO'.	<p><a href="#">Stetsom Vulcan 3000 Digital Amplifier User Manual</a></p> <p>User manual for the Stetsom Vulcan 3000 Digital Amplifier, covering installation, operation, troubleshooting, and technical specifications.</p>
 The image shows the cover of the STETSOM EX8000EQ Automotive Amplifier User Manual. It features the Stetsom logo at the top, followed by 'EXPORT LINE' and 'EX8000EQ' in large, bold letters. Below that, it says 'Amplifier Automotive'. At the bottom, it lists the languages: Portuguese, English, Español, and Italiano.	<p><a href="#">STETSOM EX8000EQ Automotive Amplifier User Manual</a></p> <p>Comprehensive user manual for the STETSOM EX8000EQ automotive amplifier, covering features, installation, troubleshooting, and technical specifications. Includes details on controls, connections, diagnostics, and warranty.</p>