

## Complete BGR-KIT4-R-PK1-3000W

# Complete Gravity 4 Gauge Amplifier Installation Wiring Kit User Manual

Model: BGR-KIT4-R-PK1-3000W

## 1. INTRODUCTION

This manual provides detailed instructions for the proper installation, operation, and maintenance of your Complete Gravity 4 Gauge Amplifier Installation Wiring Kit. This kit is designed to provide the necessary components for connecting an amplifier in various vehicles, including cars, trucks, motorcycles, RVs, and ATVs. Please read this manual thoroughly before beginning installation to ensure safe and optimal performance.

## 2. PRODUCT CONTENTS

Your Complete Gravity 4 Gauge Amplifier Installation Wiring Kit includes the following components:

- High Quality Thick 17 Feet (5.18 meters) 4 Gauge GA Power Cable
- Premium 3 Feet (0.91 meters) 4 Gauge GA Ground Cable
- Inline ANL Fuse Holder & 200A Fuse
- True Sound 17 Feet (5.18 meters) Double Shielded RCA Cable
- High Quality 17 Feet (5.18 meters) / 18 GA Turn-On Cable
- 20 Feet (6.1 meters) / 16 GA Speaker Wire
- All necessary accessories and terminals for installation



Image 2.1: Overview of the Complete Gravity 4 Gauge Amplifier Installation Wiring Kit components, including power cable, ground cable, RCA cable, speaker wire, turn-on cable, fuse holder, and various terminals.

### 3. SETUP AND INSTALLATION

Proper installation is crucial for the safety and performance of your car audio system. If you are unsure about any step, it is recommended to seek professional assistance.

#### 3.1. Safety Precautions

- Always disconnect the vehicle's negative battery terminal before starting any electrical work.
- Wear appropriate safety gear, including eye protection.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Route cables away from moving parts, sharp edges, and heat sources.

#### 3.2. Power Cable Installation

The 17-foot 4 gauge red power cable connects the amplifier to the vehicle's battery. Route this cable from the



battery to the amplifier location, typically through the firewall. Use a grommet to protect the cable where it passes through metal.



Image 3.1: The 17-foot 4 gauge red power cable, essential for delivering power to your amplifier.

### **3.3. Fuse Holder Placement**

Install the inline ANL fuse holder as close as possible to the vehicle's battery (within 18 inches is recommended) on the power cable. This protects the system from power surges and short circuits. Ensure the 200A fuse is correctly seated.



Image 3.2: The inline ANL fuse holder, designed to protect your amplifier and vehicle's electrical system.

### **3.4. Ground Cable Installation**

The 3-foot 4 gauge ground cable connects the amplifier to a clean, unpainted metal surface on the vehicle's chassis. Ensure the connection point is free of paint, rust, or debris for optimal conductivity.



Image 3.3: The 3-foot 4 gauge ground cable, used to establish a secure ground connection for the amplifier.

### **3.5. RCA Cable Connection**

Connect the 17-foot double shielded RCA cable from your head unit (or signal source) to the amplifier's input. Route RCA cables away from power cables to prevent noise interference.





Image 3.4: The 17-foot double shielded RCA cable, used for transmitting audio signals to the amplifier.

### **3.6. Speaker Wire Connection**

Use the 20-foot 16 gauge speaker wire to connect the amplifier's output to your speakers. Ensure correct polarity (+ to + and - to -) for each speaker.



Image 3.5: The 20-foot 16 gauge speaker wire, for connecting the amplifier to your speakers.

### **3.7. Turn-On Cable Connection**

Connect the 17-foot 18 gauge turn-on cable from your head unit's remote output to the amplifier's remote input. This cable signals the amplifier to turn on and off with your head unit.



Image 3.6: The 17-foot 18 gauge turn-on cable, used to remotely activate the amplifier.

### **3.8. Terminal Connections and Cable Management**

Utilize the provided terminals for secure connections to the battery, ground, and amplifier. Use the included zip ties to neatly bundle and secure cables, preventing damage and improving aesthetics.





Image 3.7: Various terminals included in the kit for secure electrical connections.



Image 3.8: Black zip ties for organizing and securing cables during installation.

### 3.9. Installation Overview Videos

The following videos provide a visual guide to amplifier wiring installation, demonstrating the use of similar 4-gauge kits. While specific components may vary slightly, the general principles and steps apply.

Video 3.9.1: An overview of a 4-gauge amplifier installation kit, showcasing the various components and their general appearance. This video is provided by Topstrongear.

Video 3.9.2: A demonstration of a 4AWG amplifier kit, highlighting the quality and features of the wiring components. This video is provided by ROCK DIRECT MFG.

## 4. SYSTEM OPERATION VERIFICATION

After completing the installation, follow these steps to verify proper system operation:

1. Double-check all wiring connections for tightness and correct polarity.
2. Ensure the fuse is properly seated in the fuse holder.
3. Reconnect the vehicle's negative battery terminal.

4. Turn on your vehicle's ignition and head unit. The amplifier should power on (indicated by an LED on the amplifier).
5. Test the audio system at a low volume level, gradually increasing it to ensure sound quality and proper function.

## 5. MAINTENANCE

Regular maintenance helps ensure the longevity and performance of your wiring kit:

- Periodically inspect all cable connections for corrosion or looseness. Clean and tighten as necessary.
- Check the fuse holder and fuse for any signs of damage or overheating. Replace the fuse with one of the same rating if it blows.
- Ensure cables remain securely fastened and are not rubbing against sharp edges or hot engine components.
- Keep the area around the amplifier and wiring clean and free of debris.

## 6. TROUBLESHOOTING

If you encounter issues after installation, refer to the following common problems and solutions:

### 6.1. Amplifier Not Turning On

- **Check the fuse:** Inspect the fuse in the inline fuse holder. If blown, replace it with a new 200A fuse. A repeatedly blown fuse indicates a short circuit or overload.
- **Verify power connection:** Ensure the 4 gauge power cable is securely connected to the battery and the amplifier's power terminal.
- **Verify ground connection:** Ensure the 4 gauge ground cable is securely connected to a clean, unpainted chassis point and the amplifier's ground terminal.
- **Check remote turn-on:** Ensure the 18 gauge turn-on cable is connected from the head unit's remote output to the amplifier's remote input and that the head unit is powered on.

### 6.2. No Sound or Distorted Sound

- **RCA cable connection:** Ensure the RCA cables are securely connected at both the head unit and amplifier, and are not damaged.
- **Speaker wire connection:** Verify all speaker wire connections at the amplifier and speakers are secure and have correct polarity.
- **Gain settings:** Check the amplifier's gain settings. Incorrect settings can lead to distortion.

## 7. SPECIFICATIONS

| Feature            | Specification         |
|--------------------|-----------------------|
| Brand              | Complete              |
| Model Number       | BGR-KIT4-R-PK1-3000W  |
| Manufacturer       | Gravity Kit Pro       |
| Power Cable Gauge  | 4 Gauge GA            |
| Power Cable Length | 17 Feet (5.18 meters) |



|                      |   |
|----------------------|---|
| Ground Cable Gauge   | 4 Gauge GA                                  |
| Ground Cable Length  | 3 Feet (0.91 meters)                        |
| Fuse Type            | ANL Fuse Holder with 200A Fuse              |
| RCA Cable Length     | 17 Feet (5.18 meters)                       |
| Speaker Wire Gauge   | 16 Gauge GA                                 |
| Speaker Wire Length  | 20 Feet (6.1 meters)                        |
| Turn-On Cable Gauge  | 18 Gauge GA                                 |
| Turn-On Cable Length | 17 Feet (5.18 meters)                       |
| Item Weight          | 3.13 pounds (1.42 kg)                       |
| Product Dimensions   | 4 x 7 x 10 inches (10.16 x 17.78 x 25.4 cm) |

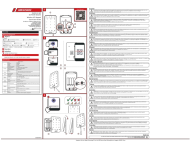
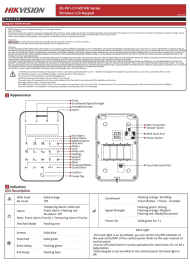
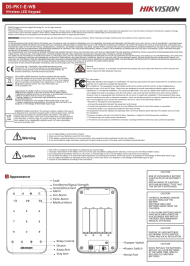
## 8. WARRANTY INFORMATION




Specific warranty details for the Complete Gravity 4 Gauge Amplifier Installation Wiring Kit are not provided in the product information. For warranty claims or inquiries, please refer to the retailer's return policy or contact the manufacturer directly. It is recommended to retain your proof of purchase for any warranty-related issues.

## 9. SUPPORT

For further assistance, technical support, or questions regarding your Complete Gravity 4 Gauge Amplifier Installation Wiring Kit, please contact the manufacturer or your point of purchase. Always refer to your amplifier's specific instruction manual for detailed connection diagrams and settings.

### Related Documents - BGR-KIT4-R-PK1-3000W

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|---|--|
|  | <p><a href="#">Hikvision Wireless LED Keypad DS-PK1-E-WE Quick Start Guide</a></p> <p>This guide provides instructions for the installation and operation of the Hikvision Wireless LED Keypad DS-PK1-E-WE. It covers enrollment, installation, specifications, and troubleshooting.</p> |
|  | <p><a href="#">Hikvision DS-PK1-LT-WE/WB Wireless LCD Keypad User Manual</a></p> <p>User manual for the Hikvision DS-PK1-LT-WE/WB Wireless LCD Keypad, covering appearance, indication, enrollment, installation, commands, and specifications.</p>                                      |
|  | <p><a href="#">Hikvision DS-PK1-E-WB Wireless LED Keypad User Manual</a></p> <p>User manual for the Hikvision DS-PK1-E-WB Wireless LED Keypad, detailing its features, operation, enrollment, installation, commands, and specifications.</p>  |

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|   | <p><a href="#"><u>Hikvision DS-PK1-LT-WE Wireless LCD Keypad Quick Start Guide</u></a></p> <p>This document provides a quick start guide for the Hikvision DS-PK1-LT-WE Wireless LCD Keypad, covering its appearance, enrollment, installation, specifications, and user manual information. It is designed for security system installers and users.</p> |
|  | <p><a href="#"><u>BOSS IR-200 Sound List: Amps, Cabinets, and Effects</u></a></p> <p>Comprehensive sound list for the BOSS IR-200 Amp &amp; IR Cabinet simulator, detailing all available amp models, cabinet impulse responses (IRs), microphone types, and ambience effects.</p>  |
|  | <p><a href="#"><u>Hikvision DS-PK1-E-WA Wireless LED Keypad User Manual</u></a></p> <p>User manual for the Hikvision DS-PK1-E-WA Wireless LED Keypad, detailing its appearance, functions, specifications, enrollment, installation, and safety precautions.</p>  |