

## Elite Audio EA-PROK8

# Elite Audio EA-PROK8 8 Gauge Pro Amplifier Wiring Kit Instruction Manual

Brand: Elite Audio | Model: EA-PROK8

## INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your Elite Audio EA-PROK8 8 Gauge Pro Amplifier Wiring Kit. This kit is designed to provide efficient power delivery and clear audio signal transfer for your car audio system. Please read all instructions carefully before beginning installation.

## WHAT'S IN THE BOX

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Your Elite Audio EA-PROK8 kit includes the following components:

- 17 feet of 8-gauge 100% tinned copper power cable
- 3 feet of 8-gauge 100% tinned copper ground cable
- 20 feet of 16-gauge 100% tinned copper speaker wire
- 17 feet of 2-channel 100% tinned OFC RCA cables
- 17 feet of remote turn-on wire
- Solid brass ANL fuse and holder
- Quad brass connectors
- 8 GA ring copper terminals and ferrules
- Heat shrink tubes
- Butt connectors
- Spade terminals
- Zip ties



Image: All components included in the Elite Audio EA-PROK8 Pro Amplifier Wiring Kit.

## SETUP AND INSTALLATION

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

### 1. Planning Your Installation

- Determine the mounting location for your amplifier. Ensure it is in a dry, well-ventilated area, away from heat sources and moving parts.
- Plan the routing of all cables (power, ground, RCA, speaker, remote) to avoid interference and ensure sufficient length.

### 2. Power Cable Installation

# 17FT POWER CABLE

ENSURES EFFICIENT POWER TRANSFER  
AND REDUCED SIGNAL LOSS



-  Durable construction
-  Corrosion resistant
-  High power transfer
-  Easy installation

*Image: The 17-foot 8-gauge tinned copper power cable, designed for efficient power transfer.*

- Disconnect the negative terminal of your vehicle's battery before starting.
- Route the 17-foot 8-gauge power cable from the battery to the amplifier location. Use the provided grommets when passing through the firewall to protect the cable from sharp edges.
- Install the ANL fuse holder within 18 inches of the battery's positive terminal. Connect the power cable to one side of the fuse holder and a shorter length of power cable (not included, use from the kit if needed) to the other side, leading to the battery's positive terminal.

### 3. Ground Cable Installation

# 3FT POWER & GROUND WIRE

ENSURES STABLE AND EFFICIENT POWER DELIVERY



*Image: The 3-foot 8-gauge tinned copper wire, suitable for grounding the amplifier.*

- Route the 3-foot 8-gauge ground cable from 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.
- Secure the ground cable using a ring terminal and a self-tapping screw.

## 4. RCA Cable Installation

# CLEAR SIGNAL **TRANSFER**

20FT. 2-CH 100% TINNED OFC RCA CABLES



**Premium Sound Quality**  
Ensures crisp, clear audio transmission.

**Durable Build**  
High-quality materials for long-lasting performance.

*Image: The 17-foot 2-channel tinned OFC RCA cables for clear signal transfer.*

- Route the 17-foot 2-channel RCA cables from your head unit (source) to the amplifier. Avoid running RCA cables parallel to power cables to prevent noise interference.

## **5. Remote Turn-On Wire Installation**

# 17FT REMOTE WIRE

SIMPLIFIES YOUR CAR AUDIO SYSTEM SETUP



High-quality insulation



Reliable signal transmission



Tangle-free design



Efficient power control



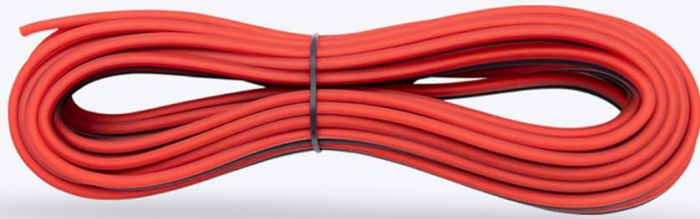
*Image: The 17-foot remote turn-on wire, used to activate the amplifier with the head unit.*

- Route the 17-foot remote turn-on wire from your head unit's remote output to the amplifier's remote input. This wire tells the amplifier when to turn on and off with your head unit.

## 6. Speaker Wire Installation

# 20FT SPEAKER WIRE

DURABLE AND FLEXIBLE FOR OPTIMAL SOUND QUALITY



Durable construction



Superior sound quality



Reduced signal loss



Easy installation

*Image: The 20-foot 16-gauge tinned copper speaker wire for connecting speakers to the amplifier.*

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

## 7. Final Connections and Testing

- Use the provided terminals, heat shrink, and zip ties to secure all connections and organize wiring.
- Once all connections are made, reconnect the negative terminal of your vehicle's battery.
- Turn on your head unit and check if the amplifier powers on. Test your audio system for proper functionality and sound quality.

## Installation Videos

*Video: Elite Audio PRMK Series Amplifier Kits Overview. This video provides a general overview of the amplifier kits in the PRMK series, which includes the EA-PROK8 model.*

*Video: BOSS Audio KIT2 8 Gauge Amplifier Installation Wiring Kit. While from a different brand, this video demonstrates general installation steps for an 8-gauge amplifier wiring kit.*

## OPERATING YOUR AMPLIFIER SYSTEM

Once installed, your amplifier system should operate automatically with your head unit. Adjust amplifier gain settings according to your head unit's output and speaker sensitivity to achieve desired sound levels without distortion. Refer to your amplifier's specific manual for detailed gain adjustment procedures.

## MAINTENANCE

Regular maintenance ensures the longevity and performance of your wiring kit and audio system.

### 1. Fuse Inspection and Replacement

# MINI ANL FUSE HOLDER

ENSURES EFFICIENT POWER TRANSFER  
AND REDUCED SIGNAL LOSS



**Compact design**

**High conductivity**

**Durable construction**

**Reliable circuit protection**

*Image: The Mini ANL Fuse Holder, ensuring efficient power transfer and circuit protection.*

- Periodically check the ANL fuse in the fuse holder near your battery. If your amplifier stops receiving power, the fuse may have blown.
- To replace, disconnect the battery, open the fuse holder, and replace the blown fuse with a new one of the same amperage rating.

### 2. Cable Integrity

- Inspect all cables for signs of wear, fraying, or damage. Ensure all connections remain tight and secure.
- Keep cables away from sharp objects, excessive heat, and moisture.

## TROUBLESHOOTING

If you encounter issues with your audio system, consider the following:

- **No Power to Amplifier:** Check the ANL fuse. Ensure battery connections are secure and the remote turn-on wire is properly connected and receiving signal.
- **No Sound:** Verify all RCA and speaker wire connections. Check amplifier settings (gain, crossover). Ensure head unit is functioning correctly.
- **Distorted Sound:** Adjust amplifier gain settings. Check for proper grounding. Ensure speaker impedance matches amplifier output.
- **Engine Noise/Whine:** Re-route RCA cables away from power cables. Ensure all ground connections are clean and secure.

## SPECIFICATIONS

Feature	Specification
Model Number	EA-PROK8
Gauge	8 Gauge
Max Power Handling	2500 Watts
Power Cable Length	17 feet
Ground Cable Length	3 feet
Speaker Wire Length	20 feet
RCA Cable Length	17 feet
Remote Wire Length	17 feet
Material	100% Tinned Copper (OFC)
Fuse Type	ANL Fuse Holder
Item Dimensions (L x W x H)	12.9 x 10 x 1.6 inches
Item Weight	3.19 pounds

## WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your product packaging or visit the official Elite Audio website. Keep your purchase receipt as proof of purchase.