

Manuals+

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

manuals.plus /

› [CT Sounds](#) /

› [CT Sounds 4 Gauge CCA Complete Amp Wiring Install Kit \(AMPKIT-4GA-PRO\) Instruction Manual](#)

CT Sounds AMPKIT-4GA-PRO

CT Sounds 4 Gauge CCA Complete Amp Wiring Install Kit

MODEL: AMPKIT-4GA-PRO

Brand: CT Sounds

Introduction

This instruction manual provides comprehensive guidance for the proper installation, operation, and maintenance of your CT Sounds 4 Gauge CCA Complete Amp Wiring Install Kit (AMPKIT-4GA-PRO). Please read this manual thoroughly before beginning installation to ensure safe and optimal performance of your car audio system. This kit is designed to provide reliable power and signal transfer for systems rated up to 1500 Watts.

Package Contents

Your CT Sounds AMPKIT-4GA-PRO includes the following components:

- 17 FT - 4 Gauge CCA Power Wire (Red)
- 3 FT - 4 Gauge CCA Ground Wire (White)
- 17 FT - 14 Gauge CCA Speaker Wire (Red/White)
- 17 FT - 2-Channel OFC RCA Cable (Red/White)
- ANL1 Fuse Holder with 100A Fuse
- 5.9 FT - Black Split Loom
- 2x 4GA Ring Terminals
- 4x 14GA Spade Terminals
- 2x 4GA PVC Terminal Jackets (Red/White)
- 4x 14GA PVC Terminal Jackets (Red/White)
- 2x Rubber Grommets
- 10x Plastic Zip Ties



Image: All components of the CT Sounds 4 Gauge CCA Complete Amp Wiring Install Kit (AMPKIT-4GA-PRO) including power wire, ground wire, RCA cables, speaker wire, fuse holder, and accessories.

Product Features

The AMPKIT-4GA-PRO is engineered for optimal performance and ease of installation:

- **High-Quality CCA Wiring:** Copper Clad Aluminum (CCA) wires provide a balance of conductivity and flexibility, suitable for systems up to 1500 Watts.
- **OFC RCA Cables:** Oxygen-Free Copper (OFC) RCA cables ensure clear signal transfer with minimal interference.
- **Comprehensive Kit:** Includes all necessary wires, terminals, and accessories for a complete amplifier installation.
- **ANL Fuse Holder:** Features a robust ANL1 fuse holder with a 100A fuse for critical circuit protection.
- **Flexible Insulation:** Wires are designed with flexible insulation for easy routing through vehicle interiors.

AMPKIT-4GA-PRO

4 Gauge 1250 Watt Amplifier Wiring Kit

Copper Clad Aluminum



Image: Overview of the CT Sounds AMPKIT-4GA-PRO, highlighting its 4 Gauge CCA wiring for up to 1250 Watts.

Safety Information

Always prioritize safety during installation. Improper wiring can lead to electrical fires, damage to your vehicle, or personal injury. If you are unsure about any step, consult a professional installer.

- Disconnect the vehicle's negative battery terminal before starting any electrical work.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Route wires away from moving parts, sharp edges, and heat sources.
- Use the provided fuse holder and fuse to protect your amplifier and vehicle's electrical system.
- Wear appropriate personal protective equipment (PPE) such as safety glasses and gloves.

Installation Guide

Follow these steps for a successful installation of your amplifier wiring kit:

1. **Mount the Fuse Holder:** Install the ANL fuse holder as close as possible to the vehicle's battery (within 18 inches is recommended). Ensure it is mounted securely to a clean, dry surface.
2. **Run the Power Wire:** Connect the red 4 Gauge power wire to the positive terminal of your vehicle's battery. Route the power wire through the firewall into the vehicle's interior, using the provided rubber grommet to protect the wire from sharp edges. Continue routing the wire to the amplifier's mounting location.
3. **Run the Ground Wire:** Connect the white 4 Gauge ground wire from the amplifier's ground terminal 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. The ground wire should be as short as possible, ideally less than 3 feet.
4. **Install the RCA Cables:** Route the 2-Channel OFC RCA cables from your head unit (source unit) to the amplifier. Avoid running RCA cables parallel to power wires to prevent noise interference.

5. **Run the Speaker Wire:** Route the 14 Gauge speaker wire from the amplifier's speaker outputs to your speakers. Ensure correct polarity (+ to + and - to -) for each speaker.
6. **Connect the Remote Turn-On Wire:** Connect the remote turn-on wire from your head unit's remote output to the amplifier's remote input. This wire signals the amplifier to turn on and off with your head unit.
7. **Final Connections and Testing:** Double-check all connections for tightness and proper insulation. Insert the 100A fuse into the ANL fuse holder. Reconnect the vehicle's negative battery terminal. Turn on your head unit and test the audio system.

POWER WIRE

GROUND WIRE



Image: The 17-foot red 4 Gauge CCA power wire and 3-foot white 4 Gauge CCA ground wire, both pre-terminated with ring terminals for easy connection to the battery and chassis.

 RCA WIRE

 SPEAKER WIRE

 REMOTE WIRE



Image: The 17-foot 2-channel OFC RCA cable, 17-foot 14 Gauge CCA speaker wire, and 17-foot remote turn-on wire, essential for signal and control connections.



Image: The ANL1 fuse holder, designed to house the included 100A fuse, providing crucial overcurrent protection for the amplifier and vehicle's electrical system.



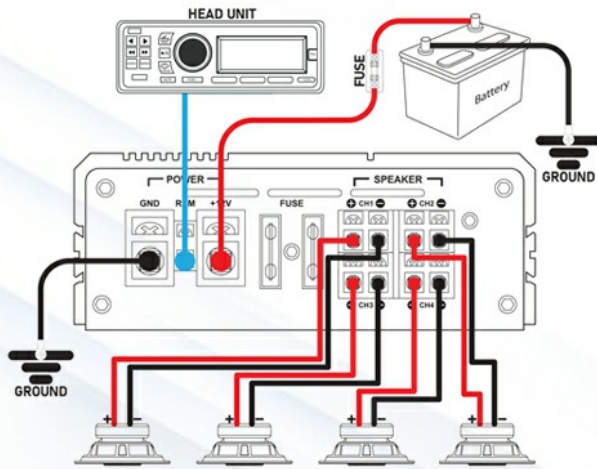
Image: Various installation accessories including black split loom for wire protection, ring terminals, spade terminals, PVC terminal jackets, rubber grommets, and plastic zip ties for neat and secure wiring.

Wiring Configuration Examples

Below are typical wiring configurations for different amplifier types. Always refer to your amplifier's specific manual for detailed wiring diagrams.

WIRING CONFIGURATION

4-CHANNEL AMPLIFIERS



MONOBLOCK AMPLIFIERS

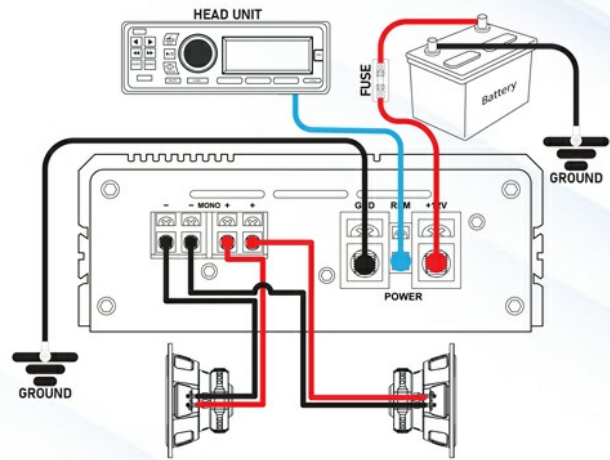


Image: Diagrams illustrating typical wiring setups for both 4-channel and monoblock amplifiers, showing connections to the head unit, battery, fuse, speakers, and ground.

Related Installation Videos

These videos provide additional visual guidance for amplifier wiring installations. Please note that specific components or brands shown may vary.

Your browser does not support the video tag.

Video: Overview of the RECOIL RCK44 4 Gauge 4-Channel CCA Amplifier Wiring Kit, demonstrating its components and flexibility.

Your browser does not support the video tag.

Video: A detailed look at the DS18 Complete 4 Gauge CCA Amplifier Installation Wiring Kit, showcasing its various cables and accessories.

Operating Instructions

Once your amplifier wiring kit is correctly installed, operating your audio system is straightforward:

- Ensure your vehicle's battery is fully charged.
- Turn on your head unit. The remote turn-on wire will activate your amplifier automatically.
- Adjust the gain settings on your amplifier according to the manufacturer's recommendations and your head unit's output level. Avoid setting the gain too high, as this can lead to distortion and potential damage to your speakers or amplifier.
- Enjoy your enhanced car audio experience.

Maintenance

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

- Periodically inspect all wiring connections for tightness and corrosion. Clean any corroded terminals.

- Check the fuse in the ANL fuse holder. If it's blown, replace it with a fuse of the same amperage rating (100A). Never use a fuse with a higher rating.
- Ensure wires are not pinched or exposed to excessive heat or moisture.
- Keep the amplifier and wiring free from dust and debris.

Troubleshooting

If you encounter issues with your audio system after installation, consider the following common problems and solutions:

- **No Power to Amplifier:** Check the ANL fuse. Ensure the power and ground wires are securely connected. Verify the remote turn-on wire is receiving a signal from the head unit.
- **No Sound:** Check RCA cable connections at both the head unit and amplifier. Verify speaker wire connections and polarity. Ensure amplifier gain settings are not set to minimum.
- **Distorted Sound:** Reduce amplifier gain settings. Check for proper grounding. Ensure speaker wires are not shorting.
- **Engine Noise/Whining:** Reroute RCA cables away from power wires. Ensure proper grounding of the amplifier and head unit.

Specifications

Item Weight	2.94 pounds
Package Dimensions	8.58 x 7.56 x 3.15 inches
Item Model Number	AMPKIT-4GA-PRO
ASIN	B06XVCDNDC
Date First Available	March 25, 2017

Warranty and Support

CT Sounds products are designed for durability and performance. For specific warranty information and technical support, please refer to the official CT Sounds website or contact their customer service directly. Keep your proof of purchase for any warranty claims.