

## Alpine EL-E65C

# Alpine EL-E65C E-Series 6.5-inch 2-Way Component Speakers User Manual

Model: EL-E65C

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## 1. INTRODUCTION

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Thank you for choosing Alpine E-Series EL-E65C 6.5-inch 2-Way Component Speakers. These speakers are designed to deliver high-quality audio reproduction in your vehicle. This manual provides essential information for proper installation, operation, and maintenance to ensure optimal performance and longevity of your product.



Image 1.1: Alpine EL-E65C Component Speaker System Overview

## 2. SAFETY INFORMATION

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Please read all safety instructions carefully before installation and operation. Failure to follow these guidelines may result in injury or damage to the product or vehicle.

- **Professional Installation Recommended:** Due to the complexity of car audio systems, professional installation is highly recommended.
- **Electrical Safety:** Disconnect the vehicle's battery negative terminal before beginning any electrical work to prevent short circuits.
- **Wiring:** Ensure all wiring is correctly routed and secured to prevent pinching, chafing, or interference with vehicle operations. Use appropriate gauge wire for connections.
- **Volume Levels:** Prolonged exposure to high volume levels can cause hearing damage. Adjust volume to a safe and comfortable level.
- **Ventilation:** Ensure speakers are installed in locations that allow for proper ventilation to prevent overheating.

## 3. PACKAGE CONTENTS

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Verify that all items are present in the package before proceeding with installation:

- 6.5-inch Woofers (2 units)
- Tweeters (2 units)
- External Crossovers (2 units)
- Mounting Hardware (screws, clips, grilles)
- Instruction Manual (this document)



Image 3.1: EL-E65C Woofer and Tweeter Components

## 4. SETUP & INSTALLATION

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

### 4.1. Planning the Installation

- **Location:** Identify suitable mounting locations for the 6.5-inch woofers (typically door panels) and tweeters (dash, A-pillars, or door panels).
- **Clearance:** Ensure sufficient mounting depth and clearance for both the woofers and tweeters.
- **Wiring Path:** Plan the routing of speaker wires from the amplifier/head unit to the crossover, and then to the woofers and tweeters, avoiding sharp edges and moving parts.



Image 4.1: Example Woofer Installation in a Car Door

## 4.2. Wiring Connections

The EL-E65C is a 2-way component system, requiring external crossovers to separate audio frequencies for the woofer and tweeter.

1. **Crossover Input:** Connect the speaker output from your amplifier or head unit to the INPUT terminals of the passive crossover. Observe correct polarity (+ to + and - to -).
2. **Woofer Connection:** Connect the WOOFER output terminals of the crossover to the corresponding terminals on the 6.5-inch woofer.
3. **Tweeter Connection:** Connect the TWEETER output terminals of the crossover to the corresponding terminals on the tweeter.
4. **Secure Connections:** Ensure all connections are tight and insulated to prevent short circuits and signal loss.

Refer to the specific wiring diagram provided with your product packaging for detailed connection points and polarity markings.



Image 4.2: Alpine EL-E65C Woofer Front View

## 5. OPERATING INSTRUCTIONS

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Once installed, the Alpine EL-E65C speakers operate as part of your vehicle's audio system. Their performance is directly influenced by the quality of the audio source and the settings of your head unit or amplifier.

- **Initial Power-Up:** After installation, reconnect the vehicle battery. Turn on your head unit at a low volume.
- **Sound Check:** Gradually increase the volume and check for clear audio from all speakers. Listen for any distortion or unusual noises.
- **Audio Settings:** Adjust the equalizer, balance, and fader settings on your head unit or amplifier to achieve your preferred sound profile. Avoid excessive bass or treble boost that can lead to distortion.
- **Break-in Period:** Allow a break-in period of several hours of normal listening for the speaker components to fully settle and achieve their optimal sound characteristics.

## 6. MAINTENANCE

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The Alpine EL-E65C speakers require minimal maintenance to ensure long-term performance.

- **Cleaning:** Gently wipe the speaker grilles and surrounds with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check speaker connections for tightness and ensure no wires are frayed or exposed.
- **Environmental Factors:** Protect speakers from excessive moisture, direct sunlight, and extreme temperatures, which can degrade materials over time.

## 7. TROUBLESHOOTING

If you encounter issues with your Alpine EL-E65C speakers, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from speakers	Loose or incorrect wiring; amplifier/head unit off; blown fuse; speaker damage.	Check all wiring connections and polarity. Ensure head unit/amplifier is powered on. Inspect fuses. If speakers are damaged, replacement may be necessary.
Distorted or unclear sound	Volume too high; incorrect audio settings; loose speaker cone; amplifier clipping.	Reduce volume. Adjust equalizer settings. Inspect speaker cones for damage. Check amplifier gain settings.
One speaker not working	Loose connection to that specific speaker or crossover; faulty speaker wire; damaged speaker.	Verify connections at the crossover and speaker terminals. Test speaker wire continuity. Swap speakers (if possible) to isolate the issue.
Buzzing or humming noise	Ground loop issue; interference from power cables; faulty audio cable.	Ensure proper grounding. Reroute power and audio cables separately. Check audio cables for damage.

If these steps do not resolve the issue, contact Alpine customer support or a qualified service technician.

## 8. SPECIFICATIONS

Key technical specifications for the Alpine EL-E65C E-Series Component Speakers:

- **Speaker Type:** 2-Way Component System
- **Speaker Size:** 6.5 Inches (Woofer)
- **Peak Power Handling:** 160 Watts per speaker
- **RMS Power Handling:** 40 Watts per speaker
- **Nominal Impedance:** 4 Ohms
- **Frequency Response:** 65 Hz – 20 kHz
- **Sensitivity:** 90 dB

- **Mounting Type:** Flush Mount (Tweeter)
- **Product Dimensions:** 8.27"D x 4.72"W x 18.11"H (Packaging)
- **Item Weight:** 5.2 Pounds

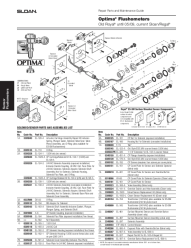


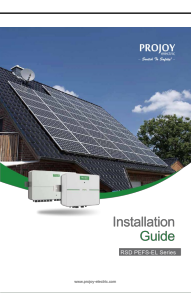
## 9. WARRANTY & SUPPORT

The Alpine EL-E65C E-Series Component Speakers are covered by a **1-Year Manufacturer Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. For warranty claims, technical support, or service inquiries, please contact Alpine customer service or visit the official Alpine website. Keep your proof of purchase for warranty validation.

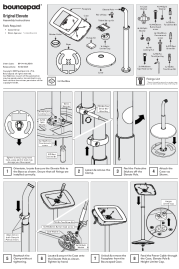
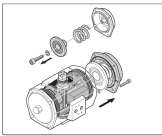
**Manufacturer:** ALPINE

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### Related Documents - EL-E65C

	<p><a href="#">Sloan Optima Flushometers Repair and Maintenance Guide</a></p> <p>This guide provides detailed information on repair parts and maintenance for Sloan Optima Flushometers, covering models from Old Royal up to August 2009, and current Sloan/Regal models. It includes diagrams and a comprehensive list of solenoid/sensor parts and assemblies with corresponding part numbers and descriptions.</p>
	<p><a href="#">EasyLog EL-USB Data Logger Quick Start Guide   Lascar Electronics</a></p> <p>A quick start guide for the Lascar Electronics EasyLog EL-USB series of data loggers, covering software installation, usage, battery replacement, and an overview of the EasyLog product range.</p>
	<p><a href="#">Alpine PXE-640E-EL 6-Sound Track Audio Processing Amplifier User Manual</a></p> <p>This document provides comprehensive operating instructions, technical specifications, and functional parameters for the Alpine PXE-640E-EL 6-Sound Track Audio Processing Amplifier. It details device interfaces, mobile app usage (General and Professional User modes), PC software operation, and safety precautions.</p>
	<p><a href="#">RSD PEFS-EL Series Array-Level Rapid Shutdown Installation and Operation Guide</a></p> <p>This document provides a comprehensive installation and operation guide for the Projoy Electric RSD PEFS-EL Series Array-Level Rapid Shutdown device. It covers essential safety precautions, intended use, operational modes, technical specifications, installation procedures, testing methods, and after-sales service information for solar photovoltaic systems.</p>



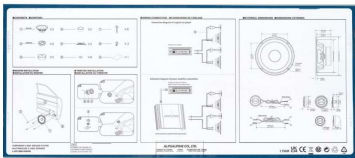
	<p><a href="#">Bouncepad Original Elevate Assembly Instructions</a></p> <p>Comprehensive, step-by-step assembly guide for the Bouncepad Original Elevate tablet stand, detailing parts, tools, and installation procedures for a secure and functional setup.</p>
	<p><a href="#">EL-O-MATIC Pneumatic Actuators "E" and "P" Series Installation, Operation, and Maintenance Manual</a></p> <p>Comprehensive manual for the installation, operation, and maintenance of EL-O-MATIC Pneumatic Actuators "E" and "P" Series. Covers product codes, construction details, principles of operation, assembly codes, disassembly, reassembly, and parts lists. Includes detailed procedures and diagrams.</p>

Documents - Alpine – EL-E65C

[\[pdf\]](#) User Manual Owner's Manual

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[\[pdf\]](#) Accessories Catalog

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www.alpine-usa.com 2025 CATALOG CONTENTS

AlpineF#1Status..... ivity: 92dB Frequency Response: 65Hz - 20kHz Power Rating: 50W RMS / 200W Peak Grilles included **EL-E65C**-G 6.5 Component 2-Way Speaker Set Nominal Impedance 4 Sensitivity: 90dB Frequency Respons... lang:en score:14 filesize: 3.34 M page\_count: 52 document date: 2025-01-10



