

Pyle PL650CBL

Pyle Two-Way Component Speaker System PL650CBL

Model: PL650CBL | 6.5 Inch, 360 Watts

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Pyle Two-Way Component Speaker System, model PL650CBL. This system includes 6.5-inch midwoofers and separate tweeters, designed to enhance your vehicle's audio experience with 360 watts of maximum power. Please read this manual thoroughly before installation and use to ensure proper function and longevity of your speakers.

2. WHAT'S IN THE BOX



Image: All components included in the Pyle PL650CBL Two-Way Component Speaker System package.

Your Pyle PL650CBL Two-Way Component Speaker System package should contain the following items:

- **(2) Midwoofers:** 6.5-inch speakers for mid-range and bass frequencies.
- **(2) Tweeters:** Separate speakers for high frequencies.
- **(2) Crossover Network:** Devices to separate audio signals for midwoofers and tweeters.
- **Grilles:** Protective covers for the midwoofers.
- **Wires:** Necessary wiring for connecting components.
- **Mounting Hardware:** Assorted screws, clips, and brackets for installation.

3. FEATURES

PRODUCT FEATURES



Image: Key features of the Pyle PL650CBL speaker system.

- **360 Watts Maximum Power:** Designed for high power handling to deliver robust sound.
- **Non-Fatiguing Butyl Rubber Surround:** Provides durability and contributes to deeper mid-bass response.
- **1-inch High-Temperature ASV Voice Coil:** Engineered to produce rich sound with low distortion, even at high volumes.
- **Standard 6.5-inch Size:** Designed to fit common OEM speaker locations in vehicles.
- **Blue Poly Injection Cone:** Aesthetically distinct and contributes to sound reproduction.
- **3/4-inch Neodymium PEI Dome Tweeter:** Delivers clear high frequencies, contributing to a frequency response of 70Hz to 20KHz.
- **12dB Two-Way Impedance Matching Crossover Network:** Ensures optimal signal distribution between the midwoofer and tweeter for balanced sound.
- **Flush and Surface Mount Capability:** Offers flexible installation options for the tweeters.

4. INSTALLATION

Proper installation is crucial for optimal performance and safety. If you are unsure about any steps, it is recommended to seek professional assistance. Always disconnect your vehicle's battery before beginning any electrical work.

4.1 Wiring Diagram

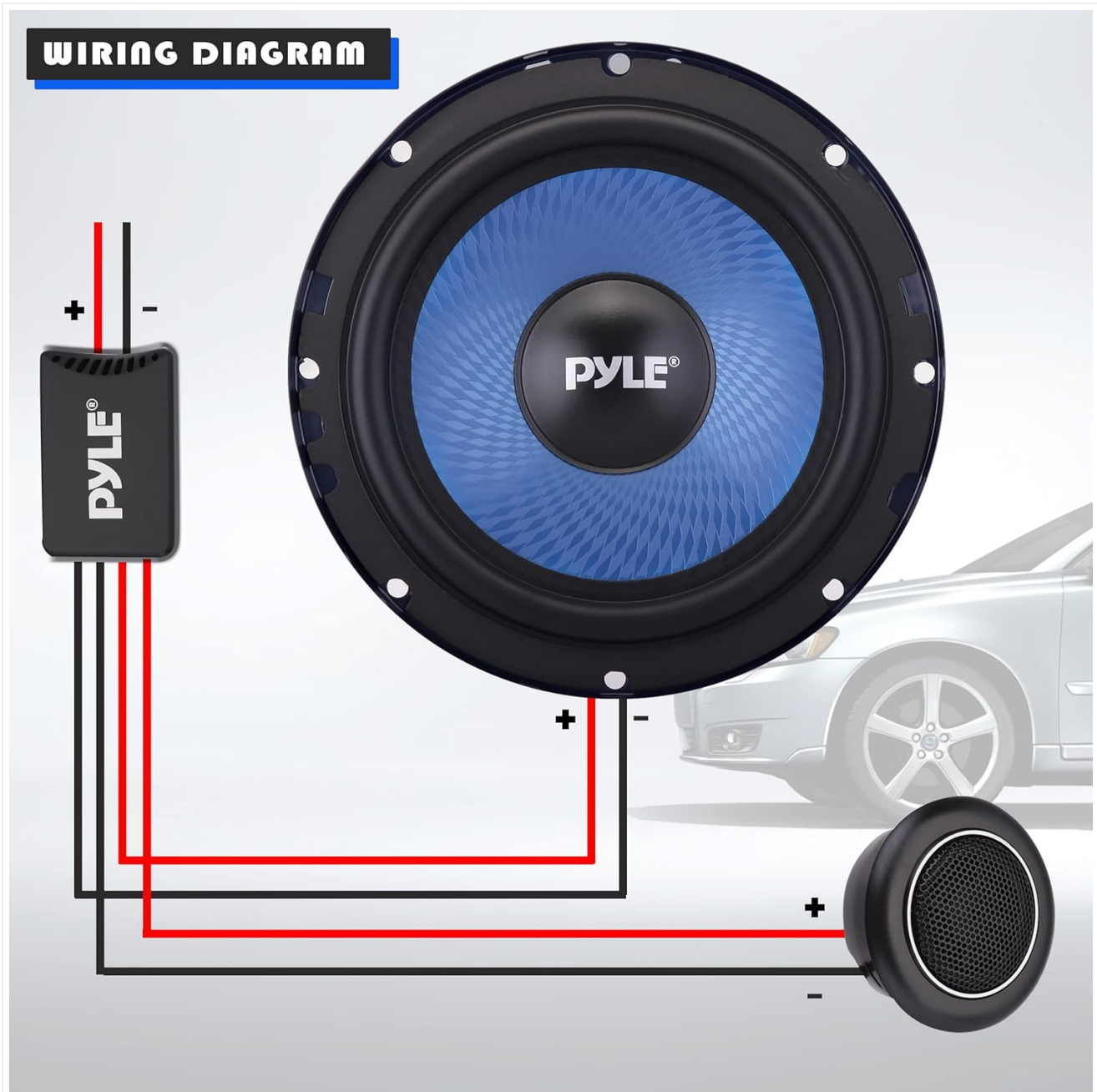


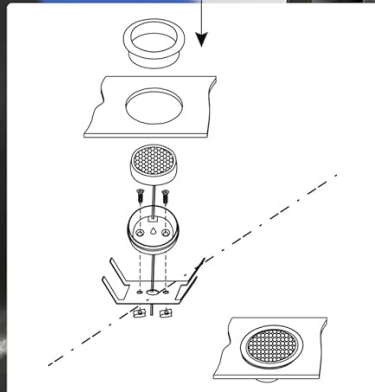
Image: Wiring connections for the Pyle PL650CBL speaker system.

The crossover network is essential for directing the correct frequency ranges to each speaker component. Connect the amplifier output to the input terminals of the crossover. Then, connect the midwoofer to the designated midwoofer output on the crossover, and the tweeter to the tweeter output. Ensure correct polarity (positive to positive, negative to negative) for all connections to prevent phase issues and ensure proper sound reproduction.

4.2 Tweeter Mounting Options

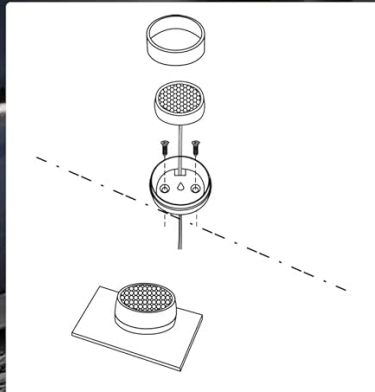
3/4" NEODYMIUM PEI DOME TWEETERS

powers these speakers and allow
70Hz to 20kHz frequency response



FLUSH MOUNT

Tweeters can be installed
in one of two ways.
***Hardware included**



SURFACE MOUNT

Image: Flush and surface mounting options for the tweeters.

The tweeters can be installed using either a flush mount or a surface mount method, depending on your vehicle's interior and aesthetic preference. Mounting hardware for both options is included. For flush mounting, a hole will need to be cut into the mounting surface. For surface mounting, the tweeter housing is secured directly to the surface.

5. SPECIFICATIONS

Feature	Detail
Model Number	PL650CBL
Speaker Type	Component
Speaker Size	6.5 Inches (Midwoofer)
Tweeter Diameter	1 Inch
Power Handling	360 Watts MAX

Feature	Detail
Impedance	4 Ohm
Sensitivity	90 dB
Frequency Response	70Hz - 20KHz
Mounting Depth	2.32 Inches
Magnet Structure	25 oz.
Product Dimensions (without grill)	6.56" x 6.56" x 2.95"
Product Dimensions (with grill)	7.01" x 7.01" x 3.15"
Material	Rubber, Polymer
Item Weight	1.56 pounds (per speaker)
UPC	842893142418

6. OPERATING INSTRUCTIONS

Once installed, connect your speaker system to a compatible car audio amplifier or head unit. Ensure the volume is set to a low level before powering on your audio system. Gradually increase the volume to your desired listening level. The component design allows for a more detailed and accurate sound stage compared to coaxial speakers, with the tweeters providing clear high-frequency reproduction.

Your browser does not support the video tag.

Video: An overview of the Pyle Two-Way Component Speaker System PL650CBL, demonstrating its features and potential use in a vehicle for an enhanced audio experience.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to gently wipe the speaker grilles and cones. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check all wiring connections to ensure they are secure and free from corrosion.
- **Environmental Factors:** While designed for vehicle use, avoid exposing speakers to extreme moisture or direct sunlight for prolonged periods, as this can degrade materials over time.

8. TROUBLESHOOTING

- **No Sound:**
 - Check all wiring connections from the amplifier to the crossover and to each speaker for secure contact and correct polarity.
 - Verify that the amplifier or head unit is powered on and functioning correctly.
 - Ensure the audio source is playing and not muted.
- **Distorted Sound:**
 - Reduce the volume level on your head unit or amplifier. Overdriving the speakers can cause distortion.
 - Check for loose wiring connections or damaged speaker cones/surrounds.
 - Ensure the crossover network is correctly installed and functioning.

- Adjust equalizer settings on your head unit or amplifier to prevent excessive bass or treble that could cause distortion.

- **One Speaker Not Working:**

- Inspect the wiring for that specific speaker and its connection to the crossover.
- Swap the non-working speaker with a known working one (if possible and safe) to determine if the issue is with the speaker or the wiring/source.

9. WARRANTY

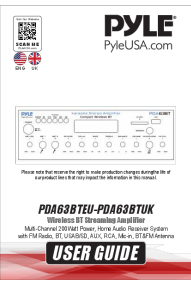



The Pyle PL650CBL Two-Way Component Speaker System comes with a **1 Year Warranty** from the date of purchase. This warranty covers manufacturing defects and material flaws under normal use. It does not cover damage resulting from improper installation, accident, misuse, abuse, neglect, unauthorized repair, or modification. Please retain your proof of purchase for warranty claims.

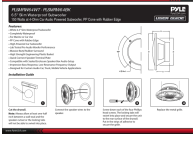
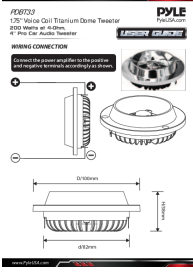
10. SUPPORT

For technical support, troubleshooting assistance beyond this manual, or warranty inquiries, please visit the official Pyle website or contact their customer service department. Refer to the product packaging or the Pyle website for the most current contact information.

[Visit the Pyle Store on Amazon](#)

Related Documents - PL650CBL

	<p>Pyle PDA63BTEU-PDA63BTUK 200W Wireless Bluetooth Amplifier User Guide</p> <p>Get the most out of your Pyle PDA63BTEU-PDA63BTUK 200W wireless Bluetooth streaming amplifier. This user guide covers setup, features, controls, technical specifications, and safety information for this multi-channel home audio receiver.</p>
	<p>PYLE PT250BA Home Theater Wireless BT Streaming Receiver Amplifier User Guide</p> <p>Comprehensive user guide for the PYLE PT250BA Home Theater Wireless BT Streaming Receiver Amplifier, detailing features, connections, operation, safety instructions, and technical specifications.</p>
	<p>Pyle PT888BTWM User Guide: Wireless BT Home Theater Receiver with Microphones</p> <p>User guide for the Pyle PT888BTWM 5.2-channel home theater receiver. Features Bluetooth streaming, 2 UHF wireless microphones, 4K Ultra HD support, and multiple inputs. Find setup, operation, and troubleshooting information.</p>
	<p>Pyle PT888BTWM Wireless BT Streaming Home Theater Receiver User Manual</p> <p>User manual for the Pyle PT888BTWM 5.2-Channel Surround Sound Stereo Amplifier System, detailing features, operation, safety precautions, troubleshooting, and technical specifications for home theater audio.</p>

	<p>Pyle PLSMRW64WT 6.5" Slim Waterproof Subwoofer User Guide</p> <p>This guide provides features, installation instructions, and technical specifications for the Pyle PLSMRW64WT 6.5" Slim Waterproof Subwoofer, designed for car, truck, and marine applications.</p>
	<p>Pyle PDBT33 1.75" Voice Coil Titanium Dome Tweeter - User Guide & Specs</p> <p>Explore the Pyle PDBT33, a 1.75" voice coil titanium dome tweeter designed for car audio systems. Learn about its features, technical specifications, and wiring connections.</p>