

## Lanzar MAXP84

# Lanzar MAXP84 8-inch Car Subwoofer Speaker Instruction Manual

Model: MAXP84

## 1. INTRODUCTION

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Thank you for choosing the Lanzar MAXP84 8-inch Car Subwoofer Speaker. This manual provides essential information for the proper installation, operation, and maintenance of your new subwoofer. Please read this manual thoroughly before attempting to install or operate the unit to ensure optimal performance and safety.

## 2. SAFETY INFORMATION

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Always observe the following safety precautions to prevent injury or damage to the equipment:

- **Professional Installation Recommended:** Car audio installation can be complex. If you are unsure about any part of the installation process, consult a qualified professional.
- **Disconnect Power:** Before beginning any installation or wiring, disconnect the vehicle's battery to prevent electrical shorts and potential damage.
- **Proper Wiring:** Ensure all wiring is correctly connected, observing polarity. Incorrect wiring can damage the subwoofer and amplifier.
- **Secure Mounting:** Mount the subwoofer securely to prevent it from becoming a projectile in the event of sudden stops or collisions.
- **Ventilation:** Ensure adequate ventilation around the subwoofer and amplifier to prevent overheating.
- **Volume Levels:** Prolonged exposure to high volume levels can cause hearing damage. Operate your audio system at moderate levels.

## 3. WHAT'S IN THE BOX

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Upon unpacking, please ensure all items are present:

- Lanza MAXP84 8-inch Car Subwoofer Speaker
- Installation Template
- Necessary Cables (for basic connection, additional wiring may be required)
- Instruction Manual (this document)



Figure 1: Included items in the MAXP84 package.

## 4. PRODUCT FEATURES

The Lanza MAXP84 subwoofer is engineered to deliver powerful and clear bass for your vehicle's audio system. Key features include:

- **High Power Handling:** 800 Watt peak power for robust sound reproduction.
- **Optimized Impedance:** 4 Ohm impedance for compatibility with a wide range of amplifiers.
- **Durable Cone Material:** Black non-pressed paper cone for enhanced audio clarity and longevity.
- **Foam Edge Suspension:** Specially treated foam edge suspension ensures equipment safety and consistent performance.
- **Advanced Voice Coil:** 1.5-inch high-temperature aluminum voice coil designed to resist corrosion and

handle high power.

- **Vented Motor Structure:** Bump vented motor structure for improved durability and heat dissipation.
- **Rubber Magnet Boot:** Special designed rubber magnet boot for protection.



Figure 2: Detailed view of MAXP84 subwoofer features.

# 800 Watts Peak Power

1.5" voice coil

4 Ohm Impedance

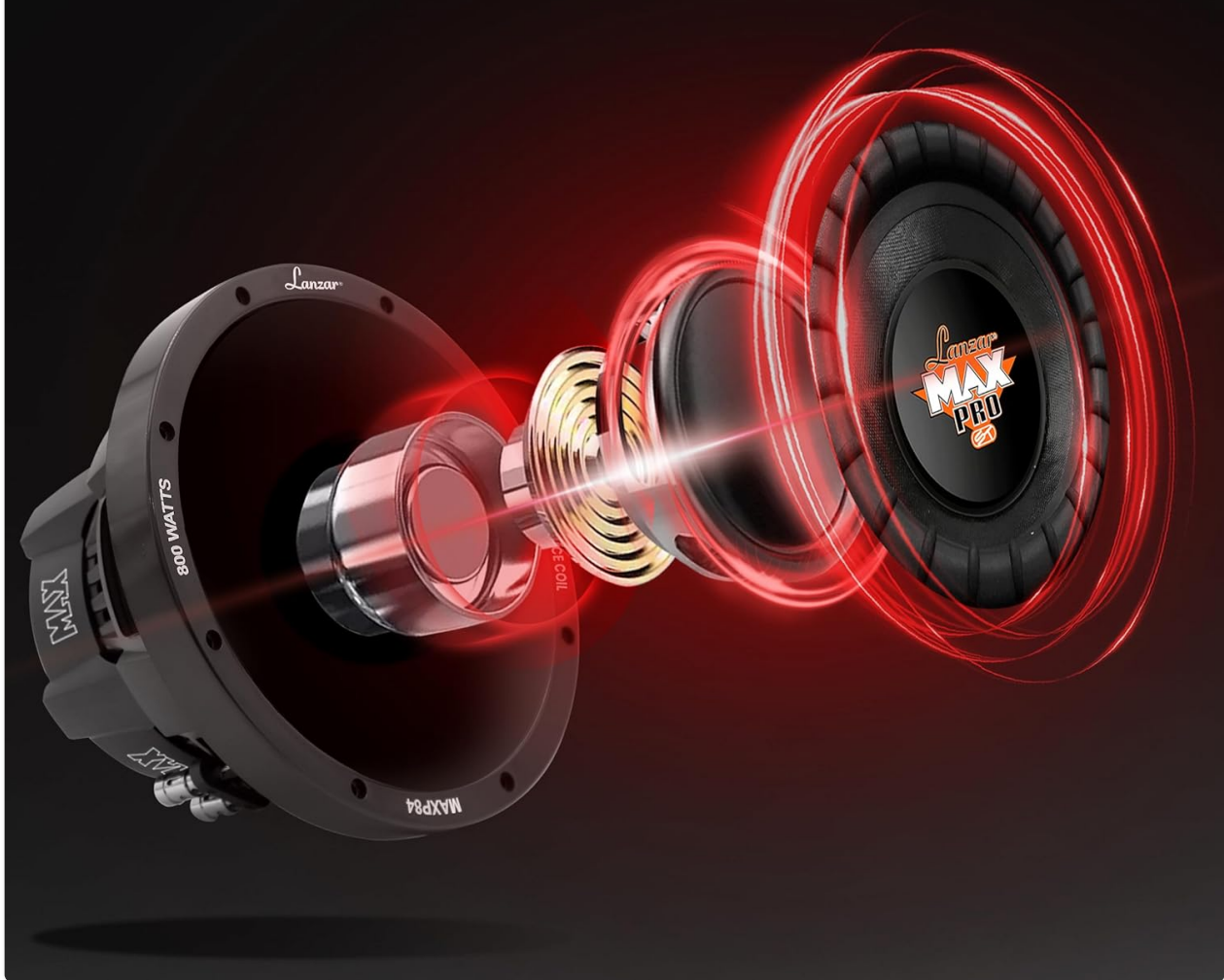


Figure 3: Power and voice coil specifications.

## 5. SETUP & INSTALLATION

Proper installation is crucial for the performance and longevity of your subwoofer. Follow these guidelines carefully.

### 5.1 Mounting

The MAXP84 subwoofer requires a mounting depth of 4.08 inches. Ensure the chosen location in your vehicle or enclosure provides sufficient clearance and structural integrity.

1. **Choose Location:** Select a suitable location, typically within a sealed or ported enclosure, that can accommodate the subwoofer's dimensions.
2. **Measure and Mark:** Use the provided installation template to mark the cutout diameter and mounting screw holes. The overall diameter is 8.75 inches.
3. **Cut Opening:** Carefully cut the mounting hole. Ensure the edges are smooth and free of debris.
4. **Secure Subwoofer:** Place the subwoofer into the opening and secure it using appropriate screws. Do not overtighten.

# Product Dimension

Overall Diameter

8.75"



4.08" Mounting Depth

Figure 4: Subwoofer dimensions for mounting.

# 8" Standard Size

Mounting Depth up to 4.08"



Figure 5: Example of subwoofer installation in a vehicle.

## 5.2 Wiring

The MAXP84 features a 4 Ohm impedance. Ensure your amplifier is stable at this impedance and can provide sufficient power without clipping. Refer to your amplifier's manual for specific wiring configurations.

1. **Identify Terminals:** Locate the positive (+) and negative (-) terminals on the subwoofer. These are typically silver-plated for optimal conductivity.
2. **Connect Wires:** Connect the appropriate gauge speaker wire from your amplifier to the subwoofer terminals, observing correct polarity. Positive to positive, negative to negative.
3. **Secure Connections:** Ensure all connections are tight and secure to prevent loose wires, which can cause intermittent sound or damage.



## Structure for **DURABILITY**

Figure 6: Subwoofer terminals for wiring.

## 6. OPERATING INSTRUCTIONS

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Once installed, follow these steps for initial operation and optimal performance.

1. **Initial Power-Up:** Reconnect the vehicle's battery. Turn on your car audio system.
2. **Volume Adjustment:** Start with the amplifier gain and head unit volume at their lowest settings. Gradually increase the volume to a comfortable listening level.
3. **Gain Matching:** Adjust the amplifier gain to match the output of your head unit. Avoid setting the gain too high, as this can lead to distortion and potential damage to the subwoofer.
4. **Crossover Settings:** Set your amplifier's low-pass filter (LPF) to an appropriate frequency, typically between 60Hz and 100Hz, to ensure the subwoofer only reproduces low frequencies.
5. **Break-in Period:** Allow a break-in period of several hours of moderate listening before operating the subwoofer at high volumes. This allows the suspension components to loosen and perform optimally.

## 7. MAINTENANCE

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Regular maintenance will help ensure the longevity and performance of your subwoofer.

- **Cleaning:** Periodically wipe the subwoofer cone and surround with a soft, dry cloth. Avoid using harsh chemicals or excessive moisture.
- **Inspection:** Regularly inspect the wiring connections for tightness and signs of corrosion. Check the subwoofer surround for any tears or damage.
- **Environmental Protection:** Protect the subwoofer from extreme temperatures, direct sunlight, and moisture.

## 8. TROUBLESHOOTING

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If you experience issues with your Lanzar MAXP84 subwoofer, refer to the following common problems and solutions:

| Problem                 | Possible Cause   | Solution   |
|-------------------------|--|--|
| No Sound from Subwoofer | <ul style="list-style-type: none"><li>• Power issue to amplifier</li><li>• Incorrect wiring</li><li>• Amplifier in protect mode</li><li>• Head unit settings</li></ul>         | <ul style="list-style-type: none"><li>• Check amplifier power and ground connections.</li><li>• Verify all speaker wire connections for correct polarity and tightness.</li><li>• Check amplifier fuses. Consult amplifier manual.</li><li>• Ensure subwoofer output is enabled and volume is up on head unit.</li></ul> |
| Distorted Sound         | <ul style="list-style-type: none"><li>• Amplifier gain too high</li><li>• Clipping from amplifier</li><li>• Incorrect crossover settings</li><li>• Damaged subwoofer</li></ul> | <ul style="list-style-type: none"><li>• Reduce amplifier gain.</li><li>• Ensure amplifier is not overdriven.</li><li>• Adjust LPF on amplifier or head unit.</li><li>• Inspect subwoofer cone and surround for physical damage.</li></ul>  |
| Weak or Muffled Bass    | <ul style="list-style-type: none"><li>• Incorrect wiring polarity</li><li>• Insufficient amplifier power</li><li>• Improper enclosure</li></ul>                                | <ul style="list-style-type: none"><li>• Reverse polarity of one speaker wire connection and re-test.</li><li>• Ensure amplifier provides adequate RMS power for the subwoofer.</li><li>• Verify enclosure volume and design are suitable for an 8-inch subwoofer.</li></ul>  |

## 9. SPECIFICATIONS

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Detailed technical specifications for the Lanzar MAXP84 8-inch Car Subwoofer Speaker:

| Feature | Specification |
|---------|---------------|
|---------|---------------|

| Feature                             | Specification  |
|-------------------------------------|--|
| Brand                               | Lanzar   |
| Model Number                        | MAXP84   |
| Speaker Type                        | Subwoofer  |
| Speaker Size                        | 8 Inches   |
| Maximum Output Power                | 800 Watts  |
| Impedance                           | 4 Ohms   |
| Frequency Response                  | 60Hz (as per feature bullet, 1 KHz in specs seems incorrect for a subwoofer) |
| Signal-to-Noise Ratio (Sensitivity) | 88 dB  |
| Voice Coil                          | 1.5-inch High-Temperature Aluminum   |
| Cone Material                       | Black Non-Pressed Paper  |
| Suspension                          | Foam Edge  |
| Mounting Depth                      | 4.08 Inches  |
| Item Dimensions (D x W x H)         | 8.75"D x 8.75"W x 5.59"H   |
| Item Weight                         | 2.4 Kilograms  |
| Connectivity Technology             | Wired  |
| Specific Uses For Product           | Vehicle Audio Systems  |

## 10. WARRANTY INFORMATION

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The Lanzar MAXP84 8-inch Car Subwoofer Speaker comes with a **1-year limited warranty** from the date of purchase. This warranty covers manufacturing defects in materials and workmanship under normal use. It does not cover damage resulting from improper installation, accident, misuse, abuse, neglect, unauthorized modification, or normal wear and tear.

For warranty service, please retain your proof of purchase. Contact customer support for further instructions.

## 11. SUPPORT

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If you have any questions, require technical assistance, or need to report an issue with your Lanzar MAXP84 subwoofer, please refer to the contact information provided with your purchase or visit the official Lanzar website for support resources.

