

## SOUNDMAX SX-M69F

# SOUNDMAX SX-M69F 6x9 Oval Midrange Speaker Instruction Manual

Model: SX-M69F

## 1. INTRODUCTION

Thank you for choosing SOUNDMAX SX-M69F 6x9 Oval Midrange Speakers. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new speakers. Please read this manual thoroughly before installation and keep it for future reference.

## 2. SAFETY INFORMATION

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

- Ensure the vehicle's power is disconnected before installation to avoid electrical shock.
- Use appropriate tools and wear protective gear during installation.
- Do not modify the speakers or their components. Unauthorized modifications can void the warranty and cause damage.
- Ensure proper wiring connections to prevent short circuits and damage to your audio system.
- Mount speakers securely to prevent them from becoming loose during vehicle operation.
- Avoid exposing speakers to excessive moisture or extreme temperatures.

## 3. PACKAGE CONTENTS

The SOUNDMAX SX-M69F package includes:

- 2 x SOUNDMAX SX-M69F 6x9 Oval Midrange Speakers
- (Additional mounting hardware or cables may be included, refer to packaging)

## 4. PRODUCT OVERVIEW

### 4.1 Features

- **Model:** SX-M69F
- **Speaker Type:** Car Audio Midrange Speaker
- **Size:** 6x9 inches (15.8 x 23 cm)
- **Maximum Output Power:** 400 Watts
- **Impedance:** 4 Ohms
- **Connectivity Technology:** Wired
- **Mounting Type:** Flush Mount
- **Audio Output Mode:** Stereo

## 4.2 Components

The SOUNDMAX SX-M69F speakers are designed for optimal midrange audio reproduction in vehicle environments. Each speaker unit consists of a cone, voice coil, magnet, and frame, engineered for durability and sound quality.



Figure 1: SOUNDMAX SX-M69F 6x9 Oval Midrange Speaker. This image shows the front view of the speaker, highlighting its oval shape and cone design.

## 5. SETUP AND INSTALLATION

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

### 5.1 Tools Required

- Screwdriver set
- Wire strippers/crimpers
- Drill (if new mounting holes are needed)
- Measuring tape
- Safety glasses and gloves

### 5.2 Installation Steps

1. **Disconnect Power:** Before starting, disconnect the vehicle's battery to prevent electrical hazards.
2. **Remove Existing Speakers:** Carefully remove the existing speakers from their mounting locations (e.g., door panels, rear deck).
3. **Prepare Mounting Location:** Ensure the mounting location is clean and has sufficient depth for the SX-M69F speakers (15.8 x 23 cm). If necessary, use a template to mark and cut new openings.
4. **Connect Wiring:** Connect the speaker wires from your car's audio system to the terminals on the SX-M69F speakers. Ensure correct polarity (positive to positive, negative to negative) to avoid phase issues.
5. **Mount Speakers:** Place the SX-M69F speakers into the prepared openings. Secure them using the provided screws or appropriate mounting hardware. Ensure they are firmly seated and do not vibrate.
6. **Test Connections:** Before reassembling the vehicle's interior, temporarily reconnect the battery and test the speakers with your audio system to ensure they are functioning correctly.
7. **Reassemble:** Once confirmed, disconnect the battery again, reassemble any removed panels, and then reconnect the battery.

## 6. OPERATING INSTRUCTIONS

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Once installed, the SOUNDMAX SX-M69F speakers operate as part of your vehicle's audio system. They are designed to reproduce midrange frequencies with clarity.

- **Audio Source:** Play audio through your car's head unit or connected compatible devices (e.g., smartphone, tablet, laptop, television, desktop computer, as per specifications).
- **Volume Control:** Adjust the volume through your car's audio system. Avoid excessively high volumes for prolonged periods to prevent speaker damage and hearing loss.
- **Equalizer Settings:** For optimal sound, adjust your audio system's equalizer settings to complement the midrange characteristics of these speakers.

## 7. MAINTENANCE

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Regular maintenance helps ensure the longevity and performance of your speakers.

- **Cleaning:** Gently wipe the speaker grilles and surrounds with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check the speaker mounts and wiring connections to ensure they are secure and free from corrosion.
- **Environmental Protection:** While designed for automotive use, avoid exposing the speakers to direct water spray

or extreme environmental conditions.

## 8. TROUBLESHOOTING

If you encounter issues with your SOUNDMAX SX-M69F speakers, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from speakers	Loose or incorrect wiring Head unit not powered on or faulty Speaker damaged	Check all wiring connections for proper polarity and security. Ensure head unit is on and functioning. Test with another known-good speaker or consult a professional.
Distorted sound	Volume too high Incorrect equalizer settings Speaker damaged or blown Poor power supply	Reduce volume. Adjust equalizer settings on your head unit. Inspect speaker for physical damage. Ensure adequate power supply to the head unit and amplifier (if used).
Intermittent sound	Loose wiring connection Faulty speaker wire	Check and secure all wiring connections. Inspect speaker wires for cuts or damage.

If the problem persists after trying these solutions, contact SOUNDMAX customer support or a qualified service technician.

## 9. SPECIFICATIONS

Feature	Specification
Model Name	SX-M69F
Speaker Type	Car Audio Midrange Speaker
Speaker Size	15.8 x 23 cm (6x9 inches)
Maximum Output Power	400 Watts
Impedance	4 Ohms
Connectivity Technology	Wired
Power Source	Wired Electric
Audio Output Mode	Stereo
Mounting Type	Flush Mount
Compatible Devices	Smart Phone, Tablet, Laptop, Television, Desktop Computer
Waterproof	False

## 10. WARRANTY AND SUPPORT

SOUNDMAX products are designed for reliability and performance. For information regarding warranty coverage, please refer to the warranty card included with your product or visit the official SOUNDMAX website.

For technical support, troubleshooting assistance, or service inquiries, please contact SOUNDMAX customer support through their official channels. Have your model number (SX-M69F) and purchase information ready when contacting support.

