

Morel tempo6.2

Morel Tempo 6 - 6.5" 2-Way Component Car Speaker System Instruction Manual

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Morel Tempo 6 - 6.5 inch 2-Way Component Car Speaker System. Please read these instructions carefully before proceeding with installation or use to ensure optimal performance and longevity of your speakers.



An image showing the Morel Tempo 6 component speaker system, including the woofer, tweeter, and crossover.

PRODUCT FEATURES

The Morel Tempo 6 system is engineered for high-fidelity audio reproduction in automotive environments. Key features include:

- **Power Handling:** 120W RMS / 280W Max Power, ensuring robust performance.
- **Frequency Response:** A wide range of 40-22kHz for comprehensive sound reproduction.
- **Impedance:** 4 Ohms, compatible with most car audio amplifiers.
- **Sensitivity:** 90 dB, allowing for efficient power utilization.
- **Woofer Voice Coil:** Hexatech Aluminum Voice Coil Wire for improved power handling and linearity.
- **Woofer Magnet:** T-type High-Grade Ferrite Magnet for strong magnetic flux.
- **Tweeter:** Neodymium Tweeter for clear and detailed high-frequency response.

PACKAGE CONTENTS

Upon opening the package, verify that all components are present and undamaged. A typical Morel Tempo 6 component system package includes:

- Two (2) 6.5-inch Woofers
- Two (2) Tweeters
- Two (2) External Crossovers
- Mounting Hardware (screws, clips, etc.)
- Speaker Grilles (if applicable)
- User Manual (this document)

If any items are missing or damaged, please contact your authorized Morel dealer immediately.

SETUP AND INSTALLATION

Proper installation is crucial for the performance and safety of your speaker system. It is highly recommended that installation be performed by a qualified car audio professional.

General Guidelines:

1. **Disconnect Battery:** Before beginning any electrical work, disconnect the vehicle's negative battery terminal to prevent electrical shorts and damage.
2. **Choose Mounting Location:** Select appropriate locations for the woofers, tweeters, and crossovers. Ensure sufficient mounting depth for the woofer (2.44 inches) and tweeter (0.8 inches).
3. **Wiring:** Use high-quality speaker wire of adequate gauge. Route wires carefully, avoiding sharp edges, moving parts, and heat sources. Ensure proper polarity (+ to + and - to -) for all connections.
4. **Crossover Connection:** Connect the amplifier output to the input terminals of the passive crossover. Then, connect the woofer and tweeter to their respective output terminals on the crossover.
5. **Secure Mounting:** Mount all components securely using the provided hardware. Loose components can cause vibrations and damage.
6. **Reconnect Battery:** Once all connections are made and secured, reconnect the vehicle's negative battery terminal.
7. **Initial Test:** Start with the head unit volume at its lowest setting. Gradually increase the volume and check for proper sound output from all speakers.

Refer to your vehicle's service manual for specific panel removal and wiring diagrams.

OPERATING INSTRUCTIONS

Once installed, your Morel Tempo 6 speakers are designed for straightforward operation. The sound quality will largely depend on the quality of your audio source, amplifier, and installation.

- **Volume Control:** Always start with a low volume setting on your head unit or amplifier and gradually increase it to a comfortable listening level. Avoid excessively high volumes that cause audible distortion, as this can damage the speakers.
- **Equalization and Tone Controls:** Use your head unit's or amplifier's equalization (EQ) and tone controls (bass, treble) to fine-tune the sound to your preference. Make adjustments incrementally.
- **Amplifier Gain Settings:** If using an external amplifier, ensure its gain settings are properly matched to your head unit's output to prevent clipping and distortion. Consult your amplifier's manual for proper gain adjustment procedures.
- **Break-in Period:** Like many high-performance speakers, your Morel Tempo 6 system may benefit from a

break-in period of several hours of normal listening. During this time, the speaker components will loosen up, potentially leading to improved sound quality.

MAINTENANCE

Your Morel Tempo 6 speakers require minimal maintenance to ensure long-term performance.

- **Cleaning:** Periodically wipe the speaker grilles and surrounds with a soft, dry, or slightly damp cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Avoid Moisture:** Keep the speakers dry. While designed for automotive use, excessive moisture or direct water exposure can cause damage.
- **Check Connections:** Occasionally inspect wiring connections to ensure they remain secure and free from corrosion. Loose connections can lead to poor sound quality or intermittent operation.
- **Environmental Factors:** Protect speakers from extreme temperatures and direct sunlight for prolonged periods, which can degrade materials over time.

TROUBLESHOOTING

If you experience issues with your speaker system, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No sound from speakers	Loose or incorrect wiring; Amplifier off or in protect mode; Head unit issue; Blown fuse.	Check all speaker, amplifier, and head unit connections. Verify amplifier power and fuse. Test head unit with another speaker.
Distorted or unclear sound	Volume too high; Amplifier gain set incorrectly; Damaged speaker; Incorrect crossover settings.	Reduce volume. Adjust amplifier gain. Inspect speakers for physical damage. Ensure crossover connections are correct.
Sound from only one side/speaker	Loose connection; Balance setting incorrect; Faulty speaker or channel.	Check wiring for the affected speaker. Adjust head unit's balance control. Swap speakers (if possible) to isolate the fault.
Excessive bass or treble	EQ or tone controls set too high/low.	Adjust the head unit's or amplifier's EQ and tone controls to a neutral or desired setting.

If these steps do not resolve the issue, consult a professional car audio technician.

SPECIFICATIONS

Feature	Specification
Model Number	tempo6.2
Speaker Diameter	6.5 inches (16.5 cm)
System Type	2-Way Component
RMS Power Handling	120 Watts

Feature	Specification
Max Power Handling	280 Watts
Frequency Response	40 Hz - 22 kHz
Impedance	4 Ohms
Sensitivity (2.83V/1m)	90 dB
Woofer Voice Coil	Hexatech Aluminum
Woofer Magnet Type	T-type High-Grade Ferrite
Tweeter Magnet Type	Neodymium
Woofer Mounting Depth	2.44 inches (62 mm)
Tweeter Mounting Depth	0.8 inches (20 mm)
Item Weight	6.64 pounds (3.01 kg)
Package Dimensions	15.12 x 10.98 x 4.41 inches
ASIN	B003F2U79O

WARRANTY AND SUPPORT

Morel products are manufactured to high standards and are backed by a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Morel website.

For technical support, service, or inquiries regarding your Morel Tempo 6 speaker system, please contact your authorized Morel dealer or the manufacturer's customer service department. Keep your purchase receipt as proof of purchase for warranty claims.