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KICKER 48KXMA9005

KICKER KXMA900.5 Marine Amplifier User Manual

Model: 48KXMA9005

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, setup, operation, and maintenance of your KICKER KXMA900.5 5-channel marine amplifier. Please read this manual thoroughly before attempting installation or operation to ensure proper function and safety. Retain this manual for future reference.

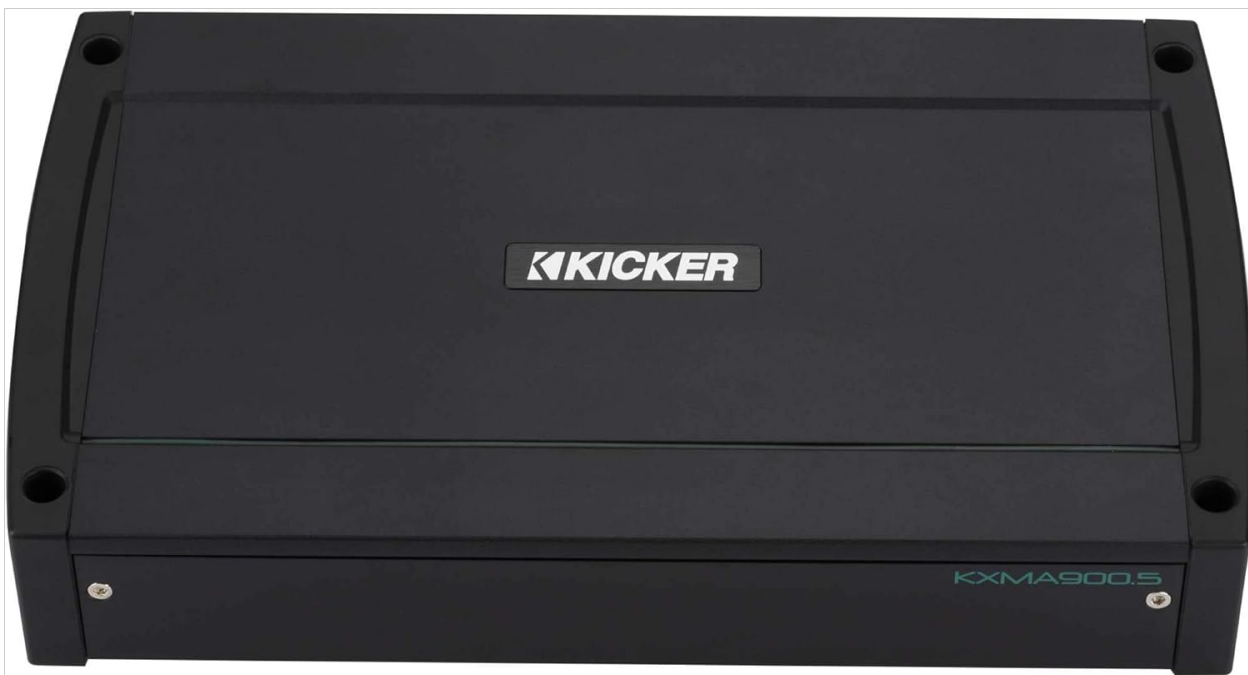


Figure 1: Top view of the KICKER KXMA900.5 Marine Amplifier.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent injury or damage to the amplifier or vehicle:

- Always disconnect the vehicle's battery negative terminal before making any electrical connections.
- Ensure all wiring is properly routed and secured to prevent pinching or damage.
- Use appropriate gauge wiring as specified in this manual to avoid overheating and potential fire hazards.

- Install the amplifier in a location that is protected from direct exposure to water, excessive heat, and vibration.
- Do not operate the amplifier if it has been submerged in water or shows signs of moisture damage.
- Seek professional installation if you are unsure about any part of the process.

3. PACKAGE CONTENTS

Verify that your package contains the following items:

- KICKER 48KXMA9005 Marine Amplifier
- Mounting Hardware
- Owner's Manual (this document)
- Remote Bass Control (if applicable to your model variant)

4. FEATURES

The KICKER KXMA900.5 amplifier incorporates advanced features designed for marine environments:

- Conformal-Coated Circuit Boards to Repel Moisture
- 316L Stainless-Steel, No-Rust Hardware
- Small Footprint for Flexible Installation
- Built-In Variable Crossovers for Precise Speaker Performance Matching
- Designed to Add Extra Intensity to a Large System, or Power High-End Tower Speakers

5. INSTALLATION

5.1 Mounting

Choose a mounting location that provides adequate ventilation for the amplifier. Avoid mounting in enclosed spaces or directly exposed to sunlight. Ensure the mounting surface is solid and secure. Use the provided hardware to firmly attach the amplifier.

5.2 Wiring

Refer to the diagram below for proper wiring connections. Ensure all connections are tight and insulated to prevent short circuits.



Figure 2: Rear panel connections for power, ground, remote, input, and speaker outputs.

5.2.1 Power Connections

- **+12V (Power):** Connect directly to the positive terminal of the vehicle's battery using an appropriate gauge power cable and an inline fuse within 18 inches of the battery.
- **GND (Ground):** Connect to a clean, solid metal chassis point as close to the amplifier as possible.

Ensure the connection point is free of paint or corrosion.

- **REM (Remote Turn-On):** Connect to the remote turn-on lead from your head unit or an ignition-switched 12V source.

5.2.2 Input Connections

Connect RCA cables from your head unit's pre-amp outputs to the amplifier's input terminals (AMP1, AMP2, SUB).

5.2.3 Speaker Connections

Connect your speakers to the designated speaker terminals (AMP1, AMP2, SUB). Observe correct polarity (+ to + and - to -) for optimal sound performance. The KXMA900.5 supports both stereo and bridged configurations for AMP1 and AMP2 channels, and a dedicated subwoofer channel.

6. SETUP AND ADJUSTMENTS

The KXMA900.5 amplifier features various controls for fine-tuning your audio system.



Figure 3: Control panel showing gain, crossover, and EQ settings.

6.1 Gain Setting

The GAIN control matches the amplifier's input sensitivity to the output level of your head unit. To set the gain:

1. Turn the amplifier gain to its minimum setting.
2. Turn the head unit volume up to about 75% of its maximum level.
3. Slowly increase the amplifier gain until you hear slight distortion, then back it off slightly.

6.2 Crossovers

The amplifier features variable high-pass (HP), low-pass (LP), and band-pass (BP) crossovers for AMP1 and AMP2, and a low-pass (LP) and sub-sonic filter for the SUB channel. Adjust these to direct appropriate frequencies to your speakers and subwoofer.

- **HPF (High-Pass Filter):** Allows frequencies above the set point to pass through. Typically used for full-range speakers.
- **LPF (Low-Pass Filter):** Allows frequencies below the set point to pass through. Typically used for subwoofers.
- **Sub-Sonic Filter:** Filters out extremely low frequencies that are inaudible and can damage subwoofers.

6.3 KICK EQ (Bass Boost)

The KICK EQ control allows you to increase the bass output at a specific frequency. Use this feature sparingly to avoid distortion and potential speaker damage.

7. OPERATING INSTRUCTIONS

Once properly installed and configured, the KXMA900.5 amplifier will automatically turn on and off with your head unit. Ensure your head unit's volume is at a reasonable level before starting playback. Adjust the head unit's balance and fader controls as desired. For optimal sound, avoid operating the system at maximum volume for extended periods, which can lead to distortion and component damage.

8. TROUBLESHOOTING

If your amplifier is not functioning correctly, consult the following table for common issues and solutions:

Problem	Possible Cause	Solution
No power/No sound	Blown fuse, loose power/ground connection, no remote turn-on signal.	Check inline fuse, verify power/ground connections, check remote wire for 12V.
Distorted sound	Gain set too high, improper crossover settings, damaged speakers.	Reduce gain, adjust crossovers, inspect speakers for damage.
Amplifier goes into protection mode (red LED)	Overheating, short circuit in speaker wiring, low voltage.	Ensure proper ventilation, check speaker wiring for shorts, verify battery voltage.
No bass from subwoofer	Subwoofer channel gain too low, LPF set too low, subwoofer wiring issue.	Increase subwoofer gain, adjust LPF, check subwoofer connections.

If the problem persists after troubleshooting, contact KICKER customer support or your authorized dealer.

9. SPECIFICATIONS

The following table outlines the technical specifications for the KICKER KXMA900.5 Marine Amplifier:

Specification	Value
Model Number	48KXMA9005
Product Dimensions	15 x 21 x 10 inches
Item Weight	8.28 pounds
Manufacturer	Kicker
Channels	5 (4-channel full-range + 1-channel subwoofer)
Amplifier Class	Class-D
Conformal Coating	Yes
Hardware	316L Stainless-Steel

10. MAINTENANCE

Regular maintenance ensures the longevity and performance of your amplifier:

- Periodically inspect all wiring connections for corrosion or looseness.
- Clean the amplifier's exterior with a soft, damp cloth. Avoid using harsh chemicals or abrasives.

- Ensure the mounting area remains free of debris that could obstruct airflow and cause overheating.




11. WARRANTY AND SUPPORT




Your KICKER KXMA900.5 Marine Amplifier is covered by a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official KICKER website. For technical support, troubleshooting assistance, or service inquiries, please contact KICKER customer service or your authorized KICKER dealer.

KICKER Official Website: www.kicker.com

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Related Documents - 48KXMA9005

	<p>KICKER KMC4 Media Center Owner's Manual</p> <p>This document provides comprehensive installation, operation, and troubleshooting information for the KICKER KMC4 (46KMC4) Media Center, detailing specifications, features, connectivity options, and user controls.</p>
	<p>KICKER KMA Series Amplifiers Owner's Manual</p> <p>This owner's manual provides comprehensive information for KICKER KMA Series multi-channel amplifiers, including models KMA150.2, KMA300.4, and KMA450.6. It covers essential safety warnings, detailed performance specifications, installation guides, operational procedures, and troubleshooting tips.</p>
	<p>KICKER KXMA1500.1 Mono Amplifier Owner's Manual</p> <p>Comprehensive owner's manual for the KICKER KXMA1500.1 mono amplifier, detailing performance specifications, installation guides, operation instructions, gain matching, troubleshooting, and warranty information.</p>

 <p>The cover of the KICKER KEY200.4 4-Channel DSP Amplifier Owner's Manual features a large red chevron graphic pointing left. The KICKER logo is at the top left, followed by the text 'Owner's Manual', 'Manual del Propietario', 'Manuel d'utilisation', and 'Benutzerhandbuch'. Below the chevron, the model 'KEY200.4' and '4-Channel DSP Amplifier' are printed. At the bottom left, there are four small flags representing the United States, Mexico, France, and Germany.</p>	<p>KICKER KEY200.4 4-Channel DSP Amplifier Owner's Manual</p> <p>Comprehensive owner's manual for the KICKER KEY200.4 4-Channel DSP Amplifier, detailing installation, operation, features, auto-setup, troubleshooting, and warranty information. Enhances vehicle audio quality with automatic calibration.</p>
 <p>The cover of the Kicker KMA Series Amplifiers Owner's Manual has a dark background with a teal chevron graphic pointing left. The text 'KMA AMPLIFIERS' is prominently displayed in white and teal. Below it, 'Owner's Manual' is written in smaller white text. A list of models (KMA150.2, KMA360.4, KMA600.4, KMA600.6) is visible on the right side.</p>	<p>Kicker KMA Series Amplifiers Owner's Manual</p> <p>Comprehensive owner's manual for Kicker KMA Series multi-channel amplifiers (KMA150.2, KMA360.4, KMA600.4, KMA600.6), detailing installation, performance specifications, operation, troubleshooting, and warranty information.</p>
 <p>The cover of the KICKER WXA3600.1 Warhorse Mono Amplifier Owner's Manual features a black background with an orange chevron graphic pointing left. The KICKER logo is at the top left. Below the chevron, the model 'WXA3600.1' and 'Mono Amplifier' are printed. A small circular logo with a horse head is also visible.</p>	<p>KICKER WXA3600.1 Warhorse Mono Amplifier Owner's Manual</p> <p>Owner's manual for the KICKER WXA3600.1 Warhorse mono amplifier, detailing features, installation, wiring, operation, troubleshooting, and warranty information for car audio systems.</p>