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Idatalink ADS-MIC1

iDatalink Maestro ADS-MIC1 Factory Microphone Retention Module User Manual

Model: ADS-MIC1

1. Introduction

The iDatalink Maestro ADS-MIC1 is a module designed to facilitate the retention of your vehicle's factory-installed microphone when upgrading to an aftermarket stereo system. This module acts as an interface, allowing the existing microphone to function with a new compatible head unit, thereby eliminating the need for installing a separate external microphone.

The ADS-MIC1 can operate as a standalone unit or integrate with other iDatalink Maestro modules, such as the ADS-MRR, ADS-MRR2, and ADS-MSR (sold separately). These modules are engineered to maintain and, in some instances, enhance the functionality of your vehicle's original features when an aftermarket radio is installed, particularly with iDatalink-compatible head units. This integration is achieved by connecting the new stereo with the vehicle's existing systems and translating information through the CAN bus network.



Figure 1.1: The iDatalink Maestro ADS-MIC1 module shown alongside its retail packaging. The module is a compact black device, and the packaging highlights its function as a factory microphone interface.

2. KEY FEATURES

- Factory Microphone Retention: Allows continued use of the vehicle's built-in microphone with an aftermarket radio, eliminating the need for a separate external microphone.
- **Web Programmable:** The module is programmable via Weblink Desktop, a computer application, ensuring compatibility with specific vehicles and aftermarket radios.
- Vehicle and Radio Specific: Requires programming tailored to both your specific vehicle and the aftermarket radio for proper functionality.
- Standalone or Paired Operation: Can be installed independently or in conjunction with other iDatalink Maestro modules (ADS-MSR, ADS-MRR, ADS-MRR2) for enhanced integration.
- **Microphone Calibration and Tuning:** Calibrates and tunes the factory microphone for optimal performance and sound quality with the connected aftermarket radio.
- Simplified Installation: When used with an iDatalink Maestro SR, RR, or RR2 module and a vehicle-specific T-Harness, the MIC1 connects directly to the T-Harness for a streamlined installation process.
- Comprehensive Connections: Includes all necessary microphone connection types to support various compatible aftermarket radios.

3. COMPATIBILITY

3.1. Aftermarket Radios

The iDatalink Maestro ADS-MIC1 is designed to work with most aftermarket radios that feature a 3.5mm

microphone input. For the most comprehensive integration, including retention of advanced features like infotainment system control and exclusive Maestro screens (e.g., gauges, vehicle information, climate control), it is recommended to pair the ADS-MIC1 with iDatalink-compatible radios from the following brands:

- Alpine
- JVC/Kenwood
- Pioneer
- Sony
- Jensen
- BOSS Radio

These radios are specifically engineered to integrate seamlessly with iDatalink Maestro modules, including the MIC1, to ensure full feature retention or enhancement within your vehicle.

3.2. Vehicle Compatibility

Vehicle compatibility varies by make, model, and year. It is crucial to check the specific vehicle compatibility charts provided by iDatalink to confirm if your vehicle is supported. The module requires programming specific to your vehicle.

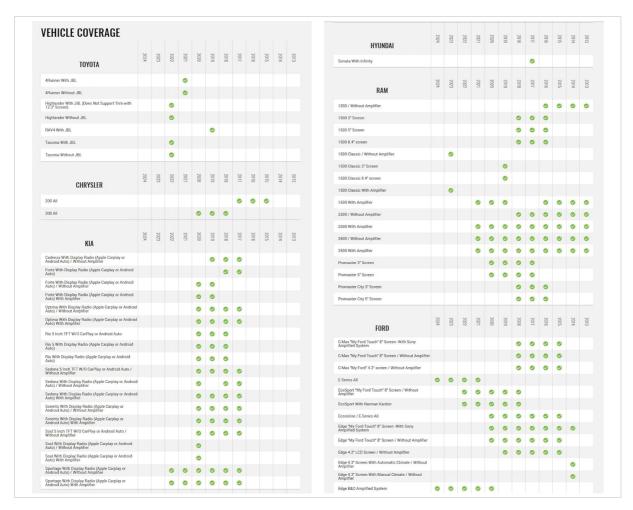
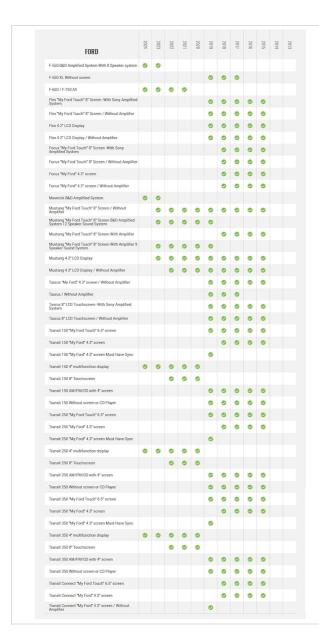


Figure 3.1: Partial vehicle compatibility chart showing supported models and years for Toyota, Chrysler, Kia, Hyundai, Ram, and Ford vehicles. Green circles indicate compatibility.

FORD	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	FORD	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
scape "My Ford Touch" 8" Screen -With Sony Implified System									0	0			F-250 "My Ford" 4.3" screen Without Cargo Camera Button								0				
Escape "My Ford Touch" 8" Screen / Without Amplifier						0	0	0	0	0			F-250 "My Ford" 4.3" screen Without Cargo Camera button on Bezel, Does not retain Sync				0	0	0	0					
Escape "My Ford Touch" 8" Screen / Without Amplifier With CD Player						0	0	0					F-250 / Without Amplifier						0	0	0				
scape "My Ford Touch" 8" Screen / Without Implifier Without CD Player						0	0	0					F-250 B&O Amplified System With 8 Speaker system	0	0										
scape "My Ford Touch" 8" Screen With Sony (Amp lypass required)						0	0	0					F-250 With Sync / Without Amplifier									0	0		
Escape "My Ford" 4.3" screen							0	0	0	0			F-250 Without 8" Screen									0	0		
Escape "My Ford" 4.3" screen / Without Amplifier						0	0	0	0	0			F-250 XL Without screen						0	0	0				
Escape -With Sony Amplified System						0	0	0					F-350 "My Ford Touch" 8" Screen - With Sony Amplified System							0	0	0	0		
Escape B&O Amplified System					0								F-350 "My Ford Touch" 8" Screen / Without Amplifier				0	0	0	0	0	0	0		
Expedition "My Ford Touch" 8" Screen -With Sony Amplified System								0	0	0			F-350 "My Ford Touch" 8" Screen B&O Amplified System					0	0						
Expedition "My Ford Touch" 8" Screen / Without Amplifier				0	0	0	0	0	0	0			F-350 "My Ford" 4.3" screen / Without Amplifier				0	0	0	0					
Expedition "My Ford Touch" 8" Screen With B&O Amp bypass required)				0	0	0	0						F-350 "My Ford" 4.3" screen Without Cargo Camera Button								0				
Expedition "My Ford" 4.3" screen						0	0	0	0	0			F-350 "My Ford" 4.3" screen Without Cargo Camera button on Bezel, Does not retain Sync				0	0	0	0					
Expedition "My Ford" 4.3" screen / Without Amplifier						0	0	0	0	0			F-350 / Without Amplifier						0	0	0				
Expedition B&O Amplified System				0	0	0	0						F-350 B&O Amplified System With 8 Speaker system	0	0										
Explorer "My Ford Touch" 8" Screen -With Sony Amplified System								0	0	0			F-350 With Sync / Without Amplifier									0	0		
Explorer "My Ford Touch" 8" Screen / Without Amplifier						0	0	0	0	0			F-350 Without 8" Screen									0	0		
Explorer "My Ford Touch" 8" Screen With Sony (Amp oypass required)						0	0						F-350 XL Without screen						0	0	0				
Explorer "My Ford" 4.3" screen / Without Amplifier						0	0	0	0	0			F-450 "My Ford Touch" 8" Screen -With Sony Amplified System							0	0	0	0		
Explorer "My Ford" 4.3" screen / Without Amplifier With Sync										0			F-450 "My Ford Touch" 8" Screen / Without Amplifier				0	0	0	0	0	0	0		
Explorer 4.3" Screen With Manual Climate						0	0	0	0				F-450 "My Ford Touch" 8" Screen B&O Amplified System					0	0						
Explorer B&O Amplified System	0	0	0	0	0								F-450 "My Ford" 4.3" screen / Without Amplifier				0	0	0	0					
F-150 "My Ford Touch" 8" Screen -With Sony Amplified System								0	0	0	0		F-450 "My Ford" 4.3" screen Without Cargo Camera Button								0				
F-150 "My Ford Touch" 8" Screen / Without Amplifier					0	0	0	0	0	0	0		F-450 "My Ford" 4.3" screen Without Cargo Camera button on Bezel, Does not retain Sync				0	0	0	0					
F-150 "My Ford Touch" 8" Screen With B&O (Amp oypass required)					0	0	0						F-450 / Without Amplifier						0	0	0				
F-150 "My Ford" 4.3" screen								0	0	0	0		F-450 B&O Amplified System With 8 Speaker system	0	0										
F-150 "My Ford" 4.3" screen / Without Amplifier											0		F-450 With Sync / Without Amplifier									0	0		
F-150 "My Ford" 4.3" screen Does not retain Sync					0	0	0						F-450 Without 8" Screen									0	0		
F-150 / Without Amplifier					0	0	0	0	0	0	0		F-450 XL Without screen						0	0	0				
~150 B&O Amplified System					0	0	0						F-550 "My Ford Touch" 8" Screen -With Sony Amplified System						0	0	0	0	0		
F-150 w/o"My Ford", w/o "My Ford Touch"											0		F-550 "My Ford Touch" 8" Screen / Without Amplifier				0	0	0	0	0	0	0		
F-250 "My Ford Touch" 8" Screen -With Sony Amplified System							0	0	0	0			F-550 "My Ford Touch" 8" Screen B&O Amplified System					0	0						
-250 "My Ford Touch" 8" Screen / Without Amplifier				0	0	0	0	0	0	0			F-550 "My Ford" 4.3" screen / Without Amplifier				0	0	0	0					
F-250 "My Ford Touch" 8" Screen B&O Amplified System					0	0							F-550 "My Ford" 4.3" screen Without Cargo Camera Button								0				
-250 "My Ford" 4.3" screen / Without Amplifier				0	0	0	0						F-550 "My Ford" 4.3" screen Without Cargo Camera button on Bezel, Does not retain Sync				0	0	0	0					

Figure 3.2: Detailed vehicle compatibility chart specifically for various Ford models and years, indicating supported configurations.



JEEP	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Cherokee All			0	0	0	0	0	0	0	0	0	
Compass All				0	0	0	0					
Gladiator / Without Amplifier		0	0	0	0							
Gladiator With Amplifier		0	0	0	0							
Grand Cherokee All					0	0	0	0	9	0	0	
Renegade All				0	0	0	0	0	0	0		
Wrangler JL / Without Amplifier		0	0	0	0	0	0					
Wrangler JL 7* Touch-Screen Does Not Retain Back Up Camera		0										
Wrangler JL 8.4" screen Does Not Retain Back Up Camera		0										
Wrangler JL With Amplifier		0	0	0	0	0	0					
SUBARU	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Impreza All									0	0		
VOLKSWAGEN	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Arteon (Does Not Retain OEM Amplifier)		0	0	0	0	0						
Atlas / Without Amplifier		0	0	0	0	0	0					
Atlas Cross Sport / Without Amplifier		0	0	0	0							
Beetle All					0	0	0	0	0			
CC All								0	0			
GTI / Without Amplifier				0	0	0	0	0	0	0		
Golf / Without Amplifier				0	0	0	0	0	0	0		
Golf Alltrack / Without Amplifier						0	0	0				
DODGE	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Challenger All		0	0	0	0	0	0	0	0	0		
Charger / Without Amplifier					0	0	0	0				
Charger All		0	0	0	0	0	0	0	0	0		
Charger With Amplifier w/o Harman Kardon					0	0	0	0				
Charger With Harman Kardon					0	0	0	0				
Durango All									0	0	0	

Figure 3.3: Additional vehicle compatibility chart covering Ford, Jeep, Subaru, Volkswagen, and Dodge models, with green circles denoting compatibility.

4. SETUP AND INSTALLATION

Installation of the iDatalink Maestro ADS-MIC1 module involves several steps, including programming and physical connection. It is recommended that installation be performed by a qualified professional.

4.1. Programming the Module

- Access Weblink Desktop: The ADS-MIC1 module must be programmed using the iDatalink Weblink Desktop application. This software is typically downloaded and run on a computer.
- 2. Connect the Module: Connect the ADS-MIC1 module to your computer using the provided USB cable.
- 3. **Select Vehicle and Radio:** Within the Weblink Desktop application, select your specific vehicle make, model, and year, as well as the aftermarket radio you intend to install.
- 4. **Flash Firmware:** Follow the on-screen instructions to flash the appropriate firmware onto the ADS-MIC1 module. This process customizes the module for your specific setup.



Figure 4.1: The ADS-MIC1 module connected via USB to a laptop, illustrating the programming process using the Weblink Desktop application.

4.2. Physical Installation

After programming, the module is ready for physical installation in the vehicle.

- Wiring Connections: Connect the ADS-MIC1 to the aftermarket radio using the appropriate microphone connection types provided.
- Integration with T-Harness (Optional): If using with an iDatalink Maestro SR, RR, or RR2 module and a vehicle-specific T-Harness, connect the MIC1 directly to the T-Harness. This simplifies the wiring process by providing a plug-and-play solution for many vehicle systems.
- Secure Placement: Ensure the module and all wiring are securely placed and routed to prevent interference or damage.



Figure 4.2: The ADS-MIC1 module displayed with its accompanying cables, including microphone connection types and a USB cable for programming.

5. OPERATING THE MODULE

Once properly installed and programmed, the iDatalink Maestro ADS-MIC1 operates automatically. Its primary function is to enable the vehicle's factory microphone to work seamlessly with your new aftermarket radio.

- Hands-Free Calling: The factory microphone will be available for hands-free calling through your aftermarket radio's Bluetooth or other communication features.
- Voice Commands: If your aftermarket radio supports voice commands, the factory microphone will be utilized for these functions.
- Audio Quality: The module calibrates and tunes the microphone to ensure optimal audio performance and clarity for calls and voice interactions.

No direct user interaction with the module itself is required during normal operation. Its function is to bridge the communication between the factory microphone and the aftermarket head unit.

6. MAINTENANCE

The iDatalink Maestro ADS-MIC1 module is designed to be maintenance-free once installed. There are no user-serviceable parts inside. Keep the module free from moisture and extreme temperatures.

• **Firmware Updates:** Periodically check the iDatalink website for potential firmware updates for the ADS-MIC1 module. Updates can be applied using the Weblink Desktop application and may offer improved

compatibility or performance.

• Cleaning: If necessary, gently wipe the exterior of the module with a dry, soft cloth. Do not use liquid cleaners or solvents.

7. TROUBLESHOOTING

If you encounter issues with your ADS-MIC1 module, consider the following troubleshooting steps:

• No Microphone Functionality:

- Verify that the module was correctly programmed for your specific vehicle and aftermarket radio using Weblink Desktop.
- Check all wiring connections between the ADS-MIC1, the aftermarket radio, and the vehicle's factory microphone harness. Ensure connections are secure.
- Confirm that your aftermarket radio has a 3.5mm microphone input and that the ADS-MIC1 is connected to it.
- Ensure the aftermarket radio's settings are configured to use an external microphone input, if applicable.

• Poor Audio Quality:

- Re-verify programming to ensure correct vehicle and radio settings, which affect microphone calibration.
- Check for any loose connections or interference in the wiring.
- Ensure the factory microphone itself is not obstructed or damaged.

• Module Not Recognized by Weblink Desktop:

- Try a different USB port on your computer.
- Ensure the USB cable is fully inserted and not damaged.
- Restart the Weblink Desktop application and/or your computer.
- Check for updated USB drivers for your computer.

If these steps do not resolve the issue, contact iDatalink customer support or consult a professional installer.

8. Specifications



 $\label{thm:problem} \mbox{Figure 8.1: A detailed view of the ADS-MIC1 module, showing its compact design and various ports.}$

Feature	Detail
Model Number	ADS-MIC1
Brand	Idatalink
Package Dimensions	4 x 4 x 1.25 inches
Item Weight	0.25 Pounds (4 ounces)
Material	Copper, Polyvinyl Chloride (PVC)
Connector Type	3.5mm Jack
Compatibility	Aftermarket radios with 3.5mm mic input; iDatalink Maestro modules (MRR, MRR2, MSR)
Programming	Weblink Desktop application

9. WARRANTY AND SUPPORT

Specific warranty details for the iDatalink Maestro ADS-MIC1 module are typically provided at the point of purchase or within the product packaging. Please refer to the documentation included with your purchase for precise warranty terms and conditions.

For technical support, installation assistance, or further inquiries, please contact iDatalink customer support directly. You can usually find contact information on the official iDatalink website (www.idatalink.com) or through your authorized iDatalink dealer.

Related Documents - ADS-MIC1



iDatalink Maestro RR Install Guide for Volkswagen Arteon

Comprehensive installation guide for the iDatalink Maestro RR and HRN-HRR-VW2 harness in 2019-2023 Volkswagen Arteon vehicles without an amplifier. This guide details wiring, connections, and troubleshooting for retaining steering wheel controls, factory amplifier, and analog outputs.



iDatalink Maestro RR Install Guide for Chevrolet Camaro (2010-2015)

Comprehensive installation guide for the iDatalink Maestro RR and CAM1 Dash Kit in 2010-2015 Chevrolet Camaros, detailing dash disassembly, wiring, and module diagnostics.



iDatalink Maestro RR Install Guide for Buick Enclave

Comprehensive installation guide for the iDatalink Maestro RR and RR2 modules in 2008-2017 Buick Enclave vehicles. Learn how to retain steering wheel controls, OnStar, Bluetooth, and more.



iDatalink Maestro RR Install Guide for Ford Edge with MyFord Touch

Comprehensive installation guide for the iDatalink Maestro RR and RR2 radio replacement interfaces in Ford Edge vehicles equipped with MyFord Touch (2011-2019). Includes step-by-step instructions, wiring diagrams, and troubleshooting tips.



iDatalink Maestro MIC1 Install Guide: Retains Factory Microphone

This iDatalink Maestro MIC1 installation guide provides instructions and wiring diagrams for retaining your vehicle's factory microphone when installing an aftermarket radio. It details connections for Maestro RR, RR2, and SR radio replacement interfaces and specific aftermarket radio brands.



iDatalink Maestro RR Install Guide: Enhance Your Scion FR-S or Subaru Vehicle Audio System

This comprehensive install guide provides step-by-step instructions for installing the iDatalink Maestro RR and RR2 radio replacement interfaces in compatible Scion FR-S and Subaru vehicles. Learn how to retain steering wheel controls and enhance your car audio experience.