



# OWNER'S GUIDE GM5 & PIONEER RADIO

RETAINS STEERING WHEEL CONTROLS, ONSTAR™,  
AND MORE!



## PRODUCTS REQUIRED

iDataLink Maestro RR Radio Replacement Interface  
GM5 Installation Harness

## OPTIONAL ACCESSORIES

AV GM5 - Rear Seat Video Retention Harness  
SPGM5 - Optional Speaker for GM5 Vehicles

## PROGRAMMED FIRMWARE

ADS-RR(SR)-GMS05-DS

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.

# WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

This guide is a great addition to both the vehicle owner's guide and the aftermarket radio owner's guide. We recommend having both these documents handy as they cover all the functionality that the Maestro RR retains.

**Please note that all the retained functionalities must be initially available in the vehicle.**

# NEED HELP?

 **1 866 427-2999**

 **support@idatalink.com**

 **maestro.idatalink.com/support**  
**www.12voltdata.com/forum**

## USING YOUR STEERING WHEEL CONTROLS

<b>SEE YOUR QUICK REFERENCE CARD</b>	<b>3</b>
--------------------------------------	----------

<b>RETAINING ONSTAR</b>	<b>3</b>
-------------------------	----------

## USING FACTORY SYSTEMS

<b>ONSTAR</b>	<b>4</b>
---------------	----------

<b>OEM XM SATELLITE RADIO</b>	<b>4</b>
-------------------------------	----------

<b>REAR SEATS AUDIO CONTROLS</b>	<b>4</b>
----------------------------------	----------

<b>REAR SEAT VIDEO SYSTEM</b>	<b>5</b>
-------------------------------	----------

## MAESTRO FEATURES

<b>VEHICLE INFO</b>	<b>6</b>
---------------------	----------

Access and Display Vehicle Info Screen	6
--	---

Access and Change Vehicle Info Settings	6
---	---

•Check Engine Alert	6
---------------------	---

•Door Alert	6
-------------	---

•TPMS Alert	6
-------------	---

<b>GAUGES</b>	<b>7</b>
---------------	----------

Access and Display Gauges Screen	7
----------------------------------	---

Access and Change Gauges Settings	7
-----------------------------------	---

•Select Gauges	7
----------------	---

•Center Gauge Warning Text	7
----------------------------	---

•Fuel Economy	7
---------------	---

•Validate PIDs	7
----------------	---

•About Gauges	7
---------------	---

•OBD2 Communication	8
---------------------	---

<b>PARKING ASSIST</b>	<b>9</b>
-----------------------	----------

Access and Display Parking Assist Screen	9
--	---

Access and Change Parking Assist Settings	9
---	---

## CHANGING OTHER SETTINGS

<b>VEHICLE FEATURES SETTINGS</b>	<b>10</b>
----------------------------------	-----------

•Chime Volume	10
---------------	----

•Mute During Chime	10
--------------------	----

•Turn Signal Reminder	10
-----------------------	----

•Onstar Turn-By-Turn Info Screen	10
----------------------------------	----

•Vehicle Amplifier	10
--------------------	----

•Rear Seat Audio Controls	10
---------------------------	----

<b>MAESTRO FEATURES SETTINGS</b>	<b>11</b>
----------------------------------	-----------

Access and Change Maestro Settings	11
------------------------------------	----

•Module Audio Gain	11
--------------------	----

•Module Master Reset	11
----------------------	----

•Accessory During Crank	11
-------------------------	----

# USING YOUR STEERING WHEEL CONTROLS *(If equipped)*



Your steering wheel buttons can be used to control your aftermarket Pioneer radio. You can assign steering wheel buttons to Pioneer radio functions. Simply program your Maestro RR module online using the Weblink updater and customize your buttons. Each steering wheel button can control up to two radio features.

## SEE YOUR QUICK REFERENCE CARD

A quick reference card showing your steering wheel configuration can be printed on the Maestro website during the flashing process. If you had your product installed professionally, ask your installer to print this card for you during installation.

maestro STEERING WHEEL CONFIGURATION REFERENCE CARD			maestro STEERING WHEEL CONFIGURATION REFERENCE CARD
button	press once	press and hold	
Volume Up	Volume +	None	
Volume Down	Volume -	None	
Track Up / Preset Up	Seek +	Answer Call	
Seek Up	Display Navigation Screen	Band (FM,SAT)/Folder +	
Track Down / Preset Down	Seek -	Hang Up/Reject Call	
Source	Next Source	Previous Source	
Mute / Voice	Mute On/Off	uConnect Voice Prompt	
			VEHICLE TRIM: RADIO:
			<a href="http://maestro.idatalink.com">http://maestro.idatalink.com</a>

## RETAINING ONSTAR

When Maestro is programmed to retain OnStar, some of the steering wheel buttons will work differently when OnStar is active. For steering wheel button operation when OnStar is active.

See table below:

Steering Wheel Buttons	Press and Release	Press and Hold	References
	OnStar Volume Up	Not available	Not available
	OnStar Volume Down	Not available	Not available
	OnStar functions	OnStar functions	See vehicle owner's guide
	OnStar functions	OnStar functions	See vehicle owner's guide
	OnStar functions	OnStar functions	See vehicle owner's guide

# USING YOUR FACTORY SYSTEMS



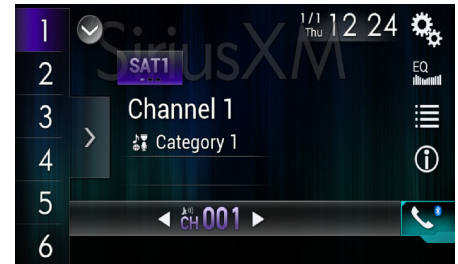
The following section explains how to access and operate the factory systems that have been retained. Your vehicle must already be equipped with these systems.

## ONSTAR

For it to be functional, this feature must be retained during the Maestro RR online programming with the Weblink Updater. When OnStar is active and the Pioneer radio is on, a popup screen will appear during the OnStar operation.

## OEM XM SATELLITE RADIO




Press on XM Satellite Radio to listen to the factory XM satellite radio tuner. This allows you to use the tuner that's already in your vehicle, rather than installing an aftermarket tuner. Your vehicle must be equipped with a tuner for it be retained by the Maestro RR module.



Satellite Radio must be selected during the Maestro RR online programming with the Weblink Updater. An XM subscription is required to receive XM radio services. If your tuner needs to be activated, tune to channel 0 to see your radio ESN which is required for an activation (as shown above).

## REAR SEAT AUDIO CONTROLS

The Rear Seat Audio Controls can be used to control the radio from the rear seat. These are most often located on the back of the center console. The picture below is representative and your controls may vary slightly. These controls can be enabled and disabled from the Maestro Settings menu as described later in this guide.

Rear Seat Audio Control Buttons	Functions with RSA power turned OFF	Functions with RSA power turned ON
	Toggles the RSE power to on. If the power is switched off the LCD will show Dual Zone Off and all speakers will play the audio from the primary radio source.	Toggles the RSE power to off. If the power is switched on the LCD will show Dual Zone On and the radio will be placed in Dual Zone automatically. The rear speakers will mute and the controller will show you the rear source selected in radio.
<b>SRCE</b>	Changes the Primary radio source to the next source.	Changes the rear source to the next source. The RSA screen will display the selected source.
	Sends a Track Up command to the radio. The function that results is controlled by a setting in the Pioneer radio.	The right arrow will increase the rear master volume level.
	Sends a Track Down command to the radio. The function that results is controlled by a setting in the Pioneer radio.	Changes the rear source to the previous source. The RSA screen will display the selected source.
<b>LEFT &amp; RIGHT KNOBS</b>	No function	Adjusts the volume of the left and right headphones.

# **USING YOUR FACTORY SYSTEMS** *(Continued)*

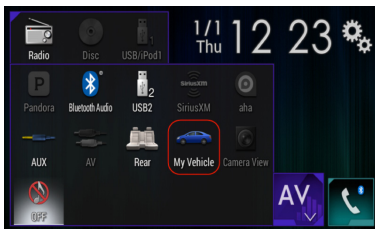


## **REAR SEAT VIDEO SYSTEM**

If your vehicle is equipped with the factory rear seat video system, it will be detected by the Maestro RR module and it will operate. An optional harness, the AVGM5, is required to connect the Pioneer radio to the RSV system. This will provide connections for the video output of the Pioneer radio to drive the factory screen and also provide connections to connect the AUX A/V input to the A/V input of the Pioneer radio.

# USING MAESTRO FEATURES - VEHICLE INFO

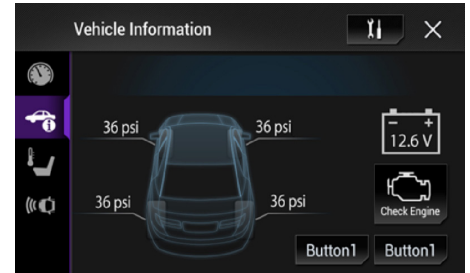
## HOW TO GET THERE:



## VEHICLE INFORMATION

### Access And Display Vehicle Info Screen

To access Maestro features, enter the My Vehicle menu. Press on the Vehicle Info icon to display information about the vehicle such as tire pressure, battery voltage and open entry points. If your vehicle is equipped with a compatible tire pressure monitoring system (TPMS), the digital tire pressures will be displayed for each tire. Should your check engine light come on, the CHECK ENGINE button will become active and you will be able to press this button to see the active trouble codes and attempt to reset them.



### Access And Change Vehicle Info Settings



Access the Maestro settings to configure the alerts that can be generated. These alerts will cause the Vehicle Info screen to come up when certain conditions occur.

- Check Engine Alert

Enables the Vehicle Info screen to be displayed automatically when the check engine light turns on in the vehicle. The diagnostic codes can be read and cleared.

*Warning: If the check engine light turns on after clearing the trouble code, it may indicate serious problems with the engine. Have the vehicle serviced by a qualified technician.*

- Door Alert

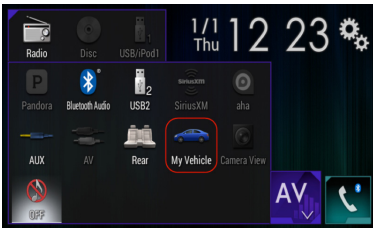
Enables the Vehicle Info screen to be displayed automatically if a door is opened or left open when the vehicle speed exceeds 5 mph or 8 km/h.

- TPMS Alert

Enables the Vehicle Info screen to be displayed automatically when a TPMS fault is detected (only if TPMS is available in the vehicle and supported by Maestro).

# USING MAESTRO FEATURES - GAUGES

## HOW TO GET THERE:



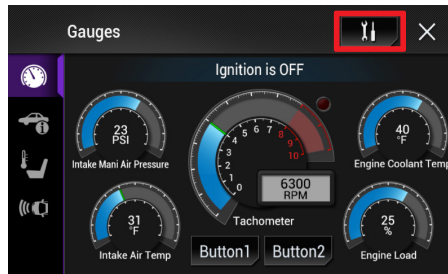
## GAUGES

### Access And Display Gauges Screen

In the My Vehicle menu, press on Gauges icon to view the gauges that are selected. The display style of the gauge can be changed by tapping the face of each gauge. You can also press and hold each gauge to configure it. During the installation, the default gauge choices will be displayed. When the Maestro RR module is installed, the vehicle is queried and the gauges that can be supported are enabled.



### Access And Change Gauges Settings



#### •Select Gauges

When choosing a new gauge from the list, the supported gauges will be displayed in white text and the non-supported gauges will be displayed in gray text. If a gauge is displayed in gray text with a number next to it, the gauge is supported and is already assigned to another gauge on the screen. Some gauges have options that can be set. You will see these appear when you select

a gauge that has options. In order to use some of the fuel economy gauges, you will need to enter your fuel tank capacity. This information can usually be found in your vehicle owner's guide.



#### •Center Gauge Warning Text

Allows the choice of displaying text when the center gauge reaches its peak.

#### •Fuel Economy

For accurate fuel economy information, the fuel tank capacity must be entered in this section of the settings menu.

#### •Validate PIDs (Parameter Identifiers)

Accesses the factory system to determine which gauges can be supported. This is done automatically when the module powers up. It is only required to be done manually if the module has been re-flashed.

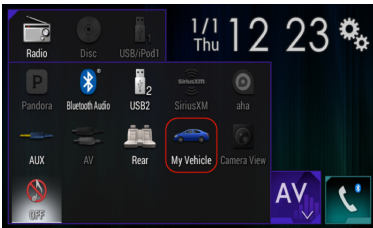
#### •About Gauges

This screen will display a pop-up with information about the gauges.



# USING MAESTRO FEATURES - GAUGES

## HOW TO GET THERE:



### •OBD2 Communication

#### **Auto Disable (default)**

The module will communicate with the vehicle's OBD2 system unless it detects another device. This may be a scan tool or aftermarket programmer connected to the vehicle.

#### **Always Enabled**

The module will communicate with the vehicle's OBD2 system even when a scan tool or aftermarket programmer is connected. However, some scan tools and aftermarket programmers will not function when this option is enabled.

#### **Disabled**

The module will not communicate with the vehicle's OBD2 system. This option applies when using a scan tool or aftermarket programmer that does not allow multiple connections at the same time.

#### **Enabled on Demand**

The module will only communicate with the vehicle's OBD2 system when the vehicle info or gauges screen is displayed. This is used in vehicles that issue a periodic vehicle health report through a factory system such as Sync or OnStar. However, applying this setting may cause the fuel economy calculations to be inaccurate.



# USING MAESTRO FEATURES - PARKING ASSIST

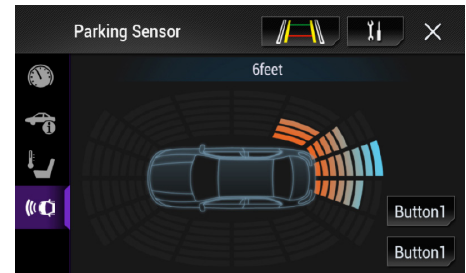
## HOW TO GET THERE:



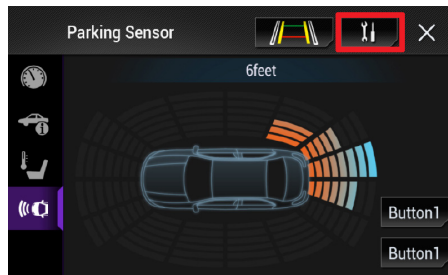
## PARKING ASSIST

### Access And Display Parking Assist Screen

In the My Vehicle menu, press on Parking Assist to see the visual parking assist screen. This option will only be available if the Maestro detects that your vehicle is equipped a compatible factory parking sensor system.



### Access And Change Parking Assist Settings



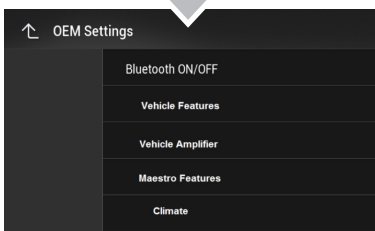
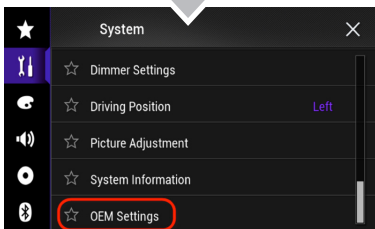
In the Parking Assist screen, press the Settings button to configure this feature.

When parking assist interrupt is set to ON, the Maestro parking assist screen will pop up when the vehicle is in reverse.

You can change the units of length from feet to meters

# CHANGING OTHER SETTINGS

## HOW TO GET THERE:



There are several programmable options that affect the way that the Maestro interface works with your vehicle. Not all settings are described here. These additional settings enable you to customize the features of the system.

### VEHICLE FEATURES SETTINGS

- Chime Volume

To change the the chime volume, press on the screen arrows. It should play a test chime to demonstrate the new chime volume setting.

- Mute During Chime

To change the behavior of the vehicle's warning chime or information chime, press on the Mute During Chime tab.

Press ON and the audio source will be muted in all speakers when chimes are generated making only the chimes audible.

Press OFF and the chimes will be audible in the left front speaker. All The other speakers will continue to play the audio source.

*NOTE: When listening to the factory installed XM Satellite Radio, the audio source will always be muted when chimes are generated.*

- Turn Signal Reminder

To change the behavior of the turn signal reminder, press on the Turn Signal Reminder tab. Press on CLICK IN SPEAKER and a clicking sound will be audible in the left front speaker. That sound will be blended to the audio source. Some volume reduction may be audible.

*NOTE: When listening to the factory installed XM Satellite Radio, the clicking sound will not be audible. If the turn signal is left on, a warning chime will be audible.*

Press on CHIME IF LEFT ON and no sound will be audible when you use turn signals, if you leave them on and drive for a short distance, a chime will be audible and a message will appear in the Driver Information Center.

- Onstar Turn-By-Turn Info Screen

To change the display time of the information screen when the OnStar turn-by-turn navigation is active, press on the OnStar Turn-By-Turn Info Screen tab.

- Vehicle Amplifier

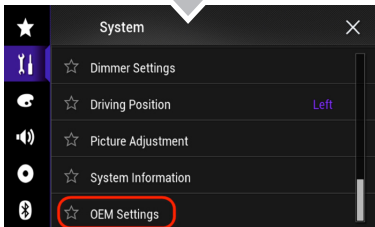
To adjust the settings of your factory amplifier, press on Vehicle Amplifier. This setting will only appear if your Maestro RR module detects a compatible amplifier in your vehicle. This feature must be retained during the Maestro RR online programming with the Weblink Updater. To learn more about your Vehicle Amplifier settings, see your vehicle Owner's Guide.

- Rear Seat Audio Controls

To enable or disable the rear seat audio controls, press on the Rear Seat Audio Controls tab. This setting will only appear if your Maestro RR module detects compa-tible rear seat audio controls in your vehicle.

# CHANGING OTHER SETTINGS

## HOW TO GET THERE:



## MAESTRO FEATURES SETTINGS

### Access And Change Maestro Features

- **Module Audio Gain**  
Used to adjust the audio gain of the Maestro module. All audio that passes from the factory systems into the Maestro will be affected by this setting (ex: audio from the Sync system).
- **Module Master Reset**  
Used to reset the Maestro module.
- **Accessory During Crank**  
If this setting is turned ON, the radio will stay powered while the engine is started. If this setting is turned OFF, the accessory circuit will drop out while the engine cranks, like a normal accessory circuit.

