



Expand Your Factory Radio

add

iPod®



Mazda

**Owner's Manual
Media Gateway
PXAMG**

PGHMZ1



iSimple®

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Media Gateway & Optional Add-ons



Factory Radio
Not Included

Media Gateway Harness
Part #: PGHMZ1



***The Media Gateway
will only support 2
inputs.**

Media Gateway
Part #: PXAMG



HD Radio

OR



iPod Input

OR



Satellite Radio

OR



ISBT21

OR



AUX Input

1. Introduction

Thank you for purchasing the iSimple® Media Gateway. The Media Gateway is designed to provide endless hours of listening pleasure from your factory radio. To ensure that your iPod performs correctly with your radio, we recommend that you read this entire manual before attempting installation of the Media Gateway.

The Media Gateway allows connectivity for iPod, Sirius Satellite Radio tuner (SCC1 sold separately) and the HD Radio tuner (HDRT sold separately), enabling full control of these devices from the factory installed radio. It also retains original system features such as satellite radio and rear seat entertainment (if equipped).

2. Precautions

UPDATING iPod FIRMWARE

Updating the firmware prior to installation or future firmware updates for your iPod may affect the features and functions described in this manual.

PREVENTING DAMAGE TO YOUR VEHICLE OR IPOD.

To eliminate the risk of an electrical short, we recommend disconnecting the vehicle's battery prior to installation. If you do not feel comfortable making these connections, we suggest you seek professional installation. We recommend that the iPod be disconnected from the interface when the vehicle is not in use.

PROPER MOUNTING LOCATION

Securely install the interface in a location free from; heat, humidity, moving parts, sharp metal edges or direct sunlight. We recommend securing the interface to a suitable location using; double sided tape, Velcro™ or zip-ties.

3. Compatibility Notes

Radio MUST have a button labeled “SAT”. This indicates that the radio is satellite ready. Please visit www.isimplesolutions.com for the most up to date application information and to verify your vehicle’s compatibility.

4. Dipswitch Settings

Mazda 3 with BOSE
Mazda 6 Non-Navigation



**Mazda CX-9 with Navigation &
*Mid-Line Radio**
**Mazda 6 with Navigation &
*Mid-Line Radio**



All Other Vehicles



*The Mid-Line Radio will have a small color LCD in the middle of the face of the radio and will not have a separate text display.

5. Installation

1. When making electrical connections it is always recommended that the vehicle's battery be disconnected from the electrical system before performing the installation.

Please Note: If the radio is equipped with a built in CD Changer, please remove ALL discs before proceeding to prevent damage to the radio's CD mechanism.

2. Carefully remove the trim panels covering the screws that secure the radio into the dash cavity. Remove these screws and carefully pull the radio from the dash of the vehicle. This will provide access to the factory radio connectors where you will connect the Media Gateway harness.
3. Disconnect the factory 24-pin & 16-Pin harness (if present) from the back of the radio. Disconnect the antenna from the radio.
4. Connect the 8-Pin iPod docking cable into the first port on the Media Gateway (farthest away from dipswitches). Carefully run the 11 foot iPod cable behind the dash to the location where the iPod will be mounted or stored (for example the glove box or center console). This location will vary based on the vehicle, and the customer's preference. When running this cable through the dash be sure to secure it away from moving parts or sharp metal edges that may damage the cable.
5. Connect the 8-Pin auxiliary input cable to the second port (closest to the dipswitches) on the Media GateWay if an additional auxiliary input is desired.
6. If connecting the HD Radio Tuner (HDRT sold separately), make the following connections **before connecting the PXAMG to the vehicle**. Plug the 3 foot HD Radio Cable (8-Pin mini-din to 8-Pin mini-din) into the second port (closest to the dipswitches) on the Media GateWay. Connect the other end of this cable into the HD Radio tuner. Connect the factory antenna cable into the antenna connection on the HD Radio tuner (HDRT).
7. If connecting the Satellite Radio tuner (SCC1 sold separately), make the following connections **before connecting the PXAMG to the vehicle**. Plug the black end of the 3 foot ISSR11 (8-Pin mini-din to 8-Pin mini-din; sold separately) into the second port (closest to the dipswitches) on the Media GateWay. If you are installing the Satellite Radio Tuner with the HDRT, connect the ISSR11 cable to the port farthest from the dipswitches. Connect the gray end of this cable into the Satellite Radio tuner.
8. If connecting the ISBT21 (sold separately), make the following connections **before connecting the PXAMG to the vehicle**. Plug the 3 foot ISBT21 Cable (8-Pin mini-din to 8-Pin mini-din) cable into the first port (farthest from the dipswitches) on the Media GateWay. Connect the other end of this cable into the ISBT21. Connect the microphone cable into the 3.5 mm connection on the ISBT21.

9. Plug in the male connectors on the PGHMZ1 harness into the 24-pin & 16-pin port on the back of the radio. Next, connect the factory 24-pin & 16-pin harness (if present) into the female connector on the PGHMZ1 harness. Be sure to make a firm connection but do not force it. Plug the Black micro-fit 24-pin connector on the PGHMZ1 harness into the PXAMG Media Gateway box.
10. To complete the installation secure the Media Gateway (PXAMG) and HD Radio tuner (HDRT if equipped) into the cavity in the dash behind the radio. Be sure that the cables and interface modules are not near moving parts or sharp metal edges as they may damage the cables. To prevent rattling noises inside the dash, use zip ties, tape, or other fasteners to mount the interfaces securely.
11. With all connections made, reconnect the vehicle's battery, insert the key into the ignition, and turn the vehicle on. Check for proper operation of the Media Gateway and HD Radio tuner before reinstalling the factory dash panels.

IMPORTANT NOTES PLEASE READ!

1. The first time you access the Media Gateway, your radio will display “UPDATING” for up to one minute. If you are installing satellite radio the process will be longer and happen twice. During this process please **DO NOT** press any buttons or turn the ignition off. This process is very important to the Media Gateway's operation. Once this process is over you can begin normal gateway operation.
2. It is very important that you keep the text display in the field that has the **_underscore**. This will give you the most user friendly Media Gateway experience.
3. If at any time you press a preset button and the display reads “Invalid Channel”, once the text clears, press and hold that preset button until a beep is heard. The preset button will now operate as it should.

6. iPod Operation

Entering Mode Select Menu

Press the “**SAT**” button to enter satellite radio mode. Press the “**CATEGORY UP**” or “**CATEGORY DOWN**” button to scroll through the available sources until “**IPOD**” is displayed. If satellite radio is present, the Media Gateway sources will show up **AFTER** the last satellite radio category.

Next Track

Turn the **TUNE KNOB** clockwise or press “**TUNE ▲**” to advance to the next track.

Previous Track

Turn the **TUNE KNOB** counter-clockwise or press “**TUNE ▼**” to move back to the previous track.

Fast Forward

Press **PRESET 4** to fast forward the song that is playing. Press **Preset 4** again to resume normal playback.

Rewind

Press **PRESET 3** to rewind the song that is playing. Press **PRESET 3** again to resume normal playback.

Random

Press Preset 2 to turn the Random feature on/off

Entering “BROWSE” Menu / Select

Press **PRESET 6** to enter the browse menu or to make a selection while in the browse menu.

Menu UP

Press **PRESET 5** to move back one step in the browse menu.

Exit Browse menu

After 10 seconds of inactivity, the browse menu will time out and return to normal operation.

Steering Wheel Controls

Press and hold the “▲” button to advance to the next track.

Press and hold the “▼” button to return to the previous track.

7. HD Radio Operation

Entering Mode Select Menu

Press the “**SAT**” button to enter satellite radio mode. Press the “**SAT**” button to enter satellite radio mode. Press the “**CATEGORY UP**” or “**CATEGORY DOWN**” button to scroll through the available sources until “**HD-FM**” or “**HD-AM**” is displayed. If satellite radio is present, the Media Gateway sources will show up AFTER the last satellite radio category.

Manual or Auto Tuning

Press **PRESET 6** to switch between manual and auto tuning

Tune Up

Turn the **TUNE KNOB** clockwise or press “**TUNE ▲**” to tune up.

Tune Down

Turn the rotary **TUNE KNOB** counter-clockwise or press “**TUNE ▼**” to tune down

Store Presets

Tune to the station you want to store as a preset. Press and hold the preset button on which you want to store the channel.

Recall Presets

Press the preset button that corresponds with the channel you want to recall.

Changing Display

Press the “**DISPLAY**” button to toggle between HD artist and HD title.

8. Sirius Satellite Radio Operation

PLEASE NOTE: When tuning through satellite radio stations you will see channels in the 200+ range. These are Media Gateway modes and will display “Invalid Channel” if selected.

Entering Mode Select Menu

Press the “**SAT**” button to enter satellite radio mode.

Channel Up

Turn the rotary **TUNE KNOB** clockwise or press “**TUNE ▲**” to move up through the channels

Channel Down

Turn the rotary **TUNE KNOB** counter-clockwise or press “**TUNE ▼**” to move down through the channels

Category Up

Press the “**CATEGORY UP**” button to move up through the categories.

PLEASE NOTE: Some satellite Radio Categories may not be available when using the Category Up button. Please use the Category Down button to access these categories.

Category Down

Press the “**CATEGORY DOWN**” button to move down through the categories.

Store Presets

Tune to the station you want to store as a preset. Press and hold the preset button on which you want to store the channel.

Recall Presets

Press the preset button that corresponds with the channel you want to recall.

Changing Display

Press the “**DISPLAY**” button to display artist and track information

9. Selecting AUX Input

Entering Mode Select Menu

Press the “**SAT**” button to enter satellite radio mode. Press the “**CATEGORY UP**” or “**CATEGORY DOWN**” button to scroll through the available sources until “**AUX 1**” or (if present) “**AUX 2**” is displayed. If satellite radio is present, the Media Gateway sources will show up AFTER the last satellite radio category.

10. Mazda CX-9 & Mazda 6 Navigation & Mid-Line Radio Operation

In the Mazda CX-9 & Mazda 6 equipped with the Navigation & Mid-Line Radio the Media Gateway offers basic control of the ipod only. There are no text or advanced browsing features supported.

Entering Mode Select Menu

Press the “**SAT**” button to enter satellite radio mode. Press the “**CATEGORY UP**” or “**CATEGORY DOWN**” button to scroll through the available sources until “**AUX 1**” or “**AUX 2**” is displayed. If satellite radio is present, the Media Gateway sources will show up AFTER the last satellite radio category.

PLEASE NOTE: If when turning the Tune Knob to change tracks, the radio displays “Invalid Channel”, please press the “**CATEGORY ON**” icon on the navigation screen.

Next Track

Turn the **TUNE KNOB** clockwise or press “**TUNE ▲**” to advance to the next track.

Previous Track

Turn the **TUNE KNOB** counter-clockwise or press “**TUNE ▼**” to move back to the previous track.

11. Troubleshooting

Symptom	Cause	Remedy
Radio shows iPod not connected	iPod cable is not connected to iPod or Gateway.	Verify the docking cable is connected to the Media Gateway, and the iPod
I can not correctly control the iPod through the radio.	The iPod firmware may be out of date.	Update iPod firmware for free at http://www.apple.com/ipod/download
I have updated my iPod's firmware and still have control issues	Sometimes the iPods needs to be reset	Press and hold the click wheel (center button) and the menu button for 10 seconds. This will reboot the iPod. YOU WILL NOT LOSE MUSIC on the iPod by doing this reset
The radio says "Invalid Channel" when I push a preset.	The radio is trying to call a channel that is not there.	Press and hold the preset until a beep is heard.
I can't use my iPod's click wheel to select music	The iPod is in external control mode. This allows text to be displayed on the radio screen	Press the Category Up button until AUX 1 is displayed to control the iPod manually using the click wheel
The Media Gateway does not recognize the HD Radio tuner (HDRT)	The HD tuner was not properly connected when the PXAMG was first connected and initialized.	HDRT must be connected before the PXAMG is powered on . Disconnect the PXAMG from the vehicles harness for 5 minutes. Verify the 8 pin DIN HDRT cable is securely connected at both ends before reconnecting the vehicle harness.
Radio shows "Updating"	Gateway device is initializing	This may happen twice the first time the PXAMG is powered on and will take a few minutes. Once this process is over you can resume normal gateway operation.
When I listen to the factory AM or FM radio there is only static, no audio.	Factory antenna cable is connected to the HD Radio tuner.	Use Gateway to access HD Radio source. This will provide all AM and FM reception for your vehicle.
No AM or FM reception using the HD Radio source	Factory antenna cable is not connected to the HD Radio tuner (HDRT)	Remove from factory radio, connect into HDRT module. Note* some vehicles need to use the supplied antenna adaptor to make this connection.
HD Radio station quality fluctuates or is lost randomly	The HD Tuner is temporarily losing reception of the Digital HD Radio broadcast signal	This is expected performance. The Digital HD Radio playback will resume in areas of higher broadcast signal strength.

12. Warranty

One Year Limited Warranty

The quality controls used in the manufacture of this product will ensure your satisfaction. This warranty applies only to the original purchaser of this product from an authorized iSimple dealer. This warranty covers any supplied or manufactured parts of this product that, upon inspection by iSimple authorized personnel, is found to have failed in normal use due to defects in material or workmanship. This warranty does not apply to installation expenses. Attempting to service or modify this unit, operating this unit under conditions other than the recommended voltage will render this WARRANTY VOID.

Unless otherwise prescribed by law, iSimple shall not be liable for any personal injury, property damage and or any incidental or consequential damages of any kind (including water damage) resulting from malfunctions, defects, misuse, improper installation or alteration of this product. All parts of this iSimple product are guaranteed for a period of 1 year as follows:

Within the first 12 months from date of purchase, subject to the conditions above, iSimple will repair or replace the product at their discretion, if it is defective in material or workmanship providing it is returned to an Authorized iSimple Dealer, with PROOF OF PURCHASE from an authorized iSimple dealer.

Warning:

This equipment may be reset by unintentional electrostatic discharge during operation. Exposure to direct sunlight or extreme heat may cause damage or malfunction.

FCC Class B Radio Frequency

Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorientate or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that of which the receiver is connected.
4. Consult the dealer or an experienced radio / television technical for help.

Notice : The changes or modifications not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.



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Notes

Notes

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