



Expand Your Factory Radio

add

iPod®



**TOYOTA /
LEXUS / SCION**

**Owner's Manual
Media GateWay
PXAMG**

ISTY571



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Media GateWay & Optional Add-ons



**Factory Radio
Not Included**

Media GateWay Harness
Part #: PGHTY1



Media GateWay
Part #: PXAMG



HD Radio

OR



iPod Input

OR



Satellite Radio

OR



ISBT21

OR



AUX Input

NOTES

- * The Media GateWay will only support 2 inputs.
- * Only satellite radio emulation mode supports aftermarket Satellite Radio, HD Radio or the ISBT21.

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 iSimple Media GateWay has four modes of operation: Satellite Radio mode, CD Changer mode, DVD MP3 mode and CDC MP3 mode. Your mode of operation will be based on your radios compatibility and personal preference.

When used in Satellite Radio mode mode, the Media GateWay allows connectivity for iPod, Sirius Satellite Radio tuner (SCC1 sold seperately), Bluetooth (ISBT21 sold seperately) and the HD Radio tuner (HDRT sold separately), enabling full control of these devices from the factory installed radio.

When used in CD Changer mode, the Media GateWay allows connectivity for iPod & one Auxiliary input. HD Radio, aftermarket Satellite Radio & ISBT21 Bluetooth are not supported. iPod support in this mode allows browsing of playlists only. If you are only using the Media GateWay for iPod or auxiliary input you may find this mode of operation slightly easier to use.

When used in DVD MP3 or CDC MP3 mode, the Media GateWay allows connectivity for iPod & one Auxiliary input. HD Radio, aftermarket Satellite Radio & ISBT21 Bluetooth are not supported. iPod support in this mode allows browsing of playlists, artists, albums & songs.

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 owner's 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

Please visit www.isimplesolutions.com for the most up to date application information and to verify your vehicle's compatibility.

4. Dipswitch Settings

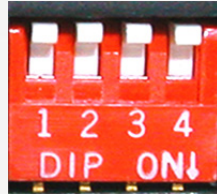
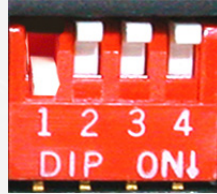
Satellite Radio Mode

Radio MUST be equipped with AM/SAT button or a non-navigation touchscreen radio. **Vehicle CAN NOT be equipped with factory satellite radio.** Allows advanced browsing of the iPod (with text support) and connectivity for SCC1, HDRT & ISBT21.

- 2010+ Toyota Camry
- 2010+ vehicles with navigation
- 2012+ vehicles with non-navigation touchscreen radio
- May also be used when text is absent or very slow to update

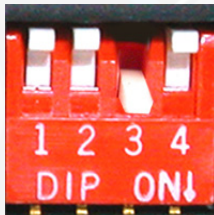
OR

All other vehicles with AM-SAT button



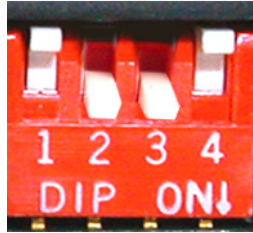
CD Changer Mode

Compatible with all radios. Allows playlist browsing of the iPod (with text support) and connectivity for one additional Auxiliary input.



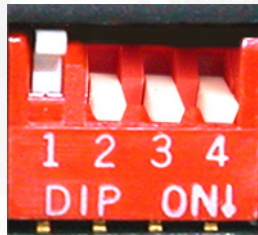
DVD MP3 Mode

Compatible with 5th gen navigation radios* that are equipped with factory satellite radio but **ARE NOT** equipped with a rear seat entertainment system. Allows advanced browsing of the iPod (with text support) and connectivity for one additional auxiliary input.



CDC MP3 Mode

Compatible with 5th gen navigation radios* that are equipped with factory satellite radio **AND** with a rear seat entertainment system. Allows advanced browsing of the iPod (with text support) and connectivity for one additional auxiliary input.



*5th Gen Navigation radios will have a display that looks like the one pictured.



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 10mm bolts that secure the radio into the dash cavity. Remove these bolts, 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 12-Pin harness (if present) from the back of the radio. If you are installing the Media GateWay into a vehicle with an external CD Changer and you are using CD Changer emulation mode, the CD Changer will have to be disconnected at the changer location for proper operation.
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.

Steps 6, 7 & 8 apply to Satellite Radio Emulation Mode ONLY

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) cable 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).

NOTICE:

After removing the radio, if there are two antenna leads connected into the back of the radio, your vehicle is equipped with a diversity antenna system. When connecting the HDRT follow the steps on the next page to ensure the best performance of the HD Radio Tuner. If you do not feel comfortable making these connections you will need to purchase the PGHTYHD harness (sold separately).

A. Locate factory Power antenna wire in radio's wiring harness. This wire will be in Pin location #18 (See Diagram)

B. Cut this wire about 2 inches from the back of the radio.

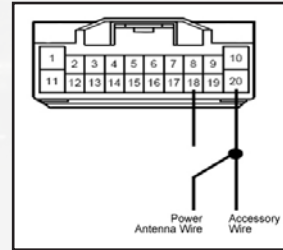
C. Carefully remove about ½ an inch of insulation from the wire on the VEHICLE'S side. (Not the wire connecting into the radio)

D. Locate the accessory wire Pin location # 20 (See diagram)

E. About 2 inches away from the radio carefully remove about ½ an inch of insulation from this accessory wire.

F. Connect the vehicle's side of the Power antenna wire(stripped) to the accessory wire. (solder this connection to ensure the best connection possible)

G. Insulate this new connection on the Accessory wire to prevent an electrical short



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 PXAMGSR (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 PXAMGSR 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 PGHTY1 harness into the 12-pin port on the back of the radio. Next, connect the factory 12-pin harness (if present) into the female connector on the PGHTY1 harness. Be sure to make a firm connection but do not force it. Plug the Black micro-fit 24-pin connector on the PGHTY1 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.

12. Note: The first time you access the GateWay, your radio may display "DEV INIT" while the device is initializing. If this is displayed, please wait one minute then cycle the ignition off and on. Then access SAT mode again to begin normal GateWay operation.

A. Satellite Radio Emulation

This mode of emulation should only be used in vehicles that have an **AM-SAT** button on the face of the radio but **ARE NOT** equipped with factory Satellite Radio.

1. iPod Operation

Entering Mode Select Menu

Press the **"AM/SAT"** button to switch to AM then again to switch back to SAT. Turn the **TUNE KNOB** or press **"TUNE ▲"** to scroll through the available sources. Once **"IPOD"** is displayed, press **PRESET 3** to select the displayed mode.

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 2** repeatedly to fast forward the song that is playing.

Rewind

Press **PRESET 1** repeatedly to rewind the song that is playing.

Entering "BROWSE" Menu / Select

Press **PRESET 3** to enter the browse menu or to make a selection while in the browse menu.

Menu UP

Press **PRESET 4** 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 the **"▲"** button to advance to the next track.

Press the **"▼"** button to return to the previous track.

2. HD Radio Operation

Entering Mode Select Menu

Press the **"AM/SAT"** button to switch to AM then again to switch back to SAT. Turn the **TUNE KNOB** or press **"TUNE ▲"** to scroll through the available sources. Once **"HD RADIO"** is displayed, press **PRESET 3** to select the displayed mode.

Tune Up

Turn the **TUNE KNOB** clockwise or press **"TUNE ▲"** manually tune up.

Seek Up

Press the **SEEK>** button to seek up to next available station.

Tune Down

Turn the rotary **TUNE KNOB** counter-clockwise or press "**TUNE ▼**" to manually tune down.

Seek Down

Press the **<SEEK** button to seek down to the next available station.

Changing Bands

Press the "**AM/SAT**" button to switch between AM and FM bands.

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 "**TEXT**" button to toggle between HD artist and HD title.

3. Sirius Satellite Radio Operation

Entering Mode Select Menu

Press the "**AM/SAT**" button to switch to AM then again to switch back to SAT. Turn the **TUNE KNOB** or press "**TUNE ▲**" to scroll through the available sources. Once "SIRIUS" is displayed, press **PRESET 3** to select the displayed 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 **TYPE>** button to move up through the categories.

Category Down

Press the **<TYPE** 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 "**TEXT**" button to display artist and track information

4. Selecting AUX Input

Entering Mode Select Menu

Press the “**AM/SAT**” button to switch to AM then again to switch back to SAT. Turn the **TUNE KNOB** or press “**TUNE ▲**” to scroll through the available sources. Once “**AUX**” is displayed, press **PRESET 3** to select the displayed mode.

B. CD Changer Emulation

This mode of emulation should only be used in vehicles that are equipped with factory satellite radio or do not have an AM-SAT button on the face of the radio.

1. iPod Operation

Selecting the Mode

Press the “**CD**” button to switch to CD Changer mode and access the Media GateWay. If a factory CD Changer is built into the radio, the CD button may need to be pressed twice to access the Media GateWay.

Browsing Playlists

If you wish to access playlists in a certain order they must be labeled as “**PL_1, PL_2, PL_3, PL_4, PL_5 & PL_6**”, otherwise the Media GateWay will only select the first 6 playlists, in the order they appear, on the iPod. To access playlists simply use the “**DISC ▲**” or “**Disc ▼**” button to select the disc that corresponds with the playlist. If there are no playlists on the iPod it will automatically start playing “**Playlist: All**” after 3 seconds. Discs 7 & 8 are reserved for manual & auxiliary mode.

Next Track

Press “**SEEK ▲**” to advance to the next track.

Previous Track

Press “**SEEK ▼**” to move back to the previous track.

Fast Forward

Press **PRESET 2** to fast forward the song that is playing. Press again to resume normal play.

Rewind

Press **PRESET 1** to rewind the song that is playing. Press again to resume normal play.

Random

Press the random button to start/stop random play

Repeat

Press the repeat button to start/stop the repeat function (track repeat is not supported, only playlist repeat will function)

Changing Display

Press the “**TEXT**” button to display artist and track information (text is not supported in the Tacoma or Tundra)

Manual Mode

To manually control the iPod simply select Disc 7 by using the “DISC ▲” or “Disc ▼” button.

2. Selecting AUX Input

Selecting the Mode

Press the “CD” button to switch to CD Changer mode and access the Media GateWay. If a factory CD Changer is built into the radio, the CD button may need to be pressed twice to access the Media GateWay. Once in CD Changer mode simply select Disc 8 by using the “DISC ▲” button.

C. DVD/CDC MP3 Emulation

The DVD/MP3 mode of emulation should only be used on navigation radios that are equipped with factory satellite radio and with a rear seat entertainment system.

The CDC/MP3 mode of emulation should only be used on navigation radios that are equipped with factory satellite radio but not with a rear seat entertainment system.

1. iPod Operation

Selecting the Mode

Press the “CD” button to switch to DVD or CDC MP3 mode and access the Media GateWay. If a factory CD Changer is built into the radio, the CD button may need to be pressed twice to access the Media GateWay.

Browsing Playlists/Artist/Album/Song

Press the folder list icon in the top right corner to access the browsing screen. Here you will see 6 accessible folders labeled Playlist, Artist, Album, Songs, Aux 1 and Aux 2. Press the icon you wish to browse by or use the Folder up/down arrows on the nav screen to highlight your choice. Select Aux 1 for manual control of the iPod.

Now press the File icon under the Folder icon on the left side of the screen. Once in the File screen make your next choice by pressing the icon that corresponds with the Album, Artist or Playlist you wish to hear. You can scroll through all of the choices by using the up/down arrows on the left of the screen. Once you make your selection here, the first song in that list will begin playing.

The first option in the Playlist, Artist or Album folder will be “Current”. This is in place to allow what is currently playing to keep playing until you make your final selection. Pressing this icon will not do anything.

Whenever the Songs folder is selected it will automatically start playing all of the songs on your iPod in alphabetical order and it is not necessary to press the “File” icon unless you want to browse to a specific song. (the maximum number of songs supported is 999)

If you have selected Playlist, Artist or Album you cannot view a list of the songs within these selections, Only lists of the Playlist, Artists or Albums.

Next Track

Press "SEEK ▲" to advance to the next track.

Previous Track

Press "SEEK ▼" to move back to the previous track.

Fast Forward

Press and hold "TRACK ▲" to fast forward the song that is playing.

Rewind

Press and hold "TRACK ▼" to rewind the song that is playing.

Random

Press the random button to start/stop random play.

Repeat

Press the repeat button to start/stop the repeat function (track repeat is not supported, only playlist repeat will function).

Changing Display

On the nav screen, the default display shows what folder you are listening to and the track number/name. In the File and Folder screen, the folder and track number/name will be displayed. You can press the "Detail" icon on the File or Folder screen to see Album Title, Track Title, Artist and Genre.

If there is a physical Text button on the radio, you can press it to change text on the radio's LCD screen (DVD MP3 mode only).

2. Selecting AUX Input

Selecting the Mode

Press the "CD" button to switch to DVD MP3 mode and access the Media GateWay. If a factory CD Changer is built into the radio, the CD button may need to be pressed twice to access the Media GateWay.

Press the folder list icon in the top right corner to access the browsing screen. Now you will see 6 accessible folders labeled Playlist, Artist, Album, Songs, Aux 1 and Aux 2.

Press the AUX2 icon to select the auxiliary input.

10. 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
I don't see iPod artist or song information on the screen	The radio is displaying a different text field	Press the Text / Scan button to see text (some vehicles do not support text in CD Changer emulation mode)
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 Aux / Sat button and select AUX 1 source 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 "DEV INIT"	Gateway device is initializing	This only occurs the first time the PXAMG is powered on. Wait a few minutes, cycle ignition off and on then enter SAT Mode.
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.

11. 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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Professionally Installed.



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