ⓘsimple®

Expand Your Factory Radio

add
iPod®

HD Radio READY   PXAMG

Peripheral

Automotive Media Gateway

NISSAN/INFINITI
**Pathfinder • Armada
Sentra • Maxima
Altima • Rouge
Versa • G35
M35/45 • QX56**

Owner's Manual
Media Gateway
PXAMG

PGHNI2

Peripheral
TECHNOLOGY

**Rev. 12-19-08
Inst019**

Table of Contents

Media Gateway & Optional Add-ons

Factory Radio
Not Included

iPod
Not Included

Media Gateway Harness
Part #: PGHNI2

Media Gateway
Part #: PXAMG

11Ft. iPod Cable

3Ft. HD Radio Cable
(sold with HDRT)

HD Radio®

HD Radio™ Tuner
(sold seperately)
Part #: HDRT

Antenna Adapter
(sold seperately)
Part #: BAA36

1. Introduction

Thank you for purchasing the Peripheral Electronics® 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 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
For proper operation of the Media Gateway, your iPod must be updated with the most recent version of firmware from Apple. This is done on your computer. To update the software on the iPod go to: http://www.apple.com/ipod/download/.
Follow the directions on the website to complete the download. There is no charge for this update.

PREVENTING DAMAGE TO YOUR VEHICLE OR IPOD.
Some installations require you to make wiring connections. 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, VelcroTM or zip-ties.

3. Compatibility Notes
For the most up to date compatibility information please visit www. peripheralelectronics.com to verify your vehicle's compatibility.

4. Dipswitch Settings

For the 2007-2008 Armada, 2007-2008 G35, 2007-2008 Maxima Non-Navigation, 2007-2008 Pathfinder, 2007-2008 Sentra and the 2007-2008 QX56 all dipswitches must be off (Fig. A).

2007-2008 Armada 2007-2008 G35 2007-2008 Maxima Non-Navigation 2007-2008 Pathfinder 2007-2008 Sentra 2007 QX56	**Fig. A**

For the 2007-2008 Altima, 2007-2008 Rouge and the 2007-2008 Versa dipswitch number 3 needs to be on (Fig. B).

2007-2008 Altima 2007-2008 Rouge 2007-2008 Versa	**Fig. B**

For the 2007-2008 M35/45 Dipswitches 1 and 2 need to be on (Fig C).

2007-2008 M35/45	**Fig. B**

Dipswitch Overview
This is a quick description of the dipswitch functions for the PXAMG in Nissan applications. If you are experiencing Seek or Tune control issues, or would like to change the operation of the "SEEK" and "TUNE" buttons, this section may be helpful to you.

Dipswitch 3
Reverses "SEEK" and "TUNE" button configurations; this is good for allowing the end user to configure the "SEEK" and "TUNE" buttons to their personal preference. For example: In the Armada/Pathfinder, the default setting for the HD Radio controls causes the Seek and Tune functions to be reversed. This is so the iPod controls can utilize the tuning knob to scroll through the browse menu. If you have purchased this kit mainly for HD Radio and not iPod, turning dipswitch 3 on will reverse the "SEEK" and "TUNE" commands to their respective buttons. However when this is done, turning the Tuning Knob on the radio clockwise will no longer do track forward or scroll through the browse menu in iPod mode, those commands have now been assigned to the "SEEK>>" button.

1. Disconnect Media Gateway from vehicle harness.
2. Turn on dipswitch #3 by moving it down.
3. Connect Media Gateway to vehicle harness.

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.

2. Carefully remove the trim panels covering the 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 20-Pin and 12-Pin harnesses 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 prefrence. 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. 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) using a Best Kits BAA36 antenna adaptor (or equivalent) if needed to make this connection.

6. Plug in the male connectors on the PGHNI2 harness into the 20-pin and 12-pin ports on the back of the radio. Next, connect the factory 20-pin and 12-pin harnesses into the female connectors on the PGHNI2 harness. Be sure to make a firm connection but do not force it. Plug the Black micro-fit 24-pin connector on the PGHNI2 harness into the PXAMG Media Gateway box.

7. To complete the installation secure the Media Gateway (PXAMG) and HD Radio tuner (HDRT) 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.

8. 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.

9. Note: The first time you access the Media 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.

6. Pathfinder & Armada

iPod Operation

Entering Mode Select Menu
Press the "AM/FM/SAT" button a few times until "SAT" is displayed on the screen. Immediately turn the rotary tune knob to scroll through the available sources. Once "IPOD" is displayed, press the "<<SEEK" button to select it.

Next Track
Turn the rotary tune knob clockwise to advance to the next track.

Previous Track
Turn the rotary tune knob counter clockwise to return to the previous track.

Random Mode
Press the "SCAN" button while listening to the iPod to toggle through the random modes.

Entering Browse Menu / Select
Press the "<<SEEK" button to enter the Browse menu or to make a selection while in the Browse menu.

Menu Navigation
Turn the rotary tune knob clockwise to scroll through the options in the Browse menu.

Steering Wheel Controls
Press and hold "▲" to enter the Browse menu.

Exit Browse menu
Press the "SCAN" button or wait 10 seconds and the Browse menu will automatically exit.

Browse by Artist
Press the "<<SEEK" button to enter the Browse menu.
"PL:LIST" will appear on your display.
Turn the rotary tune knob until "AR:ARTIST" is displayed.
Press the "<<SEEK" button to select Browse by Artist.
The list of Artists on your iPod will be displayed one at a time in alphabetical order. "AR" will be displayed in front of the artist's name to indicate that you are searching for an artist.
Turn the rotary tune knob to cycle through the artists.
When the desired artist is displayed on the radio,
Press the "<<SEEK" button to select the artist and display the albums by that artist.
The Albums from the selected Artist will be displayed one at a time in alphabetical order. "AL" will be displayed in front of the name of the album to indicate you are searching for an album.
Turn the rotary tune knob to cycle through the albums.
Once the desired album is displayed,
Press the "<<SEEK" button to select the desired Album.
The first song in the album will be displayed. "TR" will be displayed in front of the song title to indicate that a "track" or song title is being displayed.
Turn the rotary tune knob to cycle through the songs in the selected album.
Songs are listed in the order in which they appear in the album, not alphabetically.
Once the radio displays the name of the desired song
Press the "<<SEEK" button to select and play the desired song.
The display will automatically change to display and scroll the title of the chosen song.

HD Radio Operation

Entering Mode Select Menu
Press the "AM/FM/SAT" button a few times until "SAT" is displayed on the screen. Immediately turn the rotary tune knob to scroll through the available sources. Once "HD-FM" is displayed, press the "<<SEEK" button to select it.

Tune Up
Press the "SEEK >>" button to manually tune up.

Seek Up
Turn the Tuning Knob Clockwise to seek up to next available station.

Tune Down
Press the "<<SEEK" button to manually tune down.

Seek Down
Turn the rotary tune knob Counter-clockwise to seek down to next available station.

Changing Bands
Press the "AM/FM/SAT" button a few times until "SAT" is displayed on the screen. Immediately turn the rotary tune knob to scroll through the available sources. Once the band you would like to select is displayed ("HD-AM" or "HD-FM"), press the "<<SEEK" button to select it.

Store Presets
Tune to a station you want to store. Press the "SCAN" button. Turn the rotary tune knob to select the preset location (1-18) where you wish to store the preset. When the preset location is displayed (for example PRE1) press "SEEK>>" to store it. The screen will display "PR SAVED" and your preset has been stored into memory.

Recall Presets
Press the "SCAN" button. Turn the rotary tune knob to scroll through the stored preset stations. When the desired preset is displayed, press the "<<SEEK" button to select it.

Exit menus
Press the "SCAN" button to exit the Preset Menu and continue playing the current station. "EXIT" will be displayed when the button is pressed. You can also wait the allotted 10 seconds and the menu will exit automatically.

Steering Wheel Controls
Press and hold"▲" to tune up or "▼" to tune down.

Selecting AUX Input

Entering Mode Select Menu
Press the "AM/FM/SAT" button a few times until "SAT" is displayed on the screen. Immediately turn the rotary tune knob to scroll through the available sources. Once "AUX" is displayed, press the "<<SEEK" button to select it.

Selecting Factory Installed Satellite Radio (If equipped)

Entering Mode Select Menu
Press the "AM/FM/SAT" button a few times until "SAT" is displayed on the screen. Immediately turn the rotary tune knob to scroll through the available sources. Once "SAT" is displayed, press the "<<SEEK" button to select it.

7. Sentra & Maxima

Important Configuration Process

To ensure proper functionality of your PXAMG iPod interface, you must first set the "TUNE" and "SEEK" buttons to the proper configuration. To do this you must first enter the Mode Select Menu. Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately press the "SCAN" button until "TUNEREV" is displayed. After 6 seconds the radio will time out and the "TUNE" button is now configured properly. You must repeat the same process for the "SEEK" button. To do this you must first enter the Mode Select Menu. Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately press the "SCAN" button until "SEEKREV" is displayed. After 6 seconds the radio will time out and the "SEEK" button is now configured properly.

iPod Operation

Entering Mode Select Menu
Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately press the "SEEK>>" button to scroll through the available sources. Once "IPOD" is displayed, press the "<<TUNE" button to select it.

Next Track
Press the "SEEK>>" button to advance to the next track.

Previous Track
Press the "<<SEEK" button to return to the previous track.

Random Mode
Press the "SCAN" button while listening to the iPod to toggle through the random modes.

Entering Browse Menu / Select
Press the "TUNE>>" button TWICE to enter the Browse menu or to make a selection while in the Browse menu

Menu Navigation
Press "SEEK>>" to scroll through the options Browse menu.

Steering Wheel Controls
Press and hold "▲" to move forward one track or "▼" to move backward one track.

Exit Browse menu
Press the "SCAN" button or wait 10 seconds and the Browse menu will automatically exit.

Changing Display
Press the "DISP" button to toggle through the display modes (Track, Artist, etc).

Browse by Artist

Press the "TUNE>>" button TWICE to enter the Browse menu.

"PL:LIST" will appear on your display.

Press the "SEEK>>" button until "AR:ARTIST" is displayed.

Press the "TUNE>>" button TWICE to select Browse by Artist.

The list of Artists on your iPod will be displayed one at a time in alphabetical order. "AR" will be displayed in front of the artist's name to indicate that you are searching for an artist.

Press the "SEEK>>" button to cycle through the artists.

When the desired artist is displayed on the radio,

Press the "TUNE>>" button TWICE to select the artist and display the albums by that artist.

The Albums from the selected Artist will be displayed one at a time in alphabetical order. "AL" will be displayed in front of the name of the album to indicate you are searching for an album.

Press the "SEEK>>" button to cycle through the albums.

Once the desired album is displayed,

Press the "TUNE>>" button TWICE to select the desired Album.

The first song in the album will be displayed. "TR" will be displayed in front of the song title to indicate that a "track" or song title is being displayed.

Press the "SEEK>>" button to cycle through the songs in the selected album.

Songs are listed in the order in which they appear in the album, not alphabetically.

Once the radio displays the name of the desired song

Press the "TUNE>>" button TWICE to select and play the desired song.

The display will automatically change to display and scroll the title of the chosen song.

HD Radio Operation

Important Configuration Process

To ensure proper functionality of your HD tuner, you must first set the "TUNE" and "SEEK" buttons to the proper configuration. (Note: You do not have to repeat this process if you have already done so for iPod control!) To do this you must first enter the Mode Select Menu. Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately press the "SCAN" button until "TUNEREV" is displayed. After 6 seconds the radio will time out and the "TUNE" button is now configured properly. You must repeat the same process for the "SEEK" button. To do this you must first enter the Mode Select Menu. Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately press the "SCAN" button until "SEEKREV" is displayed. After 6 seconds the radio will time out and the "SEEK" button is now configured properly.

Entering Mode Select Menu

Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately press the "SEEK>>" button to scroll through the available sources. Once "HD-FM" is displayed, press the "<<TUNE" button to select it.

Tune Up
Press the "TUNE>>" button TWICE to manually tune up.

Seek Up
Press the "SEEK>>" button to seek up to next available station.

Tune Down
Press the "<<TUNE" button TWICE to manually tune down.

Seek Down
Press the "<<SEEK" button to seek down to next available station.

Changing Bands
Press the "AM/FM/SAT" button a few times until "SAT" is displayed on the screen. Immediately press the "SEEK>>" button to scroll through the available sources. Once the band you would like to select is displayed ("HD-AM" or "HD-FM"), press the "<<TUNE" button to select it.

Store Presets
Tune to a station you want to store. Press the "SCAN" button. Press "SEEK>>" to select the preset location (1-18) where you wish to store the preset. When the preset location is displayed (for example PRE1) press "<<TUNE" button TWICE to store it. The screen will display "PR SAVED" and your preset has been stored into memory.

Recall Presets
Press the "SCAN" button. Press "SEEK>>" to scroll through the stored preset stations. When the desired preset is displayed, press the "TUNE>>" button TWICE to select it.

Exit menus
Press the "SCAN" button to exit the Preset Menu and continue playing the current station. "EXIT" will be displayed when the button is pressed. You can also wait the allotted 10 seconds and the menu will exit automatically.

Changing Display:
Press the "DISP" button to display artist and track information if the current HD Radio station is transmitting that information.

Steering Wheel Controls
Press and hold "▲" to seek up or "▼" to seek down.

Selecting AUX Input

Entering Mode Select Menu
Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately press the "SEEK>>" button to scroll through the available sources. Once "AUX" is displayed, press the "<<TUNE" button to select it.

Selecting Factory Installed Satellite Radio (If equipped)

Entering Mode Select Menu
Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately press the "SEEK>>" button to scroll through the available sources. Once "SAT" is displayed, press the "<<TUNE" button to select it.

7a. 2009 Maxima

iPod Operation

Entering Mode Select Menu
Press the "AM/FM" button and then the "AUX" button. Immediately turn the rotary knob to scroll through the available sources. Once "IPOD" is displayed, press the "<<SEEK" button to select the displayed mode

Next Track
Turn the rotary tune knob clockwise to advance to the next track.

Previous Track
Turn the rotary tune knob counter clockwise to return to the previous track.

Random Mode
Press the "SCAN" button while listening to the iPod to toggle through the random modes.

Entering Browse Menu / Select
Press the "<<SEEK" button to enter the Browse menu or to make a selection while in the Browse menu.

Menu Navigation
Turn the rotary tune knob clockwise to scroll through the options in the Browse menu.

Steering Wheel Controls
Press and hold "▲" to enter the Browse menu.

Exit Browse menu
Press the "SCAN" button or wait 10 seconds and the Browse menu will automatically exit.

Browse by Artist

Press the "<<SEEK" button to enter the Browse menu.

"PL:LIST" will appear on your display.

Turn the rotary tune knob until "AR:ARTIST" is displayed.

Press the "<<SEEK" button to select Browse by Artist.

The list of Artists on your iPod will be displayed one at a time in alphabetical order. "AR" will be displayed in front of the artist's name to indicate that you are searching for an artist.

Turn the rotary tune knob to cycle through the artists.

When the desired artist is displayed on the radio,

Press the "<<SEEK" button to select the artist and display the albums by that artist.

The Albums from the selected Artist will be displayed one at a time in alphabetical order. "AL" will be displayed in front of the name of the album to indicate you are searching for an album.

Turn the rotary tune knob to cycle through the albums.

Once the desired album is displayed,

Press the "<<SEEk" button to select the desired Album.

The first song in the album will be displayed. "TR" will be displayed in front of the song title to indicate that a "track" or song title is being displayed.

Turn the rotary tune knob to cycle through the songs in the selected album.

Songs are listed in the order in which they appear in the album, not alphabetically.

Once the radio displays the name of the desired song

Press the "<<SEEK" button to select and play the desired song.

The display will automatically change to display and scroll the title of the chosen song.

HD Radio Operation

Entering Mode Select Menu

Press the "AM/FM" button and then the "AUX" button. Immediately turn the rotary knob to scroll through the available sources. Once "HD-FM" is displayed, press the "<<SEEK" button to select the displayed mode.

Tune Up

Press the "SEEK >>" button to manually tune up.

Seek Up

Turn the Tuning Knob Clockwise to seek up to next available station.

Tune Down

Press the "<<SEEK" button to manually tune down.

Seek Down

Turn the rotary tune knob Counter-clockwise to seek down to next available station.

Changing Bands

Press the "AM/FM" button and then the "AUX" button. Immediately turn the rotary knob to scroll through the available sources. Once the band you would like to select is displayed ("HD-AM" or "HD-FM"), press the "<<SEEK" button to select the displayed mode.

Store Presets
Tune to a station you want to store. Press the "SCAN" button. Turn the rotary tune knob to select the preset location (1-18) where you wish to store the preset. When the preset position is displayed (for example PRE1) press "SEEK>>" to store it. The screen will display "PR SAVED" and your preset has been stored into memory.

Recall Presets
Press the "SCAN" button. Turn the rotary tune knob to scroll through the stored preset stations. When the desired preset is displayed, press the "<<SEEK" button to select it.

Exit menus
Press the "SCAN" button to exit the Preset Menu and continue playing the current station. "EXIT" will be displayed when the button is pressed. You can also wait the allotted 10 seconds and the menu will exit automatically.

Steering Wheel Controls
Press and hold"▲" to tune up or "▼" to tune down.

Selecting AUX Input

Entering Mode Select Menu
Press the "AM/FM" button and then the "AUX" button. Immediately turn the rotary tune knob to scroll through the available sources. Once "AUX" is displayed, press the "<<SEEK" button to select the displayed mode.

Selecting Factory Installed Satellite Radio (If equipped)

Entering Mode Select Menu
Press the "AM/FM" button and then the "AUX" button. Immediately turn the rotary tune knob to scroll through the available sources. Once "SAT" is displayed, press the "<<SEEK" button to select the displayed mode.

8. Altima & Rouge

iPod Operation

Entering Mode Select Menu
Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately press the "SEEK ▲" button to scroll through the available sources. Once "IPOD" is displayed, press the "TUNE ▼" button to select it.

Next Track
Press the "SEEK ▲" button to advance to the next track.

Previous Track
Press the "SEEK ▼" button to return to the previous track.

Random Mode
Press the "SCAN" button while listening to the iPod to toggle through the random modes.

Entering Browse Menu / Select
Press the "TUNE ▼" button to enter the Browse menu or to make a selection while in the Browse menu

Menu Navigation
Press the "SEEK ▲" button to scroll through the options in the Browse menu.

Steering Wheel Controls
Press and hold "▲" to enter the Browse menu.

Exit Browse menu
Press the "SCAN" button or wait 10 seconds and the Browse menu will automatically exit.

Changing Display
Press the "DISP" button to toggle through the display modes (Track, Artist, etc).

Browse by Artist
Press the "TUNE ▼" button to enter the Browse menu.
"PL:LIST" will appear on your display.
Press the "SEEK ▲" button until "AR:ARTIST" is displayed.
Press the "TUNE ▼" button to select Browse by Artist.
The list of Artists on your iPod will be displayed one at a time in alphabetical order. "AR" will be displayed in front of the artist's name to indicate that you are searching for an artist.
Press the "Seek ▲" button to cycle through the artists.
When the desired artist is displayed on the radio,
Press the "TUNE ▼" button to select the artist and display the albums by that artist.
The Albums from the selected Artist will be displayed one at a time in alphabetical order.
"AL" will be displayed in front of the name of the album to indicate you are searching for an album.
Press the "SEEK ▲" button to cycle through the albums.
Once the desired album is displayed,
Press the "TUNE ▼" button to select the desired album.
The first song in the album will be displayed. "TR" will be displayed in front of the song title to indicate that a "track" or song title is being displayed.
Press the "SEEK ▲" button to cycle through the songs in the selected album.
Songs are listed in the order in which they appear in the album, not alphabetically.
Once the radio displays the name of the desired song
Press the "TUNE ▼" button to select and play the desired song.
The display will automatically change to display and scroll the title of the chosen song.

HD Radio Operation

Entering Mode Select Menu
Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately press the "SEEK ▲" button to scroll through the available sources. Once "HD-FM" is displayed, press the "TUNE ▼" button to select it.

Tune Up
Press the "TUNE▲" button to manually tune up.

Seek Up
Press the "SEEK ▲" button to seek up to next available station.

Tune Down
Press the "TUNE ▼" button to manually tune down.

Seek Down
Press the "SEEK ▼" button to seek down to next available station.

Changing Bands
Press the "AM/FM/SAT" button a few times until "SAT" is displayed on the screen. Immediately press the "SEEK ▲" button scroll through the available sources. Once the band you would like to select is displayed ("HD-AM" or "HD-FM"), press the "SEEK ▼" button to select it.

Store Presets
Tune to a station you want to store. Press the "SCAN" button. Press "SEEK ▲" to select the preset location (1-18) where you wish to store the preset. When the preset location is displayed (for example PRE1) press the "TUNE▲" button to store it. The screen will display "PR SAVED" and your preset has been stored into memory.

Recall Presets
Press the "SCAN" button. Press the "SEEK ▲" button to scroll through the stored preset stations. When the desired preset is displayed, press the "TUNE ▼" button to select it.

Exit Menu
Press the "SCAN" button to exit the Preset Menu and continue playing the current station. "EXIT" will be displayed when the button is pressed. You can also wait the allotted 10 seconds and the menu will exit automatically.

Changing Display:
Press the "DISP" button to display artist and track information if the current HD Radio station is transmitting that information.

Steering Wheel Controls
Press and hold "▲"to tune up or "▼" to tune down.

Selecting AUX Input

Entering Mode Select Menu
Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately press the "SEEK ▲" button to scroll through the available sources. Once "AUX" is displayed, press the "TUNE ▼" button to select it.

Selecting Factory Installed Satellite Radio (If equipped)

Entering Mode Select Menu
Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately press the "SEEK ▲" button to scroll through the available sources. Once "SAT" is displayed, press the "TUNE ▼" button to select it.

9. Versa

Important Configuration Process

To ensure proper functionality of your PXAMG iPod Interface, you must first set the "SEEK" button to the proper configuration. To do this you must first enter the Mode Select Menu. Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately press the "SCAN" button until "SEEKREV" is displayed. After 6 seconds the radio will time out and the "SEEK" button is now configured properly.

iPod Operation

Entering Mode Select Menu
Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately press the "SEEK ▲" button to scroll through the available sources. Once "IPOD" is displayed, press the "TUNE ▼" button to select it.

Next Track
Press the "SEEK ▲" button TWICE to advance to the next track.

Previous Track
Press the "SEEK ▼" button TWICE to return to the previous track.

Random Mode
Press the "SCAN" button while listening to the iPod to toggle through the random modes.

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Entering Browse Menu / Select
Press the "TUNE ▼" button to enter the Browse menu or to make a selection while in the Browse menu

Menu Navigation
Press the "SEEK ▲" button to scroll through the options in the Browse menu.

Steering Wheel Controls
Press and hold "▲" to enter the Browse menu.

Exit Browse menu
Press the "SCAN" button or wait 10 seconds and the Browse menu will automatically exit.

Changing Display
Press the "DISP" button to toggle through the display modes (Track, Artist, etc).

Browse by Artist
Press the "TUNE ▼" button to enter the Browse menu.
"PL:LIST" will appear on your display.
Press the "SEEK ▲" button until "AR:ARTIST" is displayed.
Press the "TUNE ▼" button to select Browse by Artist.
The list of Artists on your iPod will be displayed one at a time in alphabetical order. "AR" will be displayed in front of the artist's name to indicate that you are searching for an artist.
Press the "Seek▲" button to cycle through the artists.
When the desired artist is displayed on the radio,
Press the "TUNE ▼" button to select the artist and display the albums by that artist.
The Albums from the selected Artist will be displayed one at a time in alphabetical order. "AL" will be displayed in front of the name of the album to indicate you are searching for an album.
Press the "SEEK ▲" button to cycle through the albums.
Once the desired album is displayed,
Press the "TUNE ▼" button to select the desired Album.
The first song in the album will be displayed. "TR" will be displayed in front of the song title to indicate that a "track" or song title is being displayed.
Press the "SEEK ▲" button to cycle through the songs in the selected album.
Songs are listed in the order in which they appear in the album, not alphabetically.
Once the radio displays the name of the desired song
Press the "TUNE ▼" button to select and play the desired song.
The display will automatically change to display and scroll the title of the chosen song.

HD Radio Operation

Important Configuration Process

To ensure proper functionality of your HD tuner, you must first set the "TUNE" button to the proper configuration. (Note: You do not have to repeat this process if you have already done so for iPod control!) To do this you must first enter the Mode Select Menu. Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately press the "SCAN" button until "TUNEREV" is displayed. After 6 seconds the radio will time out and the "TUNE" button is now configured properly.

Entering Mode Select Menu (2004-2005)
Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately press the "SEEK ▲" button to scroll through the available sources. Once "HD-FM" is displayed, press the "TUNE ▼" button to select it.

Tune Up
Press the "TUNE▲" button to manually tune up.

Seek Up
Press the "SEEK ▲" button TWICE to seek up to next available station.

Tune Down
Press the "TUNE ▼" button to manually tune down.

Seek Down
Press the "SEEK ▼" button TWICE to seek down to next available station.

Changing Bands
Press the "AM/FM/SAT" button a few times until "SAT" is displayed on the screen. Immediately press the "SEEK ▲" button to scroll through the available sources. Once the band you would like to select is displayed ("HD-AM" or "HD-FM"), press the "<<SEEK" button to select it.

Store Presets
Tune to a station you want to store. Press the "SCAN" button. Press "SEEK ▲" to select the preset location (1-18) where you wish to store the preset. When the preset location is displayed (for example PRE1) press "TUNE▲" button to store it. The screen will display "PR SAVED" and your preset has been stored into memory.

Recall Presets
Press the "SCAN" button. Press the "SEEK ▲" button to scroll through the stored preset stations. When the desired preset is displayed, press the "TUNE ▼" button to select it.

Exit menus
Press the "SCAN" button to exit the Preset Menu and continue playing the current station. "EXIT" will be displayed when the button is pressed. You can also wait the allotted 10 seconds and the menu will exit automatically.

Changing Display:
Press the "DISP" button to display artist and track information if the current HD Radio station is transmitting that information.

Steering Wheel Controls
Press and hold "▲" to tune up or "▼" to tune down.

Selecting AUX Input

Entering Mode Select Menu
Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately press the "SEEK ▲" button to scroll through the available sources. Once "AUX" is displayed, press the "TUNE ▼" button to select it.

Selecting Factory Installed Satellite Radio (If equipped)

Entering Mode Select Menu
Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately press the "SEEK ▲" button to scroll through the available sources. Once "SAT" is displayed, press the "TUNE ▼" button to select it.

10. G35

IMPORTANT NOTE

The 2007 G35 Coupe requires the PGHNI1 harness.

iPod Operation

Entering Mode Select Menu
Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately turn the rotary knob to scroll through the available sources. Once "IPOD" is displayed, press the "▼ TRACK" button to select it.

Next Track
Turn the Tune Knob Clockwise to advance to the next track.

Previous Track
Turn the Tune Knob Counter-Clockwise to return to the previous track.

Random Mode
Press the "SCAN" button while listening to the iPod to toggle through the random modes.

Entering Browse Menu / Select
Press the "▼ TRACK" button to enter the Browse menu or to make a selection while in the Browse menu.

Menu Navigation
Turn the Tune Knob Clockwise to scroll through the options in the Browse menu.

Steering Wheel Controls
Press and hold "▲" or "▼" to change tracks.

Exit Browse menu
Press the "SCAN" button or wait 10 seconds and the Browse menu will automatically exit.

Browse by Artist
Press the "▼ TRACK" button to enter the Browse menu.
"PL:LIST" will appear on your display.
Turn the Tune Knob until "AR:ARTIST" is displayed.
Press the "▼ TRACK" button to select Browse by Artist.
The list of Artists on your iPod will be displayed one at a time in alphabetical order. "AR" will be displayed in front of the artist's name to indicate that you are searching for an artist.
Turn the Tune Knob to cycle through the artists.
When the desired artist is displayed on the radio,
Press the "▼ TRACK" button to select the artist and display the albums by that artist.
The Albums from the selected Artist will be displayed one at a time in alphabetical order. "AL" will be displayed in front of the name of the album to indicate you are searching for an album.
Turn the Tune Knob to cycle through the albums.
Once the desired album is displayed,
Press the "▼ TRACK" button to select the desired Album.
The first song in the album will be displayed. "TR" will be displayed in front of the song title to indicate that a "track" or song title is being displayed.
Turn the Tune Knob to cycle through the songs in the selected album.
Songs are listed in the order in which they appear in the album, not alphabetically.
Once the radio displays the name of the desired song
Press the "▼ TRACK" button to select and play the desired song.
The display will automatically change to display and scroll the title of the chosen song.

HD Radio Operation

Entering Mode Select Menu
Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately turn the rotary knob to scroll through the available sources. Once "HD-FM" is displayed, press the "▼ TRACK" button to select it.

Tune Up
Press the "SEEK/CAT ▲" button to manually tune up.
Seek Up
Turn the Tune Knob Clockwise to seek up to next available station.

Tune Down
Press the "▼ TRACK" button to manually tune down.

Seek Down
Turn the Tune Knob Counter-Clockwise to seek down to next available station.

Changing Bands
Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately turn the rotary knob to scroll through the available sources. Once the band you would like to select is displayed ("HD-AM" or "HD-FM"), press the "▼ TRACK" button to select it.

Store Presets
Press the "SCAN" button. Once in the Preset Menu turn the tune knob to select the preset location (1-18) where you wish to store the preset. When the preset position is displayed (for example PRE1) press "SEEK/CAT ▲" to store the preset into memory. The screen will display "PR SAVED" and your preset has been stored into memory.

Recall Presets
Press the "SCAN" button to enter the Preset Menu. Turn the Tune Knob to scroll through the stored preset stations. When the desired preset is displayed, press the "▼ TRACK" button to select it.

Exit menus
Press the "SCAN" button to exit the Preset Menu and continue playing the current station. "EXIT" will be displayed when the button is pressed. You can also wait the allotted 10 seconds and the menu will exit automatically.

Steering Wheel Controls
Press and hold "▲" to seek up or "▼" to seek down.

Selecting AUX Input

Entering Mode Select Menu
Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately turn the rotary knob to scroll through the available sources. Once "AUX" is displayed, press the "▼ TRACK" button to select it.

Selecting Factory Installed Satellite Radio (If equipped)

Entering Mode Select Menu
Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately turn the rotary knob to scroll through the available sources. Once "SAT" is displayed, press the "▼ TRACK" button to select it.

11. M35/45

iPod Operation

Entering Mode Select Menu
Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately turn the rotary knob to scroll through the available sources. Once "IPOD" is displayed, press the "<< SEEK" button to select it.

Next Track
Turn the Tune Knob Clockwise to advance to the next track.

Previous Track
Turn the Tune Knob Counter-Clockwise to return to the previous track.

Random Mode
Press and hold the "TRACK >>" button while listening to the iPod to toggle through the random modes.

Entering Browse Menu / Select
Press the "<< SEEK" button to enter the Browse menu or to make a selection while in the Browse menu.

Menu Navigation
Turn the Tune Knob Clockwise to scroll through the options in the Browse menu.

Steering Wheel Controls
Press and hold "▲" or "▼" to change tracks.

Exit Browse menu
Press and hold the "TRACK >>" button or wait 10 seconds and the Browse menu will automatically exit.

Browse by Artist

Press the "<< SEEK" button to enter the Browse menu.

"PL:LIST" will appear on your display.

Turn the Tune Knob until "AR:ARTIST" is displayed.

Press the "<< SEEK" button to select Browse by Artist.

The list of Artists on your iPod will be displayed one at a time in alphabetical order. "AR" will be displayed in front of the artist's name to indicate that you are searching for an artist.

Turn the Tune Knob to cycle through the artists.

When the desired artist is displayed on the radio,

Press the "<< SEEK" button to select the artist and display the albums by that artist.

The Albums from the selected Artist will be displayed one at a time in alphabetical order. "AL" will be displayed in front of the name of the album to indicate you are searching for an album.

Turn the Tune Knob to cycle through the albums.

Once the desired album is displayed,

Press the "<< SEEK" button to select the desired Album.

The first song in the album will be displayed. "TR" will be displayed in front of the song title to indicate that a "track" or song title is being displayed.

Turn the Tune Knob to cycle through the songs in the selected album.

Songs are listed in the order in which they appear in the album, not alphabetically.

Once the radio displays the name of the desired song

Press the "<< SEEK" button to select and play the desired song.

The display will automatically change to display and scroll the title of the chosen song.

HD Radio Operation

Entering Mode Select Menu

Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately turn the rotary knob to scroll through the available sources. Once "HD-FM" is displayed, press the "<< SEEK" button to select it.

Tune Up

Press the "TRACK >>" button to manually tune up.

Seek Up

Turn the Tuning Knob Clockwise to seek up to next available station.

Tune Down

Press the "<< SEEK" button to manually tune down.

Seek Down

Turn the Tune Knob Counter-Clockwise to seek down to next available station.

Changing Bands

Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately turn the rotary knob to scroll through the available sources. Once the band you would like to select is displayed ("HD-AM" or "HD-FM"), press the "<< SEEK" button to select it.

Store Presets

Press and hold the "TRACK >>" button. Once in the Preset Menu turn the tune knob to select the preset location (1-18) where you wish to store the preset. When the preset position is displayed (for example PRE1) press "TRACK >>" to store the preset into memory. The screen will display "PR SAVED" and your preset has been stored into memory.

Recall Presets

Press and hold the "TRACK >>" button to enter the Preset Menu. Turn the Tune Knob to scroll through the stored preset stations. When the desired preset is displayed, press the "<< SEEK" button to select it.

Exit menus

Press and hold the "TRACK >>" button to exit the Preset Menu and continue playing the current station. "EXIT" will be displayed when the button is pressed. You can also wait the allotted 10 seconds and the menu will exit automatically.

Steering Wheel Controls

Press and hold "▲" to seek up or "▼" to seek down.

Selecting AUX Input

Entering Mode Select Menu

Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately turn the rotary knob to scroll through the available sources. Once "AUX" is displayed, press the "<<SEEK" button to select it.

Selecting Factory Installed Satellite Radio (If equipped)

Entering Mode Select Menu

Press the "RADIO" button a few times until "SAT" is displayed on the screen. Immediately turn the rotary knob to scroll through the available sources. Once "SAT" is displayed, press the "<<SEEK" button to select it.

12. QX56

iPod Operation

Entering Mode Select Menu

Press the "AM/FM/SAT" button a few times until "SAT" is displayed on the screen. Immediately turn the Tune Knob to scroll through the available sources. Once "IPOD" is displayed, press the "<<SEEK" button to select it.

Next Track

Turn the Tune Knob clockwise to advance to the next track.

Previous Track
Turn the Tune Knob counter clockwise to return to the previous track.

Random Mode
Press the "SCAN" button while listening to the iPod to toggle through the random modes.

Entering Browse Menu / Select
Press the "<<SEEK" button to enter the Browse menu or to make a selection while in the Browse menu.

Menu Navigation
Turn the Tune Knob clockwise to scroll through the options in the Browse menu.

Steering Wheel Controls
Press and hold "▲" to enter the Browse menu.

Exit Browse menu
Press the "SCAN" button or wait 10 seconds and the Browse menu will automatically exit.

Browse by Artist
Press the "<<SEEK" button to enter the Browse menu.
"PL:LIST" will appear on your display.
Turn the Tune Knob until "AR:ARTIST" is displayed.
Press the "<<SEEK" button to select Browse by Artist.
The list of Artists on your iPod will be displayed one at a time in alphabetical order. "AR" will be displayed in front of the artist's name to indicate that you are searching for an artist.
Turn the Tune Knob to cycle through the artists.
When the desired artist is displayed on the radio,
Press the "<<SEEK" button to select the artist and display the albums by that artist.
The Albums from the selected Artist will be displayed one at a time in alphabetical order.
"AL" will be displayed in front of the name of the album to indicate you are searching for an album.
Turn the Tune Knob to cycle through the albums.
Once the desired album is displayed,
Press the "<<SEEK" button to select the desired Album.
The first song in the album will be displayed. "TR" will be displayed in front of the song title to indicate that a "track" or song title is being displayed.
Turn the Tune Knob to cycle through the songs in the selected album.
Songs are listed in the order in which they appear in the album, not alphabetically.
Once the radio displays the name of the desired song
Press the "<<SEEK" button to select and play the desired song.
The display will automatically change to display and scroll the title of the chosen song.

HD Radio Operation

Entering Mode Select Menu
Press the "AM/FM/SAT" button a few times until "SAT" is displayed on the screen. Immediately turn the Tune Knob to scroll through the available sources. Once "HD-FM" is displayed, press the "<<SEEK" button to select it.

Tune Up
Press the "SEEK >>" button to manually tune up.

Seek Up
Turn the Tune Knob Clockwise to seek up to next available station.

Tune Down
Press the "<<SEEK" button to manually tune down.

Seek Down
Turn the Tune Knob Counter-clockwise to seek down to next available station.

Changing Bands
Press the "AM/FM/SAT" button a few times until "SAT" is displayed on the screen. Immediately turn the Tune Knob to scroll through the available sources. Once the band you would like to select is displayed ("HD-AM" or "HD-FM"), press the "<<SEEK" button to select it.

Store Presets
Tune to a station you want to store. Press the "SCAN" button. Turn the Tune Knob to select the preset location (1-18) where you wish to store the preset. When the preset location is displayed (for example PRE1) press "SEEK>>" to store it. The screen will display "PR SAVED" and your preset has been stored into memory.

Recall Presets
Press the "SCAN" button. Turn the Tune Knob to scroll through the stored preset stations. When the desired preset is displayed, press the "<<SEEK" button to select it.

Exit menus
Press the "SCAN" button to exit the Preset Menu and continue playing the current station. "EXIT" will be displayed when the button is pressed. You can also wait the allotted 10 seconds and the menu will exit automatically.

Steering Wheel Controls
Press and hold "▲" to tune up or "▼" to tune down.

Selecting AUX Input

Entering Mode Select Menu
Press the "AM/FM/SAT" button a few times until "SAT" is displayed on the screen. Immediately turn the Tune Knob to scroll through the available sources. Once "AUX" is displayed, press the "<<SEEK" button to select it.

Selecting Factory Installed Satellite Radio (If equipped)

Entering Mode Select Menu
Press the "AM/FM/SAT" button a few times until "SAT" is displayed on the screen. Immediately turn the Tune Knob to scroll through the available sources. Once "SAT" is displayed, press the "<<SEEK" button to select it.

13. Troubleshooting

Symptom	Cause	Remedy
Radio shows "DEV INIT"	Media Gateway device is initializing.	This only occurs the first time the Media Gateway is powered on. Wait a few minutes, cycle ignition off and on then enter SAT mode.
The track forward command makes the tracks go backwards on the iPod.	The seek and tune buttons have not been set to the proper configuration.	Please see the Important Configuration Process in the iPod operation section that applies to your specific vehicle.
The seek and tune buttons operate backwards.	The seek and tune buttons have not been set to the proper configuration.	Please see the Important Configuration Process in the HD Radio operation section that applies to your specific vehicle.
When trying to test operation the radio does not power up.	Radio is not grounded	Nissan radios get their ground from the mounting screws. Insert the radio back into the dash and tighten down a bolt to provide a solid ground to the radio.
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 the iPod firmware for free at http://www.apple.com/ipod/download.
I have updated my iPods firmware and still have control issues.	Sometimes the iPod needs to be reset.	Press and hold the center click and menu buttons for 10 seconds. This will re-boot 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 display button to see the correct text field.
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 the AUX source to control the iPod from the click wheel.
The Media Gateway does not recognize the HD 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 plugged in. Disconnect the PXAMG from the vehicle harness for at least 5 minutes. Verify the 8 pin DIN HDRT cable is securely connected at both ends before reconnecting the vehicle harness.

Troubleshooting (cont)

Symptom	Cause	Remedy
Radio shows "DEV INIT"	Media Gateway device is initializing.	This only occurs the first time the Media Gateway is powered on. Wait a few minutes, cycle ignition off and on then enter SAT mode.
The track forward command makes the tracks go backwards on the iPod.	The seek and tune buttons have not been set to the proper configuration.	Please see the Important Configuration Process in the iPod operation section that applies to your specific vehicle.
The seek and tune buttons operate backwards.	The seek and tune buttons have not been set to the proper configuration.	Please see the Important Configuration Process in the HD Radio operation section that applies to your specific vehicle.
When trying to test operation the radio does not power up.	Radio is not grounded	Nissan radios get their ground from the mounting screws. Insert the radio back into the dash and tighten down a bolt to provide a solid ground to the radio.
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 the iPod firmware for free at http://www.apple.com/ipod/download.
I have updated my iPods firmware and still have control issues.	Sometimes the iPod needs to be reset.	Press and hold the center click and menu buttons for 10 seconds. This will re-boot 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 display button to see the correct text field.

14. 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 Peripheral Electronics dealer. This warranty covers any supplied or manufactured parts of this product that, upon inspection by
Peripheral Electronics 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, Peripheral Electronics 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 Peripheral Electronics 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,
Peripheral Electronics will repair or replace the product at their discretion, if it is defective in material or workmanship providing it is returned to an Authorized Peripheral Electronic's dealer, with PROOF OF PURCHASE from an authorized Peripheral Electronics 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. Re-orientate 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.

For Best Performance Have It Professionally Installed.
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