



Expand Your Factory Radio

add

iPod®



GM

**Owner's Manual
iSimple Connect**



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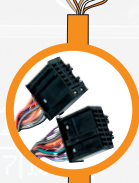
Table of Contents

	Pages
1. Introduction	2
2. Precautions	2
3. Compatibility	3
4. Dipswitch Settings	3
5. Installation	4-5
Non-Navigation Radios	
6. iPod Operation	5-6
7. USB Operation	6-7
8. Selecting AUX Input	8
9. Selecting Factory Satellite (if equipped)	8
Navigation Radios	
10. iPod Operation	8-9
11. USB Operation	9-11
12. Selecting Aux Input	12
13. Selecting Factory Satellite (if equipped)	12
14. Bluetooth Operation	12-14
15. Updating the Interface	15
16. Troubleshooting	16
17. Warranty Info	17

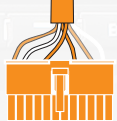
CONNECT® & Optional Add-ons



Factory Radio
Not Included



iSimple Connect Harness
Part #: PGHGM1



iSimple Connect



HD Radio

OR



Satellite Radio

OR



USB Stick

OR



iPod/iPhone

OR



AUX Input



Android Device

1. Introduction

Thank you for purchasing the iSimple CONNECT®. The CONNECT® 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 Connect.

The CONNECT® allows connectivity for iPod, Bluetooth, Sirius Satellite Radio (cable and tuner sold separately) and HD Radio (tuner 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.

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.

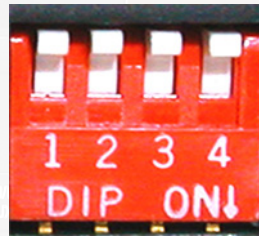
PROPER MOUNTING LOCATION

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, Velcro™ or zip-ties.

3. Compatibility

Your vehicle MUST either be equipped with, or have the ability to support Satellite Radio. Please visit www.isimplesolutions.com for the most up to date application information and to verify your vehicle's compatibility.

4. Dipswitch Settings



ALL VEHICLES

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 7mm 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 harness where you will plug in the CONNECT® harness.
3. Disconnect the factory 16-Pin harness and 14-Pin harness from the back of the radio.
4. Connect the included USB cable into the USB port on the CONNECT®. Carefully run the USB cable behind the dash to the location where it can be easily accessed. 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 Connect if an additional auxiliary input is desired.
6. If connecting the HD Radio Tuner (HDRT sold separately) or Satellite Radio tuner (sold separately), these devices MUST be connected before plugging in the 24 pin connector. Please refer to the manual included with each part for proper installation.
7. Plug in the male connectors on the PGHGM1 harness into the 16-pin port and 14-pin port on the back of the radio. Next, connect the factory 16-pin and 14-pin harness into the female connectors on the PGHGM1 harness. Be sure to make a firm connection but do not force it. Plug the Black micro-fit 24-pin connector on the PGHGM1 harness into the CONNECT® box.
8. To complete the installation secure the CONNECT® and any other modules 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.
9. 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 CONNECT® before reinstalling the factory dash panels.

10. Note: The first time you access the Connect, your radio may display “DEV INIT” while the device is initializing.

Non-Navigation Radios

6. iPod Operation

The iSimple Connect allows you to use either USB input or Bluetooth for iPod operation (Bluetooth mode is only supported by iPhone or iPod Touch)

Entering Mode Select Menu

Press the “**BAND**” button a few times until XM is displayed on the screen. Immediately turn the rotary **TUNE KNOB** in the top right hand corner to scroll through available sources. Once “IPODUSB” or “IPODBT” is displayed, press the “**FWD>>**” button to select the displayed mode.

Next Track

Turn the rotary **TUNE KNOB** clockwise one notch to advance to the next track.

Previous Track

Turn the rotary **TUNE KNOB** counter-clockwise one notch to move back to the previous track.

Fast Forward

Press “**▶ I SEEK**” to fast forward the song that is playing. Press “**▶ I SEEK**” again to resume play.

Rewind

Press “**I ◀ SEEK**” to rewind the song that is playing. Press “**I ◀ SEEK**” again to resume play.

Entering Browse Menu / Select

Press the “**FWD>>**” button to enter the browse menu or to make a selection while in the browse menu.

Menu UP

Press the “**<<REV**” button to move back one step in the browse menu.

Exit Browse menu

After 10 seconds on inactivity, the browse menu will exit automatically.

Steering Wheel Controls

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

Press the “**▼**” button to return to the previous track.

Press the “**▶ I**” button to enter into the browse menu and to make a selection while in the browse menu..

Press the “**▲**” or “**▼**” buttons while in the browse menu to scroll through the menus.

Browse by Artist

Please Note: Ipods with large amounts of music on them require time to synchronize with the Connect. While this process is taking place neither the Browse Menu or Mode Select Menu will be available. This process takes place every time you enter the iPod mode and can last up to one minute.

Press “FWD>>” to enter the browse menu.

“PL:LIST” will appear on your display.

Turn the rotary TUNE KNOB until “AR:ARTIST” is displayed.

Press “FWD>>” to select browse by Artist.

The list of Artists on your Pod 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 “FWD>>” 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 “FWD>>” 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 “FWD>>” button to select and play the desired song.

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

7. USB Operation

The iSimple Connect allows you to use USB mode with a USB Thumb Drive or phone with mass storage.

Entering Mode Select Menu

Press the “**BAND**” button a few times until XM is displayed on the screen. Immediately turn the rotary **TUNE KNOB** in the top right hand corner to scroll through available sources. Once “USB” is displayed, press the “**FWD>>**” button to select the displayed mode..

Next Track

Turn the rotary **TUNE KNOB** clockwise one notch to advance to the next track.

Previous Track

Turn the rotary **TUNE KNOB** counter-clockwise one notch to move back to the previous track.

Fast Forward

Press “▶ I SEEK” to fast forward the song that is playing. Press “▶ I SEEK” again to resume play.

Rewind

Press “I ◀ SEEK” to rewind the song that is playing. Press “I ◀ SEEK” again to resume play.

Entering Browse Menu / Select

Press the “FWD>>” button to enter the browse menu or to make a selection while in the browse menu.

Menu UP

Press the “<<REV” button to move back one step in the browse menu.

Exit Browse menu

After 10 seconds on inactivity, the browse menu will exit automatically.

Steering Wheel Controls

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

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

Press the “▶ I” button to enter into the browse menu and to make a selection while in the browse menu..

Press the “▲” or “▼” buttons while in the browse menu to scroll through the menus.

Browse by Folder

Please Note: Devices with large amounts of music on them require time to synchronize with the Connect. While this process is taking place neither the Browse Menu or Mode Select Menu will be available. This process takes place every time you enter the iPod mode and can last up to one minute.

Press “FWD>>” to enter the browse menu.

“FOLDER” will appear on your display.

Press “FWD>>” to select browse by Artist.

The list of Folders on your device will be displayed one at a time in the order they are loaded

Turn the rotary TUNE KNOB to cycle through the Folders.

When the desired Folder is displayed on the radio,

Press the “FWD>>” button to select the Folder and display the Files in that folder.

The Files from the selected Folder will be displayed one at a time in alphabetical order.

Turn the rotary TUNE KNOB to cycle through the Files.

Once the desired File is displayed,

Press the “FWD>>” button to play the desired File.

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

8. Selecting AUX Input

Entering Mode Select Menu

Press the “**XM**” icon on the navigation screen. Immediately turn the rotary **TUNE KNOB** to scroll through available sources. Once “AUX 1” or “AUX 2” is displayed, press the “▶” icon on the screen to select the displayed mode.

9. Selecting Factory Installed Sat (if equipped)

Entering Mode Select Menu

Press the “**BAND**” button a few times until “**XM**” is displayed on the screen. Immediately turn the rotary **TUNE KNOB** in the top right hand corner to scroll through available sources. Once “**SAT**” is displayed, press the “**FWD>>**” button to select the displayed mode.

Factory Sat Operation

Refer to the owners’ manual that came with your vehicle.

Navigation Radios

10. iPod Operation

The iSimple Connect allows you to use either USB input or Bluetooth for iPod operation (Bluetooth mode is only supported by iPhone or iPod Touch)

Entering Mode Select Menu

Press the “**XM**” icon on the navigation screen. Immediately turn the rotary **TUNE KNOB** in the top right hand corner to scroll through available sources. Once “**IPODUSB**” or “**IPODBT**” is displayed, press the “▶” icon on the screen to select the displayed mode.

PLEASE NOTE: When entering the Mode Select menu for the first time the radio will display “Busy” until the TUNE KNOB is turned.

Next Track

Turn the rotary **TUNE KNOB** clockwise one notch to advance to the next track.

Previous Track

Turn the rotary **TUNE KNOB** counter-clockwise one notch to move back to the previous track.

Fast Forward

Press “▶ **I SEEK**” to fast forward the song that is playing. Press “▶ **I SEEK**” again to resume play.

Rewind

Press “◀ **I SEEK**” to rewind the song that is playing. Press “◀ **I SEEK**” again to resume play.

Entering the Browse Menu / Select

Press the “▶” icon on the screen to enter the browse menu or to make a selection while in the browse menu.

Menu Up

Press the “◀” icon on the screen to move back one step in the browse menu

Steering Wheel Controls

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

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

Press the “▶|” button to enter the browse menu or to make a selection while in the browse menu

Press the “▲” or “▼” buttons while in the browse menu to scroll through the menus.

Browse by Artist

Please Note: Ipods with large amounts of music on them require time to synchronize with the Connect. While this process is taking place neither the Browse Menu or Mode Select Menu will be available. This process takes place every time you enter the iPod mode and can last up to one minute.

Press “▶” on the screen to enter the browse menu.

“PL:LIST” will appear on your display.

Turn the rotary TUNE KNOB until AR: ARTIST is displayed.

Press “▶” 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 “▶” 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 “▶” 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 “▶” to select and play the desired song.

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

11. USB Operation

The iSimple Connect allows you to use USB mode with a USB Thumb Drive, Hard Drive or phone with mass storage.

Entering Mode Select Menu

Press the “**XM**” icon on the navigation screen. Immediately turn the rotary **TUNE KNOB** in the top right hand corner to scroll through available sources. Once “**USB**” is displayed, press the “**▶**” icon on the screen to select the displayed mode.

Next Track

Turn the rotary **TUNE KNOB** clockwise one notch to advance to the next track.

Previous Track

Turn the rotary **TUNE KNOB** counter-clockwise one notch to move back to the previous track.

Fast Forward

Press “**▶ I SEEK**” to fast forward the song that is playing. Press “**▶ I SEEK**” again to resume play.

Rewind

Press “**I ◀ SEEK**” to rewind the song that is playing. Press “**I ◀ SEEK**” again to resume play.

Entering Browse Menu / Select

Press the “**FWD>>**” button to enter the browse menu or to make a selection while in the browse menu.

Menu UP

Press the “**<<REV**” button to move back one step in the browse menu.

Exit Browse menu

After 10 seconds on inactivity, the browse menu will exit automatically.

Steering Wheel Controls

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

Press the “**▼**” button to return to the previous track.

Press the “**▶ I**” button to enter into the browse menu and to make a selection while in the browse menu..

Press the “**▲**” or “**▼**” buttons while in the browse menu to scroll through the menus.

Browse by Folder

Please Note: Devices with large amounts of music on them require time to synchronize with the Connect. While this process is taking place neither the Browse Menu or Mode Select Menu will be available. This process takes place every time you enter the iPod mode and can last up to one minute.

Press “▶” on the screen to enter the browse menu.

“FOLDER” will appear on your display.

Press “▶” on the screen to select browse by Artist.

The list of Folders on your device will be displayed one at a time in the order they are loaded

Turn the rotary TUNE KNOB to cycle through the Folders.

When the desired Folder is displayed on the radio,

Press “▶” on the screen to select the Folder and display the Files in that folder.

The Files from the selected Folder will be displayed one at a time in alphabetical order.

Turn the rotary TUNE KNOB to cycle through the Files.

Once the desired File is displayed,

Press “▶” on the screen to play the desired File.

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

12. Selecting AUX Input

Entering Mode Select Menu

Press the “XM” icon on the navigation screen. Immediately turn the rotary **TUNE KNOB** to scroll through available sources. Once “AUX 1” or “AUX 2” is displayed, press the “▶” icon on the screen to select the displayed mode.

13. Selecting Factory Installed Sat (if equipped)

Entering Mode Select Menu

Press the “XM” icon on the navigation screen. Immediately turn the rotary **TUNE KNOB** in the top right hand corner to scroll through available sources. Once “SAT” is displayed, press the “▶” icon on the screen to select the displayed mode.

Factory Sat Operation

Refer to the owners’ manual that came with your vehicle.

14. Bluetooth Operation

Navigation Radios

Press the XM icon on the screen. Immediately turn the TUNE KNOB until BT is displayed. Press the ▶ icon on the screen to select the displayed mode.

Non-Navigation Radios

Press the BAND button until XM is displayed. Immediately turn the TUNE KNOB until BT is displayed. Press the FWD ▶▶ button to select the displayed mode.

Pair Your Phone

To use the iPhone with the Connect you must first pair it. Enter your phone's Bluetooth menu and search for a new device. It should discover the device named "iSimple Connect". If prompted for a PIN code enter 0000, otherwise just select "Pair".

Bluetooth Functions & Controls

- 1. Answer/End Call** - Allows you to make, receive & end phone calls directly from the factory radio. Press SEEK>> to answer/end a call. You can also press the ► I button on the SWC to answer/end a call.
- 2. Call Waiting** - Allows you to receive a call while on another call. Press SEEK>> while in a call to answer a third party call. You can then use SEEK>> to switch between the callers. Press and HOLD SEEK>> to end third party calls.
- 3. Privacy Mode** - Allows you to transfer the audio from the vehicle speakers to the handset. Press PRESET 2 while in a call to switch to privacy mode. It is also possible to answer the call directly from the phone to make the ISBT21 instantly go into privacy mode
- 4. Reject Call** - Allows you to reject any incoming call. Press <<SEEK to reject an incoming call.
- 5. Voicemail** - Allows you to press a button on the radio and say the name of the person you wish to call

Navigation Radios

While in Bluetooth mode, press the BROWSE icon, then press the VOICECALL icon & then press the BACK icon to activate voicemail.

Non-Navigation Radios

While in Bluetooth mode, press the CAT button & then press the VOICECALL button to activate voicemail.

- 6. Call History** - Allows you to scroll through a list of the most recent incoming calls to your phone. Turn the TUNE KNOB while in Bluetooth mode to scroll through a list of your previous incoming calls. You can also use the ▲ & ▼ buttons on the SWC to scroll through a list of your previous incoming calls
- 7. Call Last #** - Allows you to call the last incoming number to your phone. Press SEEK>> while in Bluetooth mode to call the last incoming number to your phone.
- 8. In Call Volume Adjust** - Allows you to adjust the volume output of the interface while in a call. Turn the TUNE KNOB while in a call to adjust the volume.

9. **Menu** - Allows you to adjust settings such as phone volume, streaming audio volume (A2DP), microphone volume, search for other Bluetooth devices, pair/ remove devices & reset the interface.

IMPORTANT NOTE

In order to access the Voicemail, Call History, Call Last Number & Menu functions, the factory radio MUST be in Bluetooth mode.

Menu Functions

Navigation Radios

While in Bluetooth mode press the ► icon to enter the menu. Once in the menu you can use the TUNE KNOB to scroll through the options. Press the ► icon while in the menu to select the displayed option.

Non-Navigation Radios

While in Bluetooth mode press the CAT button then press the >>>> button to enter the menu. Once in the menu you can use the TUNE KNOB to scroll through the options. Press the >>>> button while in the menu to select the displayed option..

1. **Settings** - Allows you to perform a search for other Bluetooth enabled devices, adjust the phone volume and adjust the microphone volume
2. **Device** - Allows you to see if a device is paired and the name of the paired device. Allows you to connect und disconnect with paired devices as well as permanently delete paired devices.

Menu Function Example: Adjusting the Microphone Volume

- >Press the ► icon while in Bluetooth mode to enter the menu.
- >Radio displays “Settings”.
- >Press the ► icon to select Settings.
- >Radio displays “BT Search”.
- >Turn the TUNE KNOB until “Mic Volume” is displayed.
- >Press the ► icon repeatedly to adjsut the microphone volume. Once the volume has reached its max limit it will roll back to one and begin to go up again.

A2DP Streaming Audio

A2DP Streaming Audio allows you to stream audio wirelessly from your device.To stream audio to your radio you must be in Bluetooth mode.

1. **Play/Pause** - Allows you to play/pause A2DP audio with the touch of a button. Press <<SEEK to Play/Pause the song that is selected. You can also press the ►I button on the SWC to Play/Pause the song that is selected.
2. **Track Forward/Back** - Allows you to change tracks while streaming audio. Turn the TUNE KNOB to change tracks. You can also use the ▲ & ▼ buttons on the SWC to change tracks.

15. Updating the Interface

Please visit www.isimplesolutions.com for all updating instructions and up to date firmware files.

16. Troubleshooting

Symptom	Cause	Remedy
Radio shows "DEV INIT"	Connect device is initializing	This only occurs the first time the Connect is powered on. Wait a few minutes, cycle ignition off and on then enter SAT Mode.
Radio shows iPod not connected	iPod cable is not connected to iPod or Connect; the iPhone is not paired via Bluetooth	Verify the docking cable is connected to the Media Gateway, and the iPod. If you are using Bluetooth mode make sure that the iPhone is paired with the Connect.
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
USB Device is not recognized	Device must be formatted to FAT32	Use a PC to format device to FAT32
Phone is not recognized as a USB device	Phone is not set to disk drive mode	Disconnect and reconnect the phone. Immediately set the phone to disk drive mode when prompted.

17. 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. 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.



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Professionally Installed.



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