



Expand Your Factory Radio

add

iPod®



**SB1
Owner's Manual
Neo Gateway
Gateway**



Enjoy the Music

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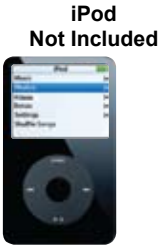
Neo Gateway & Optional Add-ons



Factory Radio
Not Included



Neo Gateway Harness



iPod
Not Included



11Ft. iPod Cable



Neo Gateway



3Ft. HD Radio Cable
(sold with HDRT)



HD Radio™ Tuner



Antenna Adapter

1. Introduction

Thank you for purchasing the ® Neo Gateway. The Neo 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 Neo Gateway.

The Neo 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 Neo 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, Velcro™ or zip-ties.

3. Compatibility Notes

This section will inform you of the specific requirements for your factory radio to be compatible with the Neo Gateway. These notes will inform you of any issues or circumstances that can affect the compatibility of our product with your radio, audio system or accessories. Not all factory radios are compatible with the Neo Gateway. The Neo Gateway will only work on models equipped with the specifications listed below. Please read and understand these notes before proceeding:

Radio Requirements

Radios that feature a “SAT” button are compatible*. This indicates that the required connection is present on the rear of the head unit and that the radio has the necessary functionality to operate the Neo Gateway.

*Vehicles that are equipped with a Double-DIN radio that has a built in six-disc CD changer are NOT compatible. Please refer to www.solutions.com for the most updated application guide.

4. Dipswitch Settings

All 4 dipswitches MUST be set in the OFF (up) position for proper operation.

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
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 Neo Gateway harness.
3. Disconnect the factory 20-Pin harness from the back of the radio. Disconnect the AM/FM antenna from the radio.
5. Connect the 8-Pin mini-din iPod cable into the first port on the Neo Gateway (furthest 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. If you are installing the HDRT HD Radio tuner (HDRT sold separately): Make the following connections before connecting the Gateway 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 Neo 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). Some vehicles may require the use of a Best Kits BAA26 antenna adapter to make this connection.
6. Next, plug the 20-pin male connector on the SB1 harness into the back of the factory radio, then connect the factory 20-pin harness into the female connector on the SB1 harness. Be sure to make a firm connection but do not force it. Plug the black micro-fit 24-pin connector on the SB1 harness into the Gateway Neo Gateway box.

7. To complete the installation, secure the Neo Gateway (Gateway) and HD Radio tuner (if present) 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, or electrical tape, or other fasteners to mount the interfaces to the factory wiring or installed audio components.

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 Neo Gateway and HD Radio tuner before reinstalling the factory dash panels.

9. NOTE: The first time you access the Neo Gateway, the radio may display "DEV INIT" while the device is initializing. If this is displayed, wait one minute or 60 seconds; cycle the ignition off and on. Now press the "SAT" button (Must press "SAT" button & then use the "Band" icon on navigation radios) to access the Gateway and begin normal operation.

6. iPod Operation

Entering Mode Select Menu

Press the SAT button repeatedly (Must press SAT button & then use the "Band" icon on navigation radios) until "iPod" is displayed on the screen. When you press the SAT button, you will see the corresponding SAT mode (for example SAT 1), a slight delay, and then the current Neo Gateway mode will be displayed (HD Radio-iPod-Aux-Sat 1 - Sat 2 - Sat 3)

Next Track

Press the SEEK ▲ button to advance one song in an Album or Playlist.

Previous Track

Press the SEEK ▼ button to move back one song in an Album or Playlist.

Fast Forward

Press PRESET 6 to Fast Forward the song that is playing.

Rewind

Press PRESET 5 to Rewind the song that is playing.

Display Options

Press the TEXT button to switch between the song title information and the play counter.

Entering Browse Menu / Select

Press PRESET 2 to enter the browse menu or to make a selection and while in the browse menu.

Menu UP

Press PRESET 1 to move back one step while in the browse menu.

Random

Press Preset 3 to toggle through the random modes.

Exit Browse Menu

Press PRESET 3 to exit the browse menu and continue playing the current song. "EXIT" will be displayed when the button is pressed.

Steering Wheel Controls

Press the ▲ or ▼ button on the steering wheel to advance or move back one song in an Album or Playlist

Browse by Artist

Press PRESET 2 to enter the browse menu.

The word "PL:LIST" will appear on the radio.

Press the Tune ▲ or Tune ▼ button until "ARTIST" is displayed.

Press PRESET 2 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 Tune ▲ or Tune ▼ button to cycle through the artists.

When the desired artist is displayed on the radio,

Press PRESET 2 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 Tune ▲ or Tune ▼ button to cycle through the albums.

Once the desired album is displayed,

Press PRESET 2 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 Tune ▲ or Tune ▼ 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 PRESET 2 to select and play the desired song.

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

7. HD Radio Operation

Entering Mode Select Menu

Press the SAT button repeatedly (Must press SAT button & then use the "Band" icon on navigation radios) until "HD-FM" or "HD-AM" is displayed on the screen. When you press the SAT button, you will see the corresponding SAT mode (for example SAT 1), a slight delay, and then the current Neo Gateway mode will be displayed (HD Radio-iPod-Aux-Sat 1 - Sat 2 - Sat 3).

Tune Up

Press and release the SEEK ▲ button to manually tune up. For navigation radios, turn the TUNE KNOB clockwise.

Seek Up

Press and hold the SEEK ▲ button to seek up to the next available station. In the Tribeca you must press the SEEK ▲ button twice.

Tune Down

Press and release the SEEK ▼ button to manually tune down. For navigation radios, turn the TUNE KNOB counter-clockwise.

Seek Down

Press and hold the SEEK ▼ button to seek down to the next available station. In the Tribeca you must press the SEEK ▼ button twice.

Changing Bands

Press the SAT button repeatedly (Must press SAT button & then use the “Band” icon on navigation radios) to cycle through FM1, FM2, FM3 and AM1.

Storing Radio Stations into Preset Memory

Once you have tuned to a station you wish to store as a Preset, press and hold one of the Preset buttons (1-6) for longer than two seconds to store the Preset into that location. The screen will display “PR SAVED” and your PRESET has been stored into memory.

Recall Stored Preset Stations

Press the Preset Button (1-6) that represents the station stored in memory that you wish to recall.

Displaying Text

Press the “TEXT” button to switch between the song title information and the play counter.

**Not all stations broadcast the artist and song title information.

*** NOTE: If the selected station supports HD Radio and the signal is strong enough the radio will auto-lock onto the HD Radio Station. The letters “HD1, HD2 or HD3” will follow the stations frequency when locked onto an HD station. The HD Radio will pick up both Digital and Analog radio signals. Multicast HD2 and HD3 stations are digital only, and will not be available if the radio signal is too far away, causing a weak signal.

Steering Wheel Controls

Press the ▲ or ▼ button on the steering wheel to manually tune up or down.

Selecting Factory Installed Satellite Radio (If equipped)

Entering Mode Select Menu

Press the SAT button repeatedly (Must press SAT button & then use the “Band” icon on navigation radios) until “SAT” is displayed on the screen. When you press the “SAT” button, you will see the corresponding SAT mode (for example SAT 1), a slight delay, and then the current Gateway mode will be displayed (HD Radio-iPod-Aux-Sat 1 - Sat 2 - Sat 3) For instructions on the operation of the factory installed Satellite Radio tuner, please reference the owner's manual supplied with the vehicle.

8. Troubleshooting

Symptom	Cause	Remedy
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.
Radio shows iPod not connected	iPod cable is not connected to iPod or Gateway.	Verify the docking cable is connected to the Neo 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 LOOSE 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
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 2 source to control the iPod manually using the click wheel
the Neo Gateway does not recognize the HD Radio tuner (HDRT)	the Gateway needs to be reset when connecting a new component such as the HDRT	disconnect the Gateway interface from the vehicle. Let it sit without power for 5 minutes. Use the 8-pin to 8-pin HDRT cable to connect the Tuner to the Neo Gateway, then connect to the vehicle

9. 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 dealer. This warranty covers any supplied or manufactured parts of this product that, upon inspection by

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, 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 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, will repair or replace the product at their discretion, if it is defective in material or workmanship providing it is returned to an Authorized Neo Car Audio dealer, with PROOF OF PURCHASE from an authorized 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.

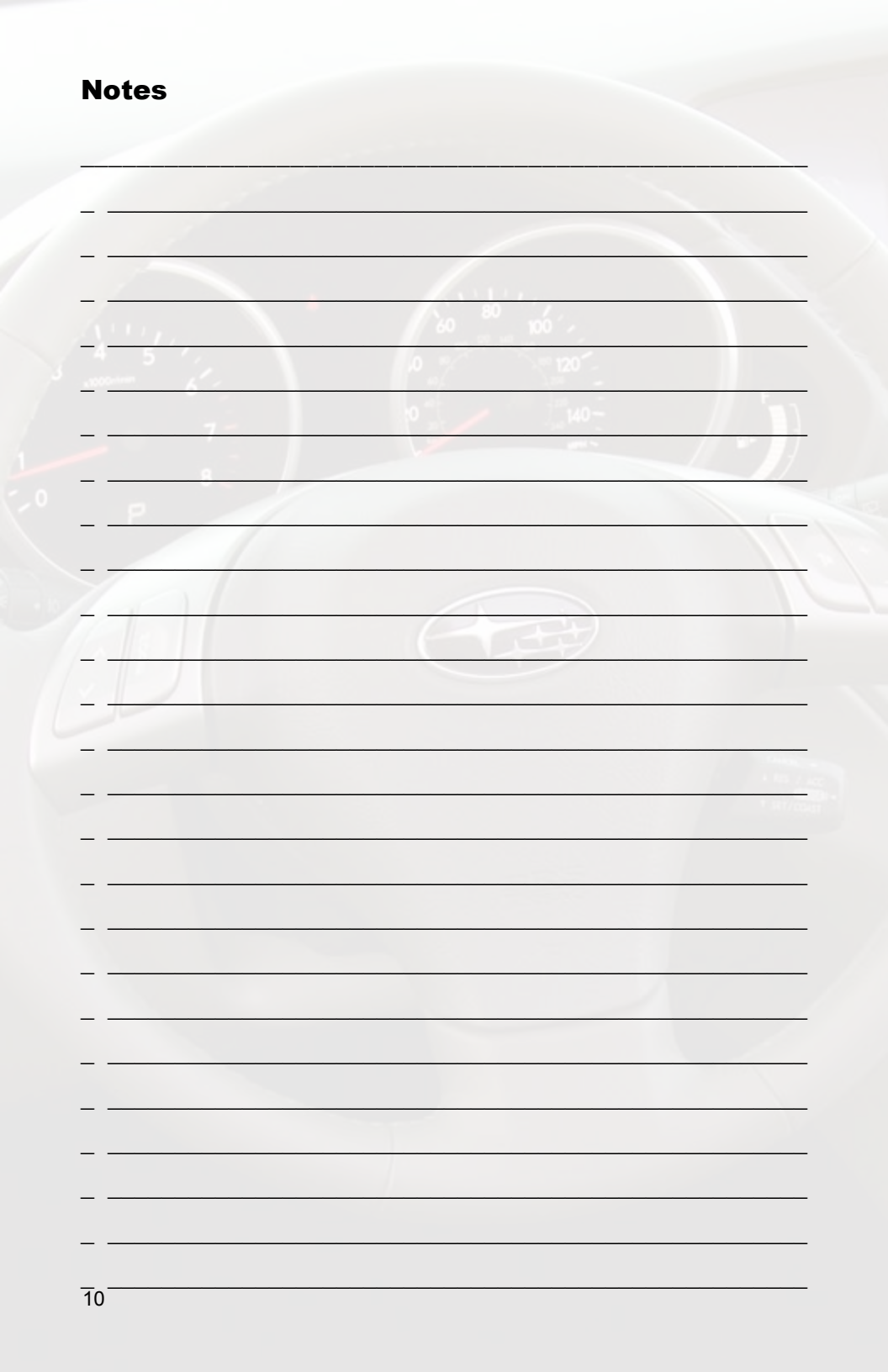
FCC Class B Radio Frequency

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.

Notes



The logo features the word "NEO" in a stylized, outlined font with a blue-to-purple gradient. Below it, the words "CAR AUDIO" are written in a clean, blue, sans-serif font. The entire logo is reflected on a light blue surface below it.

NEO
NEO CAR AUDIO

BluStream Operation in: Subaru (PGHSB1, ISSB571)

Selecting Bluetooth Mode

Press the SAT button repeatedly (Must press SAT & then use the BAND icon on navigation radios) until BT is displayed.

When you press the SAT button, you will see the corresponding SAT mode (for example SAT 1), a slight delay, and then the current mode will be displayed (HD Radio/iPod/BT/AUX 1).

Phone Controls

IMPORTANT NOTE: The radio MUST be in Satellite mode in order for the ISBT21 to function. If you switch out of Satellite Radio mode the ISBT21 will automatically disconnect from your phone and you must use the handset.

1. Answer/End Call - Press PRESET 1 to answer/end a call.

2 Volume - Press the < TUNE or TUNE > buttons or turn the TUNE KNOB while in a call to adjust the volume.

3. Call Waiting - Press PRESET 1 while in a call to answer a 3rd party call. You can also use PRESET 1 to switch between the calls. To end a 3rd party call you must press and HOLD PRESET 1 for 2 seconds.

4. Privacy Mode - Press PRESET 2 while in a call to transfer the audio from the vehicle speakers to the handset.

5. Reject Call - Press PRESET 2 to reject an incoming call.

6. Voicedial - Press PRESET 4 while in Bluetooth mode to activate voicedial.

7. Call History - Turn the TUNE KNOB while in Bluetooth mode to scroll through a list of your previous incoming calls.

8. Call Last # - Press PRESET 1 while in Bluetooth mode to call the last incoming number to your phone.

9. Menu - Press PRESET 6 while in Bluetooth mode to enter the menu. Once in the menu you can use the TUNE KNOB to scroll through the options. Press PRESET 6 while in the menu to select the displayed option.

A2DP Controls

1. Play/Pause - Press PRESET 2 to Play/Pause the song that is selected.

2 Changing Tracks - Press the < TUNE or TUNE > buttons or turn the TUNE KNOB to change tracks.