



# Neo ProLink v2

**IPOD TO NISSAN/INFINITI - PODNISV215/INFV215**

## IPOD CONNECTION KIT INSTRUCTION MANUAL

### FEATURES

- Text Display – Text can be displayed while the kit is used in SAT mode except on navigation vehicles.
- Direct Connect - iPod plugs directly into car radio's external device port.
- Track Control - Change iPod songs from XM or CD Changer buttons on car radio.
- Direct Mode - Direct access and control of every playlist, song, artist and menu setting from your iPod
- Advanced Mode - Access up to 5 playlists or Playlists, Artists and Albums from the radio buttons.
- Charging and Power – The iPod is powered and charging while in use, auto stops after 1/2 hour of non use.
- Auxiliary input - Add a DVD, Satellite radio or any audio device in conjunction with iPod.

### COMPATIBILITY

The Neo ProLink is compatible with all iPods with a DOCK connection located on the bottom of the iPod. This includes the following iPods; *iPhone, Classic, iPod, 4<sup>th</sup> Generation, Mini, Photo, U2, HP, Nano and Video*. Future iPod and/or firmware versions may affect the functionality of the kit.

<u>Models Compatible</u>	<u>Yrs Compatible</u>	<u>Modes</u>	<u>Mode</u>	<u>Notes</u>
Altima	1999-2001	CDC	N/A	CDC Must be disconnected
Altima	2005-2009	CDC or SAT	A	Navigation requires a PODINFV215
Armada	2005-2009	SAT	A or C	
Frontier	2005-2009	SAT	A	
Maxima	1999-2003	CDC	N/A	
Maxima	2004-2009	SAT	A or C	Use Mode B for 07 and 08
Murano	2004-2007/09	SAT	A or C	
Pathfinder	1999-2001	CDC	N/A	
Pathfinder	2005-2009	SAT	A or C	
Quest	2008-2009	SAT	A	
Rogue	2008-2009	SAT	A	
Sentra	1999-2000	CDC	N/A	
Sentra	2003-2009	SAT	A	
Titan	2005-2009	SAT	A or C	
Versa	2007-2009	SAT	A	
Xterra	1999-2001	CDC	N/A	
Xterra	2005-2009	SAT	N/A	
350Z	2004-2008	CDC or SAT	A	
370Z	2009	SAT	A	

- If vehicle is equipped with GPS Nav, it will work as normal.
- Radio must be compatible with SAT for SAT mode to be used
- Internal CD or CDC player will be retained.

## **WARNING!**

Do not allow the Apple iPod to distract you from driving! Only operate the unit when stationary or ask passengers to operate it for you. Neither Neo Car Audio Inc., Apple Computer, Inc., its regional offices, distributors or resellers accept any responsibility for any damage or injury as a result of using Neo iPod Integration Kits. The use of this product constitutes your acceptance of our terms and conditions. Please return the kit immediately if you do not agree. Exercise good judgment and keep your eyes on the road at all times!

Use only the iPod connector cable which comes with the Neo Adapter. Do NOT plug in any other iPod cable from any other kit. Other cable's may look similar, but can cause damage to iPod and especially to the Neo adapter.

## **IMPORTANT INSTALLATION INSTRUCTIONS - PLEASE READ BEFORE INSTALLING**

Before you begin the installation, you need to set the dip switches to the correct settings – depending on how you choose to use it. They can be changed at ANY time if you change your mind. **Make sure Power is OFF and box is unplugged before making changes. Also, NEVER permanently hide the box, it should be placed somewhere for you to access easily.**

The Neo ProLink connects your iPod directly to your stereo by connecting to the external device port on the back of the radio. It will replace the **external** 6-disc CD changers or one of the XM sources. External CD changers plug into the actual radio and therefore it is not possible to have both an external 6-disc CD changer and the Neo ProLink connected at the same time. The CD player/changer which is an “in-dash” built into the radio will not be affected.

## **ABOUT THIS INTERFACE**

This interface connects an iPod, iPhone or iTouch directly to your NISAN or INFINITI sound system for the best audio quality possible. The factory installed Navigation factory CD Changer and Sat radio will continue to work a long with the Ipod from your factory radio and steering wheel controls.

On vehicles where SAT mode is not present, CDC mode must be used, however in either case the internal single or multi disc changer can be retained.

This interface will charge both 12v (Firewire) and 5v (USB) iPods and iPhones. It will stop charging the iPod 30 minutes after the car is turned off.

When using this interface in SAT mode, text information from the iPod can be displayed on the radio screen. Artist name and Song name will be displayed much like how it's shown when using the factory SAT radio. In CDC mode the radio is not capable of doing this.

It is recommended that this kit be installed by a professional installer. It is also suggested that the module be mounted or placed in a position that can be accessed by the user for future DIP switch configuration changes, AUX or iPod cable replacements and Firmware Updates.

## **PACKAGE CONTENTS**

The complete kit PODNISV215 will include two radio harnesses (only one will be used) One 18 Pin Molex extension cable, One iPod cable and the interface adapter itself.

## **IPOD COMPATIBILITY**

Although we always suggest upgrading all iPods and iPhones to the latest available firmware, we cannot guarantee future versions will work with all the features of our kit. Please contact Neo Car Audio if you are unsure about an update after the kit has been installed and tested.

## INSTALLATION

**Step 1.** Set the Dip Switches on the module according to the radio type listed below

Radio Preset Button Type	DIP #2	DIP #3	DIP #4	Mode
*"Preset A-B-C"	OFF	ON	OFF	Folder
*"SAT1" and "SAT2"	OFF	ON	ON	Folder
CD Changer Mode (no "SAT" button)	ON	ON	ON	Playlist

**Step 2.** Remove or eject all CDs from radio or CD Changer

**Step 3.** Disconnect the 12v+ lead from battery.

**Step 4.** Remove radio from dash if installing a PODNISV215.

**Step 5.** Determine which cable is needed for your radio from one of the two radio harnesses.

**Step 6 a.** For PODINFV215, Make the connection at the factory XM Tuner or MP3 CD Changer.

**Step 6 b.** Unplug the power harness and 12 pin data connection (if equipped) from the back of the radio

**Step 7.** Plug in the 12 pin data connection from the NEO radio harness into the radio

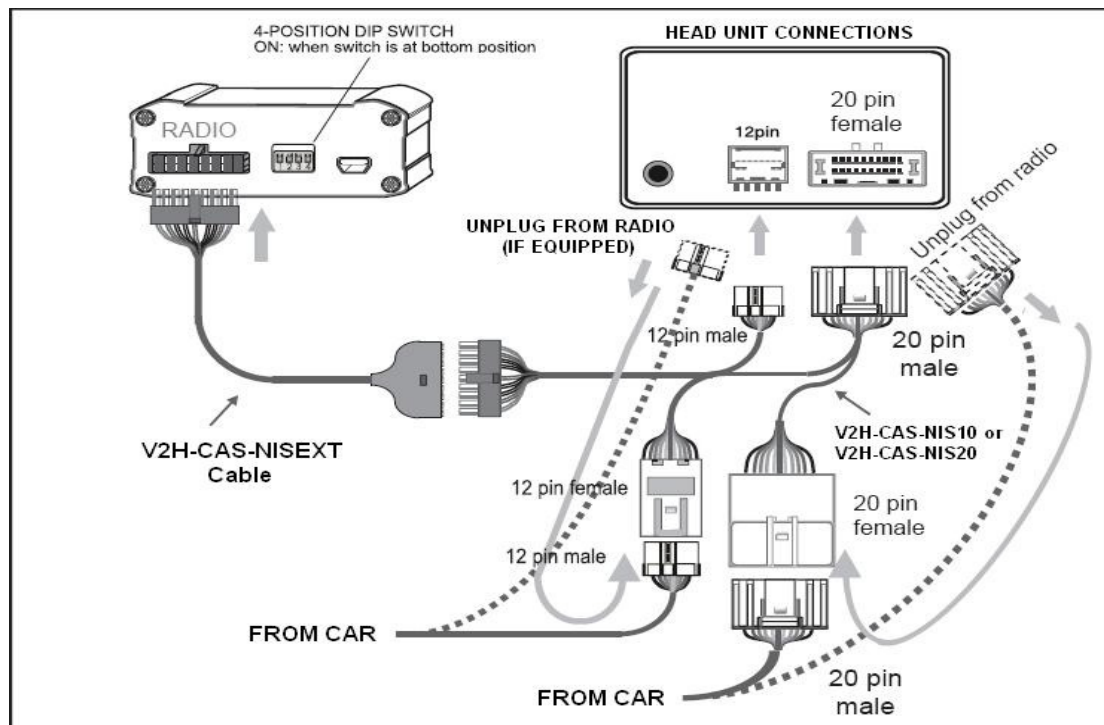
**Step 8.** Plug the power harness into the back of the radio and then the factory plug into the radio harness

**Step 9.** Connect the radio harness to the module, or if extra length is needed add the V2H-CAS-NISext cable between the radio harness and module

**Step 10.** Connect the iPod cable's Mini Din connector to the module and any AUX cable being used

**Step 11.** Route all cables to their desired permanent positions and put the radio back into the dash.

**Step 12.** Turn on the car and test kit for functionality before putting trim pieces back.



## DIP SWITCH NUMBER ONE

### Aux Input Option

The Neo ProLink adapter comes equipped with a second AUX input which is a pair of RCA connectors. This second AUX input allows you to connect another device to this adapter. You will need to use an RCA to headphone jack cable (not included). To access AUX input, go to CD # 6 after selecting the kits SOURCE on the radio.

Selected Mode	DIP SWITCH #1	AUX INPUT ACTIVE
AUX ON	ON – DWN	YES
AUX OFF	OFF – UP	NO

If you would like to use the AUX input (now or in the future), please make sure its set to ON.

If you are NOT going to use the AUX and you don't foresee yourself using it anytime soon, set it to OFF

## **OPERATION**

### **Playing the iPod and Factory SAT**

Turn on the radio and use the “SAT” or “Radio” button to switch to the iPod source if Folder mode is being used. If Playlist mode is used, press the CD or DISC button to activate the kit. (must be pressed twice if the internal CDC has discs present)

When connecting the iPod with a playlist loaded, the kit will continue to play that until the disc is changed. When switching through sources, every other time SAT is pressed the iPod will be selected.

### **Playlist Mode, Direct Mode, Folder Mode**

PODNISV215 provides two ways to control your iPod through car radio, namely (Playlist Mode + Direct Mode) and (Folder Mode + Direct Mode.).

#### **Direct Mode**

Search and select music on iPod just as you would in portable use. Use the track up/down, fast forward, rewind on radio and steering wheel to control.

- Direct Mode is supported in either XM control or CD changer control configuration.
- When PODNISV215 is configured to SAT control, preset #5 is dedicated to Direct Mode.
- When PODNISV215 is configured to CD changer control, DISC# 5 or 6 is dedicated to Direct Mode.
- In direct mode the iPod is unlocked and fully functional but text display is not supported.

#### ✧ *Application Tip*

*Direct Mode allows playing of a wi-fi music stream such as Pandora.com® from your iPhone to car stereo.*

#### **Playlist Mode**

Operate and control the iPod like it is a CD changer. This mode allows you to access five Playlists on the iPod from the radio. iPod screen will always display “OK to disconnect” or “Accessory Attached” and the iPod’s keypad is not functional.

- Use the CD or CDC button on the radio to access the kit.
- Radio displays artist name and song title only when adaptor is configured to advanced mode.
- DISC #1 through DISC #4 are Playlists and DISC #5 is all Songs on the iPod.
- If your iPod has more than 4 Playlists, see below.

#### **Playlist Naming**

When the iPod is connected to your radio with the PODNISV215 kit the adapter searches the iPod for all user created playlists. Any playlist starting with the name “NISSAN” created in iTunes will be assigned to the first positions when searching by playlist or assigned to a DISC #. If no playlists are designated in iTunes the adapter will automatically assign the first playlists available to corresponding disc or folder positions.

Playlists should be named accordingly:

Playlist #1: NISSAN1

Playlist #2: NISSAN2

Playlist #3: NISSAN3

Playlist #4: NISSAN4

Playlist #5: NISSAN5

Playlist #6: NISSAN6

The word NISSAN must be in capital letters and there can be no spaces between the word NISSAN and following numbers. You may add text after the number any way you want.

#### **Folder Mode**

Access 3 Folders, namely Playlist, Artist, and Album on iPod from radio and allows text based song search by the title of Artist, Album, and Playlist. See section 3-1 for more information. The Folders are associated to SAT presets as followed:

SAT Preset # 1 accesses *Playlist* Folder. Display on radio is: PL- *name of Playlist*

SAT Preset # 2 accesses *Artist* Folder. Display on radio is: AR- *name of artist*

SAT Preset # 3 accesses *Album* Folder. Display on radio is AL- *album name*

SAT Preset #4 access *All Songs* Folder. Display on radio is *ALL Songs*.

SAT Preset #5 access *Genres* Folder. Display on radio is Ge- *Genres name*.

**Note:** *Folder mode is applicable only to radio that has a SAT or a RADIO button.*

**CAUTION: DO NOT operate the text based song search feature if it will distract you from driving.**

**IMPORTANT!!**

**This is a one-time SET UP procedure and it must be performed at the time of installation to enable FOLDER Mode operation.**

The SET UP procedure is as follows:

- Step 1. Complete the cable connections.
- Step 2. Set the DIP switches on PODNISV215 adapter according to the DIP switch chart
- Step 3. Play the **1st track** of any Artist folder on your iPod or iPhone.
- Step 4. Pause the iPod or iPhone after the 1st track is played for few seconds.
- Step 5. Connect iPod or iPhone to interface adaptor.
- Step 6. Turn car key to ACC power ON and turn the radio ON.
- Step 7. Switch radio to SAT mode by pushing the RADIO or SAT button on the radio.
- Step 8. iPod music will play through the radio.
- Step 9. If radio has a Preset A-B-C button, select “A” preset group by pushing the “preset A-B-C” button. If radio has a SAT1 and SAT2 buttons then push the SAT1 button.
- Step 10. When radio displays CH 1, push-n-hold the preset button #1 for about 3 seconds or until a beep is heard.
- Step 11. Push the Track Up button to CH2. (Note: find out which button on your radio is for Track Up from compatibility chart).
- Step 12. When radio displays CH2, push-n-hold the preset button #2 for about 3 seconds or until a beep is heard.
- Step 13. Repeat Step 11 and Step 12 to finish the set up of CH3 to CH6 and Preset #3 to preset #6.

**The function of buttons on INFINITI and NISSAN radios varies among vehicles. Please find out the function control keys type of your radio from the compatibility chart and then operate the functions defined for your radio as follows:**

<b><u>FOLDER MODE</u></b> <b>Function Control Buttons</b>	<b><u>Radio Button or Knob</u></b>	<b><u>Function</u></b>	<b><u>Notes</u></b>
<b>A</b>	Preset #1 - #6	FOLDER selection	A
	SEEK	Sub-FOLDER Up/Down	B
	TUNE button	Track Up/Down	C
	Push & Hold TUNE	Fast Forward and Rewind	D
	DISP (or AUDIO)	Display Text Information	E
	SCAN	10 Track Advance or Retreat	
<b>B</b>	Preset #1 - #6	FOLDER selection	A
	SEEK	Track Up/Down	B
	TUNE button	Sub-FOLDER Up/Down	C
	Push & Hold TUNE	Fast Forward and Rewind	D
	DISP (or AUDIO)	Display Text Information	E
	SCAN	10 Track Advance or Retreat	
<b>C</b>	Preset #1 - #6	FOLDER selection	A
	SEEK	Sub-FOLDER Up/Down	B
	TUNE Knob	Track Up/Down	C
	TUNE Knob Fast 90° Turn	Fast Forward and Rewind	D
	DISP (or AUDIO)	Display Text Information	E
	Push and Hold SEEK	10 Track Advance or Retreat	
<b>MP3</b>	DISC #1 - #6	FOLDER selection	A
	SEEK	Track Up/Down	C
	TUNE Knob	Sub-FOLDER Up/Down	B
	FOLDER	Browse Sub FOLDER list	
	TRACK	Browse track list	

- (a)
  - (1) Push “preset **A-B-C**” button or **SAT1** to select the preset **A** group.
  - (2) Push radio Preset buttons to access iPod Folders, Direct Mode and RCA AUX (IF Active)
- (b)
  - (1) Push to select sub-folder (example: change to next or previous Playlist while in the Playlist folder; change to next or previous Artist while in the Artist folder).

- (2) When in Songs Folder, push the button to change track by alphabetic order. (this feature applies to iTouch and iPhone only. For iPods, it is a regular track and up down function only.)
- (c) Due to radio display's digit number limitation, when track number is greater than 999, track number's first 2 digits and last 2 digits are displayed alternatively.
  - (d) Push the button to rewind or fast forward the playing track for approximately 40 seconds respectively.
  - (e) Push DISP button on radio to view music's text information. (Note: available on SAT ready radio only.)

### **STEERING WHEEL CONTROLS:**

Several different steering wheel SAT control designs are available from Nissan. Some of the designs allow PODNISV215 to do track up and track down while others only allow Playlist or Folder change from steering wheel remote control. In general, the controls are able to do track up or down if the CH+ and CH- keys on steering wheel are double-function type. Double-function means the CH+ and CH- buttons can perform two different tasks depending on the length of time it is being pressed.

### **TROUBLESHOOTING**

**If the radio is not recognizing the kit or it's not working correctly check the dip switches with the module disconnected and retry. Please call Neo Tech Support at 619-704-0690 if further assistance is needed.**

**IS YOUR IPOD UP TO DATE?** If the radio recognizes the adapter, but the control is NOT correct, your iPod is not up to date. **Check Apple for the latest FW version updates. You must update your iPod.**

**USING THE NEO ADAPTER** As mentioned before, setting up playlists is NOT required. But to take full advantage of our adapter when in Playlist Mode and its quick music browsing system, we recommend you have your music organized in playlists on your iPod before using your iPod Integration Kit. Once again this is not needed, but may help in overall use.

#### **Study Your Radio's Manual!**

Please review the owner's manual for your vehicle's entertainment system. This guide does **not** provide details on the various button-specific features. Every radio is different and have buttons assigned to perform specific functions. It is up to you to determine which buttons correspond to the adapter's functions.

**Important:** Not all radios have the capabilities to perform every function that adapter can, this will depend on the radio capabilities and/or which level of radio came with your car (base, premium, etc.)

#### **General Operation**

- A** Connect the iPod to the docking cable
- B** Turn on your radio
- C** Select the XM or CD Changer source. (XM, BAND, CD, CDC, DISC button etc)

When the iPod is connected to the adapter, the iPod screen will go blank for a few seconds before the normal screen returns OR go through initialization depending on which mode you chose. If you have a CD player/changer in dash, press the CD button twice.

**For a few seconds the iPod may cycle through a set of screens while it initializes in the Advanced Mode. Wait for the iPod screen to return to normal before making any selections or changes to iPod.**

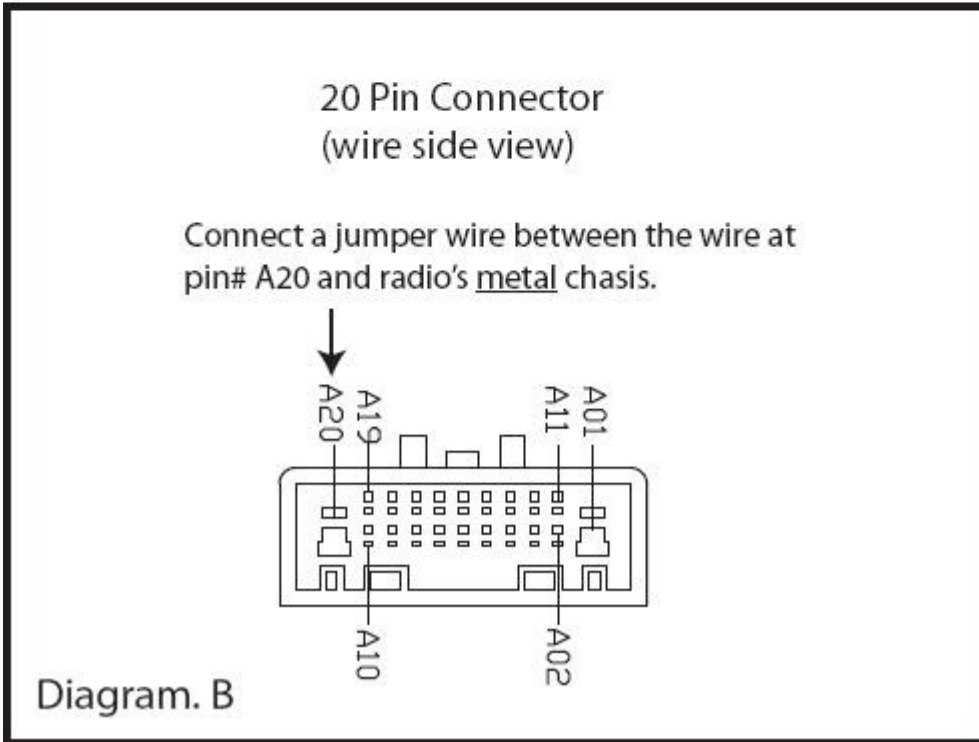
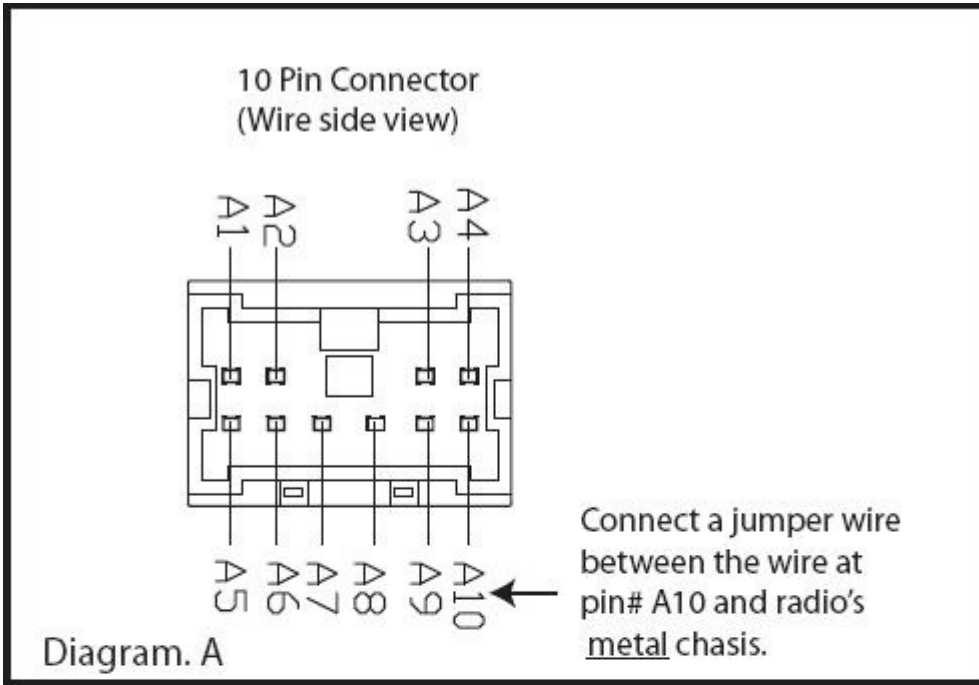
If playback does not automatically begin, then select a playlist or song. You can browse music directly on your iPod radio or steering wheel.

#### **Song Browsing**

Direct Mode: The iPod's audio will be played on **Disc 8 or Preset 8.**

Playlist Mode or Advanced Mode: The Neo iPod integration kit gives you the following features while in advanced mode.

If your iPod is not charging after everything's been connected then it means there is no power. In such cases you will have to add a ground jumper cable to the radio's metal chassis. You'll only need to follow one of the diagrams below depending on which cable you're using.



## **NOTICES, WARNINGS, AND WARRANTY**

### **One Year Limited Warranty**

The quality controls used in the manufacture of this product 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 NEO CAR AUDIO 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. Operating this unit under conditions other than those recommended or voltages other than the voltage indicated on the unit, or attempting to service or modify the unit, will render this WARRANTY VOID. Unless otherwise proscribed by law, NEO CAR AUDIO shall not be liable for any personal injury, property damage 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 NEO CAR AUDIO 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, NEO CAR AUDIO will repair or replace the product if it is defective in material or workmanship providing it is returned to NEO CAR AUDIO, with PROOF OF PURCHASE from an authorized dealer. If you have a problem with this product, please call or write to our Customer Service Dept.

All warranty repairs must have a RMA number from our service department. Contact Neo Car Audio for further warranty repair info.

### **Warning:**

1. This equipment may be reset by unintentional electrostatic discharge during operation. Exposure to direct sunlight or extreme heat may cause damage or malfunction.
2. Do not disassemble or alter the cable and interface box.
3. Make the connections correctly
4. Do not cut away the wire sheath and use the power for other equipments.
5. Do not install in locations which might hinder vehicle operation or create hazards for vehicle occupants.
6. Have the wiring and installation done by professionals.
7. Arrange wiring so it is not crimped or pinched.
8. Do not use this product for purposes other than stated for the vehicle.

### **Caution:**

1. The ACC Switch Output Connector has 10mA drive capability only. You must use a relay if higher ACC power output is required.
2. Use of headphones while operating an automobile or moving vehicle is not recommended and is unlawful in some countries and areas.
3. Be careful and attentive on the road. Stop operation of the Neo Adapter if you find it disruptive or distracting while driving. The driver of a motor vehicle should not operate the Neo Adapter while driving.

### **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. Reorient 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 to which the receiver is connected.
4. Consult the dealer or an experienced radio/television technician for help.

Notice 1: The changes or modifications not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

Notice 2: Shielded interface cables, if any, must be used in order to comply with the emission limits.

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## **Looking for an iPod Car Connection Kit for another vehicle radio?**

Visit [www.neocaraudio.com](http://www.neocaraudio.com) for more info. 619-704-0690