



# Neo ProLink v2

**IPOD TO VOLVO (SC) - PODVOLSCV2**

## IPOD CONNECTION KIT INSTRUCTION MANUAL

With the Neo ProLink for Volvo you can fully control the iPod at ALL times. This adapter does not disable your iPod screen, buttons or click wheel. There are no special playlists that need to be setup, or specific naming of playlists. Your iPod will operate the same when connected in the car as it does when you listen to it with headphones. You can access up to the first 5 playlists and you'll also have track control from the radio buttons and steering wheel (if available) by using the track up, track down, fast forward and reverse buttons to change songs.

### FEATURES

Direct Connect - iPod plugs directly into car radio's CD Changer port.

Track Control – Change iPod songs from 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 from the radio buttons.

Charging and Power – iPod is powered and charging while in use, auto stops after 1 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;

*4<sup>th</sup> Generation, Mini, Photo, U2, HP, Nano and Video.*

<u>Volvo Models Compatible</u>	<u>Yrs Compatible</u>
All Models except S80	1993-2000 2000+ models equipped with SC radios
C70	2001-2005

Compatible with CR and SC series radios only.  
Not compatible with HU series radios.

The Neo ProLink connects your iPod directly to your stereo by connecting to the external CD changer port on the back of the radio. It will replace the **external** 6-disc CD changers. 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.

### 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.**

### **DIP SWITCH NUMBER ONE:**

#### **Aux Input Option**

The Neo ProLink adapter comes equipped with a second AUX input which is an RCA connector. This second AUX input allows you to connect two devices to this adapter; an iPod and any other audio device that has a headphone or RCA jack. You will need to use an RCA to headphone jack cable (not included). To access AUX source, go to CD 6 Track 1 after selecting CD changer SOURCE on the radio.

	iPod Dip Switch Position	
Selected Mode	1	AUX INPUT ACTIVE
AUX OFF	ON – DWN	NO
AUX ON	OFF – UP	YES

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

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

### **DIP SWITCH NUMBER TWO:**

#### **IPOD CONFIGURATION - 2 MODES TO CHOOSE FROM:**

##### **Advanced Mode.**

Advanced Mode allows you to experience all the adapter has to offer. You will be able to change tracks and shuffle through up to 5 of your playlists. Text if the radio supports it will be displayed. Response time between changing tracks is quick. And DON'T worry, your ipod is fully functional, it is NOT LOCKED OUT like other adapters do. **Neo recommends this mode.**

**Important:** After plugging in your iPod you will see an "ok to disconnect", followed by a series of iPod initialization screens for up to 30 seconds before your iPod menu returns to normal. If your ipod does not go back to normal, you will need to UPDATE the ipod to the newest firmware.

##### **Direct Mode.**

If you prefer to use the adapter for next and previous track ONLY, Direct Mode is the best option. Text, playlist, etc, are not supported. Track numbers and times are not synchronized between the iPod and radio. Because there is less data to transfer between the iPod and the radio, the response time is quicker than Advanced Mode. **iPod is accessed ONLY from disc 5.**

	iPod Dip Switch Position				
Selected Mode	2	PLAYLISTS	RADIO CONTROLS	IPOD CONTROLS	INITIALIZATION
Advanced Mode	ON – DWN	YES	YES	YES	YES
Direct Mode	OFF – UP	NO	YES	YES	NO

**CAUTION: Before any connections are made, Neo Car Audio strongly recommends that all circuits be verified with a voltmeter before interfacing with them. Always set the parking break before working on any vehicle. Note: Volvo radios are code protected. Verify that the code is available before disconnecting the battery.**

#### **INSTALLATION STEPS**

**Step 1:** Disconnect the negative battery terminal.

**Step 2:** Remove factory radio from console by depressing the two removable keys on either side of the radio and carefully pulling radio out.

**Step 3:** Locate "mini din" socket on rear of radio and plug in the mini din cable.

**Step 4:** Locate the group of wires going into the back of the deck.

**Step 5:** Connect the yellow wire to 12-volt constant source. (use a voltmeter to determine the correct wire)

**Step 6:** Connect the red wire to 12-volt switched source. (use a voltmeter to determine the correct wire)

**A simple line or T tap is recommended to attach the yellow and red wires to the deck power wires.**

**Step 7:** Connect the round mbus cable – male 8-pin DIN cable to the female 8-pin DIN socket of the cord plugged into the deck.

**Step 8:** Plug the round din plug on the Volvo cable to the Neo ProLink where it is labeled "RADIO".

(Do **Not** connect your ipod until the install is complete).

**Step 9:** If using the AUX, connect the audio output of your auxiliary device to the AUX input jack.

**Step 10:** Plug the iPod cable to the Neo ProLink adapter box where it is labeled "iPod".

**Step 11:** Re-connect the negative terminal of the battery.

**Step 12:** Turn on the radio and test to see that everything is working properly. (if its not charging or the radio isn't wanting to recognize it, please confirm that it is connected to the right 12v wires)

**Step 13:** Reinstall the radio back into the dash of the vehicle. **DO NOT PERMANENTLY HIDE BOX/MODULE BEHIND RADIO.** If possible, put in a place where its relatively easy to get to in the future. Customer should NOT have to return to installer just to access box.

**\*NOTE\* Display of artist & song title on the radio LCD is NOT supported with this interface.**

**If the radio is not recognizing the kit or it's not working correctly do NOT change ANY of the dip switches, this will not fix anything. Please call Neo Tech Support at 619-704-0699.**

**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 Advanced 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 radio's 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 CD Changer source. (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. Push the CD button to access the iPod (if you have a CD player/changer, press the button twice). **The CD button is the ONLY button that will access our adapter.**

**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. Both the iPod and radio controls are **ALWAYS** active in both modes.

### **Song Browsing**

Direct Mode: The iPod's audio will be played on **Disc 5, Track 1.**

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

IF DIP Setting are set to **AUX OFF** and Advanced Mode:

Disc #	Playlist	Next Track Button "▶"	Prev Track Button "◀"	FFW	Rewind
<b>DISC 1</b>	<b>Playlist #1 in ipod</b>	<b>Next Track</b>	<b>Prev Track</b>	<b>FF Song</b>	<b>RW Song</b>
<b>DISC 2</b>	<b>Playlist #2 in ipod</b>	"	"	"	"
<b>DISC 3</b>	<b>Playlist #3 in ipod</b>	"	"	"	"
<b>DISC 4</b>	<b>Playlist #4 in ipod</b>	"	"	"	"
<b>DISC 5</b>	<b>Playlist #5 in ipod</b>	"	"	"	"
<b>DISC 6</b>	<b>ALL songs in ipod</b>	"	"	"	"

IF DIP Setting are set to **AUX ON** and Advanced Mode:

Disc #	Playlist	Next Track Button "▶"	Prev Track Button "◀"	FFW	Rewind
<b>DISC 1-4 (same)</b>	<b>Playlist in ipod</b>	<b>Next Track</b>	<b>Prev Track</b>	<b>FF Song</b>	<b>RW Song</b>
<b>DISC 5</b>	<b>ALL songs in ipod</b>	"	"	"	"
<b>DISC 6</b>	<b>Aux Source</b>	-	-	-	-

### **Navigating the iPod:**

**Changing Songs:** To change songs. Press Track Up and song advances.

**Changing Playlists:** To change a playlist, Press Disc Up until you get to the disc number of your playlist you want. To get to more playlists, you must do it manually.

**Accessing All songs:** Go to disc number represented above. (depends on how you set the dip switches up).

**Changing to the Aux input:** To change to your Aux device, press Disc up until you get to DISC 6.

There may be slight delay times when changing tracks depending on the radio software loaded from the factory and how quickly it will communicate with the adapter and the iPod. If the ◀ or ▶ buttons are pressed very quickly and the iPod has not been allowed enough time to change tracks, the track number display on the radio may not load correctly. You will also hear short bits of audio if these buttons are pressed too quickly. Remember that you have full access to your iPod buttons, so if you need to quickly change through track or are searching for a particular artist/song, you can also use the iPod itself.

## **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 repair 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 iOn if you find it disruptive or distracting while driving. The driver of a motor vehicle should not operate the Neo iOn 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.

### **Copyrights, warnings, and other information**

The illustrations, technical information, data and descriptions contained in this publication are subject to change without notice. This publication, together with all information contained in it, and all intellectual property rights on this publication remain the property of NEO CAR AUDIO. The user may not pass this publication on to third parties. No liability will be accepted for any inaccuracies or omissions in this publication, although due care has been taken to make it as complete and accurate as possible

iPod, 3rd Generation, 4th Generation, Mini, Photo, U2, HP, Nano and Video are registered trade marks of Apple Computers, Inc.

Volvo is a registered trade mark of Volvo Group.

Design and specifications are subject to change without notice.

---

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

Visit [www.neocaraudio.com](http://www.neocaraudio.com) for more info.