



NEO interface for iPod

for selected Toyota/Lexus/Scion vehicles

ProLink | **2.0**
iPod | Satellite
Installation Guide/User Manual

Made for
 iPod  iPhone

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Printed in the U.S.A

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Icon legends

	Turn jog dial
	Turn jog dial repeatedly
	Press button
	Press button repeatedly
	Press and hold button
	Scroll

Warning and safety!

Please read these instructions carefully before proceeding. Failure to follow instructions may result in improper operation or injury. Neither NEO Electronics, LLC. nor Apple Inc., its regional offices, distributors or resellers take any responsibility for any damage or injury as a result of using the integration kit.

- Do not open, disassemble or alter the interface in any way.
- Do not insert anything into the casing.
- Do not cut or try to alter cables in any way and always use the correct connections.
- Only operate unit when stationary or ask passengers to operate it for you.
- Do not allow the Apple iPod to distract you from driving.
- Exercise good judgement and keep your eyes on the road at all times.
- Do not expose unit to extreme temperatures, humidity or shock.
- Keep the unit and iPod away from fluids.
- Keep away from children! - Interface components may contain small parts, can be broken or disassembled and components may become loose from vibration and heat. Small components and packaging materials may be a choking hazard when handled by children.



Congratulations on your purchase!

Thank you for purchasing the NEO integration kit for iPod. Please review our user manual and installation guide before operating the unit. This interface was designed and manufactured to seamlessly integrate with your vehicle's factory entertainment system.

Product Serial Number

To receive firmware updates, product serial number is required during the verification process (please see page 29). Please write down the serial number located on your ProLink module, and save this page for future reference.

Serial Number:

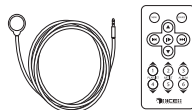
Integration kit contents

- 1x Vehicle specific interface unit
- 1x Vehicle BUS connector
- 1x USB upgrade cable
- 1x iPod docking cable
- 1x User manual

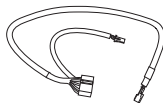
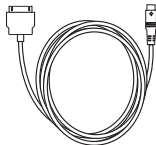
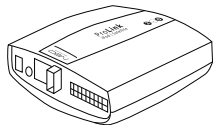
Optional accessories (sold separately):



AUX connector



IR Receiver & Remote
Controller



Supported iPod models and firmware version requirements

Model	Firmware / OS Version
1G nano	1.3.1
iPod 5G	1.3
2G nano	1.1.3
iPod classic	1.1.2
3G nano	1.1.3
iPod touch	iOS 3.1.3
iPhone	iOS 3.1.3
iPhone 3G	iOS 4.2.1
4G nano	1.0.4
120 GB classic	2.0.1
2G touch	iOS 4.2.1
iPhone 3GS	iOS 4.2.1

Model	Firmware / OS Version
160 GB classic	2.0.4
5G nano	1.0.2
3G touch	iOS 4.2.1
iPhone4	iOS 4.2.1
4G touch	iOS 4.2.1
6G nano	1.0
iPad*	iOS 4.2.1
iPad 3G*	iOS 4.2.1

* Special cable (sold separately) required to connect iPad products.
For the latest iPod compatibility information, please contact your authorized dealer or NEO Car Audio.

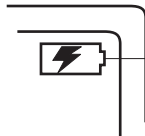
iPod content browsing

By default, the interface creates a Playlist having a name that is the same as the name of the iPod. This Playlist is the very first on the list of Playlists shown while browsing in Playlist mode. This Playlist contains all the songs on the iPod. Once a Playlist is selected an Artist may be selected within that Playlist using the Artist Mode. Albums by the selected Artist within the selected Playlist may be selected in Album Mode. "ALL ARTIST" and "ALL ALBUM" designate all available content in those categories.



Charging

The interface automatically charges the battery of the iPod when connected and your vehicle ignition key is in the ACC/ON position.



Charging may be shown by an icon that appears on the upper right corner of the iPod screen. May vary by model.

Identify your audio system

Select the emulation that best suits your vehicle. The following chart identifies the recommended emulation for the listed radios. Note that your vehicle may support more than one type of emulation.

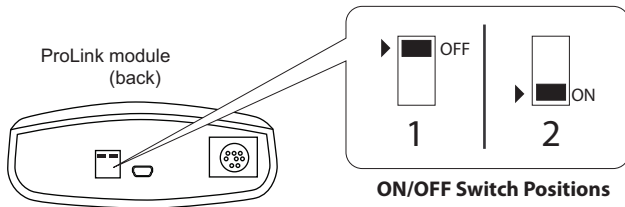
Radios	External CDC	Factory SAT	CDC	MD*	SAT**	MP3
03-06 Tape/CD	not installed or disconnected	not installed	✓	✓	✓	X
03-06 Tape/CD	not installed or disconnected	present	✓	✓	X	X
03-06 Tape/CD	present	not installed	X	✓	✓	X
03-06 Tape/CD	present	present	X	✓	X	X
06-07 MP3 Navigation	not available	not present	X	X	✓	✓
06-07 MP3 Navigation	not available	present	X	X	X	✓

* Not all radios support MD mode. If an external MD changer is present, it must be disconnected.

** Scrolling text function is available in Satellite emulation, please see p. 26 for details.

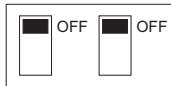
Dip switches

The configuration switches located on the NEO module are used to set the operation of the interface by the installer. Incorrect dip switch settings may cause the NEO interface not to work properly or not to operate at all. **Disconnect the vehicle BUS connector from module and cycle ignition off for 50 seconds after changing the switches!**

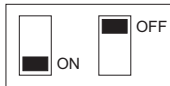


Dip switch settings



Car configuration switches							
Settings							
CD changer (CDC)		Mini DISC (MD)		Satellite (SAT)		MP3	
Dip switch 1	Dip switch 2	Dip switch 1	Dip switch 2	Dip switch 1	Dip switch 2	Dip switch 1	Dip switch 2
OFF	OFF	ON	OFF	ON	ON	OFF	ON
Use to retain factory Sirius/XM module, or on radios with integrated satellite tuner. Also for radios that do not support SAT mode. External CDC (trunk, or glove box) must be disconnected.		Use with early model year radios with external CD changer. MD text is only supported on a selected few radios, typically navigation models.		Use this setting for best user experience. Only available on SAT capable radios. To enable usage of the SIRIUS Connect tuner, SAT emulation must be used.		Use with late model navigation radios where factory Sirius/XM module is present (integrated) and CDC emulation is not supported (i.e. no text).	



Default



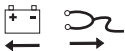
How the iPod's hold button works with ProLink:

	iPod hold ON	iPod hold OFF
		
Radio control	✓	limited
iPod control	✗	✓
Explanation	Before connecting the iPod to the ProLink module, turn the hold switch ON to fully control and browse the songs from factory radio. The iPod is locked in this state.	Before connecting the iPod to the ProLink module, turn the hold switch OFF to fully control and browse the songs from iPod. The factory radio control and browsing capabilities are limited.

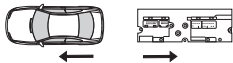
NOTE: Setting the iPod's hold switch must be done prior to connecting it to the dock cable.
iPod nano 6th generation will always be in locked mode since it does not have a lock switch.

Installation

1. VERIFY COMPATIBILITY
2. DISCONNECT BATTERY



3. REMOVE RADIO FROM CAR

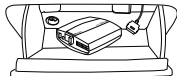


4. INSTALL NEO ProLink CABLE



5. ROUTE KIT TO GLOVEBOX OR OTHER ACCESSIBLE LOCATION*

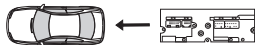
*Please see page 33 for important installation note.



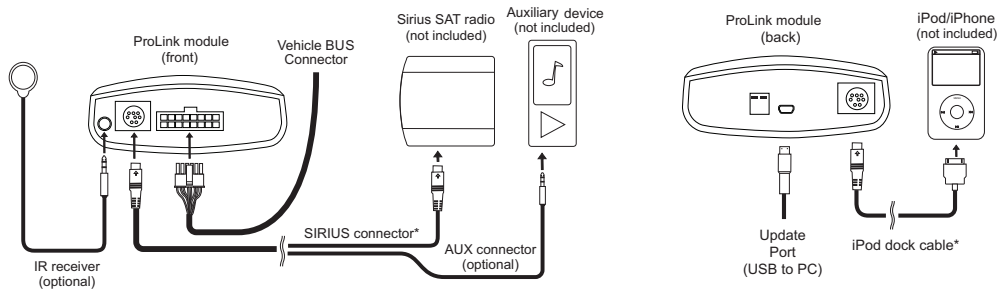
6. CONNECT BATTERY & TEST



7. COMPLETE INSTALL BY RE-INSTALLING RADIO



Connection Diagram



** Do not connect the iPod dock cable under any circumstance to the sirius module connector! Improper connection can cause permanent damage to iPod/SIRIUS module.*

Basic Operation

Press (for SAT emulation) or (for CDC/MD/MP3 emulation) to select NEO ProLink.

Audio Source Selection:

Use the / / within the first 5 seconds to cycle between iPod > SIRIUS > Factory SAT while in the default PRESET/DISC 1

* SIRIUS is only selectable if a SIRIUS tuner is attached and NEO ProLink is set to operate in SAT emulation.
Select SIRIUS as the audio source.

ProLink Interface Settings (within first 5 seconds of entering ProLink Emulation):

Select PRESET / DISC 2 to set charge time after ignition off (for iPod).

Select PRESET / DISC 3 to change base volume.

Select PRESET / DISC 4 to set up scrolling text option.

Select PRESET / DISC 5 to set up radio line display type.

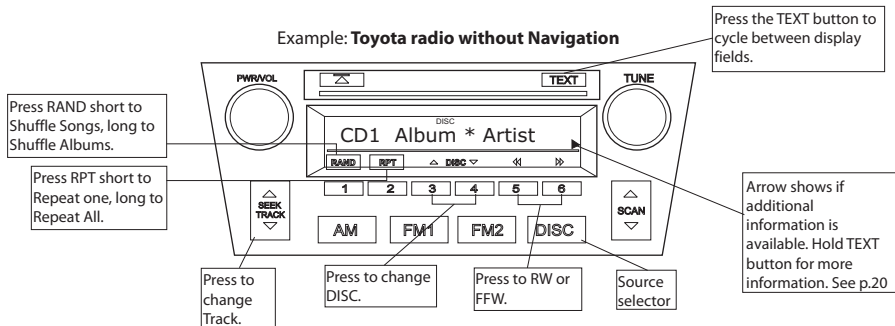
Select PRESET / DISC 6 to view ProLink firmware version.

(Select PRESET / DISC 1 to apply settings and resume audio playback.)

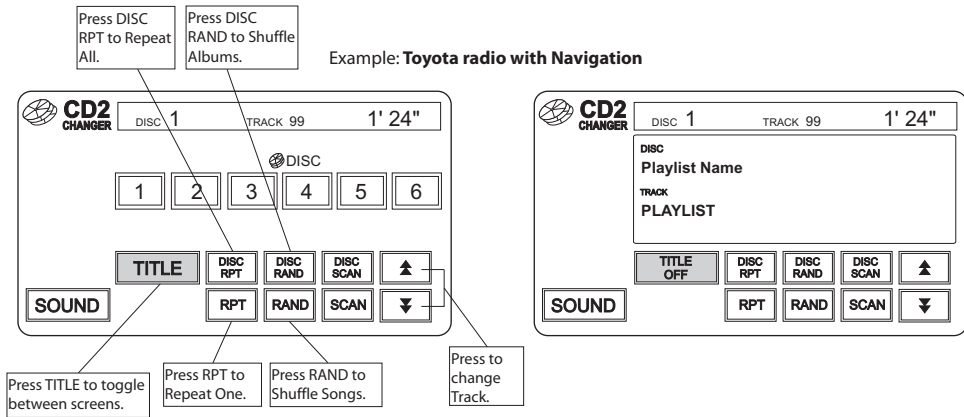
iPod audio source

Controls in CDC/MD emulation

Press the CD/CDC/DISC button to access the interface and its features. Pressing this button repeatedly will cycle through sources present (internal CD if present, followed by external) in your vehicle. When the iPod audio source is active, use the Seek track button to select next/previous song. Note that radios without a Text button will only display DISC and Track numbers.

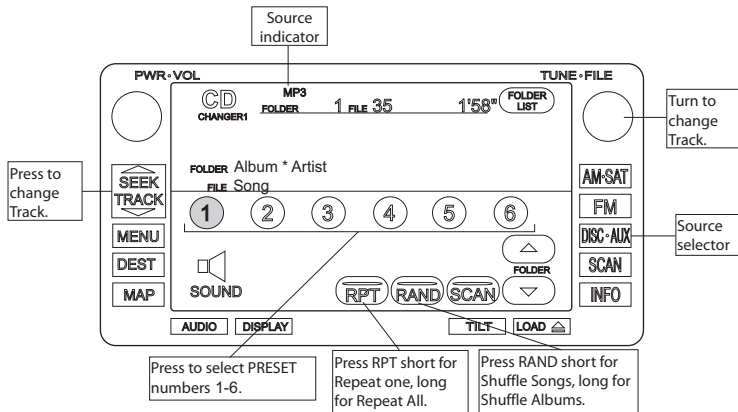


Example: **Toyota radio with Navigation**



Note that in MD mode MD1/2 will be displayed instead of CD1/2.
Some display types vary and don't have all available buttons.

Controls in MP3 emulation



Some display types vary and don't have all available buttons.

Text display fields - CDC/MD emulations, Non-Navigation radios

Press the Text button to cycle through the available Text fields. In CDC and MD mode there are two available text fields. Please see illustration below for an example of how the text button work in Playlist mode (DISC 2):

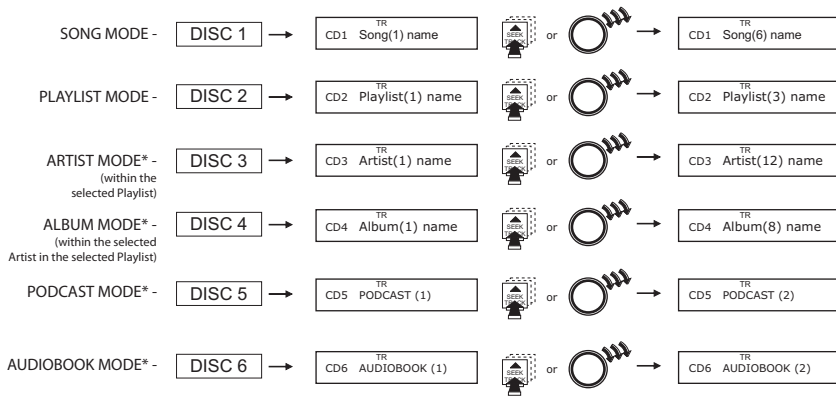


Text is paged in these modes (where supported). Additional text information can be viewed by pressing and holding the Text button. A little arrow in the right bottom corner indicates additional page of text information:



iPod browsing function - in CDC/MD/MP3 emulation

The ProLink integration kit features content browsing. After connecting the iPod, select the desired browsing mode by selecting the appropriate DISC. Press the Seek button or turn the Tune dial repeatedly to browse contents; 1 second after releasing the button, your selection is executed. The browsing function below is illustrated in the "Track" text field.

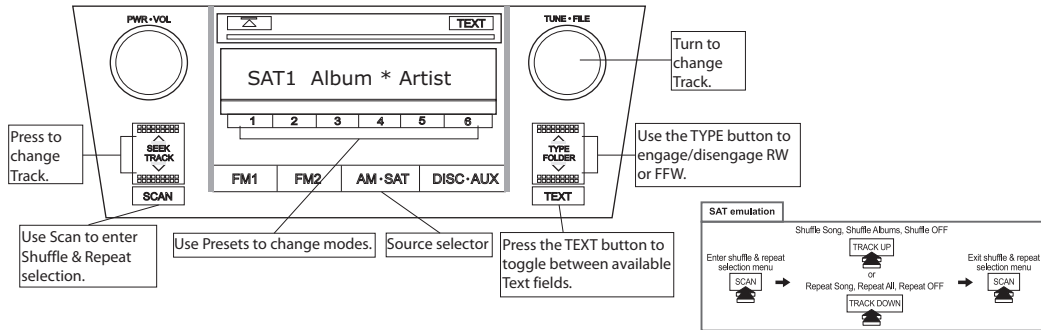


* Only available when iPod is locked.

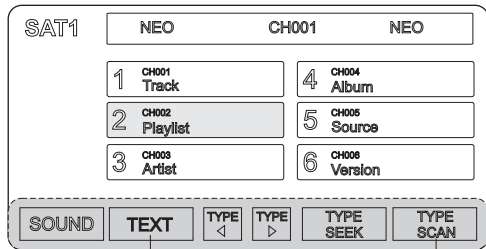
Controls in SAT emulation

Press the AM/SAT button to access the interface and its features. When the iPod audio source is active, use the Seek button or the Tune dial to select next/previous Song.

Example: **Toyota radio without Navigation**



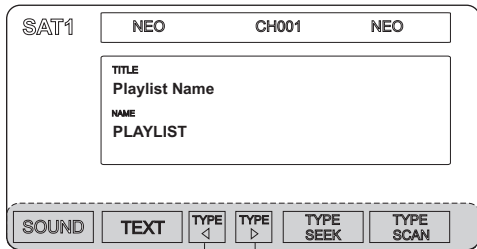
Example: Toyota radio with Navigation



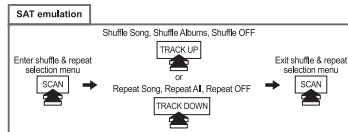
Press the TEXT button to toggle between available screens.

Use TYPE SCAN to enter Shuffle & Repeat selection.

Illustration for touch screen systems

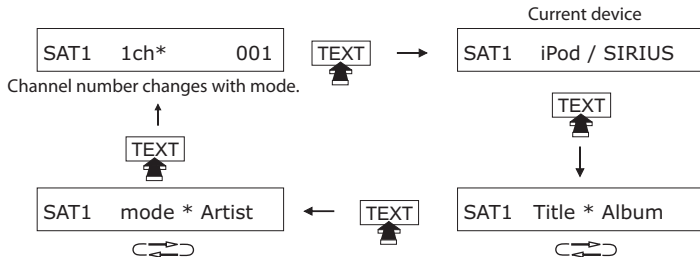


Use the TYPE button to engage/disengage RW or FFW.



Text display fields - SAT emulations, Non-Navigation radios

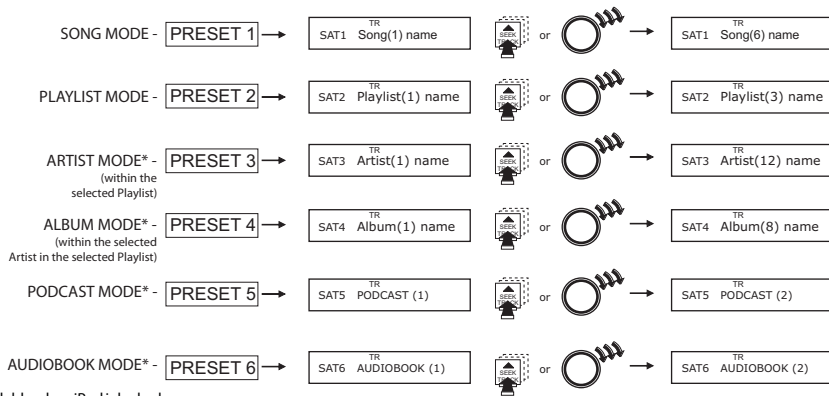
Press the Text button to cycle through Text fields. In SAT emulation there are three available text fields. Please see illustration below for an example of how the text button works for Song mode (Preset 1):



* Channel number changes with mode; it indicates browsing mode for iPod, and preset association for SIRIUS channel.

iPod browsing function - in SAT emulation

The ProLink integration kit features content browsing. After connecting the iPod, select the desired browsing mode by pressing the appropriate Preset button. Press the Seek button or turn the Tune dial repeatedly to browse contents; after releasing the button, your selection is executed.



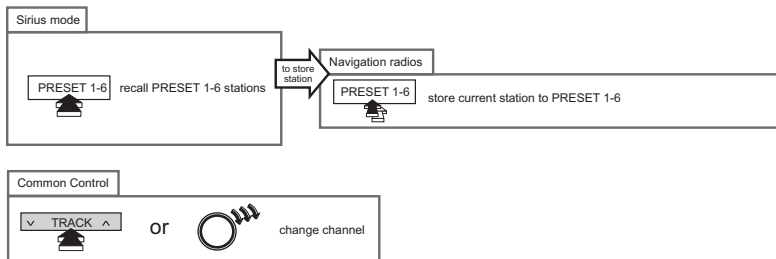
* Only available when iPod is locked.

SIRIUS browsing function (only available for SAT emulation)

The ProLink integration kit features SIRIUS connectivity. Use seek button or turn the tune dial to browse between subscribed channels.

To Memorize a subscribed channel: Tune to desired station. Press and hold the desired PRESET to save as preset.

To recall a memorized channel: Simply press the desired PRESET.

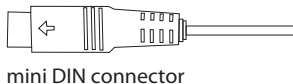
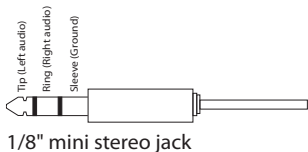
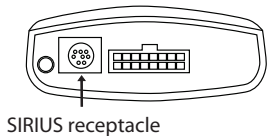


- If a Sirius Connect compatible tuner is not detected, then a "No Tuner" vehicle message is displayed.
- Go to Channel 000 to view the Sirius Tuner ID for activation. The 12 digit SID display format is in two halves as SID "123456-" followed by "-789ABC".

Auxiliary audio source with optional AUX connector

Connections

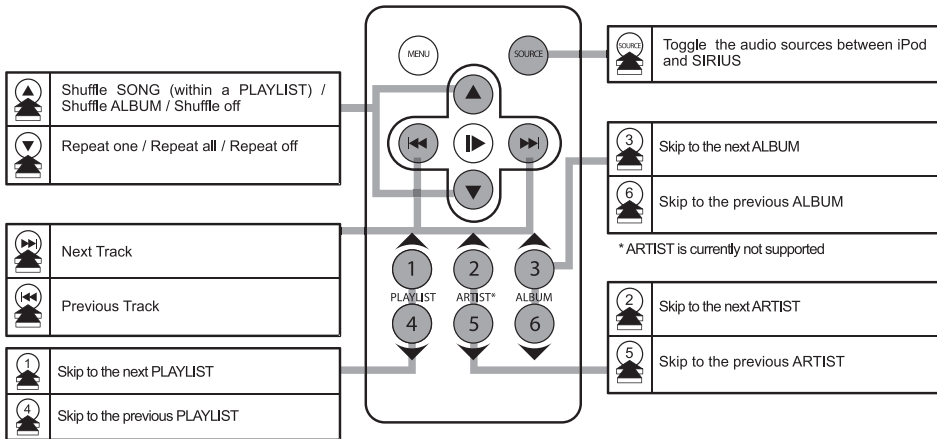
The interface is equipped with a 1/8" AUX jack connection adapter to connect an auxiliary device, such as an MP3 player, DVD player or other audio source.



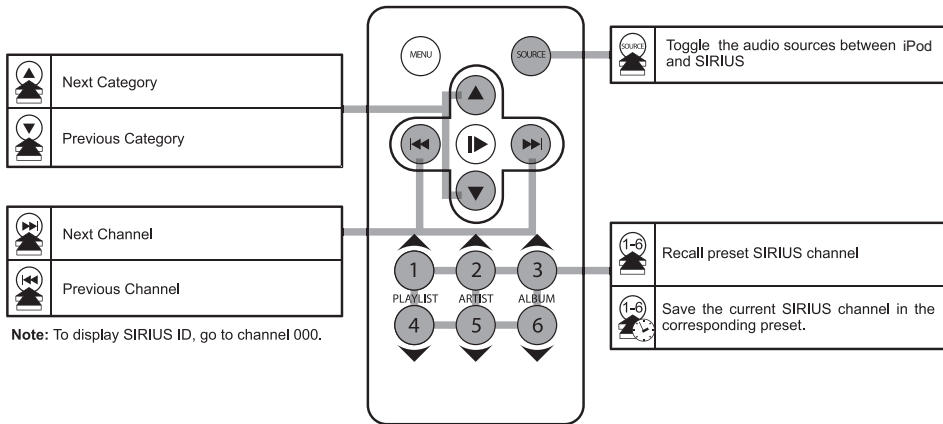
To access AUX audio source:

- Plug the mini DIN connector of the AUX adapter cable into the SIRIUS receptacle and connect the 1/8" mini stereo jack to the sound output of your audio device.
- Enter AUX mode (AUX mode should now be selectable).
- All music playback is controlled through your audio device. No tuner message will be shown on the radio.

Optional wireless remote function for iPod



Optional wireless remote function for SIRIUS



Firmware update

STEP 1: Disconnect the ProLink module from the vehicle.

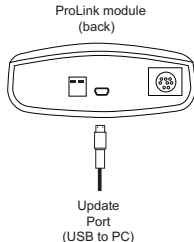
STEP 2: Visit www.neocaraudio.com/support, click on firmware update button.

STEP 3: Complete the product registration form.

STEP 4: Open software to follow instructions for updating ProLink unit.

STEP 5: Plug in the ProLink module via mini USB cable and update.

STEP 6: Disconnect and reinstall the unit into the vehicle.



Troubleshooting

Problem	Solution
In SIRIUS mode there is no audio	The Antenna signal may be weak. This can happen in places like tunnels or in areas where the environment effects SAT radio signal.
No audio from iPod source.	Reset the iPod. Verify proper connection to iPod/interface.
Radio/ steering wheel controls do not operate iPod.	Reset iPod and make sure most recent iPod firmware is installed. Check vehicle user manual on how steering wheel controls work.
My iPod doesn't work reliably with the ProLink.	Be sure to keep the software for the iPod and ProLink up to date. Check apple.com for latest iPod software, and neocaraudio.com for latest ProLink software.

Troubleshooting

Problem	Solution
Text is not displaying in selected emulation.	Identify your audio system first (p.9) and set switches accordingly. Note that your vehicle may support more than one mode.
iPod does not charge.	Check all connections. Reset iPod and make sure iPod charges while connected to computer or wall charger.
Music is distorted or sound level is too low.	Check and make sure all EQ and BASS boost options are turned off on your iPod. (Refer to AUX settings on p.26)
My radio is SAT capable but doesn't have a SAT button. How do I access the SAT mode?	For SAT capable radios that don't have a SAT button, use the AM button to access SAT.

Warranty, Warning & Caution:

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.

Copyrights, warnings, and other information

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XM is registered trademark of SIRIUS XM Radio Inc.

Design and specifications are subject to change without notice.

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

Visit www.neocaraudio.com for more info. 619-704-0690

Attention installer! Please read the following!

NEO Car Audio Inc. strongly recommends that the unit be installed in an easily accessible place! DO NOT PLACE IT BEHIND THE RADIO!

Whether the unit is professionally or self installed, put the module where you, the end user can get to it easily in the future. (Have the installer show you where the box is.)

Hiding the NEO module behind the radio will make it difficult to:

- Add possible future upgrades, changing software, adding new features, improving operation;
- Access the AUX input on the module to attach any audio device;
- Access the DIP switches located on the module;
- Remove the unit in case of failure.

MAKE SURE THAT THE MODULE IS IN AN ACCESSIBLE PLACE!



NEO CAR AUDIO

Toyota/Lexus/Scion compatible integration for iPod
www.neocaraudio.com

Toyota/Lexus/Scion-PROLINK 2011-02
