



Expand Your Factory Radio

add

Bluetooth Calling

&

Music



Owner's Manual

Neo Bluetooth

BAD3V9	BMBU3V9
BBMW3V9	BMX3V9
BHD3V9	BSB3V9
BHD93V9	BTOY3V9
BLR3V9	BTY3V9
BLX3V9	BVWDS3V9
BMB3V9	BVWT3V9



ENJOY THE MUSIC

Installation Instructions

Chapter 1 – Getting Started

1.1 Subject

The Neo Bluetooth adapter will provide seamless Bluetooth integration into many factory car stereos. When connected to the car stereo the adapter provides wireless hands-free operation with accept/reject call features. The Neo Bluetooth adapter also enables wireless A2DP music playback with AVRCP control.

1.2 Introduction

Thank you for purchasing the NEO Bluetooth adapter, which has been designed to provide endless hours of listening pleasure through most vehicles factory radios. With the Bluetooth Dongle you will be able to:

- Use your phone in your car hands free.
- Stream your MP3 or internet radio music and control it where applicable with the stereo buttons.
- Hear GPS voice announcements and more (when applicable).

To insure that your Bluetooth interface performs correctly in your vehicle, we recommend that you read this entire manual before attempting installation

1.3 Precautions

Proper mounting location

Securely install the interface in a location that is free from heat, humidity, moving parts, or direct sunlight. Beware of hot airflow from your vehicle's climate control system. We recommend securing the interface to a suitable location, free of sharp metal edges, using double-sided tape, Velcro, or wire ties.

1.4 Disclaimer

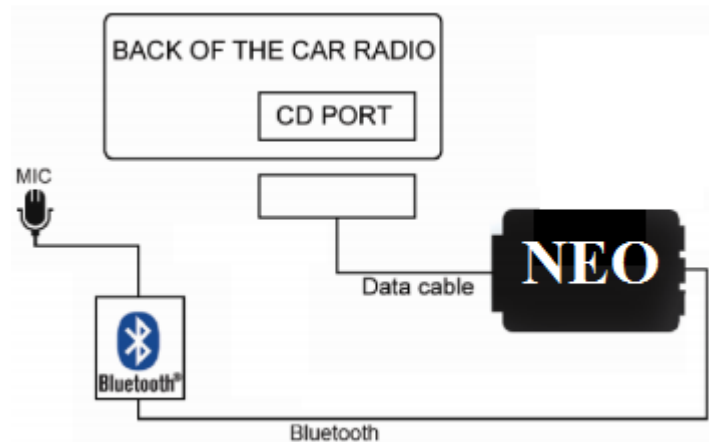
- This product is not affiliated with any of the OEM manufactures.
- Modifying the radio may void any outstanding warranty.
- While every care has been taken to provide a quality product, we cannot guarantee that the Neo Bluetooth adapter will function correctly if installation is not done according to the instructions provided in this guide. We also cannot guarantee that the NEO Bluetooth adapter will function correctly with a device that is broken or damaged or not supported.
- Keep your eyes on the road while driving!
- We are not liable for the misuse of this product. Misuse includes improper installation, damage to the board or radio while trying to install it, and the illegal use of the radio.

1.5 Completeness and connection of set

a) NEO Bluetooth adapter set consists of the following (see figure 1).



b) Basic wiring diagram of NEO Bluetooth adapter (see Figure 2):



1.6 Important Compatibility Notes

If your vehicle is equipped with an external factory CD changer, you must disconnect it in order to be able to install the interface. You will lose the use of the external CD changer to gain the use of your Bluetooth adapter. Any built-in CD changer will remain working.

Chapter 2 – General Installation

2.1 Installation location:

Most installations will require you to remove the factory radio in order to plug in the vehicle specific harness.

For some vehicles, you will also have the option to connect the interface to the factory pre-run CD changer cable located in the trunk or glove box.

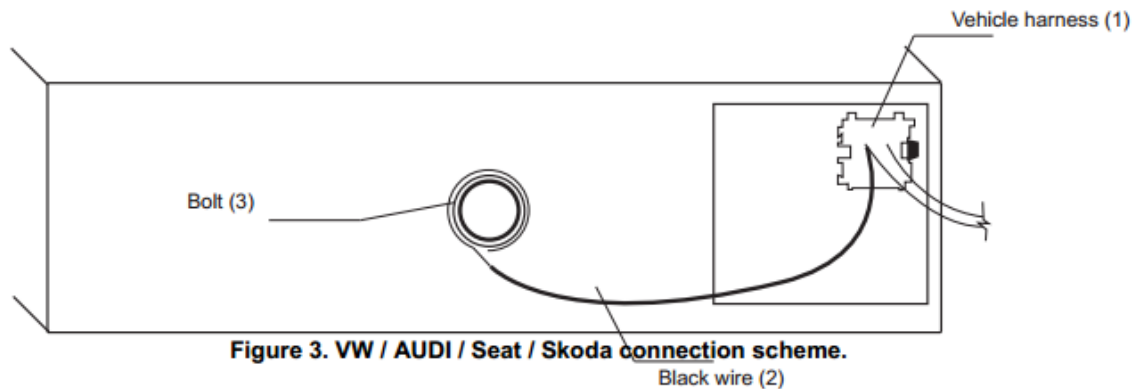
2.2 Tools needed:

In many cases, there are no special tools required in order to remove the stereo. Radio removal tools are available for some stereos to aide in the removal of the radio. Please consult your local car audio shop or your vehicle's dealership for instructions or assistance if necessary.

If you are unsure how to install the interface properly, we recommend contacting your local car stereo shop for the assistance.

2.3 Preparation and adapter installation

1. Turn off car engine and remove key from ignition.
2. If your radio uses a Security Code, make sure that you have the code before unplugging the radio.
3. Un-mount your radio from the dash in order to get access to the back side of the radio. Some vehicles require special tools to remove the radio. Please consult your vehicle's dealership or a local car audio professional if necessary.
4. Attach the car harness connector to the back of the stereo to the CD changer port. Be sure to make a firm connection but do not force it. Connect the other end to the module.
5. **VW/AUDI/SEAT/SKODA - there is a black single cable on the vehicle specific harness (3).** You will need to attach it to the back bolt of the car stereo or to the stereo chassis.



Remove the PVC from the end of the black wire (2)

- (a) Connect the end of the black wire (2) to the metal part of the car stereo chassis. You can connect it under the bolt (3) if present.
- (b) Make sure that the solid contact is maintained between the striped black wire and the metal part of the car stereo body.

The failure to attach the black cable to the chassis of the stereo will mean that the NEO adapter will not work! All VW / AUDI / Seat / Skoda vehicles require this black cable to be attached.

6. **For AUDI vehicles only:** For some AUDI head units an additional part or harness modification is required in order to gain the access to the CD changer port. The 8-pin CD changer port on such stereos is occupied by a solid 20-pin connector. Please contact Neo Car Audio tech support for further information 619-704-0690.
7. **Adapter mounting in the trunk (for select VW and BMW only).**
 - Locate the trunk mounting cable in your car (usually located along the left side of the car in the back).
 - Disconnect the existing CD changer, if present.
 - Attach the matching cables.

- **For BMW trunk installation:**

Some BMW's are factory wired for a cellular phone. Except for wire location, the factory cellular phone connector looks identical to the factory 3-pin connector used for the CD changer. The CORRECT 3-pin connector for the CD changer **has a BROWN wire (ground) in the #1 pin position**. Please make certain you use this connector.

The INCORRECT factory cellular phone connector has a BROWN wire in the center position—**DO NOT USE THIS CONNECTOR**.

8. **For Toyota vehicles only:** In some Toyota / Lexus / Scion vehicles the CD changer port is occupied with a factory harness (such as NAV or audio harness). The NEO package for Toyota includes a Y shaped vehicle cable. In order to connect interface properly please follow to the scheme below.

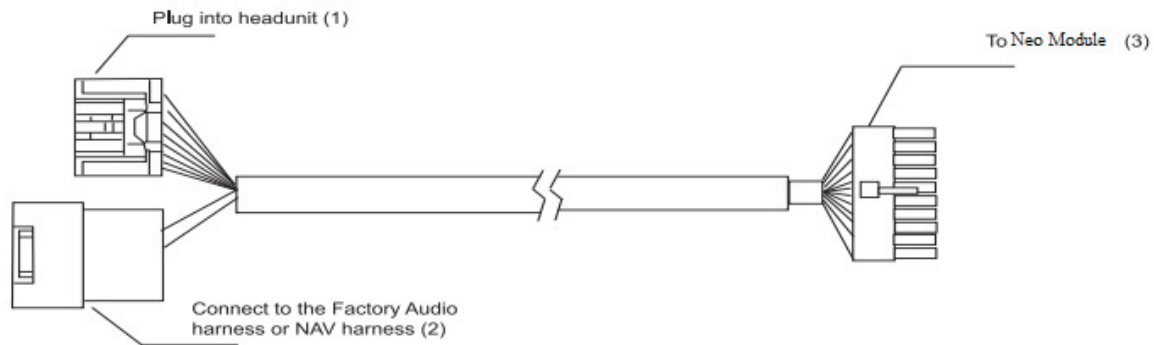


Figure 4. Connection scheme for Toyota/Lexus/Scion

If the car does not have NAV or XM leave the female end of the Toyota harness open.

9. **For Honda / Acura 03 and never (HON1 adapter) and Chrysler/Dodge/Jeep with navigation or XM installed** you may need HON1-Y Y cable or CHR-Y cable in order to gain the access to the car stereo port occupied with the factory connector. Please contact Neo Car Audio for more information.
10. Connect the Bluetooth dongle 8 pin connector to the EXT1 port of the module. Mount the dongle module away from metal structures in the dash and as close to the phone as possible.
11. Choose a proper mounting location for the microphone such as near the rear view mirror or sun visor. Avoid mounting the microphone by the side windows to eliminate extra noise. Please also avoid mounting behind visor to avoid blocking voice from reaching the microphone. Carefully route the microphone cable to where the module is installed. Connect the microphone to the female audio plug on the bluetooth dongle. Make sure the mic is connected securely and all the way into the 3.5mm port (see picture below).



12. Once the interface is connected to the radio, you will need to test the operation of the interface before re-assembling the dash.
13. Turn your car stereo on and switch it over to the CD Changer mode using the Disk / Mode / CD / AUX (depending on the stereo type) buttons on your car stereo until it shows Disk 1, Track 01 on a the display. Follow the operation instructions in sections **2.4 – 2.6** to test the interface.
14. Once the operation of the interface is confirmed, you may continue with the installation. If you experience difficulties with the installation, please see our **troubleshooting section**.
15. Find a place where you can place the NEO Bluetooth adapter. We recommend placing the module in a place that is easily accessible.
Note: Make sure you mount the NEO Bluetooth adapter in a place with enough room so that, when you re-mount the car stereo, you do not break the adapter.
16. You may use the glove box or other spaces inside the dash to direct Audio cables to a convenient location.
17. Re-mount your car stereo, making sure its clips or strews are secure.

Congratulations! You have installed the Neo Bluetooth adapter. You may now use it with your cellular device.

2.4 Pairing with the Phone

You will need to pair your phone with your Bluetooth receiver only once.

1. Please make sure that Bluetooth function on your phone is active or turned on and that the phone is set to be discoverable mode before turning the key. Refer to your phone's user manual to learn how to turn on and initiate the pairing feature.
2. Turn ON vehicle and radio. The Neo Bluetooth will become discoverable by your phone for 3 minutes. You must pair your phone within that interval.
3. The pairing needs to be performed only once. After pairing is completed your phone will automatically connect to the interface each time the ignition is turned on (whether radio on or off).

NOTE1: Your phone can ask for confirmation and you can get the pop-up message "Confirm that the passkey "... is shown on GROM-CAR". Click "PAIR" then. A random pin will pop up; you should only have to press Connect.

NOTE2: Certain vehicle electrical systems may activate the interface upon vehicle unlock.

NOTE3: The Bluetooth interface is on as long as vehicle is on. If radio is OFF, and you are receiving a call, you can answer automatically by turning ON the radio and selecting the adapter mode.

2.5 Using your phone in the hands-free mode.

Once the Bluetooth is paired with the phone and the stereo is in CD Changer mode you can start using your phone hands free. Once you receive the phone call the stereo will mute and you will hear the incoming call and you are able to:

1. Answer Call – Press next track or track up.
2. Reject Call – Press previous track or track down.
3. End Call -- Press previous track or track down.
4. Call Waiting (answer a second call) -- Press next track or track up.
5. Voice dialing- Press SCAN twice within 3 seconds while in CD Changer mode. You can only initiate voice dialing when there is no music streaming over Bluetooth. Do not press SCAN within first 5 seconds of entering CD Changer mode.

To make a phone call:

1. Dial the phone number on your phone.
2. Once the phone is dialing the music will mute and the call will be heard over the cars audio system. You will now be able to continue your call hands free.

NOTE: If your stereo is not in CD Changer mode and you receive a phone call simply switch to CD Changer mode to be able to answer the call hands free.

2.6 Streaming your music wireless and using A2DP Audio Controls.

With the Neo Bluetooth interface you are able to stream the music from your mobile phone directly to the car stereo system wirelessly and control it with the car stereo and steering wheel controls.

1. When A2DP (advanced audio distribution profile) music starts playing, other audio will mute and A2DP will play.
2. To stop music playing -- stop playback on your phone. Playback of the previously selected source will resume.
3. Control A2DP music track selection by using track up and track down on the car stereo or steering wheel buttons. *Some apps may not support track control.
4. Changing car radio mode to a different source will pause A2DP playback.

2.7 When the car ignition is OFF

When you turn your car ignition or car stereo off music will remain playing. You will need to turn the music off manually if you do not want it to continue playing.

2.8 Available Upgrades:

- Additional auxiliary input with USB charging.
- Direct iPod/iPhone integration with full control and charging.
- Direct Samsung Galaxy integration with full control and charging.

Chapter 3. - Support

Troubleshooting

Symptom	Cause	Remedy
No power	Bad connection	Check the cable connections
Radio is not recognizing Neo Adapter	Some car stereos have to be restarted before the radio catches the signal	After connecting the adapter turn the stereo on, and then turn the ignition off and back on
Radio is not recognizing Neo Adapter	External CD changer is present	Make sure to disconnect the external CD changer
Radio is not recognizing Neo Adapter	Bad cables or cables are not connected properly between the interface box and car radio	Check connection and cables, push in firmly.
You can't hear the music from the audio device	No CD changer is selected	Make sure CD changer, SAT mode or AUX is selected (correct button depends on your stereo)
For VAG only: Radio is not recognizing Neo adapter	Single black wire on the vehicle specific harness (2, see Figure 3.) is not attached to the stereo chassis (stereo body)	Attach the black cable to the car stereo body and make sure it is properly grounded
For BMW only: Radio is not recognizing Neo adapter	iBus wire has come loose Sometimes when using Posi-Tap clips, the iBus wire may not receive proper connection due to its wire size	Make sure the iBus wire is securely attached by using multimeter or slightly tighten up the Posi-Tap connector.
Audio is coming only from 1 speaker	The 10-pin sound connector is not aligned correctly	Make sure that 10-pin sound connector on the vehicle cable is aligned correctly
I cannot pair my phone with the Neo adapter	You are not pairing within the 3 minute pairing timeframe.	Once you turn on the vehicle the adapter becomes discoverable for 3 minutes. You must pair your phone within that 3 minute interval.
I cannot pair my phone with the Neo adapter	Your phone needs to be reset	Please reset your phone and try to pair again. You can reset your phone by turning it off and on or pulling the battery out.
I cannot pair my phone with the Neo adapter.	The unit needs to be reset. This will clear the pairing memory of the Bluetooth dongle.	Reset Instructions: 1. Change from CD Changer / SAT mode (FM for example). 2. Wait 3-4 seconds 3. Switch back and after 1 second press SCAN or REPEAT button on the stereo 4. You will hear a low beep confirming the reset
The sound from the microphone is distorted or muted.	The microphone is not positioned correctly or not connected securely.	Please make sure to position the microphone in a location that is free from obstruction and facing user. Make sure 3.5mm of mic is secure
Cannot connect to Bluetooth.	You have paired too many phones to the Bluetooth dongle, pairing memory will need to be reset / cleared.	Reset Instructions 1. Change from CD Changer / SAT mode (FM for example). 2. Wait 3-4 seconds 3. Switch back and after 1 second press SCAN or REPEAT button on the stereo 4. You will hear low beep confirming the reset 5. Delete old grom-car from the phone, pair a new grom-car that comes up after reset.

For technical support please contact
Neo Car Audio
619-704-0703