

# Installation Instructions

## Chapter 1 – Getting Started

### 1.1 Subject

The GROM AUX adapter – an integration between an MP3 player and a factory installed car stereo. Equipped with the specific vehicle harness and standard 3.5mm jack the GROM-AUX interface will allow you to connect your MP3/DVD/XM player or iPod / iPhone to the car stereo system easily.

### 1.2 Introduction

Thank you for purchasing the GROM-AUX adapter, which has been designed to provide endless hours of listening pleasure through most vehicles factory radios. To insure that your AUX interface performs correctly in your car or truck, we recommend that you read this entire manual before attempting install the GROM interface.

### 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.
- The purchase of this product carries with it no warranties, either expressed or implied.
- While every care has been taken to provide a quality product, we cannot guarantee that the GROM AUX adapter to function correctly if installation is not done according to the instructions in this guide. We also cannot guarantee that the GROM AUX adapter will function correctly with an MP3 player if the MP3 player 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.

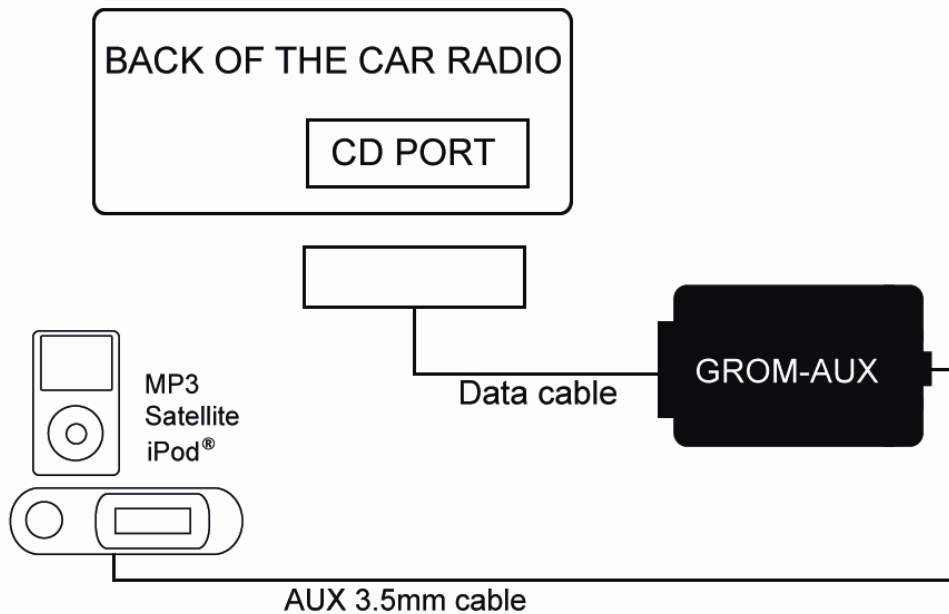
### 1.5 Completeness and connection of set

a) GROM Audio AUX adapter set consists of GROM main module, 3.5mm audio cable, and vehicle specific cable (see figure 1).



**Figure 1. Package content.**

b) Basic wiring diagram of GROM Audio AUX adapter is the following (see Figure 2):



**Figure 2. Basic wiring diagram**

## **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 iPod or MP3 player. Any built-in CD changer will remain working.

For a full version of the GROM application guide, please visit

[http://gromaudio.com/grom\\_application\\_guide.pdf](http://gromaudio.com/grom_application_guide.pdf) or contact Grom Audio at

<http://gromaudio.com/support.html>

## **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:**

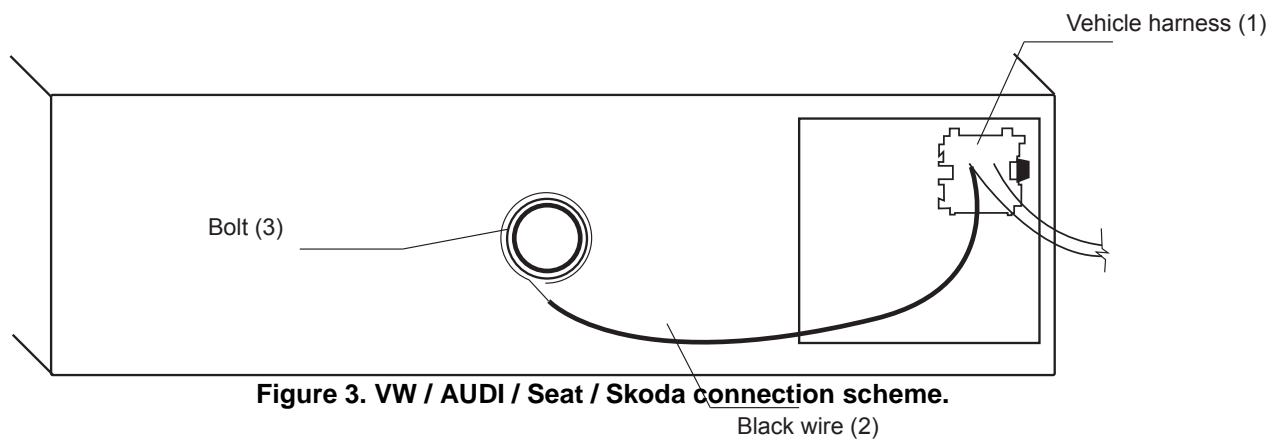
In many cases, there are no any special tools required in order to remove the stereo out. For some stereos, it is better to use car stereo removal tools. Please consult your local car audio shop or your vehicle's dealership for instructions or assistance if necessary.

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 the 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 interface.
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.



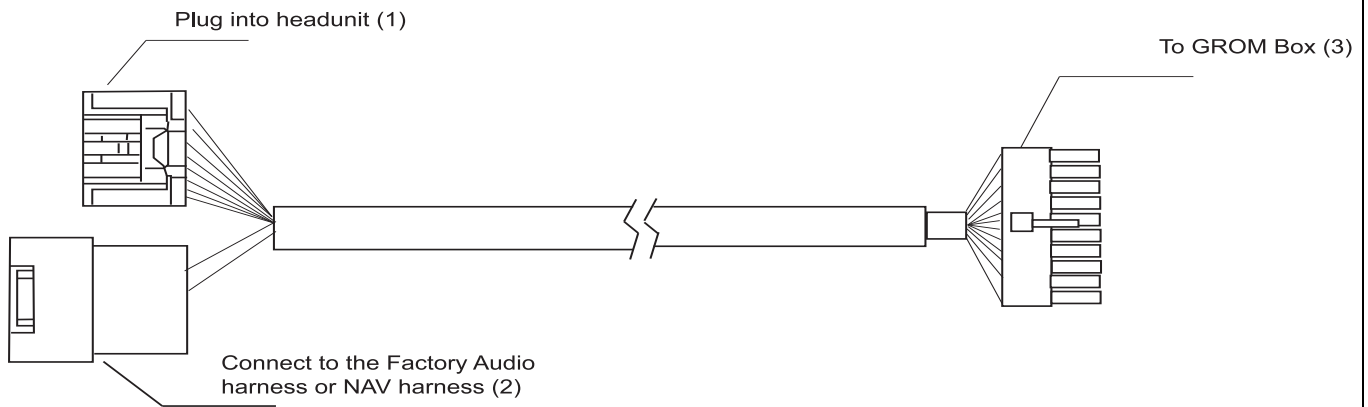
**Figure 3. VW / AUDI / Seat / Skoda connection scheme.**

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 GROM 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 refer to the instructions at: <http://gromaudio.com/pie-audi-how-to.html> or obtain GROM part number **AUDS**.
7. **For BMW vehicles only:** Please refer to the installation insert for the special guidelines for BMW installation.
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 GROM 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.
10. Once the interface is connected to the radio, you will need to test the operation of the interface before re-assembling the dash.
11. 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 display.
12. Connect the RCA cable to the MP3 player or the iPod. Turn on the MP3 player or the iPod and play some tunes. You should now hear the sound coming from the car stereo speakers.
13. 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**.
14. Find a place where you can place the GROM AUX adapter. In many cars, there is enough room in the dash to place GROM.  
 Note: Make sure you mount the GROM AUX adapter in the place with enough room so that, when you re-mount the car stereo, you do not break the adapter.
15. You may use the glove box or other spaces inside the dash to direct Audio cables out.
16. Re-mount your car stereo, making sure its clips or strews are secure.

#### **Adapter mounting in the trunk (for VW and BMW only)**

1. Locate the trunk mounting cable in your car (usually located along the left side of the car in the back).
2. Disconnect the existing CD changer, if present.
3. Attach the matching cables.
4. **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.**

**Congratulations!** You have installed the GROM AUX adapter. You may now use it with your MP3 player or iPod / iPhone.

## ***2.5 When the car ignition is OFF***

GROM-AUX adapter does not control the MP3 player or the iPod. When you turn your car ignition or car stereo off, the MP3 player or the iPod will remain playing. You will need to turn the iPod or the MP3 player off manually if you do not want it to continue playing.

## ***2.6 How up upgrade to full iPod/iPhone integration***

You can upgrade your GROM-AUX package to the iPod/iPhone integration with the full control and charging by ordering GROM iPod V2 cable from GROM Audio (IPD2).

## ***2.7 If your MP3/XM/DVD player has different size plug***

You can easily convert 3.5mm phone jack to the 2.5mm or RCA connectors with the small plug converters available at GROM Audio store.

## **Chapter 3. Support**

For questions or technical support please visit <http://gromaudio.com/support.html> Your question will be answered within next 1 business day.

### ***Troubleshooting***

<b>Symptom</b>	<b>Cause</b>	<b>Remedy</b>
No power	Bad connection	Check the cable connections.
Radio is not recognizing GROM AUX adapter	Some Honda, Toyota, Lexus car stereo 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 GROM AUX adapter	External CD changer is present	Make sure to disconnect the external CD changer
Radio is not recognizing GROM	Bad cables or cables are not connected properly between the	Check connection and cables, push in firmly.

AUX adapter	interface box and car radio.	
You can't hear the music from MP3 player	No CD changer is selected	Make sure CD changer, SAT mode or AUX is selected ( correct key depends on your stereo)
<b>For VAG only:</b> Radio is not recognizing GROM AUX 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 Make sure it is properly grounded
<b>For BMW only:</b> Radio is not recognizing GROM AUX adapter	<b>iBus wire have come loose</b> 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 tight 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
Audio is not coming from the speakers	The audio cable is not inserted properly.	Make sure that the audio cable inserted properly.