



GROM-CBT

Bluetooth Wireless Music Streaming

User Manual

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

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Installation Instructions

Chapter 1 – Getting Started

1.1 Subject

The GROM-CBT adapter is the Bluetooth streaming Integration for factory stereo of many car makes. Equipped with the specific vehicle harness and built-in Bluetooth, the module allows for wireless audio streaming (A2DP) with integrated Bluetooth controls (AVRCP). The system integrates with existing factory car stereo, connects at the back of the stereo (or in the trunk) to the extension port. Allows easily upgrade original stereo with Bluetooth functionality.

Two extension ports (EXT1 and EXT2) allow for additional AUX-IN connectivity via GROM 3.5mm jack audio cable, and iPod®/iPhone® integration to the car stereo system easily.

1.2 Introduction

Thank you for purchasing the GROM-CBT adapter, which has been designed to provide endless hours of listening pleasure through most vehicles factory radios. To insure that your GROM-CBT interface performs correctly in your car or truck, we recommend that you read this entire manual before attempting the installation. GROM-CBT system is compatible with wide arrays of the phones, including Android®, iPhone®, Windows® Mobile and other Bluetooth capable phones.

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.

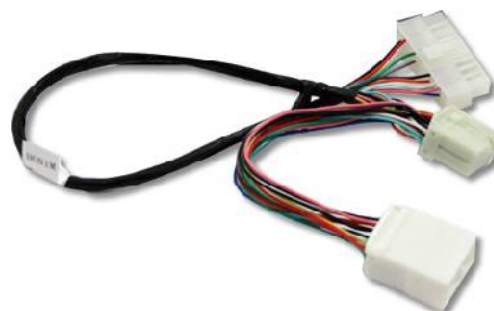
1.5 Completeness and connection of set

a) GROM-CBT adapter set consists of GROM main module (CBT) and vehicle specific harness.

Additional accessories such as GROM compatible iPod and iPhone cable, and GROM Auxiliary 3.5mm audio jack cable, can be purchased separately.



GROM-CBT Main Module



Vehicle specific harness

Figure 1. Package content.

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

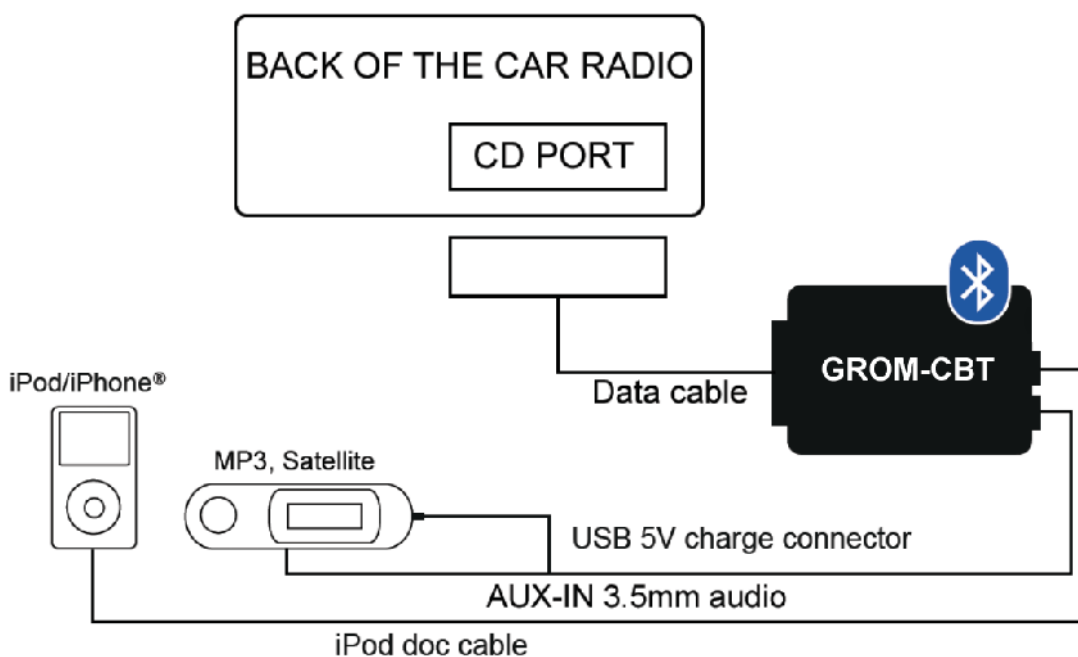


Figure 2. Basic wiring diagram

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 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.

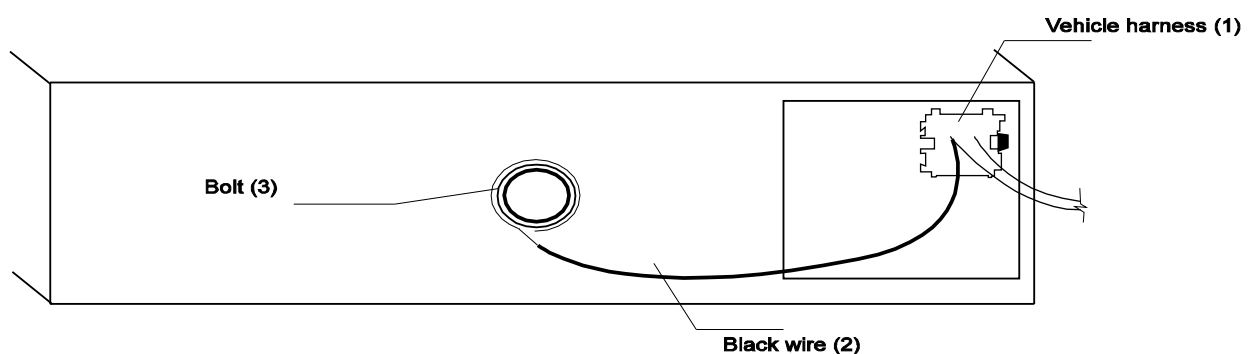


Figure 3. VW / AUDI / Seat / Skoda connection scheme.

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/docs/grom-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/Honda (HON1) vehicles only:**
In some Toyota / Lexus / Scion and Honda/Acura vehicles the CD changer port is occupied with a factory harness (such as NAV or audio harness). The GROM package for Toyota or Honda (HON1) includes a Y shaped vehicle cable. In order to connect interface properly please follow to the scheme below.

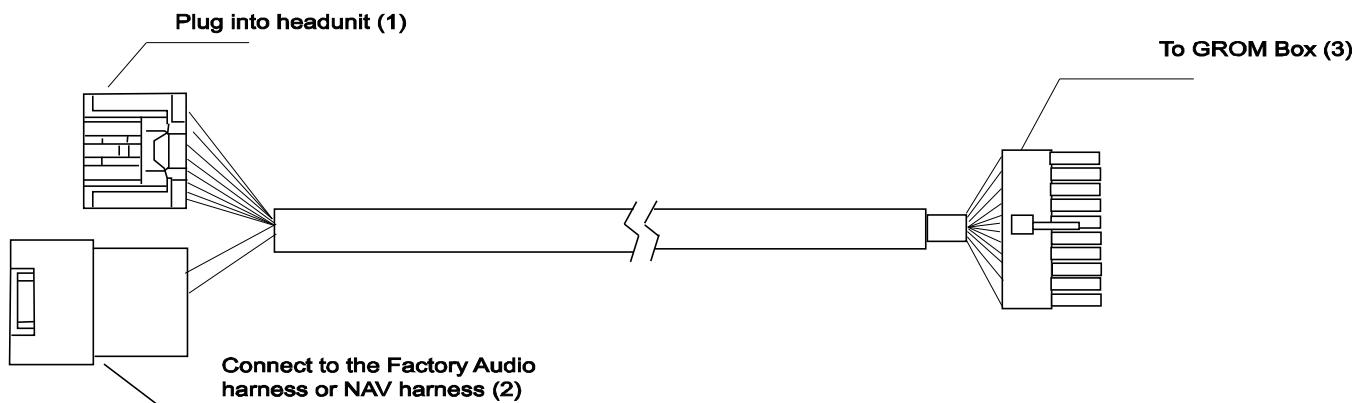


Figure 4. Connection scheme for Toyota/Lexus/Scion or Honda/Acura 2003 and up (HON1)

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

9. Once the interface is connected to the radio, you will need to test the operation of the interface before re-assembling the dash.
- Open the Bluetooth settings on your phone, and turn on the Bluetooth. Please make sure that Bluetooth function on your phone is active or turned on and that the phone is set to be discoverable before turning on the stereo or the key. Refer to your phone's user manual to learn how to turn on and initiate the pairing feature.
 - 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 (different for SAT/XM firmware, refer to included manual).
 - GROM Bluetooth will become discoverable by your phone for 3 minutes. You must pair your phone within that interval.

- d. NOTE¹: Your phone will 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.
- e. Once the phone and GROM Bluetooth are paired, open any music player on your phone and try to play the music. The music should stream wireless through car stereo speakers. Make sure that the Bluetooth volume on your phone and the car stereo volume are on. The Bluetooth volume on your phone should be all the way up.
10. The pairing needs to be performed only once. After pairing is completed your phone will automatically connect to GROM Bluetooth upon ignition start (whether radio on or off).
11. 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**.
12. Find a place where you can place the GROM-CBT adapter. In many cars, there is enough room in the dash to place GROM.
- Note: Make sure you mount the GROM-CBT adapter in the place with enough room so that, when you re-mount the car stereo, you do not break the adapter.
13. You may use the glove box or other spaces inside the dash to direct Audio cables out.
14. Re-mount your car stereo, making sure its clips or screws are secure.

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

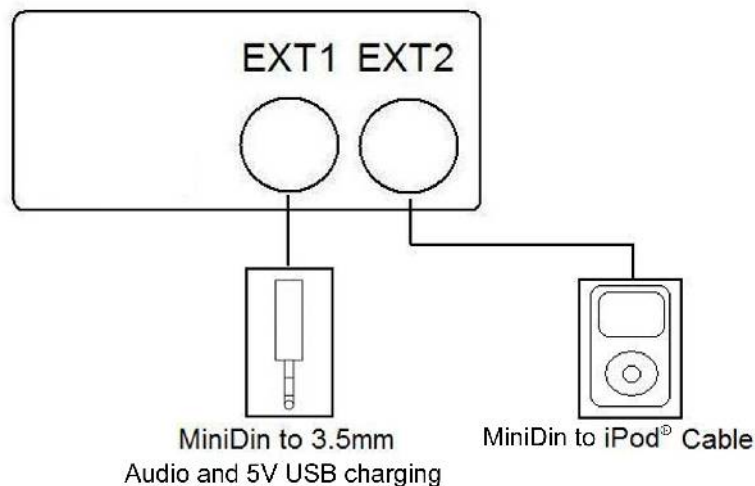
1. Locate the trunk mounting cable in your car (usually located along the left side of the car in the back).
2. Disconnect the existing CD changer, if present.
3. Attach the matching cables.
4. **For BMW trunk installation:**

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**.

2.7 EXT1 and EXT2 PORTS

Connect AUX cable to EXT1 port, and cable with the iPod connector to EXT2 port. Please make sure to use correct port for correct cable.



2.8 Installation Troubleshooting

Symptom	Cause	Remedy
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 adapter	External CD changer is present	Make sure to disconnect the external CD changer
Radio is not recognizing GROM 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 your phone	No CD changer is selected	Make sure CD changer, SAT mode or AUX is selected (correct key depends on your stereo)
You can't hear the music from your phone	Low phone Bluetooth volume	Make sure to turn your phone Bluetooth volume all the way up
You do not see the GROM-CAR in available Bluetooth connections	GROM Bluetooth needs to be reset, and phone restarted	Refer to the GROM Bluetooth reset procedure in the section 3.4 of this manual
For VAG only: Radio is not recognizing GROM adapter	Single black wire on the vehicle specific harness is not attached to the stereo chassis (stereo body)	Attach the black cable to the car stereo body Make sure it is properly grounded
For BMW dashboard install	iBus wire have come loose Sometimes when using Posi-Tap	Make sure the IBus wire is securely attached by using multimeter or

only: Radio is not recognizing GROM adapter	clips, the IBus wire may not receive proper connection due to its wire size	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. Refer to the BMW manual included with your kit.
Audio is not coming from the speakers	The audio cable is not inserted properly.	Make sure that the audio cable inserted properly.

Chapter 3 – BLUETOOTH Operation Instructions

NOTE²: Certain vehicle electrical systems may activate GROM unit and BTB upon vehicle unlock.

NOTE³: GROM Bluetooth is on as long as vehicle is on.

3.1 Operating with more than one playing source connected.

If you use GROM-CBT with an aux audio player via GROM auxiliary cable, the GROM Bluetooth will stop and mute the audio player connected via AUX cable. If you use GROM-CBT and an iPod, iPad or iPhone with GROM compatible iPod cable, the GROM-BT3 will pause and mute the “i” device.

3.2 Streaming your music wireless and using A2DP Audio Controls

With the GROM Bluetooth you are able to stream the music from your mobile phone directly to the car stereo system wireless and control it with the car stereo/steering wheel controls (where available).

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. GROM-CBT will resume playback of the previously selected source. Note that you are using the AUX source, you will need to turn the AUX device on manually.
3. Control A2DP music track selection by using track up and track down on car stereo or steering wheel buttons. *Some apps may not have track control
4. Changing car radio mode to one different than GROM-CBT (AM,FM, SAT, etc..) will pause A2DP playback.

3.3 Disabling the hands free phone calls connection

When you connect the GROM Bluetooth and your phone, the phone will connect for both “Phone Audio” and “Media Audio”. The “Phone Audio” is not supported by GROM-CBT unit, so you should disconnect your phone for GROM-CAR “Phone Audio” function.

a. On Android Phone:

Go to the Bluetooth Settings --> Paired Devices --> GROM-CAR Click on GROM-CAR settings button, and uncheck "Use for Phone Audio" in available options.

If your car has factory Bluetooth Connection, you can connect "Phone Audio" to that connection. The phone can be connected to GROM for "Media Audio", and to car factory Bluetooth connection for "Phone Audio" at the same time.

b. On the iPhone:

There are no settings available on the iPhone, where you can choose the "Phone Audio" and "Media Audio" connection for different Bluetooth devices. Two options are possible:

1. If your factory stereo has hands free phone calls Bluetooth connection. Connect your phone to your factory stereo first. It will automatically connect to your factory car stereo Bluetooth for hands free phone calls only, and leave the "Media Audio" disconnected.

Connect to GROM Bluetooth only after you connected to car stereo factory Bluetooth. The iPhone will automatically connect to GROM for "Media Audio" only.

2. If your factory stereo does not have hands free phone calls Bluetooth connection. Your iPhone will connect to GROM-CBT for both "Phone Audio" and "Media Audio". It is not possible to disable the "Phone Audio" connection on the iPhone. You will only be able to switch to the hand set manually upon the phone call. We do not recommend using the GROM-CBT in that scenario. We recommend using GROM-BT3 that supports both hands free phone calls ("Phone Audio") and wireless music streaming ("Media Audio"). Please check our website or contact our support at <http://gromaudio.com/support.html>

3.4 Troubleshooting and support

Symptom	Cause	Remedy
I cannot pair my phone with GROM Bluetooth.	You are not pairing within the 3 minute pairing timeframe.	Once you turn on the vehicle the GROM-BTD becomes discoverable for 3 minutes. You must pair your phone within that 3 minute interval.
I cannot pair my phone with GROM Bluetooth.	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 GROM Bluetooth.	The GROM unit needs to be reset. This will clear the pairing memory of the Bluetooth dongle.	Please reset BTD unit: 1. Switch off GROM mode (FM for example). 2. Wait 3-4 seconds 3. Switch to GROM mode and after 1 second press SCAN or REPEAT button on the stereo 4. You will hear low beep confirming the reset
Cannot play the music	The Bluetooth is not connected for the audio	Check your Bluetooth settings and make sure that your Bluetooth is paired and connected for the audio.
The A2DP sound is very low	The Bluetooth volume on your phone is down.	Make sure that you turn the Bluetooth volume on your phone up.
I am paired but Bluetooth does not connect automatically	The Bluetooth was turned off for a while.	On some phones if the Bluetooth was off for a while you need to click "Connect" in order to connect to GROM Bluetooth.
Cannot connect to Bluetooth.	You have paired too many phones to the Bluetooth dongle, pairing memory will need to be reset / cleared.	Please reset BTD unit: 1. Switch off GROM mode (FM for example). 2. Wait 3-4 seconds 3. Switch to GROM mode and after 1 second press SCAN or REPEAT button on the stereo

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| | | 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. |
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For questions or technical support please contact us via web form <http://gromaudio.com/support.html>

3.5 Frequently asked questions

Q. Can I pair more then one phone to my Bluetooth?

A. Yes you can connect more then one phone. Please check the youtube video that shows how to do it at http://www.youtube.com/watch?v=ZZs_dQuoKx8

You can also view our FAQ for some tips:

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

And please check out the video demonstrations on GROM Youtube channel at <http://youtube.com/gromaudio>

Chapter 4 – Using GROM-CBT with the optional accessories

4.1 How to add full iPod/iPhone integration to GROM-CBT module

You can upgrade your GROM-BT3 package to the iPod/iPhone integration with the full control and charging by ordering GROM Compatible iPod or iPhone connection cable (ISIPD). Please refer to the iPod/iPhone operation manual for specific operation instructions of your module.

4.2 How to add auxiliary connection to GROM-CBT module

You can add GROM Auxiliary cable to your GROM-CBT package and receive an additional 3.5mm audio connection for any MP3 player, phone, XM radio, and the other audio sources.

4.3 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 5. Support

For technical support please visit us at <http://gromaudio.com> and fill out the form. Someone will get back to you shortly.

Please check our FAQ at <http://gromaudio.com/support/faq.html>, videos and installs at <http://www.gromaudio.com/installs/index.html>

Chapter 5 – Warranty

5.1 ONE (1) YEAR LIMITED WARRANTY

This warranty covers any supplied or manufactured parts of the product that, upon inspection by GROM Audio authorized personnel, is found to have failed in normal use due to defects in the material or workmanship. This warranty does not apply to the installation expenses. Attempting to service or modify this unit, operating this unit under conditions other than the recommended will render this warranty void.

Unless otherwise prescribed by law, GROM Audio shall not be liable for any personal injury, property damage and 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 product are guaranteed for a period of 1 year as follows:

Within the first 12 months from the date of purchase, subject to the conditions above, GROM Audio will repair or replace the product at their discretion, if it is defective in the material or workmanship.

All customers should contact GROM Audio support team at <http://gromaudio.com/support.html> and obtain an **RMA** number and **Return Instructions**. All defective adapters returned to GROM Audio within warranty period must be accompanied by the **original invoice (or copy)**. All shipping handling charges are non-refundable. Warranty does not cover normal tear and wear, damages due to negligence, improper installation, and operation.

WITHOUT RMA NUMBER THE RETURNS ARE NOT ACCEPTED!

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Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This Warranty Disclaimer and Limitation of Liability shall not be applicable to the extent that any federal, state, or local law, which cannot be preempted, prohibits any provision of this Warranty.

Any use of the PRODUCTS where it is illegal to do so, may be used against you as evidence of negligence in the event of an auto accident or other traffic infraction.

5.5 OTHER PROVISIONS

A. INDEMNIFICATION OF GROM AUDIO, ITS AGENTS AND EMPLOYEES. By Purchasing, Installing and Using the Products, You, the End- User, agree to indemnify, defend and hold harmless, GROM AUDIO, and it s Affiliates, Directors, Officers, Agents and Employees from any Liabilities, Damage, Loss, Claim and Expense (including reasonable Attorney's Fees) arising out of the installation and use of the Products.

B. GOVERNING LAW. THIS AGREEMENT and all Purchases hereunder shall be governed by, and construed under the laws of the State of California, without regard to conflicts of law rules.

You agree that the Courts of California shall have exclusive jurisdiction over the Parties, for all disputes.

C. FORCE MAJEURE. GROM shall not be liable for any delay or failure in performance caused by or resulting from acts of God, fire, flood, storms, earthquakes, tornado, other acts of nature, any accidents, riots, wars, government intervention, embargoes, strikes, labor difficulties, equipment failures, or any other causes beyond the control of GROM AUDIO. Quantities are subject to availability.

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5.6 GROM Audio Compatibility Disclaimer

GROM Audio strives to provide you with a high-quality product while maintaining competitive pricing. We continuously work to test and develop our product, however, in some cases; our interfaces may not be compatible with your application. Due to the wide range of electronics / anomalies found in car stereos, compatibility and/or controls may vary. Should you experience incompatibility issues, you may contact us via our support page. Grom Audio also carries a standard 30 day return policy.

5.7 Engine/System Noise Disclaimer

Engine / system noise may occur in some installations and is not easily predictable. Should noise occur with your system, we will take commercially-reasonable steps to diagnose the source of the noise. Depending on the situation, noise suppressors and filters may need to be installed in order to correct the problem. Due to the nature of electronics, noise may not be correctable in all cases.

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