

GROM-AND2

ANDROID USB AUX

GROM



User Manual

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

GROM
AUDIO

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GROM-AND2 MP3 Android car stereo adapter kit

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Chapter 1 - Introduction

1.1 Subject

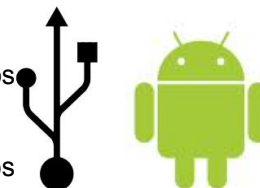
Thank you for purchasing the GROM-AND2 adapter. It has been designed to provide endless hours of listening pleasure through your vehicles factory stereo. To ensure that your GROM-AND2 interface performs correctly in your vehicle, we recommend that you read this entire manual before attempting to install the GROM interface.

1.2 Functionality Highlights

- Easily access your media collection in your car, including shuffling songs, skipping between tracks, and adjusting the volume—all with only your factory car stereo head unit or multifunction steering wheel controls.
- Direct connection of your Android device (using AALinQ app) to the USB port so you can listen to and control the songs on your Android from your stereo controls.
- Listen to your favorite music directly from virtually any USB mass storage device, flash stick or portable hard drive, requiring no dedicated media player.
- **AUX-IN** 3.5mm audio connection for any MP3 player, Navigation, XM and etc...

1.3 Main Features

- Ability to listen to songs on USB flash drive or Android phone (using AALinQ app).
- Folders on the USB drives are mapped to an individual “Disc” button on car stereo’s dashboard (different for SAT emulation – please refer to your installation manual). Playlists on Android are mapped to disc.
- Number of “discs” limited to the car stereo (up to 99 on select stereos)
- Last listened song position within the playlist or folder is remembered on most stereos
- Last listened song time position is restored upon ignition cycle for most stereos
- Ability to control the songs using car stereo or steering wheel buttons on most stereos
- Android phone charging while in car via 5V USB



1.4 AUX-IN Features

- Ability to connect any audio source such as MP3/DVD player, XM and more via 3.5mm phone jack cable (included with your package).

1.5 Precautions

Proper mounting location.

Securely install the interface in a location free from heat, humidity, moving parts, or direct sunlight. Beware of hot-air flow from your vehicle’s climate control system. The interface should be secured in a suitable location, free of sharp metal edges, using double-sided tape, Velcro, or wire ties. The adapter’s operating temperature range is -30°C to +70°C (-24°F to +158°F)

1.6 Disclaimer

- Grom AND2 unit does NOT support Bluetooth or iPod/iPhone direct connection (iPod/iPhone can play through 3.5mm)
- This product is not affiliated with any of the OEM manufacturers •
Modifying the stereo may void any existing warranty
- The purchase of this product carries no warranties, either expressed or implied

- Although every care has been taken to provide you with a quality product, Grom Audio cannot guarantee compatibility with all stereos and phones due to the vast number of varying setups.
- Keep your eyes on the road while driving!
- We are not liable for the misuse of this product, including improper installation, damage to the board or stereo during installation, and the illegal use of the stereo
- For further disclaimer please see the last page of this manual.

1.7 Completeness and connection of set

- a) The GROM audio for Android adapter set consists of the GROM-AND2 main interface (appearance may vary), one USB to Micro USB cable, one vehicle harness (specific for your car) and one 3.5mm audio cable.



Figure1. One GROM-AND2 module with one USB to Micro USB cable



Figure2. One vehicle specific harness



Figure 3. One 3.5mm audio cable and 5V USB charging

- b) The basic wiring diagram of the GROM Audio adapter is detailed in Figure 3 (some installs may differ):

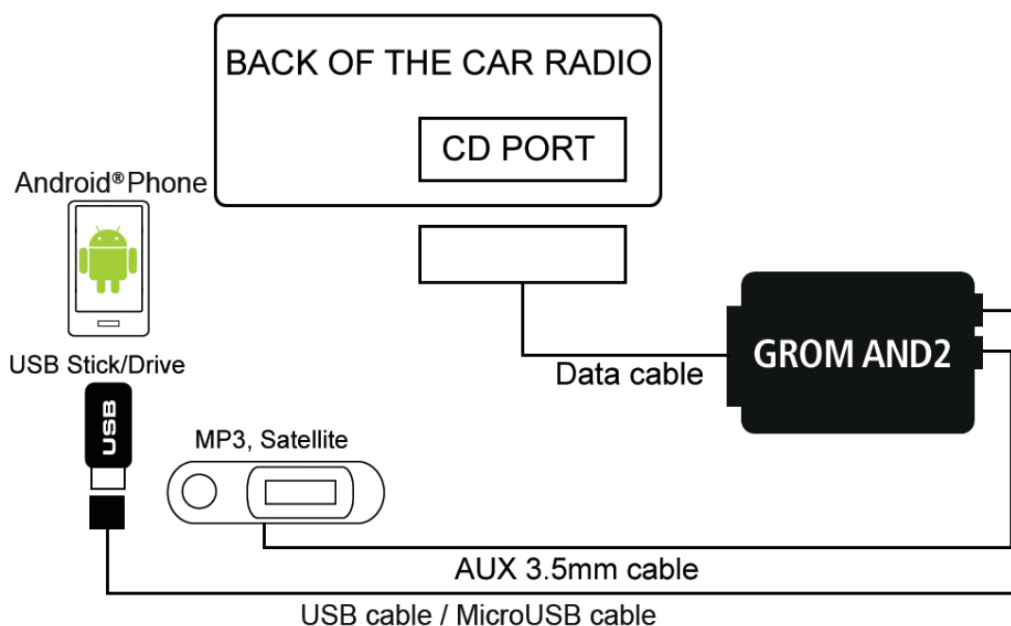


Figure4. Basic wiring diagram

1.8 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 GROM interface. You will lose the use of the external CD changer to gain the use of your USB device, Android Smartphone or MP3 player. The built-in CD changer will remain operational. SAT tuner or Rear Seat Entertainment system if present may need to be disconnected in some cases.
- If your vehicle has factory SAT and GROM adapter is using SAT emulation, you must disconnect factory SAT to gain the use of your USB device, Android Smartphone or MP3 player. This is applicable to Nissan/Infinity with SAT emulation, Honda/Acura 03 and up with SAT emulation, Ford/Lincoln/Mercury, Mazda 3, 5 08-09 and Subaru 07-09. For a full version of the GROM compatibility 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 removing the factory stereo 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 most cases, there are no special tools required in order to remove the stereo. For some stereos (e.g., VW, Audi), 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 as necessary.

If you are unsure how to install the interface properly, we recommend contacting your local car stereo shop for assistance. Some installation examples can be found at www.gromaudio.com.

2.3 Preparation and adapter installation

1. Turn off car engine and remove key from ignition
2. If your stereo uses a **Security Code**, make sure that you have the code before unplugging the stereo.
3. Remove your stereo from the dash in order to gain access to the back of the stereo.

Some vehicles require special tools to remove the stereo.

Please consult your vehicle's dealership or a local car audio professional, if necessary.

4. Attach the car harness connector to the extension port in the back of the stereo (most setups).

Be sure to make a secure connection with no bent pins, but do not force it. Connect the other end to the interface. **For VW/Audi/Seat/Skoda with dashboard cable only:** There is a black single cable (ground) on the vehicle-specific harness (Figure 5) that you will need to attach to the back bolt of the car stereo or the stereo chassis

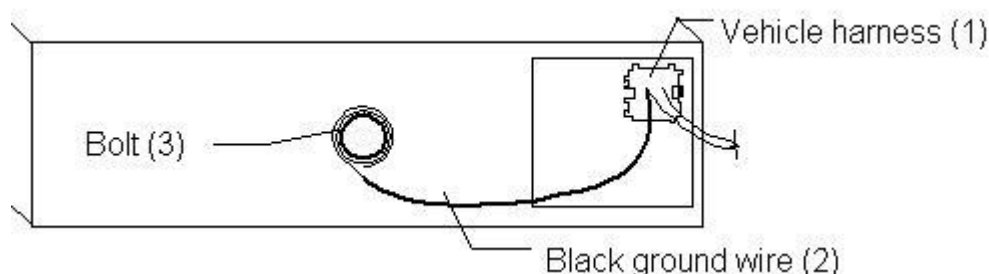


Figure6. VW /Audi / Seat/ Skoda Connection Scheme

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 it is present

- (b) Make sure that solid contact is made between the stripped black wire and the metal part of the car stereo body.

Note: Failure to attach the black cable to the chassis of the stereo or ground will result in the GROM adapter not working! All of the specified vehicles require this black ground cable to be attached.

5. **For Audi vehicles only:** Some Audi head units require an additional part (AUDS cable) or harness modification to gain the access to the CD changer port. A solid 20-pin connector occupies the 8-pin CD changer port on such stereos. Please refer to the instructions at <http://gromaudio.com/docs/grom-audi-how-to.html> for more information (AUDS cable is highly recommended in this case).

6. **For BMW dashboard, Ford/Lincoln/Mercury, Nissan/Infiniti, Volvo, Mazda 3, 5, CX-7 08-12 vehicles only:** Please refer to the installation insert for the special guidelines for installation using P-Tap locks.

7. **For Toyota/Lexus and Honda (03 and up) vehicles:** On some Toyota/Lexus/Scion vehicles and Honda/Acura (03 and up) vehicles, the CD changer port is occupied by a factory harness (such as NAV or audio harness). The GROM package for Toyota and for Honda/Acura (HON1) includes a Y-shaped vehicle cable. In order to connect the interface properly, please refer to **Figure 7**. If stereo port is already empty, simply plug Grom cable into stereo. You do not need anything connected to the female Grom harness. It is optional.

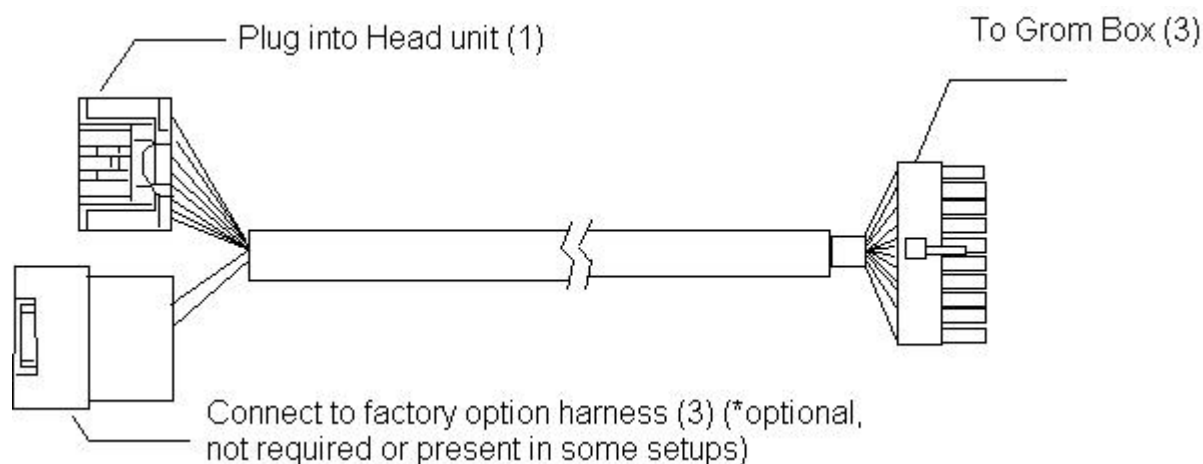


Figure7. Connection scheme for Toyota/Lexus/Scion and Honda/Acura (03 and up)

8. If you are using USB Flash Drive – set up the folders and playlists according to the **section 3.3.4**.
9. If you are using Android Smart phone:
 - a) Download and install **AALinQ App** from Google Play Store.
 - b) Setup the playlists and folders according to the **section 3.2.1**.
10. Connect the USB Flash Drive or Android Smartphone via USB port to GROM-AND2 module.
11. Turn your car stereo on and switch it over to CD Changer mode using the Disc/Mode/CD/AUX buttons on your car stereo (depending on the stereo type). You may have to press **CD/Disc twice** to access CD Changer mode. Your display should now show Disc 1, Track 01 or similar.
12. Play some music from your USB device or Android Smartphone (**folders or playlists need to be setup**). You should hear the sound coming from the car stereo speakers.
13. Once you confirmed the operation of the interface, continue with the installation. If you have trouble with the installation, please see our **troubleshooting section**.
14. Find a place for the GROM-AND2 adapter. In many cars, the dash offers sufficient room for installation.
Note: Make sure you mount the GROM-AND2 adapter in a place with sufficient room so that, when you remount the car stereo, you do not break the adapter.
We strongly recommend you mount unit in easy access location.
15. You may use the glove box or other spaces on the dash to direct the USB cables away from the unit.
16. Remount your car stereo, making sure it fits securely.
Congratulations! You have installed the GROM-AND2 adapter and may use it immediately with your Android Smartphone, USB device, MP3 player, or iPod.

2.4 Installation Troubleshooting

Symptom	Cause	Remedy
Stereo is not recognizing the GROM-AND2 adapter	Some Honda, Toyota, and Lexus car stereos have to be restarted before the stereo catches the signal	After connecting the adapter, turn the stereo on; turn the ignition off and then back on
Stereo is not recognizing the GROM-AND2 adapter	External CD changer is present	Make sure to disconnect the external CD changer

Symptom	Cause	Remedy
Stereo is not recognizing the GROM-AND2 adapter	Bad cables or cables are not connected properly between the interface box and car stereo.	Check connection and cables making sure they are secure with no bent pins.
No music is audible from the USB, Android Smartphone or MP3 player	CD changer is not selected	Make sure CD changer, SAT mode, or AUX is selected (correct key depends on your stereo)
No music is audible from Android Smartphone	USB to MiniUSB cable is defective	Replace USB cable if needed.
For VAG only: Stereo is not recognizing the GROM-AND2 adapter	Single black wire on the vehicle-specific harness is not grounded properly.	Make sure black cable is properly grounded
For BMW only: Stereo is not recognizing the GROM-AND2 adapter	iBus wire may have become 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 a multimeter, check Posi-Tap connector for proper wire connection
Audio is coming only from one speaker	The 10-pin sound connector is not correctly aligned.	Make sure that the 10-pin sound connector on the vehicle cable is correctly aligned.

Chapter 3 – Usage manual

3.1 Different MODES of GROM-AND2 (for CD changer emulation only!)

GROM-AND2 can work in two modes: **USB** or **AUX**.

USB mode: Go to CD changer mode on the stereo. Connect USB stick to the USB port of the AND2 module. Music will play automatically.

AUX mode: To listen to music on aux cable, remove USB stick. When USB stick is removed, you are in aux mode.

Note: If your car is Nissan/Infiniti (with SAT/CAT), Ford/Lincoln/Mercury, Mazda 3,5 08-12, Subaru 08-09, Mazda 02-08 or Honda/Acura with **SAT emulation** – please use the special instructions that came with your package for the **usage/operation instructions**.

3.2 USB MODE - Android Operation

3.2.1 Android Setup and Operation



Scan QR code with your phone to download **AALinQ** app from Google Play store.

AALinQ is the free app that allows you to integrate your Android phone to car stereo. Play and control, charge while in use. Digital music transmission via standard MicroUSB cable. If you want Android Jelly Bean Style skin for AALinQ app, download it from Google play by searching **AALinQ Jelly Bean Skin**.

The GROM-AND2 adapter when in USB mode can allow you to connect your Android device directly to the GROM USB port. Once you have AALinQ installed on your Android device, you can connect your Android to the USB port

using your own or provided USB Android connector cable. If the version of your Android software is 2.3 and older you will need to have USB Debugging enabled to allow AALinQ to communicate between your Android and the GROM-USB2P. The USB port will also charge most Android devices (not all supported). If the version of your Android software is newer than 3.0, you will need to disable USB Debugging function on your phone.

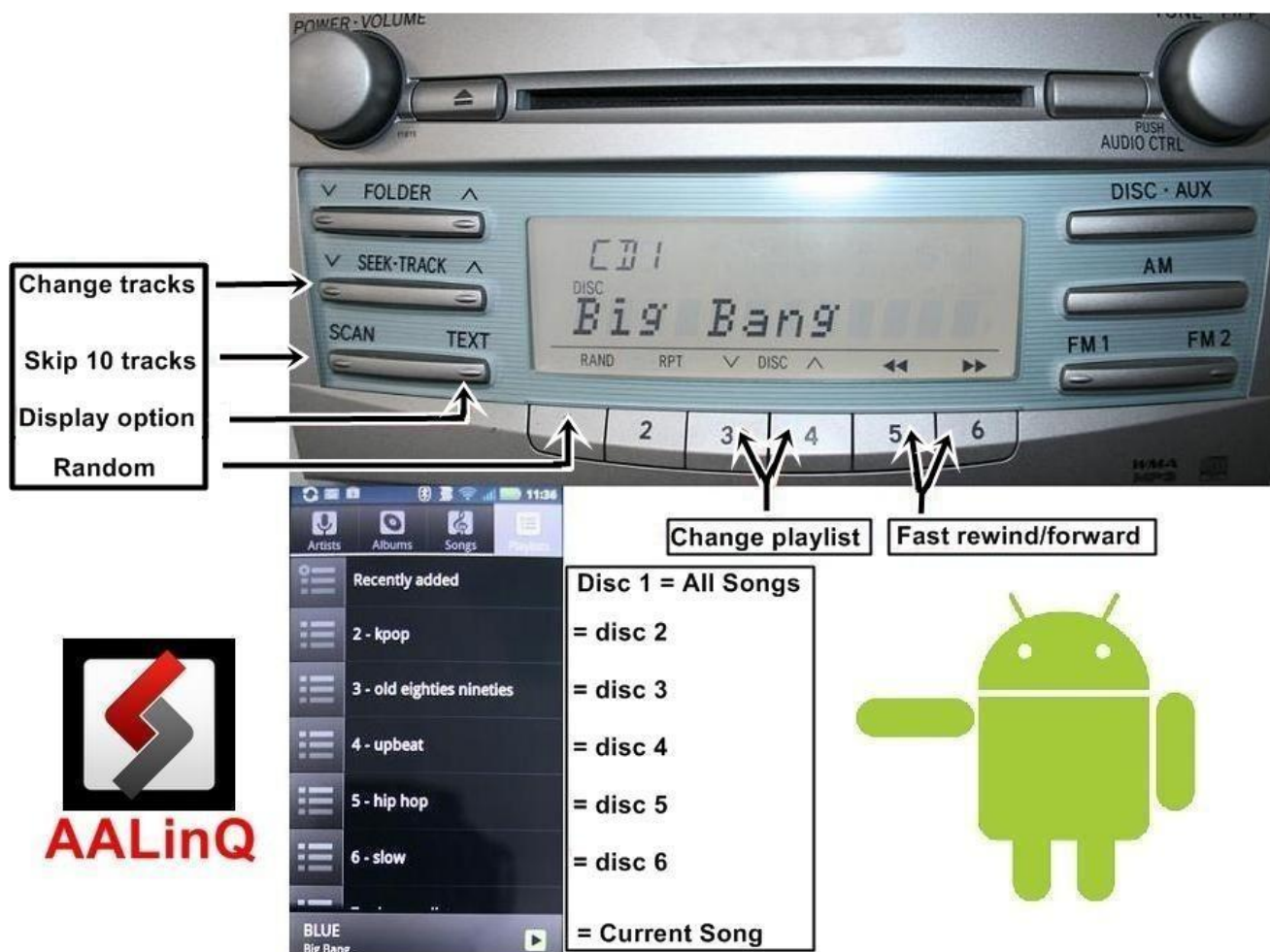


Figure8. Android operation*

***Note:** The **Figure 8** picture is for reference only; different stereos may have different operational buttons. Please check your manual or contact tech support at <http://gromaudio.com/support.html>

- To enable/disable USB Debugging, on Android device go to Settings → Applications → Development
- Once you connect your Android device to GROM-AND2 and the Grom unit is in USB playback mode, AALinQ should automatically start playing a song from your Android device.
- Android and USB stick functionality is essentially identical. Playlists on AALinQ will be mapped to discs on the stereo. Skip tracks, change disc, fast forward, random, scan controls are identical to USB controls. Text of current song is displayed for stereos that support text for Grom mode.
- **Disc 1 will play all songs on the AALinQ app. Disc 2 or higher are your playlists.**
- If filenames in a certain playlist begin with digits, they will be played in ascending order based on the order of those digits in the filenames. For example:
 \2-kpop\
 02. Alive.mp3
 01. Blue.mp3 (will play first according to the number)

- If filenames begin with letters, they are played in ascending order of the file creation date/time.
- If playlist starts with a number, the playlist will be assigned to a respective virtual disc.

Android USB Direct Streaming:

If you wish to play other Android apps through the USB cable, you will need to load a config file and DISABLE the Grom AALinQ feature. Other Android apps will NOT have controls. You will only have sound.

USB Audio Streaming is available for most Android devices with Jelly Bean Android software. In the case of USB Audio Streaming you will not need AALinQ media player, you will be able to use the media player of your choice, or stream the music through any Android music apps, such as Pandora, TuneIn, Spotify and so on.

To enable USB direct streaming please go here for instructions:

<http://www.indashpc.org/vbulletin/viewtopic.php?p=5929>

3.2.2 Android Operation Troubleshooting

Symptom	Cause	Remedy
No music is coming from the car speakers or sound is distorted	The USB is loose or extension cable is bad.	See if music plays directly from USB port (with USB stick) connected to the box with no extensions.
You can't hear the music in AALinQ	An empty album or playlist is selected on the AALinQ	Make sure that you select a playlist that has songs and it is not empty.
The music is distorted	You have more than one device (USB or AUX) connected at the same time	Please make sure that you connected only one device to GROM interface. Disconnect all other devices if present.
Music is not playing	Change USB debugging setting	To enable/disable USB Debugging, on Android device go to Settings → Applications → Development
AALinQ is "acting up"	The Micro USB cable is loose, or the USB extension is bad	Try different MicroUSB cable, try to wiggle MicroUSB cable, or hold it tightly connected to the phone and GROM box
AALinQ will not play through GROM	USB computer connection MTP settings is not set ON	To check on Android Settings -> Storage -> USB Computer Connection -> MTP (Media Device)

3.3 USB MODE – USB stick operation

3.3.1 Supported USB Storage Devices

All FAT16/32 formatted storages:

- USB sticks/hard drives
- Android phone with AALinQ app (most supported)

The GROM AND2 supports only FAT16/32 formatted storages. NTFS is not supported!



3.3.2 Supported formats

The GROM-AND2 supports the following formats:

- MP3 with bitrates up to 320Kbps
- WMA with bitrates up to 389Kbps

- AAC / iTunes with bitrates up to 389Kbps
- OGG/Vorbis with bitrates up to 389Kbps
- VBR/CBR

Note 1: No digital rights management (DRM)-protected content purchased through major Online stores will play directly through the USB-MP3 adapter as such content is encrypted and signed by the media publisher. This includes but is not limited to iTunes, Rhapsody, Zune Marketplace, and MSN. You need to burn such files to a CD and then rip them back with any capable software.

The music purchased from Amazon and iTunes+ is compatible with GROM-USB2 without any modifications.

Note 2: AAC files stored on USB Flash Drives may have a delay of 5-10 seconds before the music starts playing.

3.3.3 Operating with more than one musical device connected

When you have more than one device connected (for example MP3 player and USB stick) you will need to disconnect the device that currently is not playing from the GROM box.

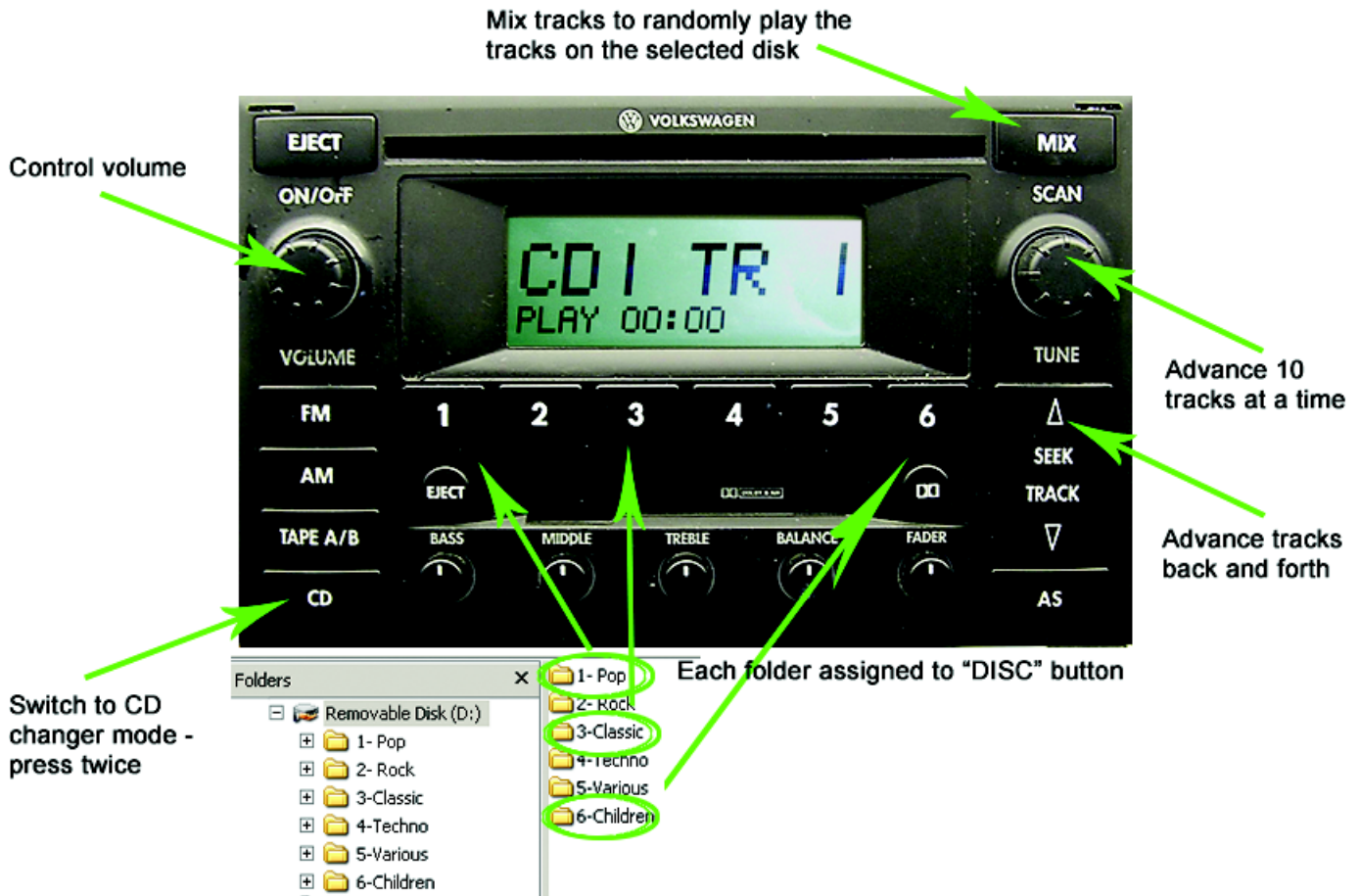
3.3.4 Directories Setup

- On your USB portable data medium, create one directory (folder) for each disc your stereo supports; name them with numbers (i.e., 1-Pop, 2-Rock, 3-Classic, etc); save all of your music into these directories.
- As soon as you connect the GROM AND2 adapter to a USB portable data medium, the GROM will translate root directories into virtual discs. Their number depends on the number of discs supported by the specific car stereo.
- We recommend that you have as many directories as possible on a root level as the car stereo will not recognize subdirectories. The GROM itself will enumerate subdirectories and turn them into a flat list of tracks.
- If filenames in a certain directory begin with digits, they will be played in ascending order based on the order of those digits in the filenames. For example:
 \1-Dance\My songs\
 02. Track.mp3
 01. Track.mp3 (will play first according to the number)
- If filenames begin with letters, they are played in ascending order of the file creation date/time.
- If root directory starts with the number, the directory will be assigned to a respective virtual disc.

All MP3, WMA, iTunes, and OGG tracks will be enumerated and found once you select the appropriate disc.

Check USB Drive Setup guide at http://gromaudio.com/docs/Grom_USB_Setup.pdf

Note: The picture below is for reference only; different stereos may have different operational buttons.
 Please check your manual or contact tech support at <http://gromaudio.com/support.html>



3.3.5 Basic Features

The GROM AND2 adapter has the following functionalities:

- Every directory in a root of the USB portable data medium becomes a virtual disc. Playlist on Android become virtual disc. Please note: directories with non-audio files (e.g., pictures, documents) located in the root will be recognized as empty virtual discs.
- All audio files within the root directory are enumerated and treated as TRACKS.
- Only six (6) discs are supported on most car stereos.
- Up to 99 discs are supported on some stereos with DISC UP and DISC DOWN buttons. Note that not all stereos will have this feature.
- The following operations are supported by the GROM AND2:
 - o Change virtual disc/playlist
 - o Change tracks forward and backward
 - o Change +/- 10 tracks in SCAN mode
 - o Display track # and track title where available
 - o Display current track playing time
 - o Random and Repeat functionalities
 - o Restore last positions for up to 4 USB sticks
 - o Restore last playlist positions in up to 20 virtual discs

3.3.6 Detailed Operation Instructions

Once the GROM AND2 is active and playing, the following operations are available:

- **Next track:** playback will switch to the next song and the car stereo track number will represent the song number from the current playlist.

- **Previous track:** playback will switch to the previous song and the car stereo track number will represent the song number from the current playlist.
- **Fast Forward:** the GROM will start fast forwarding the current track forward. The time on the car stereo will represent the actual position within the audio track.
- **Fast Reverse:** the GROM will start rewinding the current track backward. The time on the car stereo will represent the actual position within the audio track.
- **Play/Pause:** when the stereo is switched to the CD changer mode, the GROM will automatically start playing the last track played on the current USB stick from the last played position.
- **Scan:** allows the skipping of tracks by 10 when set. The next track will jump to current track +10. The previous track will jump to current track -10. This is helpful for skipping through an entire album (usually ~10 songs)
- **Disc Change:** selecting Disc 1-6 or using Disc **^**/Disc **v** will cause the GROM to change the current root directory to the appropriate one based on the disc number.
- **Mix/Random:** plays songs in a shuffle mode through the whole playlist. The track enumeration will show the currently playing track number. When switched off, the playback will continue from the currently playing track.
- **Repeat:** when turned on, it will play the first track in the playlist after the last track is played. If switched off, the playback will continue to the next playlist once the current one has played the last song.
- **Text:** on some stereos, this button will switch over to show the disc or artist of the current track playing.

3.3.7 USB Operation Troubleshooting

Symptom	Cause	Remedy
You can't hear the music from USB	An empty folder is selected on the USB	Make sure that you select a folder with songs
The music is distorted	You have more than one device (USB or AUX) connected at the same time	Please make sure that you connected only one device to GROM interface (USB or AUX). Disconnect all other devices if present.
The player is skipping the folders on USB	You have empty folders	Make sure there is no empty folder on the USB drive
The player is playing files incorrectly	You have mixed file formats in the folder	Make sure you only have 1 file format type per folder
No music is coming from the car speakers	You do not have folders setup	Make sure you have folders setup.

3.4 AUX MODE – AUX-IN Operation

In the AUX mode you can connect any audio source via GROM MiniDin to 3.5mm phone jack cable. The GROM 3.5mm cable connects to the EXT port on the GROM-AND2 adapter and provides AUX-IN for any audio device.

3.4.1 AUX-IN input

Simply connect your audio source to the 3.5mm phone jack (sold separately) and then turn the device ON. If the stereo is ON and in the GROM-AND2 AUX MODE –the device will be ready to play. You can control the connected device using its own controls. Please regulate and adjust the volume on the connected device for proper audio levels.

You can connect MP3/DVD player, Satellite and many other audio devices that have 3.5 mm plug. If your device has a different type of connector (RCA, 2.5mm, etc.) you can buy an extension adapter at your local stereo store or on GROM website.

Note: When the ignition is OFF the adapter will not automatically shut down the AUX-IN device. Please make sure to turn off the AUX-IN audio source manually. If you plan not to operate your car for one week and more, please disconnect AUX-IN audio source from the adapter. When you are using GROM-USB in a different mode other than AUX, please turn off AUX-IN audio source.

Chapter 4 – Support

For technical support, please visit <http://gromaudio.com/support.html> to view FAQ and fill in the support web form. The first available representative will answer your question.

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. All defective adapters returned to Grom Audio within warranty period must be accompanied by the **original invoice (or copy)**.

All shipping and handling charges are non-refundable.

Warranty does not cover normal tear and wear, damages due to negligence, improper installation, and operation.

SHIP TO: GROM AUDIO
519 Marine view ave Ste G
Belmont CA 94002

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(A) EXCEPT AS OTHERWISE CONTAINED HEREIN, the PRODUCTS and related documentation are provided to you, "AS IS". IN NO EVENT SHALL GROM BE LIABLE FOR ANY DAMAGES, CLAIM OR LOSS INCURRED BY YOU (INCLUDING WITHOUT LIMITATION, COMPENSATORY, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES, LOST PROFITS, LOST SALES OR BUSINESS EXPENDITURES, INVESTMENTS, OR COMMITMENTS IN CONNECTION WITH ANY BUSINESS, LOSS OF ANY GOODWILL, OR DAMAGES. THE TERM 'INCIDENTAL DAMAGES' REFERS TO THE EXPENSES OF TRANSPORTING THE PRODUCTS TO THE GROM AUDIO SERVICE CENTER, LOSS OF THE END-USERS [ORIGINAL PURCHASER'S] TIME, LOSS OF THE USE OF THE PRODUCT, BUS FARES, CAR RENTALS OR OTHER COSTS RELATED TO THE CARE AND CUSTODY OF THE PRODUCT. THE TERM 'CONSEQUENTIAL DAMAGES' REFERS TO THE COST OF REPAIRING OR REPLACING OTHER PROPERTY, WHICH IS DAMAGED WHEN THIS PRODUCT DOES NOT WORK PROPERLY, RESULTING FROM THE USE OR INABILITY TO USE THE PRODUCTS, INCLUDING ANY DAMAGES INCURRED DUE TO THE NEGLIGENT OPERATION OF A MOTOR VEHICLE, IN CONJUNCTION WITH THE USE OF SAID PRODUCTS. THE END-USER ACKNOWLEDGES ITS RESPONSIBILITY FOR THE USE OF THE PRODUCT. THE ADDITION OF GROM PRODUCTS AND ANY AFTER-MARKET EQUIPMENT MAY ENHANCE THE VALUE OF A VEHICLE OR CAUSE A THIRD-PARTY TO ILLEGALLY ATTEMPT TO REMOVE THE PRODUCTS AND AFTER-MARKET EQUIPMENT. GROM DISCLAIMS ANY LIABILITY RELATED TO SUCH THEFT AND POTENTIAL DAMAGE TO PROPERTY. IT IS THE END-USERS RESPONSIBILITY TO PROTECT ITS OWN PROPERTY. THE END-USER FURTHER ACKNOWLEDGES THAT THE OPERATION OF A MOTOR VEHICLE IS AN INHERENTLY DANGEROUS ACTIVITY, AND BY ITS USE OF GROM'S PRODUCTS, ACKNOWLEDGES THAT THE PRODUCTS ARE REMOTELY RELATED TO SAID MOTOR VEHICLE OPERATION, AND THUS ANY DAMAGES CAUSED TO THE DRIVER OF THE VEHICLE, THE VEHICLE ITSELF OR ANY THIRD-PARTY AND ITS PROPERTY IS NOT THE RESPONSIBILITY OF GROM, ITS AGENTS OR ITS PRINCIPALS AND IS THE SOLE RESPONSIBILITY OF THE DRIVER OF SAID VEHICLE.

YOU, THE END-USER, OR ANY OTHER DRIVER OF THE VEHICLE, IS SOLELY RESPONSIBLE FOR THE SAFE OPERATION OF THE VEHICLE AND THE SAFETY OF BOTH YOU AND THE PASSENGERS. FOR SAFETY PURPOSES, THE PRODUCT SHOULD NOT BE USED FOR THE DRIVER'S ENTERTAINMENT, WHILE THE VEHICLE IS BEING DRIVEN. SUCH USE COULD BE A DISTRACTION TO THE DRIVER, WHICH COULD CAUSE AN ACCIDENT LEADING TO SERIOUS INJURY OR DEATH. IF YOU, THE END-USER ALLOW ANOTHER PERSON TO USE THE VEHICLE, IT IS YOUR RESPONSIBILITY TO THOROUGHLY BRIEF THAT OTHER USER, ON THE SAFETY REQUIREMENTS FOR OPERATING THE VEHICLE AND THE PRODUCTS INSTALLED THEREIN.

(B) SAID DISCLAIMERS SHALL APPLY TO THE USE OF SAID PRODUCTS, EVEN IF GROM HAS BEEN INFORMED OF, KNEW OF, OR SHOULD HAVE KNOWN OF THE LIKELIHOOD OF SUCH DAMAGES. THIS LIMITATION APPLIES TO ALL CAUSES OF ACTION IN THE AGGREGATE, INCLUDING WITHOUT LIMITATION: BREACH OF CONTRACT, BREACH OF WARRANTY, NEGLIGENCE, STRICT LIABILITY, MISREPRESENTATION AND OTHER TORTS. IF GROM'S WARRANTY DISCLAIMER OR LIMITATION OF LIABILITY SET FORTH IN THIS AGREEMENT SHALL, OR FOR ANY REASON WHATSOEVER, BE HELD UNENFORCEABLE OR INAPPLICABLE, YOU AND ANY OTHER END USER AGREE THAT GROM'S LIABILITY SHALL NOT EXCEED (70%) OF THE PRICE PAID FOR THE ENCLOSED GROM PRODUCT.

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, tornados, 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.

D. ENTIRE AGREEMENT. These terms and conditions constitute the entire and exclusive agreement between you, the End-User and GROM AUDIO, concerning the Products, and your purchase hereunder, and supersede all statements or other agreements, whether oral or written, between you and GROM AUDIO. No change in this Agreement shall be effective, unless agreed to in writing by both, you, the end-user and GROM AUDIO.

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.

IF YOU DO NOT AGREE WITH THESE TERMS AND PURCHASED DIRECT FROM GROM AUDIO PLEASE RETURN THE GROM PRODUCTS IN ORIGINAL CONDITION AND IN ORIGINAL PACKAGE WITHIN FIVE (5) BUSINESS DAYS OF RECEIPT OF THE PRODUCTS FOR A FULL REFUND OF THE PURCHASE PRICE OF GROM PRODUCTS (SHIPPING COSTS NON REFUNDABLE).

