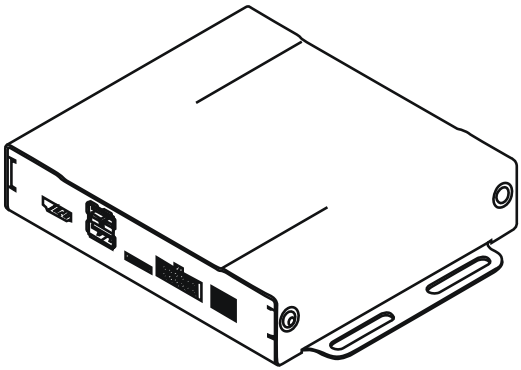
VLine



Installation Manual

LEX3L

www.gromaudio.com
www.gromaudio.com/support.html

GROM AUDIO

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GROM-VLINE SYSTEM

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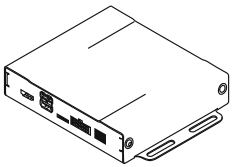
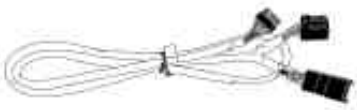
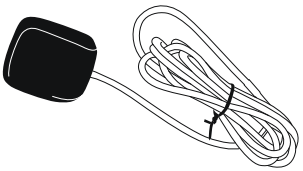


VLine module

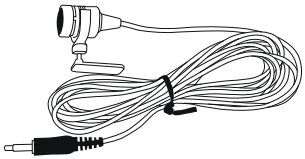


VTOYA3 Video Cable

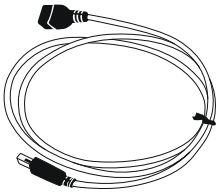
MCFTOY1+LEXTOYF Power Interface Cable



GPS Antenna



Microphone



USB Extension cable

*NOTE for VLite VT2: The GPS Antenna and the USB Extension Cable are not included in the VLite VT2 package. You can order them separately if desired.

CHAPTER 1 — INSTALLATION

1.1 Before Installation

Before starting work with any wiring, please wait 90 seconds after turning the ignition to the OFF position and disconnecting the battery's negative (-) terminal. It will ensure that no SRS airbag faults are triggered during the installation when disassembling the vehicle's panels and wiring connections for the VLINE module installation.

Please review the entire manual to familiarize yourself with the VLINE module and the installation requirements before installing and using the unit.

1.2 Tools

Have the tools ready for disassembling the dashboard panels to remove the stereo.

You will need some stereo removal and installation tools, plastic prying tools, a Phillips head screwdriver, a 10mm socket, and a ratchet. Additional instruments may be required depending on vehicle and installation preference.

1.3 Vehicle Installation

Each model vehicle disassembles differently. The removal of the stereo and

wiring installation requires special technical skills and experience. If you do not feel comfortable doing the installation please consult with your local car audio shop or installation professional for instructions or assistance if necessary.

Carefully remove the factory Stereo and Display out of the dash cavity with proper tools.

It may be necessary to disconnect items surrounding the stereo and display to remove them and gain access to the back of the stereo to make your connections.

1.4 Safety Guidelines & Appropriate Use

By using the VLine, you agree:
•to operate the VLine only when there are safe driving conditions;
•to follow any applicable state and traffic laws;
•to keep an eye on the road at all times while driving;
•do not attempt to play video (such as YouTube) on a display while the vehicle is in motion;
•do not use the VLine without running the engine for an extended time, as it can drain the battery.
Do not use the VLine in a manner that would distract the driver or that may otherwise cause injury or death to vehicle occupants or bystanders.
IT IS ILLEGAL IN MOST STATES OF THE UNITED STATES. IT MAY BE ILLEGAL IN OTHER JURISDICTIONS FOR ANY TELEVISION OR OTHER VIDEO DISPLAY, STREAM, TRANSMISSION, OR BROADCAST TO BE VISIBLE TO THE DRIVER WHILE THE VEHICLE IS IN MOTION. YOU AGREE NOT TO USE ANY VISUAL COMPONENT OF VLine WHILE IN CONTROL OF A MOVING VEHICLE WHERE DOING SO WOULD BE ILLEGAL OR DANGEROUS TO VEHICLE OCCUPANTS OR BYSTANDERS. DOING OTHERWISE CAN LEAD TO SERIOUS INJURY OR DEATH TO YOU AND OTHERS. PLEASE FIND A SAFE PLACE TO PARK AND ENGAGE THE PARKING BRAKE BEFORE VIEWING ANY VIDEO DISPLAYS, STREAMS, TRANSMISSION, OR BROADCAST AVAILABLE THROUGH THE VLINE.

WATCH INSTALL VIDEO at https://bit.ly/lex3l_install or SCAN QR CODE to watch --------> (YouTube)

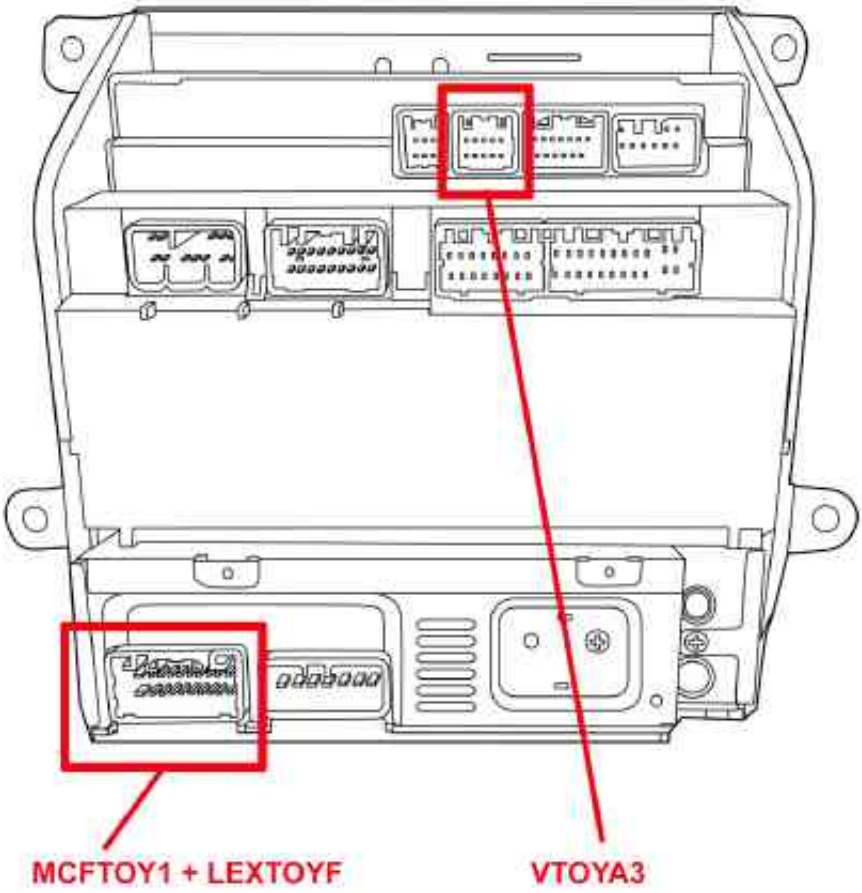
Connect the VLine Interface MCFTOY1 +LEXTOYF cable to the factory stereo

Locate the 20-pin connector and unplug it. Plug in supplied MCFTOY1+LEXTOYF Interface power cable. Reconnect what was disconnected from the rear of the stereo back into the female plug of the supplied interface cable LEXTOYF.

Connect the supplied VTOYA3 video cable to the factory LCD display

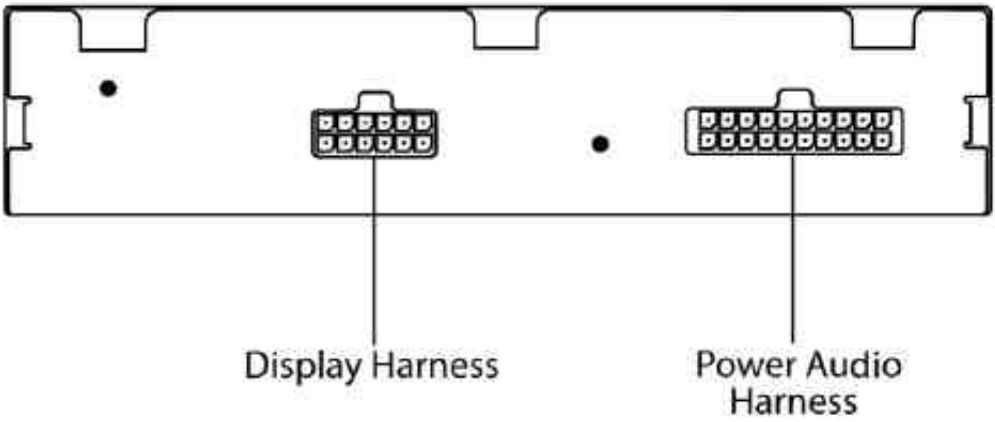
Locate the 10-pin main display port on the rear of the stereo LCD display.

Disconnect the factory display cable from the rear of the stereo LCD display. Then, plug in the supplied VTOYA3 cable and reconnect the disconnected car factory cable into the female plug of the provided VTOYA3 video cable.



Connecting to VLine

Route the unused ends of the display video cable VTOYA3 and power interface cable MCFTOY1+LEXTOYF to the VLine module and connect them to the correctly labeled ports.



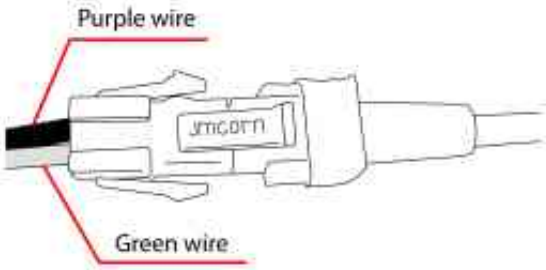
Important: external CD changer must be disconnected for VLine to appear and work. Any other external aftermarket devices such as iPod or Bluetooth adapters also must be disconnected!

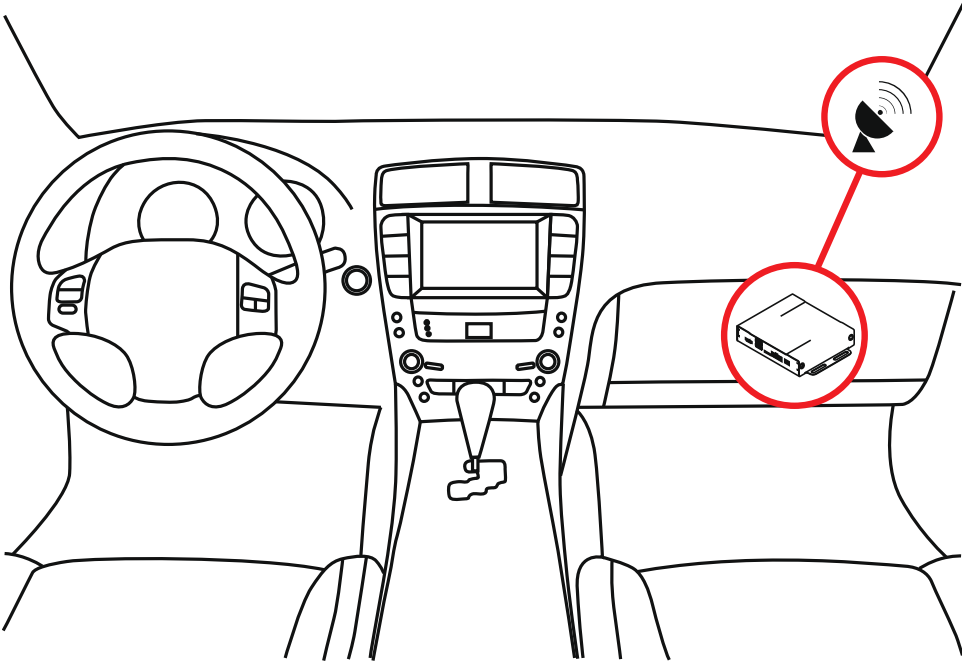
WATCH INSTALL VIDEO at https://bit.ly/lex3l_install or SCAN QR CODE to watch --------> (YouTube)

Routing the GPS Antenna

The GPS Antenna module is supplied with double sided tape.
It can be mounted to the top of dashboard or to outside of vehicle whichever you prefer. Route to desired location. We recommend mounting on inside of vehicle on passenger side of the Dashboard as shown below. Do not place the antenna into the glove box, or next to the metal parts. It can affect the reception.
Plug the GPS antenna into the port labeled CAMERA AV1 on the VLine Module.

If using VAUX cable: Plug VAUX cable into the CAMERA AV1 on VLine. Unplug GPS from the 10-pin to 4-pin adapter, and plug the GPS into VAUX with the purple and green wires facing up.





Routing the microphone

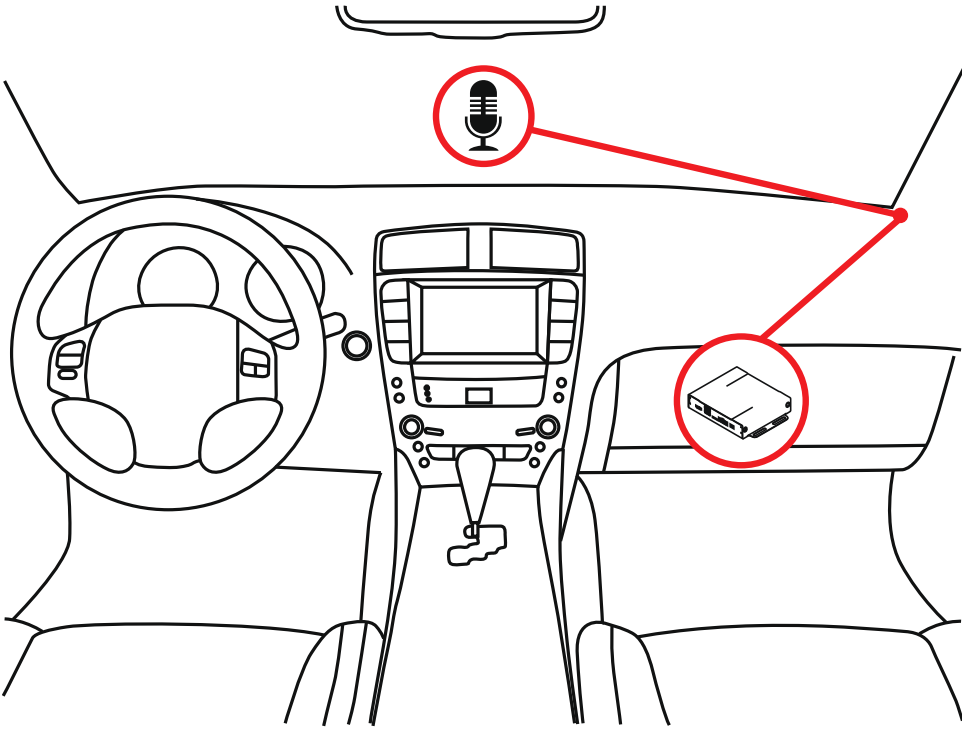
Route the microphone to a location where it will be able to pick up the voice clearly. We recommend mounting the microphone near the rearview mirror but not directly on the windshield glass. Avoid sticking it to a hard surface, as it will pick up more noise.

Plug the microphone into the MIC port of the VLine module.

Adjusting the microphone gain for CarPlay® or Android Auto®

1. Go to the VLine home screen, and tap on three horizontal lines in the upper left corner of the screen. You will get into Settings Menu.
2. While in Settings, scroll down to the bottom of the screen.
3. Adjust the microphone gain to 65. If the calls sound distant or have some noise, try adjusting the gain, either higher or lower, to your liking.

NOTE: VLite VT2 does not support phone calls on Android Auto, if you need the calls - use VLine VL2 instead.



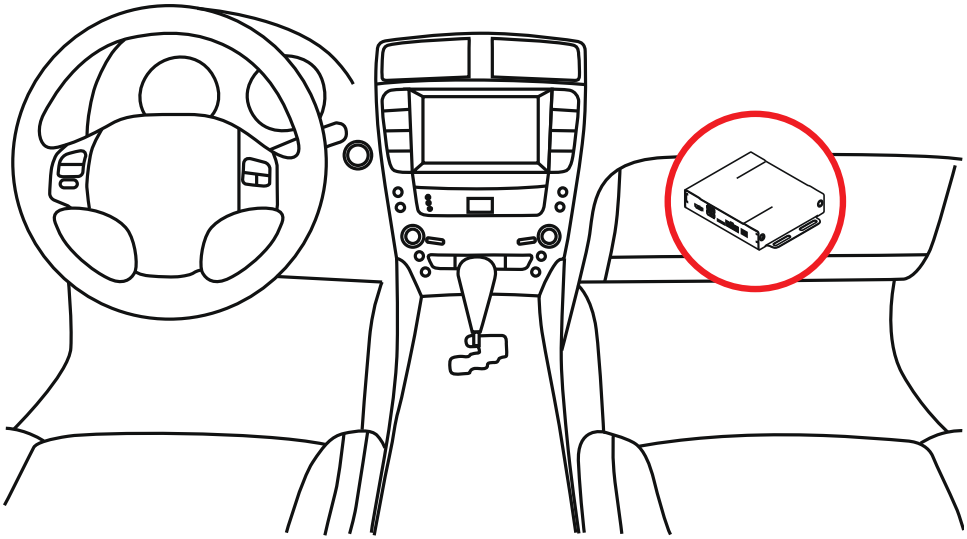
Testing the VLine operation

Test VLine operation before fully mounting the LCD display, stereo and dashboard. WARNING: Make sure to reconnect all unplugged OEM connectors, except external CD changer, back to the vehicle before cycling the ignition. Cycle the ignition and enter the external CD mode of your stereo. Press CD / Disc button a few times until in VLine mode. **Important:** external CD changer or external aftermarket devices must be disconnected for VLine to appear and work.

If VLine appears on the screen, and all factory functions such as climate controls, reverse camera, and AM/FM radio, are working, you can mount the display, stereo and dashboard.

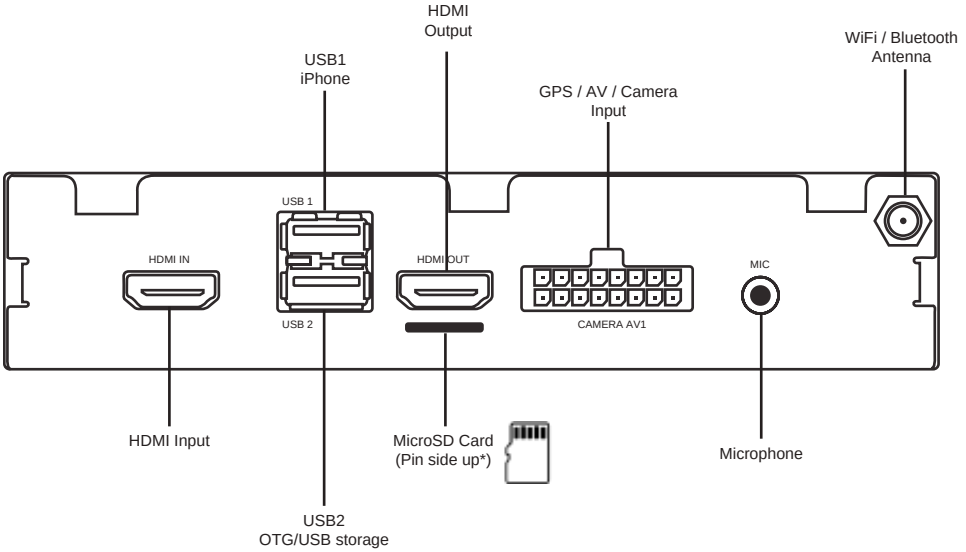
Mounting the VLine Module

Mount the VLine main module in an easily accessible location, such as the glove compartment, for easy access to the USB ports and to upgrade firmware on the VLine module. **Do not leave the unit inside the dashboard**, as it can damage the unit and its Bluetooth antenna and affect the Bluetooth / Wi-FI reception.



Securely mount and 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)

Understanding the VLine Ports



USB1
iPhone connection
Any other USB device (Keyboard / Mouse)

USB2
USB flash drive
Any USB device (Android, Keyboard / Mouse)

MicroSD
Insert microSD card (*pin side up) to increase storage space for Vline (up to 128GB supported). The microSD should be formatted FAT32. File system format exFAT and NTFS are not supported.

Pin Side Up

HDMI IN
HDMI input connection to connect external video sources.
(add plugin to Dashlinq Launcher to use feature)

HDMI OUT
HDMI Output connection to connect external displays. The HDMI Output will match the VLine's video feed and resolution, be sure your external display can handle those properly.

MIC
Microphone input, Connect 3.5mm Mono Microphone

CHAPTER 2 — GETTING STARTED

2.1 Initializing

After connecting the VLine module to the stereo, an Ignition Cycle will have to be performed for the stereo to discover Vline and allow Vline to self configure.

Press the DISC button until you are able to select the VLINE interface. (may take more than 2 presses of the DISC for accessing as first press is for built-in CD/DVD changer in most cases)

2.2 Functions

The GROM VLINE emulates the factory external CD changer mode of the stereo. External CD changer, if present, must be disconnected.

No other factory functions of the stereo will be disabled. Factory Bluetooth, Navigation, Radio will remain functional.

Selecting the VLINE mode:

Press the DISC button to access the external CD changer mode of the stereo to enter into VLINE interface mode (may need to press DISC few times).

How to use FM Radio while the display shows VLine / CarPlay / Android Auto:

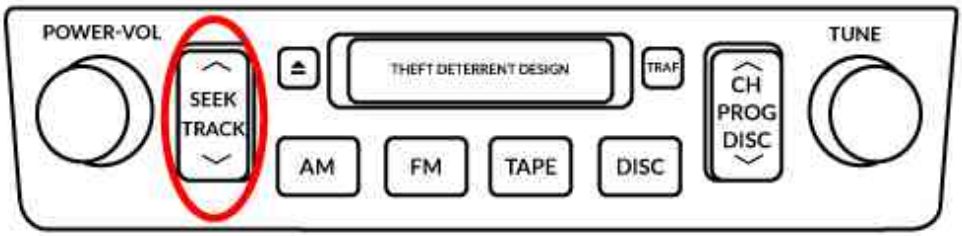
Simply go to the CD Changer source to display the VL2/VT2, then select the OEM source from the Lower Radio Buttons. **Important** - to hear the VLine / CarPlay / Android Auto sound and calls, the stereo must be in the VLine/ VLite mode (external CD changer mode). Press the DISC button again until the stereo is in the CDC mode.

How to activate VLine voice, Siri or Google Assistant:

Press and hold NEXT TRACK on the Steering Wheel Controls for 2-3 seconds.

How to answer phone calls:
Press NEXT TRACK on the Steering Wheel Controls to Answer;
Press PREVIOUS TRACK on the Steering Wheel Controls to Decline.

Track selection can be done with the stereo's SEEK TRACK ^ and v buttons or steering wheel buttons.



Important! Factory CD changer Equipped vehicles

When installing the GROM-VLINE module, It may be necessary for some vehicles to disconnect external CD changer, mounted in the glove compartment, armrest or trunk.

After Installation of VLINE, cycle Ignition a couple of times and see if both the VLINE and CD changer work properly installed together.

- If there is misbehavior of either one, then it is recommend to disconnect and lose this factory CD changer so that VLine can function properly.
- If both VLINE and CD Changer behave properly then there is no need to disconnect the CD Changer.

To disconnect CD Changer

1. Remove panels surrounding CD changer.
2. Unplug all cable connections leading up to the CD changer.
3. Remove CD changer from vehicle if you wish or it can be left mounted in vehicle but unplugged.

DVD changers or Built-in CD changers will remain working with VLINE, and do not have to be disconnected.

Using External Keyboard or Mouse

You can attach external USB mouse or keyboard to any USB ports of VLine, for easier operation, when you need to type-in password, or apply firmware update.

Adjusting Audio Bass, Treble, Balance/Fade for VLINE Mode - using Factory UI

Use the Factory UI icon to get to the factory UI and adjust sound settings. While in the VLine VL2 main screen, press on empty PLUS sign and go to Shortcuts --> Factory UI. Press on the Factory UI to get the shortcut icon to the main VLine screen. Tap on the Factory UI icon, and the stereo will switch from the VLine interface into factory external CDC interface. While in the factory CDC interface, you can adjust audio settings.

Press FM and then DISC on the stereo to switch back into the VLine VL2 interface mode.

Adjusting Display Brightness / Contrast

Sometimes the VLine or CarPlay / Android Auto image might appear washed out. This isbecause the factory display is not optimized for VLine or CarPlay / Android Auto colors. Adjust the display brightness and contrast to your liking by using the DISP button, if available, or going to the Factory UI (see above) and adjusting the display settings for the VLine mode of your stereo.

Troubleshooting and Tips

Q. *I can see the VLine user interface on the stereo, but the image is low resolution/pixelated.*
A. Adjust the display brightness / contrast using the DISP button, if available, or the Factory UI button, as described above.

Q. *VLine cannot be recognized by the stereo or is misbehaving.*
A. Check if there is an external CD changer present in the vehicle or external aftermarket device. If it is present, make sure to disconnect it. See p. 12 of this manual.

Q. *VLine is misbehaving.*
A. Check for firmware update and apply the latest firmware, if available. Connect VLine to Wifi (see User Manual). Go to Settings --> About Device --> Check for Updates and apply all available updates.

Q. *No sound in VLine / VLite*
A. Ensure the stereo is in the external CD changer mode. Refer to page 11.

Q. *No calls in VLine / VLite*
A. Ensure the microphone is connected fully. Check p. 10. Note: VLite VT2 does not support Android Auto calls.

SUPPORT: www.gromaudio.com/support.html

FAQ: www.gromaudio.com/support/faq.html, videos and installs at www.gromaudio.com/installs/index.html.

WARRANTY

Eighteen (18) Month 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.

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Within the first 18 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 product 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 THE 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.

By purchasing or otherwise obtaining GROM Product you agree:

- to operate GROM Products only when there are safe driving conditions;

- to follow any applicable state and traffic laws;

- to keep an eye on the road at all time while driving;

- do not attempt to play video (such as YouTube) on a display while the vehicle is in motion;

- do not use GROM Product without running the engine for the extended period of time as it can drain the battery.

You futher agree to use the GROM Product in:

- a manner consistent with all applicable laws and regulations and this Agreement; - a reasonable, safe and appropriate manner considering all the circumstances associated with that use.

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- for any illegal, non-personal or unauthorized purpose,

- in a manner that could damage or cause risk to GROM Audio business, reputation, employees, customers, facilities, or to any third party,

- in a manner that would distract the driver or that may otherwise cause injury or death to vehicle occupants or bystanders.

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