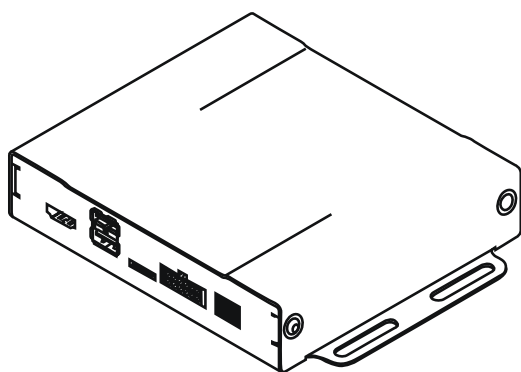


# VLine



## INSTALLATION MANUAL

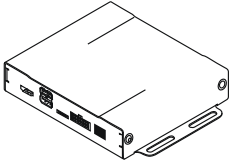
**NIS9**

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# GROM-VLINE SYSTEM

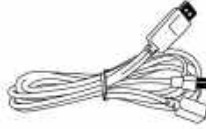
## PACKAGE CONTENTS



VLine module



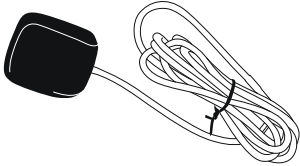
MFCNIS9 Interface Cable



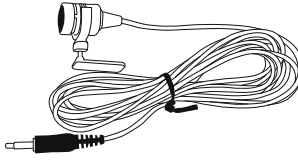
GVNMF Video Cable



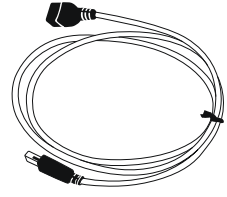
WLNISUSB USB cable



GPS Antenna



Microphone



USB Extension cable

## CHAPTER 1 — INSTALLATION

### 1.1 Before the 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.

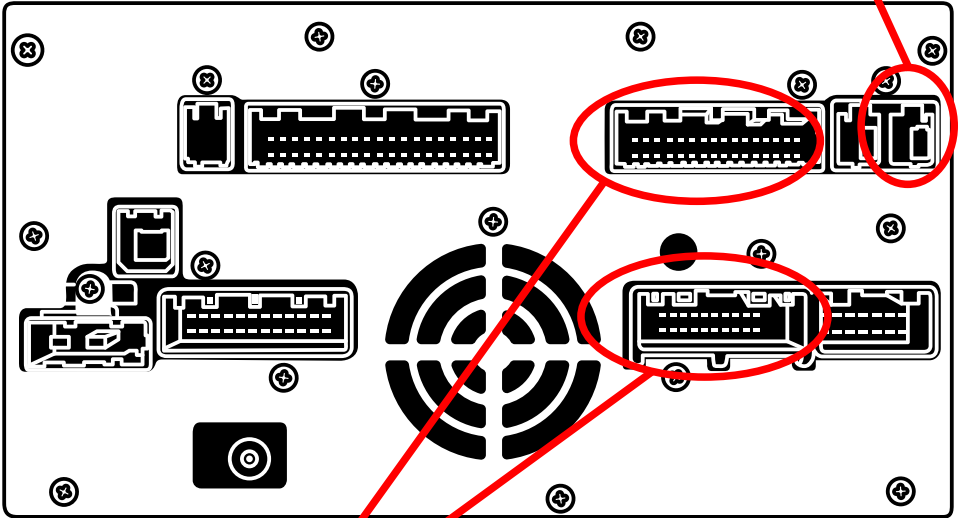
## **Connect the MCFNIS9 interface cable and WLNISUSB cable to the factory stereo**

**Watch install video: [https://bit.ly/nis9\\_installation](https://bit.ly/nis9_installation)** Locate the 20-pin and 32-pin connectors behind the stereo and unplug them. Plug in the supplied interface cable (MFCNIS9). Reconnect back what was disconnected from the rear of the stereo into the female plugs of the MCFNIS9 cable. Continue on the next page -->

Locate The 4-pin connector behind the stereo and unplug it. Plug in the supplied WLNISUSB cable. Leave what was unplugged from the rear of the stereo free and disconnected. You will not use it.

\*Please note that the factory USB port will be disabled and no longer function. The VLINE will take its place and emulate its functions. You can use the VLine USB port for the USB function instead.

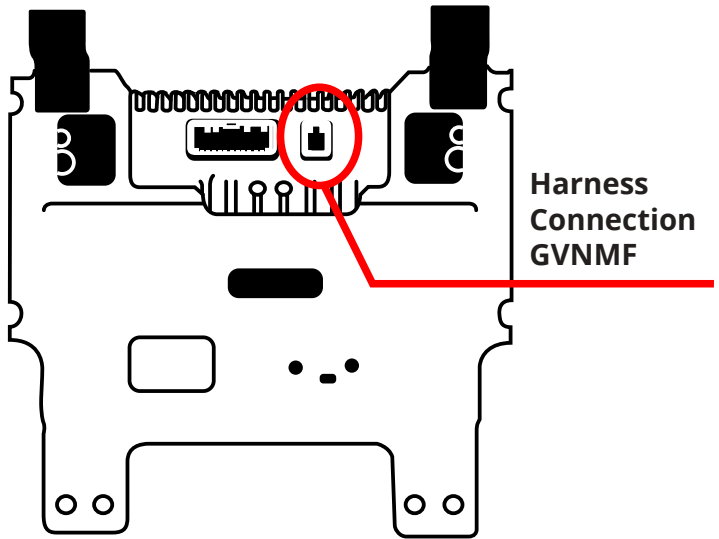
### Harness Connection WLNISUSB



### Harness Connection MFCNIS9

### Display connection with the GVNMF video cable

Locate a 4-pin plug at the rear of the stereo display and unplug it. Plug in the supplied video cable (GVNMF). Reconnect back what was disconnected from the back of the car stereo display into the female plug of the supplied GVMF video cable. Continue on the next page -->

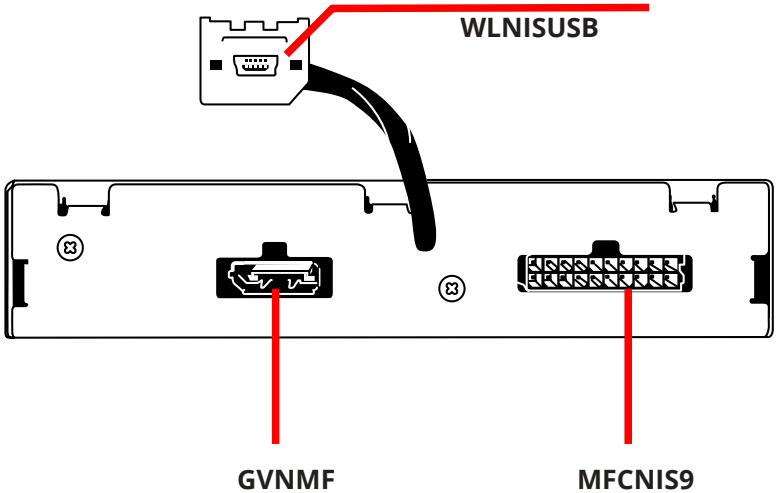


**IMPORTANT:** As shown above, connect the MFCNIS9 and WLNISUSB cables behind the stereo and **GVNMF behind the display**. Do not connect the VLine cables to the AC or other matching ports. Do not connect the GVNMF cable behind the stereo, connect it behind the display. Refer to the image on page 5 and the image above. Watch video at [https://bit.ly/nis9\\_installation](https://bit.ly/nis9_installation)

Plugging into the wrong port could damage the vehicle's stereo or VLine. You will get a black screen, and the AC will stop working.

### Connecting to the VLine

Route the other ends of the MFCNIS9, GVNMF, and WLNISUSB cables to the VLine module and connect them to the correctly labeled ports.



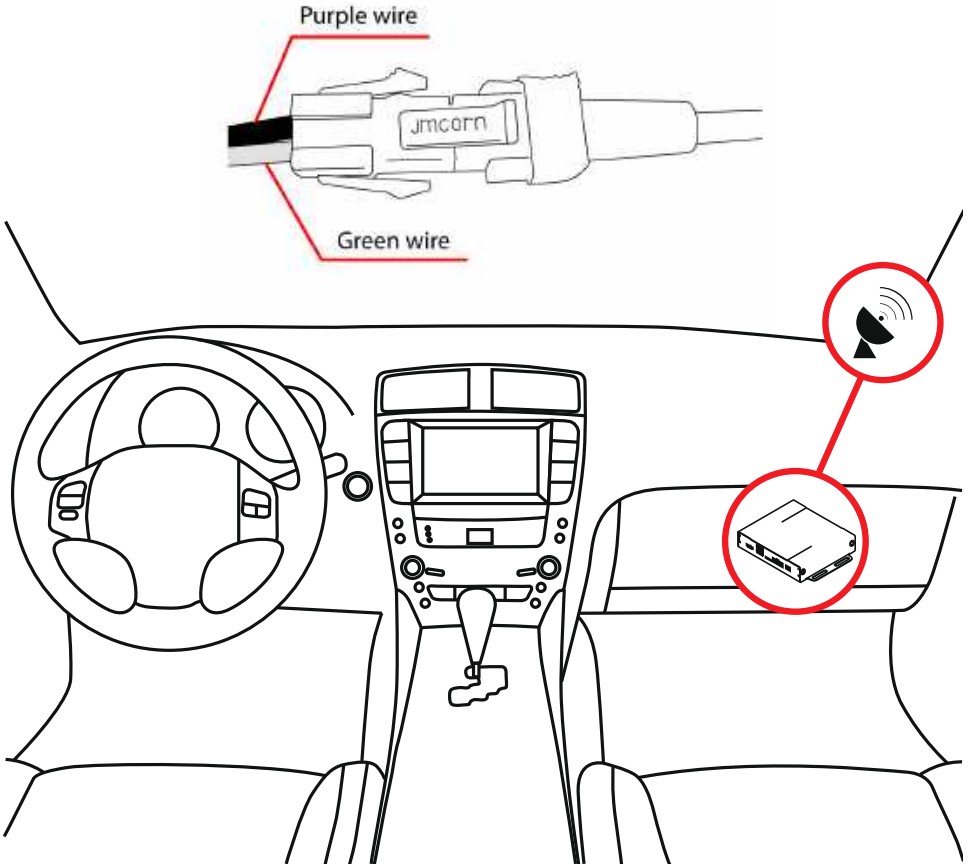
## Routing the GPS Antenna

The GPS Antenna module is supplied with double-sided tape. You can mount it to the dashboard's top or outside of the vehicle, whichever you prefer. Route it to the desired location. We recommend mounting it inside a vehicle on the passenger side of the dashboard, as shown below. Do not place the antenna into the glove compartment 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 the VAUX cable, plug the VAUX cable into the CAMERA AV1 on the VLine. Unplug the GPS from the 10-pin to 4-pin adapter, and plug the GPS into the VAUX with the purple and green wires facing up.

Please do not break the GPS antenna when unplugging it from the molex extension attachment.



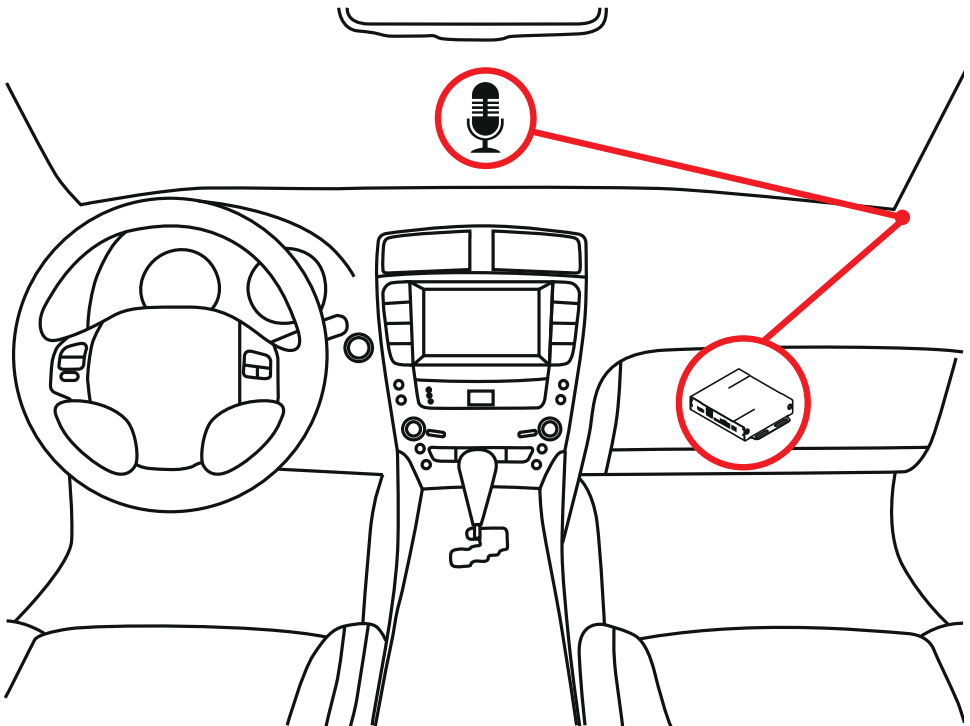
## Routing the microphone

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, tap on three horizontal lines in the upper left corner of the screen, and open the "Settings."
  2. While in "Settings," scroll down to the bottom of the screen.
  3. Hit AUTO on the screen to automatically adjust the microphone gain.
  4. Follow the instructions on the screen and adjust the microphone gain.
- We recommend setting the microphone gain to 45-50 for the factory mic.





## Testing the VLine operation

Test the VLine operation before fully mounting the stereo and dashboard.

**WARNING:** Make sure to reconnect all unplugged connectors.

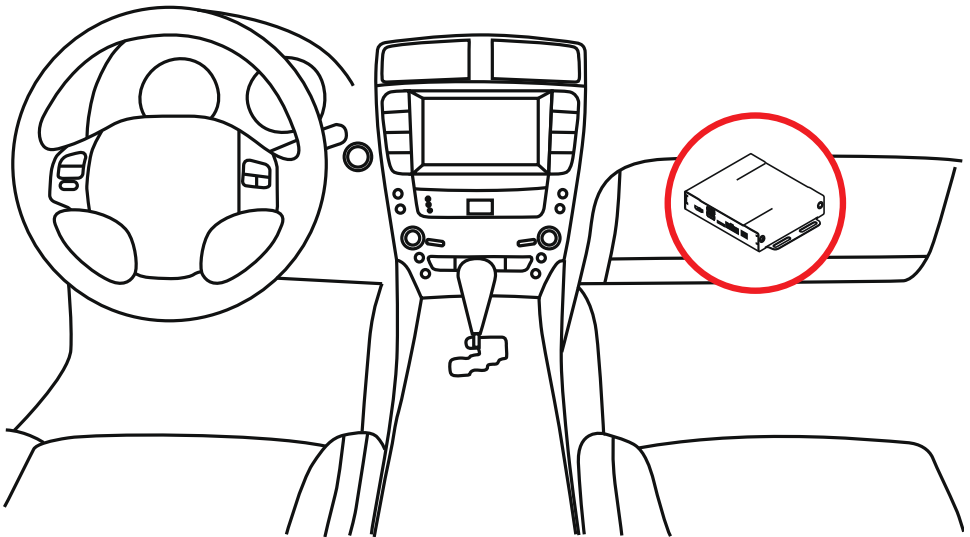
Cycle the ignition and enter the USB iPod mode of your stereo. Press the DISC/AUX button a few times until the stereo is in VLine mode.

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 stereo and the dashboard.

## Mounting the VLine Module

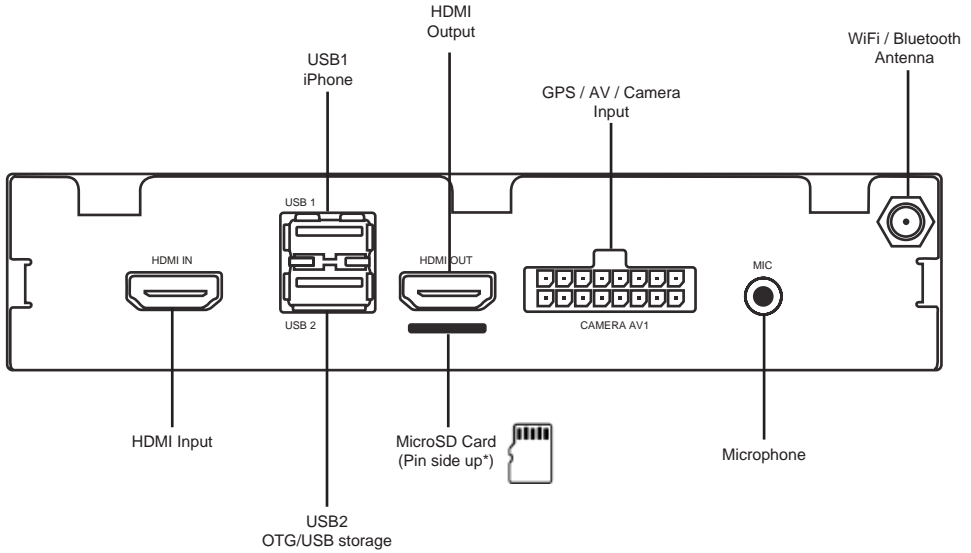
Mount the VLine main module in an easily accessible location, such as the glove compartment, for easy access to the USB ports and to upgrade firmware on the VLine module. **Do not leave the unit inside the dashboard**, as it can damage the unit and its Bluetooth® antenna and affect the Bluetooth / Wi-Fi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

**Do not bend or pinch** the GVNMF video cable as it will affect the video signal.



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.



## HDMI IN

HDMI input connection to connect external video sources.  
(add plugin to Dashling 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, please cycle the ignition for the stereo to discover the VLine and allow it to self-configure.

#### To INITIALIZE:

1. Turn the ignition switch to “the ACC” or “ON” position.
2. Wait up to 5 seconds
3. Put the ignition switch to “the OFF position
4. Wait 1 minute
5. Turn the ignition switch back to “the ACC” or “ON” position
6. Enter the USB mode of the stereo by pressing DISC/AUX button until the stereo is in the USB iPod mode.

### 2.2 Functions

The GROM VLINE emulates the factory USB mode of the stereo. Select the USB tab on the stereo’s media screen to enter the VLine mode.

Factory USB mode will be disabled with the connection of the VLine system. You can use the VLine USB for the same USB functions. Check the **C-VNISUSB** cable at [https://gromaudio.com/store/vline\\_accessories/cable-c-vnisusb.html](https://gromaudio.com/store/vline_accessories/cable-c-vnisusb.html) for the possibility to integrate factory USB port with the VLine for CarPlay / AAuto. Factory Bluetooth, navigation, radio and CD player will remain functional.

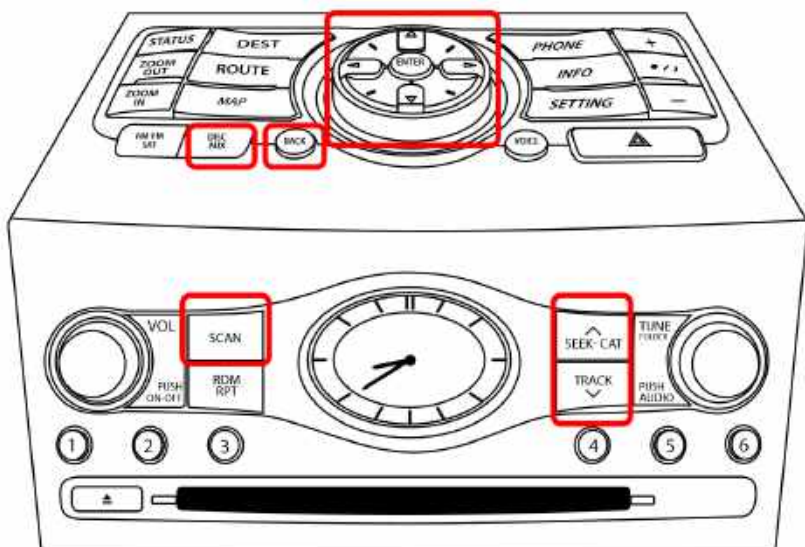
#### Button Controls of the VLine Mode

Track selection can be done with the stereo’s Seek Track ^ and v buttons.

Press the SCAN button twice to activate the voice button, Siri or Google Assistant.

You may use the Joystick/Knob buttons for some VLINE screen functions.

Press the BACK button to go back to a Previous screen.



## 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 USB interface. While in the factory USB interface, you can adjust audio settings.

Press FM and then DISC/AUX to enter the USB mode on the stereo screen to switch back into the VLine interface mode.

## Adjusting Display Brightness / Contrast

Sometimes the VLine or CarPlay / Android Auto image might appear washed out. This is because 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.

## 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.

# User Manual

Please refer to the User Manual included with your purchase regarding to the next steps required to set up your VLine infotainment system.

## Troubleshooting

CarPlay/Android Auto does not connect wireless, or VLine misbehaves.	Ensure you have the latest updates on the VLine by connecting the VLine to the WiFi and going to: Settings -> System -> VLine System Updates -> Check For Updates
CarPlay/Android Auto does not connect wired.	Ensure the cable you are using to connect the VLine and Phone is a high quality cable, as CP/AA will show issues with lower quality/ worn cables.
I cannot enter the USB iPod mode on my stereo screen to access VLine.	Double-check the WLNISUSB cable connection behind the stereo. Ensure the VLine "pigtail" is securely attached to the VLine.
Android Auto phone calls do not work.	VLine does not support phone calls via Android Auto. Only CarPlay iPhone phone calls are available. To get the phone calls, you will need to connect your phone to car stereo Bluetooth for phone calls.
The stereo is black in the VLine mode or factory mode.	Ensure you connected the GVNMF video cable to the back of the display and not to the back of the stereo. <b>See p.5.</b>
AC does not work, no VLine on the screen.	Ensure you connected the MCFNIS9 cable to the back of the stereo, and not to AC box. <b>See p.5.</b>
CarPlay/Android Auto does not connect wireless or has troubles staying connected.	Ensure the Bluetooth antenna is not broken, and there are no metal parts that can block the Bluetooth and Wi-Fi signals. Secure the VLine module in the glove compartment for better accessibility. <b>See p.11.</b>
The screen in VLine mode is low resolution and the picture is pixelated.	Use the Factory UI icon or DISP button on the stereo to get back to the factory UI and adjust screen's brightness and contrast. <b>See p. 12</b>

## **SUPPORT**

For technical support please visit us at [www.gromaudio.com/support.html](http://www.gromaudio.com/support.html) and fill out the form.

For live support, please go to [www.gromaudio.com](http://www.gromaudio.com).

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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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All parts of this product are guaranteed for a period of 18 month as follows:

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 RMA NUMBER THE RETURNS ARE NOT ACCEPTED!

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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.

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## **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 its 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 GROM Product.

B. EXCLUSION OF REMEDIES. TO THE MAXIMUM EXTENT PERMITTED UNDER APPLICABLE LAW, IN NO EVENT WILL GROM AUDIO OR ITS EMPLOYEES, DIRECTORS, OFFICERS AND OTHER REPRESENTATIVES BE LIABLE TO YOU OR ANYONE ELSE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, PUNITIVE, EXEMPLARY OR CONSEQUENTIAL DAMAGES OF ANY KIND ARISING OUT OF OR IN ANY WAY RELATING TO THIS AGREEMENT, INCLUDING YOUR USE OF OR INABILITY TO USE THE VLINE OR ANY CLAIM MADE BY A THIRD PARTY (INCLUDING, WITHOUT LIMITATION, LOSS OF REVENUE, PROFITS, DATA OR GOODWILL OR OTHER COMMERCIAL OR ECONOMIC LOSS) REGARDLESS OF THE CAUSE OF ACTION ON WHICH THE CLAIM IS BASED, EVEN IF GROM AUDIO HAS OR YOU HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR CLAIM.

C. GOVERNING LAW. THIS AGREEMENT and all Purchases hereunder shall be governed by, and construed under the laws of the State of Texas,

without regard to conflicts of law rules. You agree that the Courts of Texas shall have exclusive jurisdiction over the Parties, for all disputes.

D. 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.

E. 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.

## **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.

## **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 DIRECTLY 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).

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