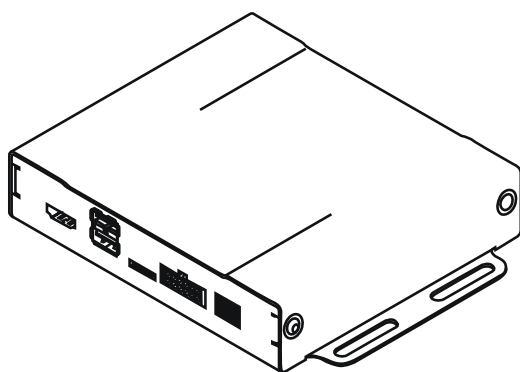


VLine



INSTALLATION MANUAL

HON1TL

CONTENTS

Package contents.....3

CHAPTER 1 — INSTALLATION.3

 1.1 Before Installation 3

 1.2 Tools 3

 1.3 Vehicle Installation 3

 1.4 Safety Guidelines & Appropriate Use 4

 Connect supplied display harness cable to factory display.5

 Connect VLine Interface cable to factory head unit.6

 Connecting to VLine.....6

Routing the GPS Antenna.....7

Routing the microphone.8

Adjusting the microphone gain8

Testing the VLine operation9

Installation troubleshooting..... 9

Mounting the VLine module..... 9

Understanding VLine ports.....10

CHAPTER 2 — GETTING STARTED..... 11

SUPPORT.13

WARRANTY.13

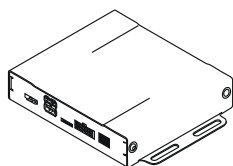
 EIGHTEEN MONTH (18) LIMITED WARRANTY

GRANT OF LICENSE.....14

OPERATIONAL WARNING AND SAFETY INSTRUCTIONS.15

GROM VLINE SYSTEM

VLine VL2 PACKAGE CONTENTS



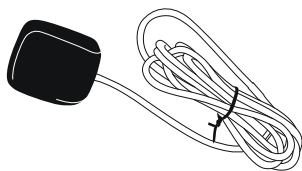
VLine module



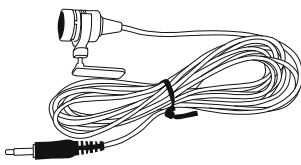
VHADTL
Video Cable



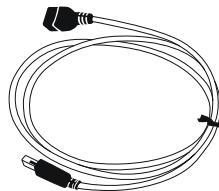
MCFHADD Power
Interface Cable



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 negative (-) terminal of the battery. This is to ensure that no SRS airbags 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 of the VLINE module and the installation requirements before installing the unit and using it.

1.2 Tools

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

Some basic tools will be required for stereo removal and installation, Plastic prying tools, Phillips head screwdriver, 10mm socket and ratchet. Additional tools 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 VLine you agree:

- to operate 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 time while driving;
- do not attempt to play video (such as YouTube) on a display while the vehicle is in motion;
- do not use VLine without running the engine for the extended period of time as it can drain the battery.

Do not use 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 AND 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 VLINE.

IMPORTANT: External CD changer, if present, must be disconnected from the car stereo system. Built-in will keep working.

IMPORTANT: Do not disconnect factory navigation!

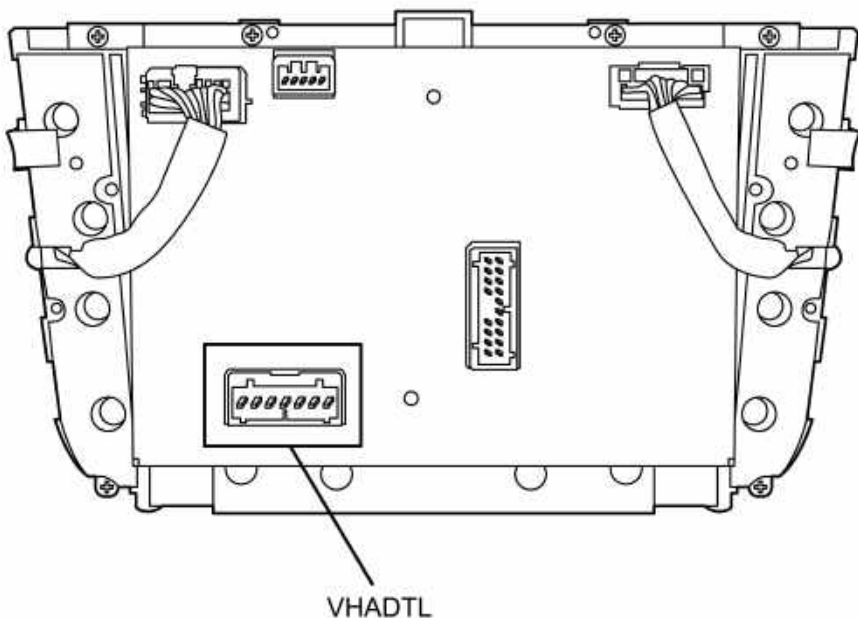
IMPORTANT: External CD changer, if present, must be disconnected from the car stereo system. Do not disconnect factory navigation!

Connect supplied video cable VHADTL to the factory display.

Locate the 22-pin display port on rear of the car stereo display (usually green).

If the port is empty, plug in supplied video cable (VHADTL) into the port and leave female portion of cable with nothing attached.

If there is cable plugged in, disconnect that cable, then plug in supplied Y-shaped VHADTL cable and reconnect disconnected cable into female plug of the VHADTL cable.



Warning: Do not pinch or hard bend the VHADTL video cable, as it will affect the video signal. Make sure there are no hard bends near the VHADTL cable connector to the VLine, and allow enough space around it.

Watch install video: https://bit.ly/hon1l_install



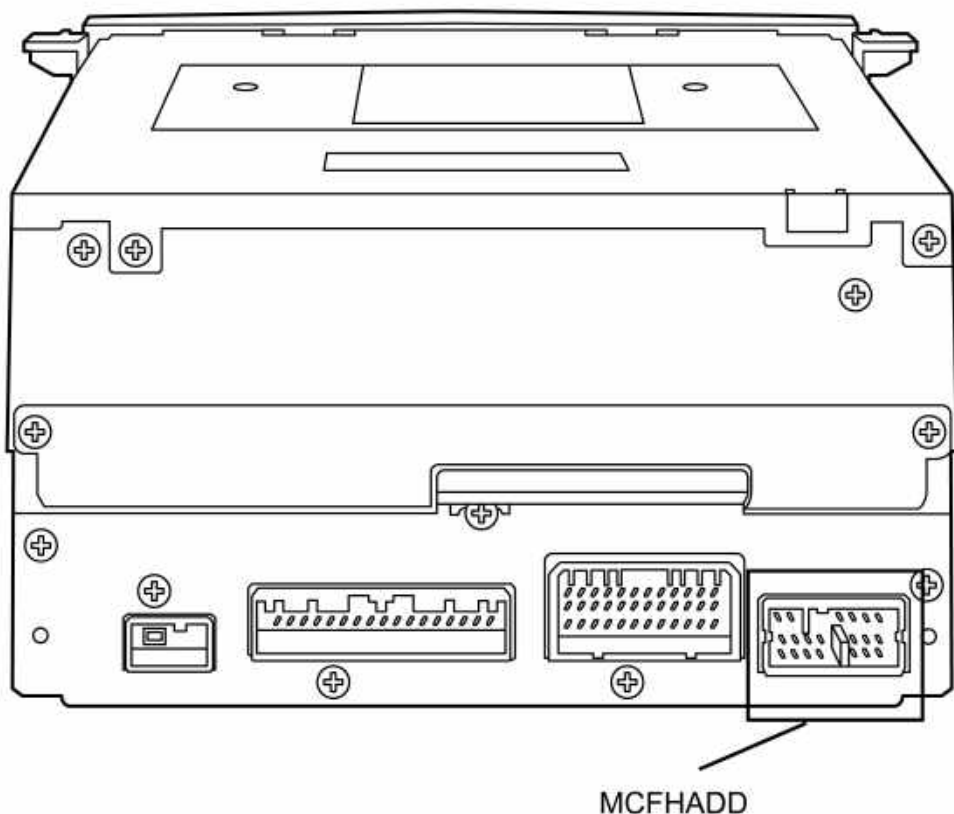
<--Scan QR code to watch install video

NOTE - this install video is for similar vehicle, but not the same. Please pay attention to this manual for specific install details.

Connect VLine power cable MCFHADD to the factory head unit

Locate the 14-pin connector behind the stereo and unplug. Plug in supplied power interface cable (MCFHADD). Reconnect back what was disconnected from the rear of the stereo back into the female plug of the supplied interface cable.

The 5-pin connector of the MCFHADD cable stays unplugged; there is no need to connect it anywhere.

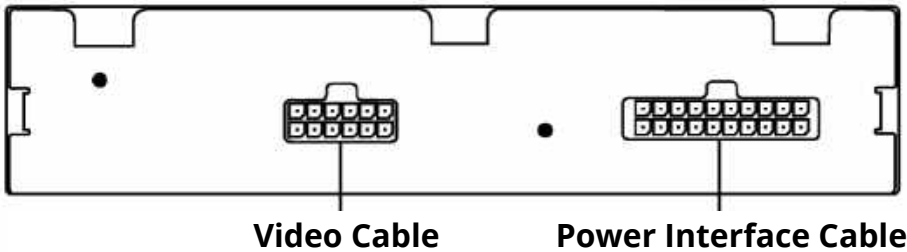


NOTE: The REV wire on the MCFHADD cable is not used for this install. Tape the end of it to the MCFHADD cable for more security.

NOTE: The locations of the connectors can vary for different vehicles. Ensure you locate the correct ports.

Connecting to the VLine

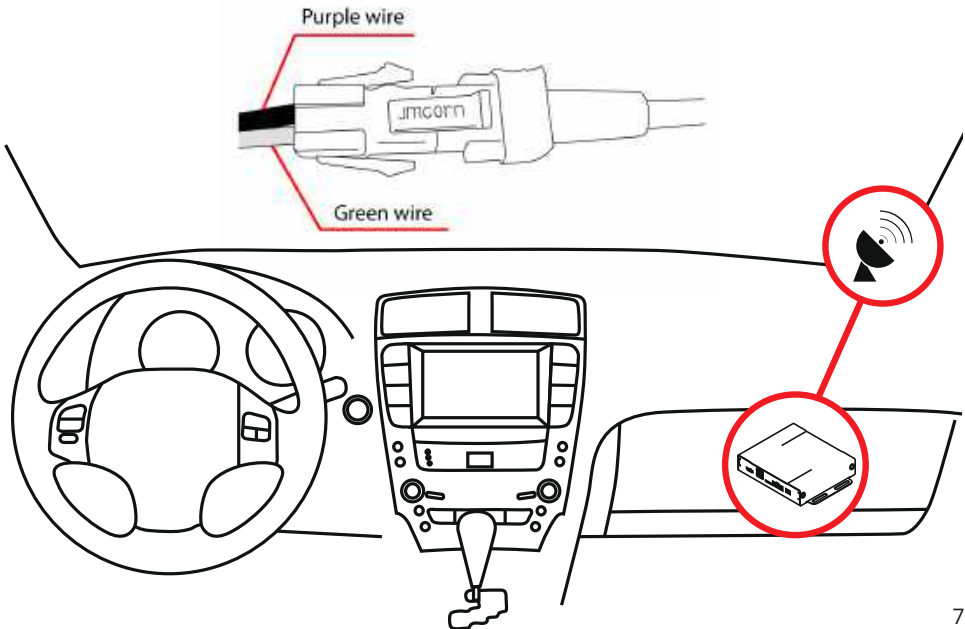
Route the unused end of video cable VHADTL and power interface cable MCF-HADD to the VLine module and connect them to the correctly labeled ports.



Routing the GPS antenna

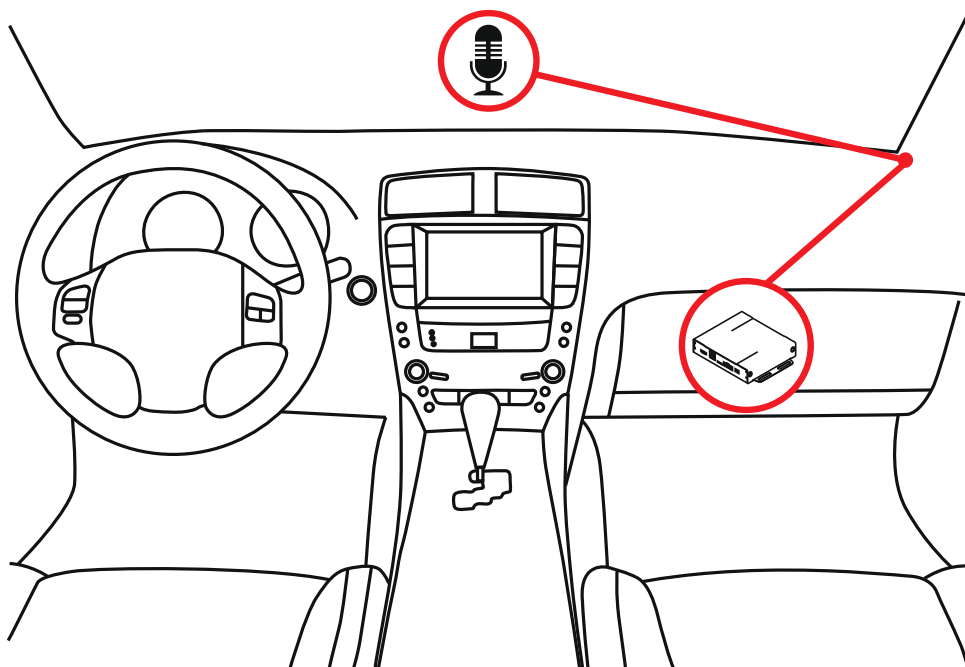
The GPS Antenna module is magnetic and supplied with double-sided tape. It can be mounted to the top of the dashboard or outside of the vehicle, whichever you prefer. Route the antenna to the desired location. We recommend mounting it inside the vehicle on the passenger side of the dashboard, as shown on the next page.

Plug the GPS antenna into the Camera AV port of the VLine unit. If you need to use the VAUX RCA cable, carefully disconnect the GPS antenna from the small molex extension, and plug the VAUX cable instead, per the instructions on the next page. Please do not break the GPS antenna when unplugging it from the molex extension.



Routing the microphone

Route the microphone to a location where it can pick up the voice. 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. Ensure you complete this step, as you will use the microphone for CarPlay®, Android Auto® voice assistance, and CarPlay® phone calls.



Adjusting the microphone gain for CarPlay® or AAuto®

It is essential to calibrate the microphone gain for the ultimate microphone performance for phone calls (CarPlay) and voice control.

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. Set the microphone gain to 65. Note if you are using factory microphone retention wire instead of the aftermarket microphone, you can set the microphone gain to 45.

Testing the VLine operation

WARNING: Ensure to reconnect all unplugged connectors to the vehicle before cycling the ignition. Cycle the ignition and press the DISC button to enter the VLine mode. You might need to press DISC a few times. On some stereos you press AUX button instead.

Ensure the VLine appears on the screen and all factory functions, such as climate controls, reverse camera, and AM/FM stereo, are working. You can mount the dashboard back.

Installation Troubleshooting

Test VLine operation before mounting the dashboard back.

1. There is no VLine on the display, or the display is black.

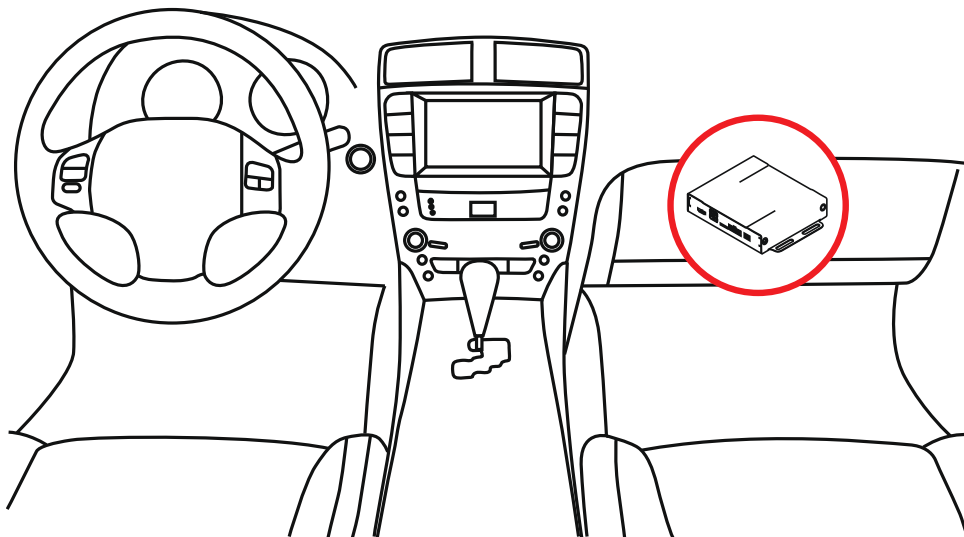
Check the VHADTL cable to ensure you connected it at the back of the display, and not at the back of the stereo. Make sure you reconnected the originally connected display cable back to the VLine VHADTL female end.

2. I cannot enter the VLine mode.

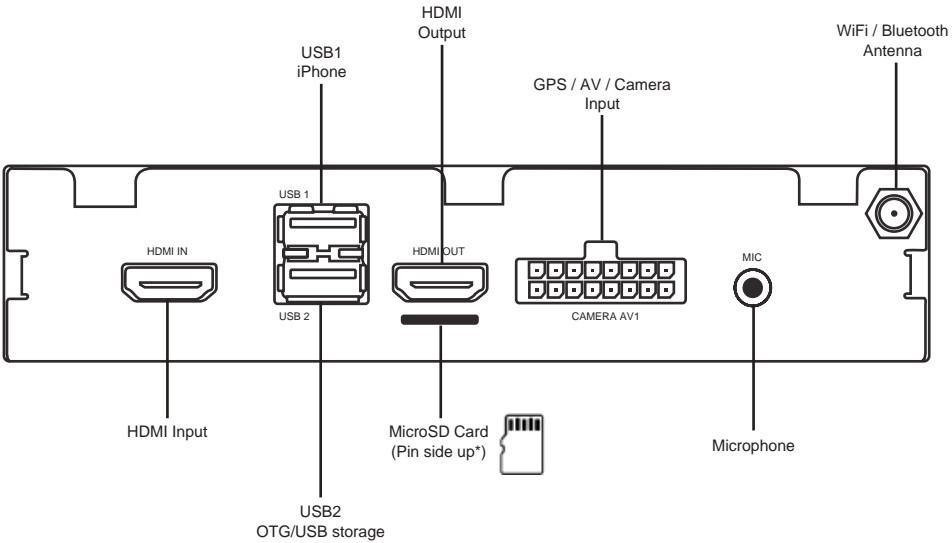
Ensure external CD changer, if present, is disconnected from the car stereo system.

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 the 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.



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

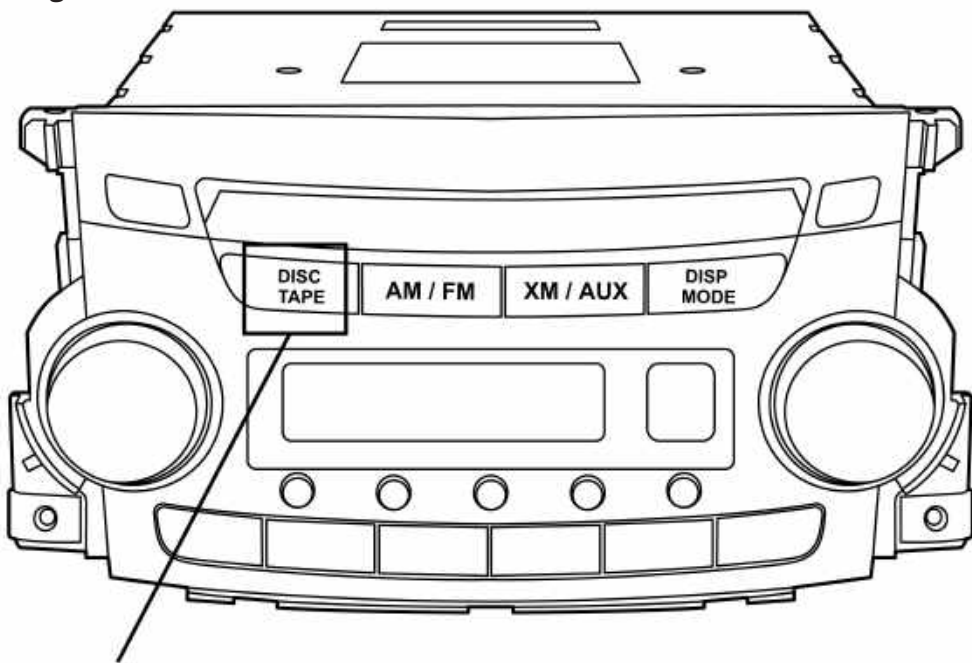
2.1 Initializing

Cycle the ignition and press DISC button to enter the VLine mode of the stereo.

2.2 Functions

The GROM VLINE emulates the factory DISC mode of the stereo. Press the DISC button to enter into VLINE interface mode. You might need to press DISC a few times until the stereo enters the VLine mode. Note that on some stereos you press AUX button instead.

No factory functions of the stereo will be disabled. **Factory 6-CD external CD changer must be located and disconnected. Do not disconnect factory navigation!**



Press to enter VLine mode

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

To activate Siri or Google Assistant, press-and-hold NEXT TRACK button on steering wheel controls.

2.3 Forcing the VLine VL2 / VLite VT2 User Interface on the display

You can listen to FM radio while seeing the VLine VL2 / VLite VT2 or CarPlay and Android Auto UI. While in FM mode, press and hold MAP button for a few seconds to force the VLine on the screen.

Important: to get the sound back from VLine VL2/VLite VT2 or CarPlay and Android Auto, switch the AUDIO source back to VLine VL2 / VLite VT2 CDC stereo mode.

2.4 Adjusting Audio Bass, Treble, Balance/Fade for VLINE

Use the Factory UI icon to get to the factory UI and adjust the 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 AUX mode. While in the factory AUX mode, you can adjust audio settings.

Press FM and then AUX button to switch back into the VLine VL2 interface mode.

2.5 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.

Troubleshooting and Tips

Q. VLine is misbehaving.

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

Q. VLine misbehaves, or there is interference with the stereo.

A. Ensure the external CD changer, if present, disconnected from the stereo system.

Q. Wireless CarPlay or Android Auto does not connect.

A. Ensure the Bluetooth antenna is not broken on the VLine, and not obstructed by any metal part. See p. 9 for reference.

SUPPORT: www.gromaudio.com/support.html

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Eighteen (18) Month Limited Warranty

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- 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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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).

FCC Radio Frequency Exposure and Declaration of Conformity

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: This equipment radiates radio frequency energy at a level below the United States FCC radio frequency exposure limits. Nevertheless, this device should be used in such a manner that the potential for human contact during normal operation is minimized.

The equipment must be installed to provide a separation distance of at least 20cm from people to ensure compliance with the RF exposure requirements.

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