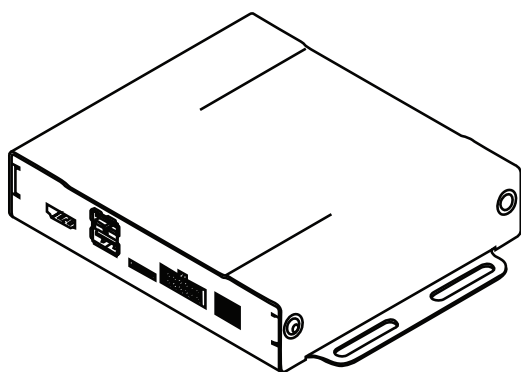


# VLine



## INSTALLATION MANUAL

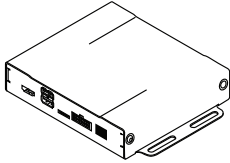
**LEX5**

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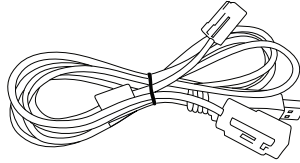
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# GROM-VLINE SYSTEM

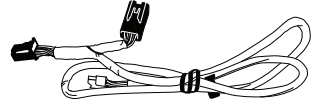
## PACKAGE CONTENTS



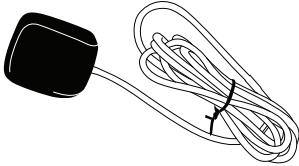
VLine module



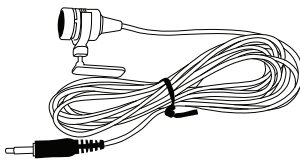
GVMF  
Display Harness



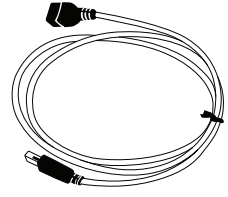
MCFTOY  
Power Harness



GPS Antenna



Microphone



USB Extension cable

## 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.

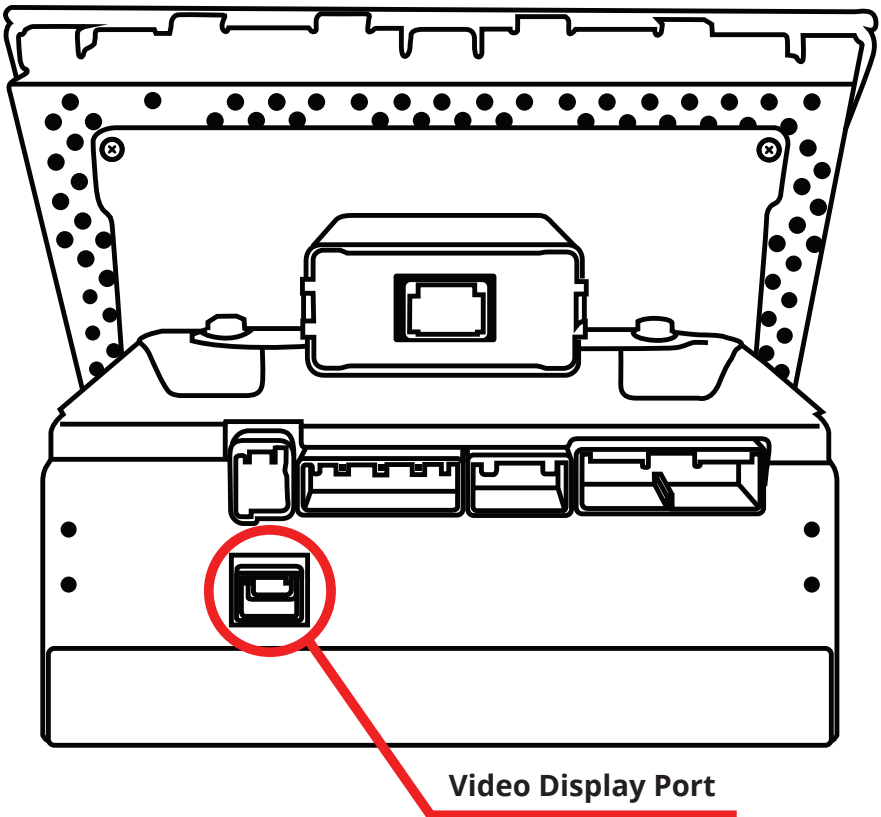
IT IS ILLEGAL IN MOST STATES OF THE UNITED STATES AND MAY BE ILLEGAL IN OTHER JURISDICTIONS FOR ANY TELEVISION OR OTHER VIDEO DISPLAY, STREAM, TRANSMISSION OR BROADCAST TO BE VISIBLE TO THE DRIVER WHILE THE VEHICLE IS IN MOTION. YOU AGREE NOT TO USE ANY VISUAL COMPONENT OF VLine WHILE IN CONTROL OF A 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 VLIN.

## Connect supplied Display Harness Cable to factory Display

Locate BLUE Display port on rear of Multi Display ECU.

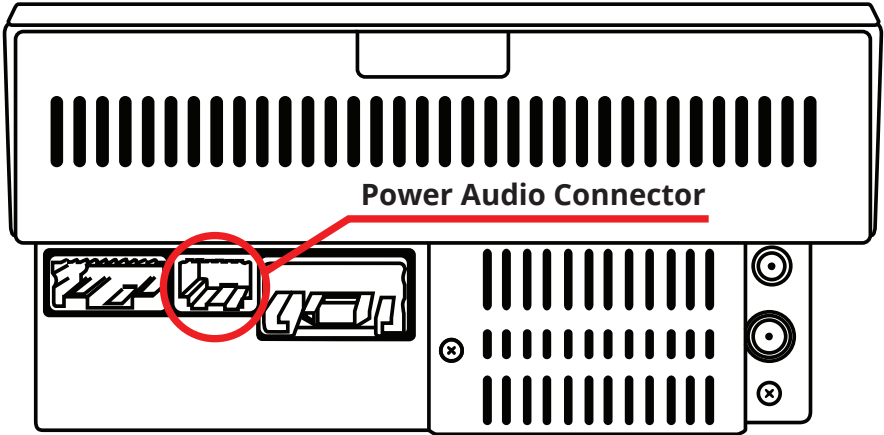
If the port is Empty, plug in supplied video cable (GVMF) into port and leave female portion of cable with nothing attached.

If there is cable plugged in, disconnect factory Display cable (typically Blue in color). Then plug in supplied Y cable and reconnect disconnected cable into female plug of the supplied Display cable.



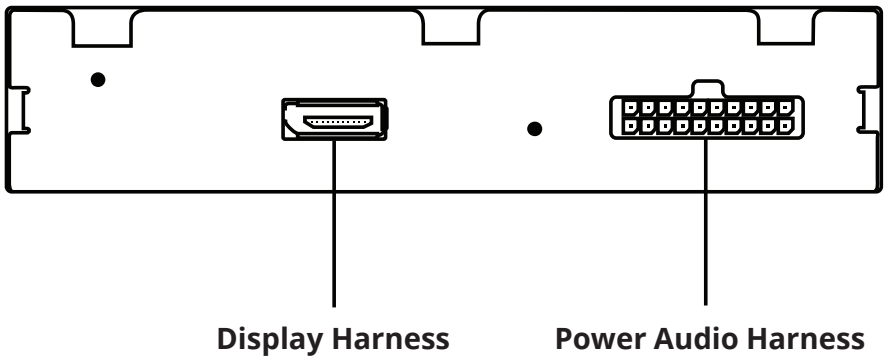
## Connect VLine Interface cable to Factory Head unit

Located 12-pin connector and unplug. Plug in supplied Power Audio Wiring Harness Interface cable (MCFTOY). Reconnect back what was disconnected from the rear of the stereo back into the female plug of the supplied interface cable.



## Connecting to VLine

Route the unused end of Display Cable and Power Audio Cable to the VLine module and connect them to the correctly labeled ports.

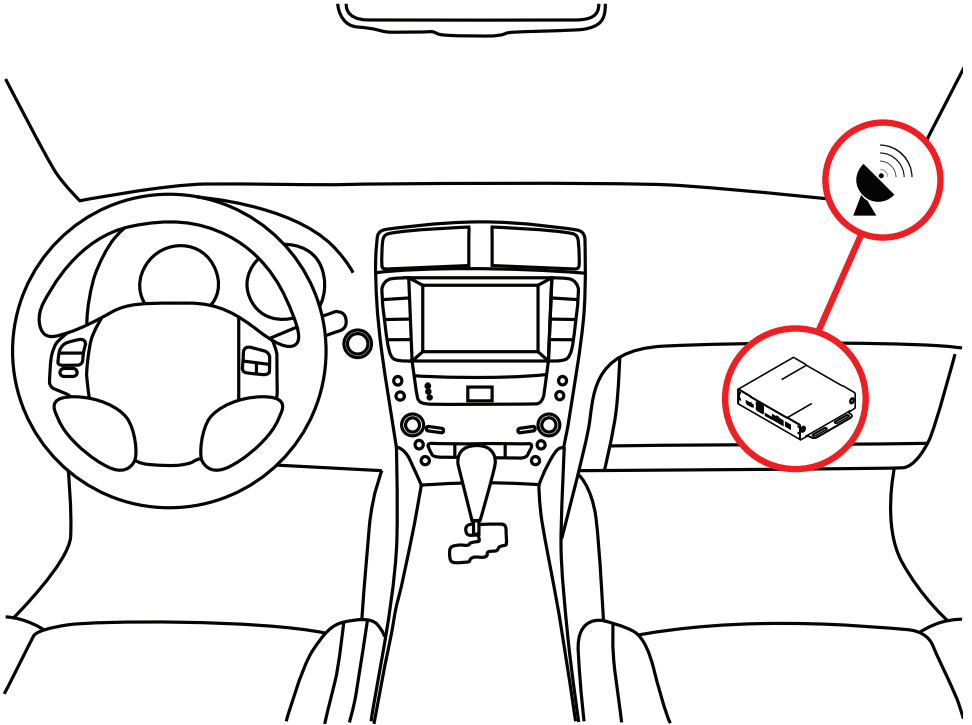


## Routing the GPS Antenna

The GPS Antenna module is magnetic as well as 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.

Plug the GPS antenna into the port labeled **CAMERA AV1** on the VLine Module

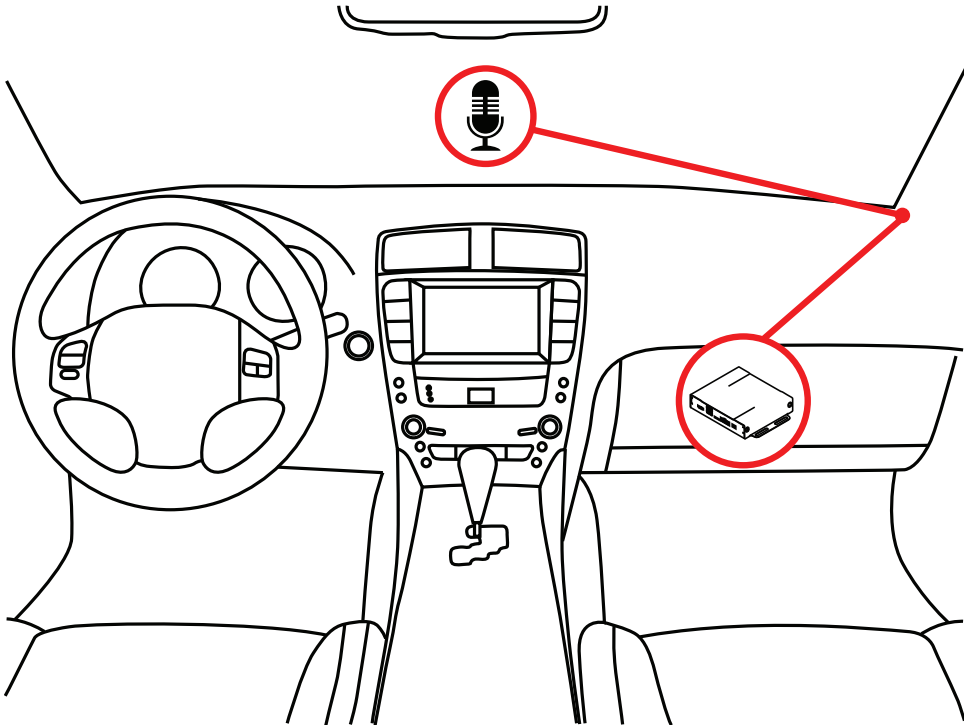


## Routing the Microphone

Route microphone to a location where it will be able to pick up voice clearly.

We recommend to mount MIC nearby the rear view mirror but not directly on windshield glass. Avoid sticking to the hard surface as it will pick up more noise.

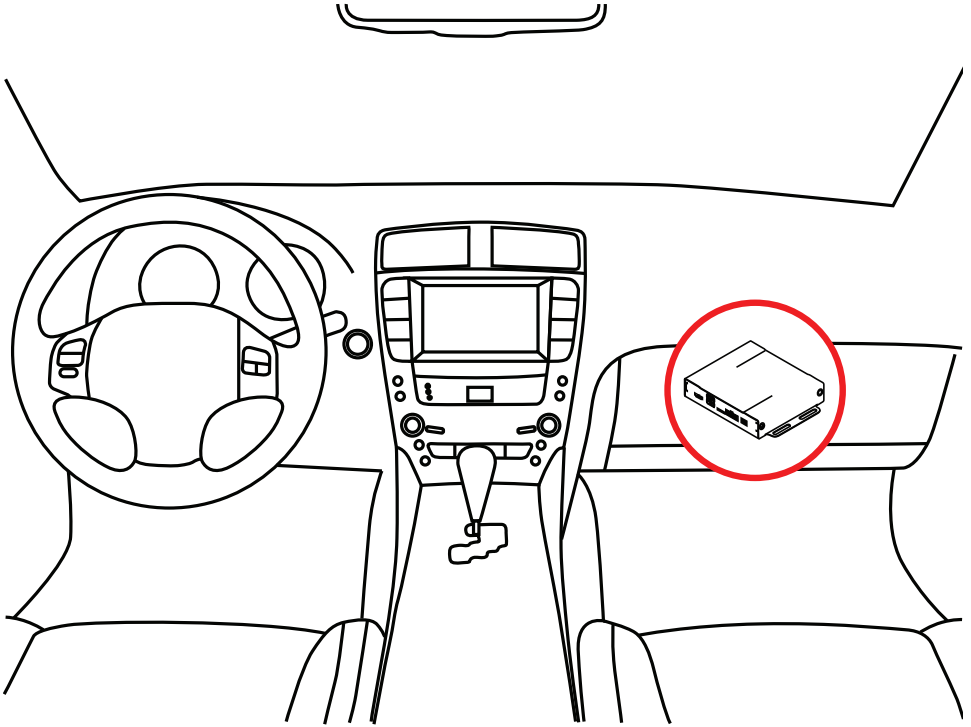
Plug the microphone into the MIC port of the VLine module





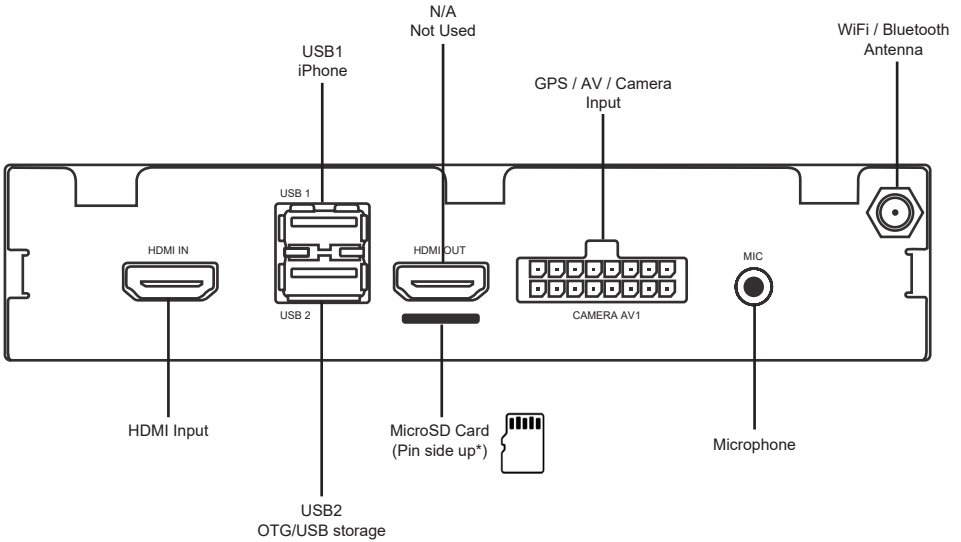
## Mounting the VLine Module

Mount module in location free of any moving parts. We strongly recommend mounting the module in an easily accessible location such as the glove compartment for easy access to the USB ports and in case of needing to upgrade firmware on the VLine module.



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  $-30^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$  ( $-24^{\circ}\text{F}$  to  $+158^{\circ}\text{F}$ )

# Understanding VLine Ports



## USB1

iPhone connection

Any other USB device (Keyboard / Mouse)

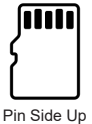
## USB2

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

N/A, not used

## 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.

#### To INITIALIZE:

1. Put Ignition Switch to “ACC” or “ON” position
2. Wait up to 5 Seconds
3. Put Ignition Switch to “OFF” position
4. Wait 1 minute
5. Turn Ignition Switch back to “ACC” or “ON” Position
6. 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)

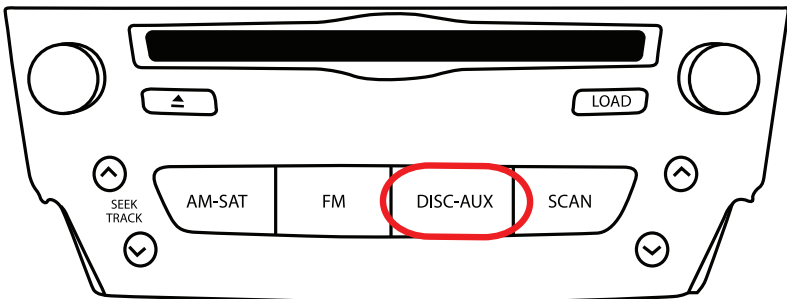
### 2.2 Functions

The GROM VLINE emulates the factory external CD changer mode or USB mode of the stereo depending on vehicle year and model that it is installed into.

No factory functions of the stereo will be disabled. Factory Bluetooth, Navigation, Radio and CD player 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).

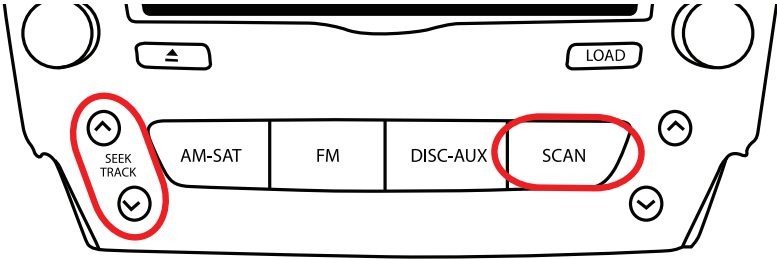


## Adjusting Audio Bass, Treble, Balance/Fade for VLINE Mode.

To adjust, press SCAN button 3 (three) times. Factory display will switch from VLine Interface into factory CD changer interface to adjust Audio settings.

Press SCAN button 3 (three) times again to switch back into VLine Interface mode again

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



## 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.

## **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).

Please check our FAQ at [www.gromaudio.com/support/faq.html](http://www.gromaudio.com/support/faq.html), videos and installs at [www.gromaudio.com/installs/index.html](http://www.gromaudio.com/installs/index.html).

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### **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.

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.

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

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