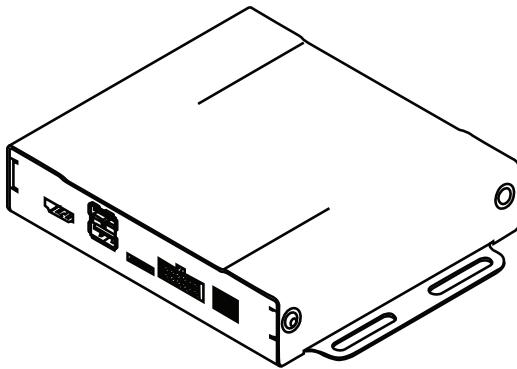


vLine



GROM-VL1 SYSTEM

LEX3VL1

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

G GROM
AUDIO

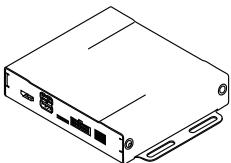
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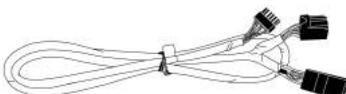
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GROM-V1 SYSTEM

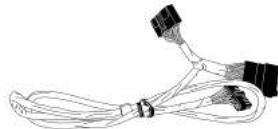
PACKAGE CONTENTS



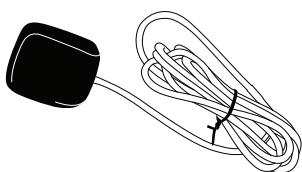
VLine module



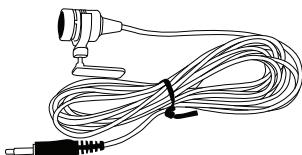
VTOYA3



MSFTOY1



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 dissembles 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.

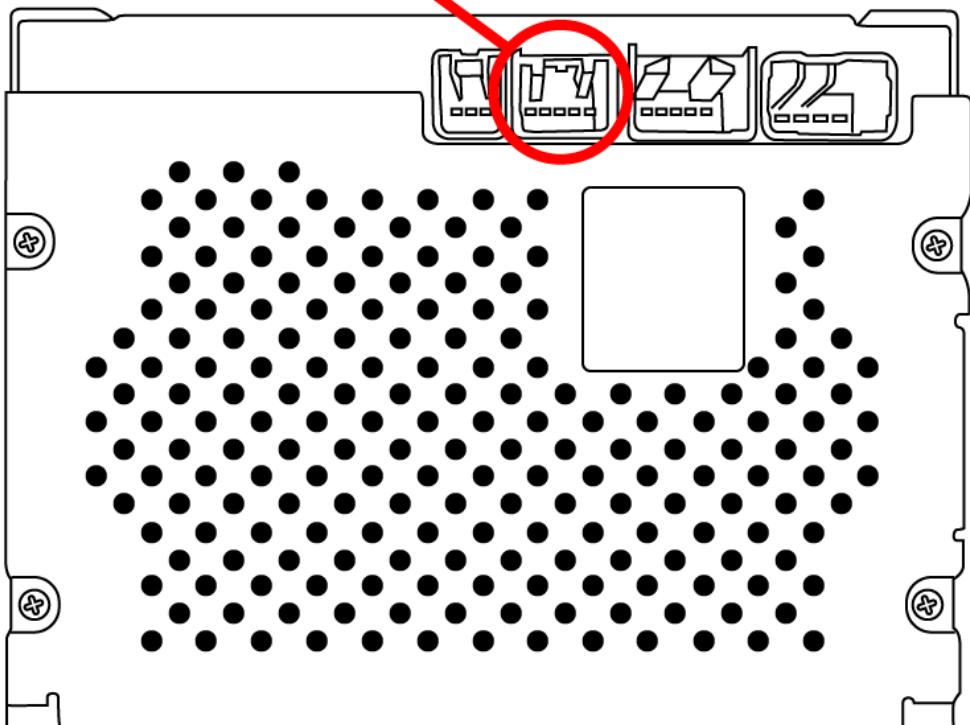
IT IS ILLEGAL IN MOST STATES OF THE UNITED STATES AND MAY BE ILLEGAL IN OTHER JURISDICTIONS FOR ANY TELEVISION OR OTHER VIDEO DISPLAY, STREAM, TRANSMISSION OR BROADCAST TO BE VISIBLE TO THE DRIVER WHILE THE VEHICLE IS IN MOTION. YOU AGREE NOT TO USE ANY VISUAL COMPONENT OF VLine WHILE IN CONTROL OF A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

Connect supplied Display Harness Cable to factory Display

Locate the 10-pin Main Display port on the rear of the Multi Display ECU.

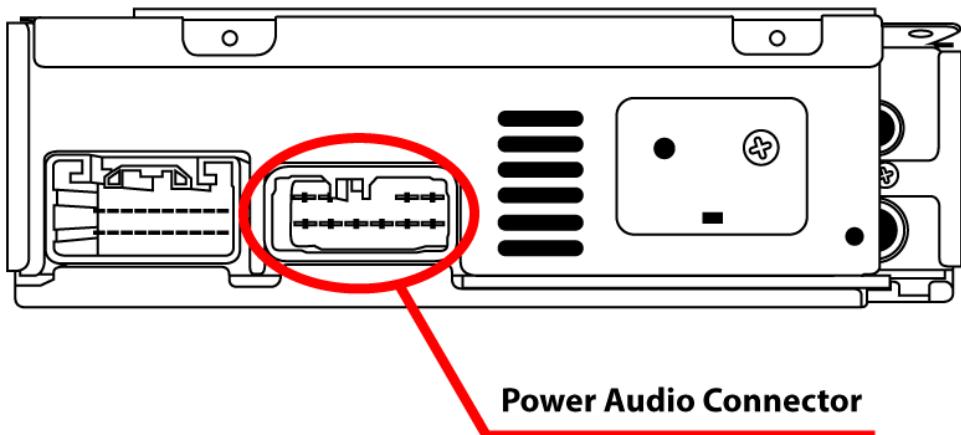
Disconnect the factory Display Cable from the rear of the Multi Display ECU. Then plug in the supplied Y cable and reconnect the disconnected cable into the female plug of the Supplied Display Cable.

Video Display Port



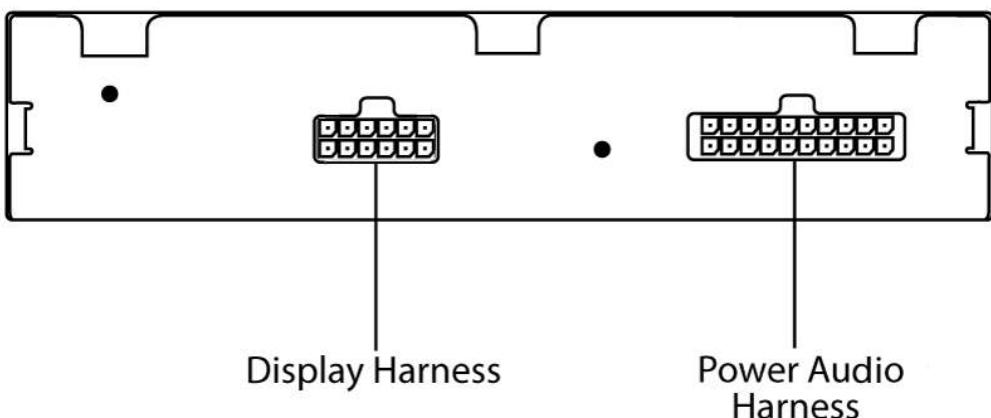
Connect VLine Interface cable to Factory Head unit

Locate 12-pin connector and unplug. Plug in supplied Power Audio Wiring Harness Interface cable (MCFTOY1). 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.

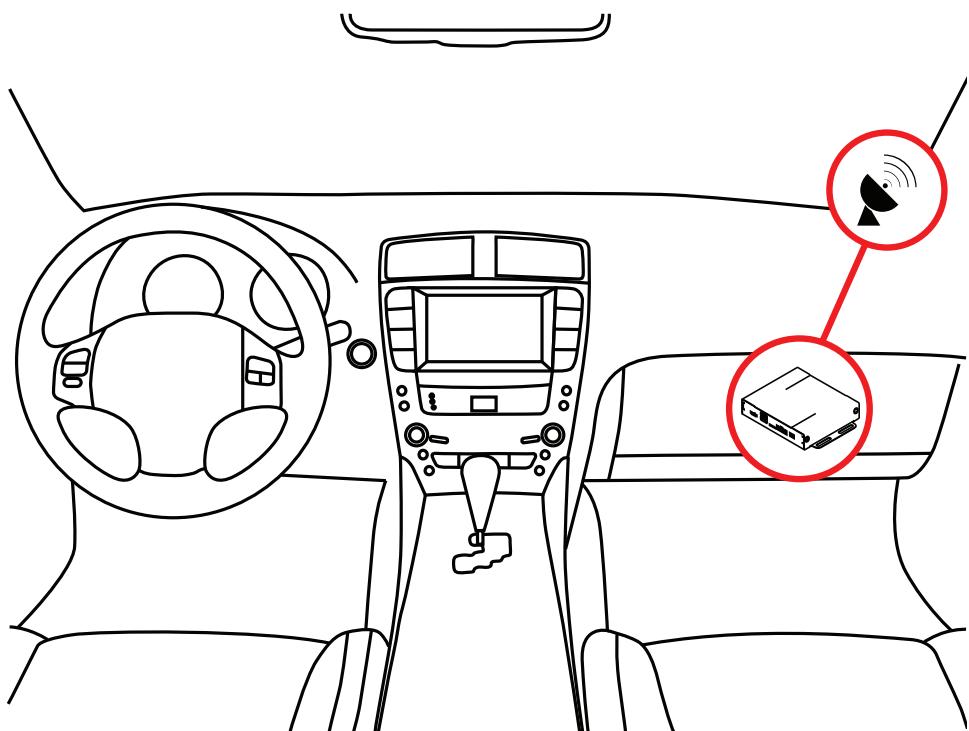


Routing the GPS Antenna

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

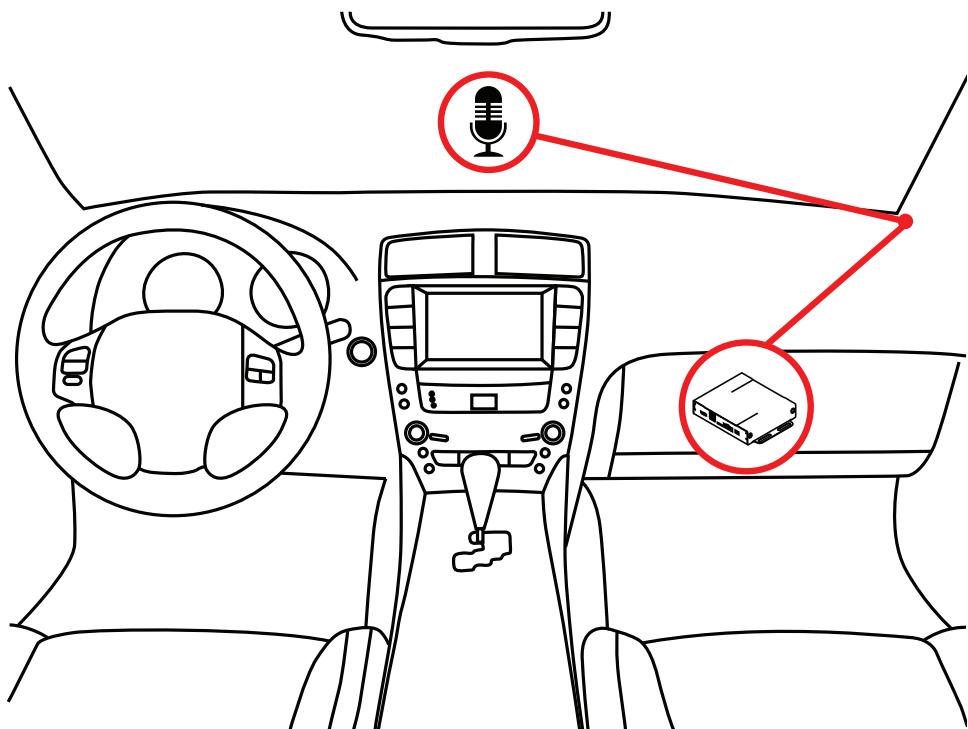


Routing the Microphone

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

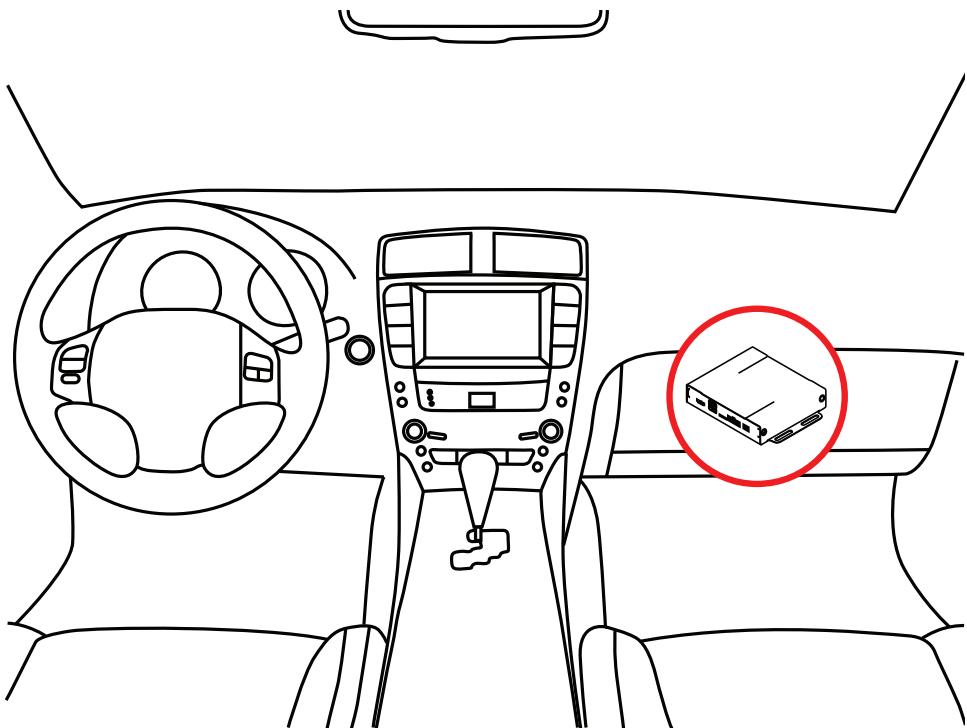
We recommend to mount MIC nearby the rear view mirror but not directly on windshield glass. Avoid sticking to the hard surface as it will pick up more noise.

Plug the microphone into the MIC port of the VLine module



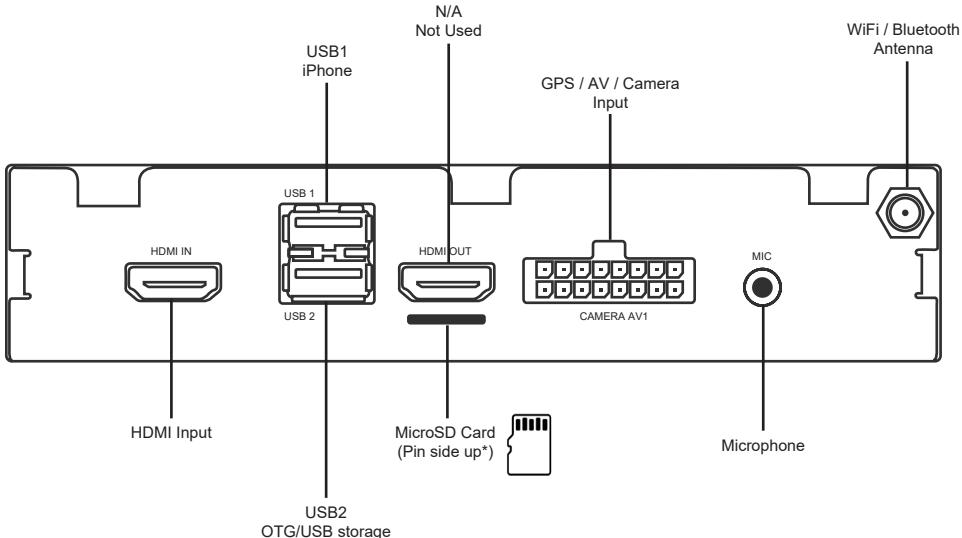
Mounting the VLine Module

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°C to +70°C (-24°F to +158°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)

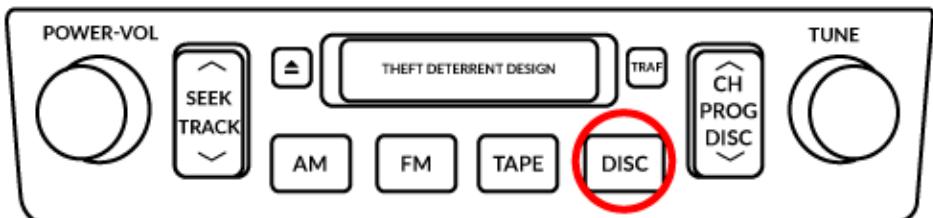
2.2 Functions

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.

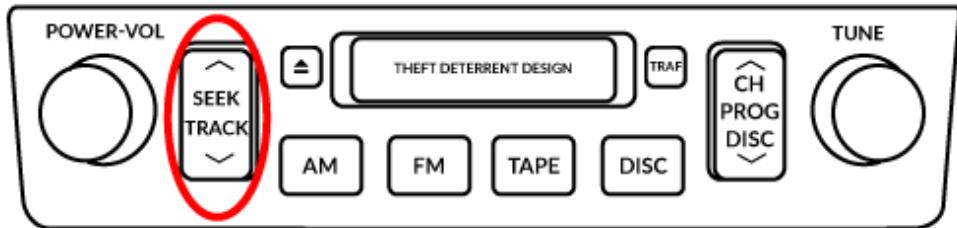
No factory functions of the stereo will be disabled. Factory Bluetooth, Navigation, Radio and CD player will remain functional.

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).



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



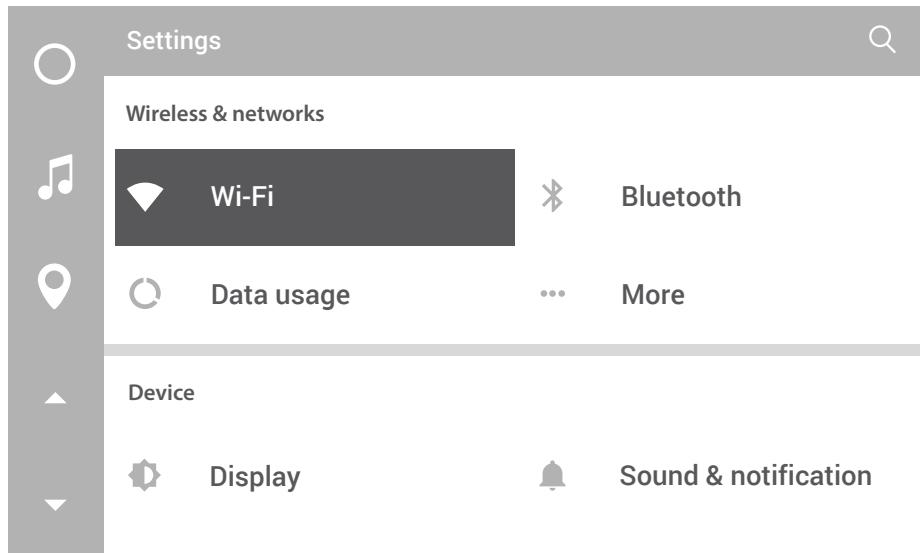
Initial configuration

Setting up WIFI

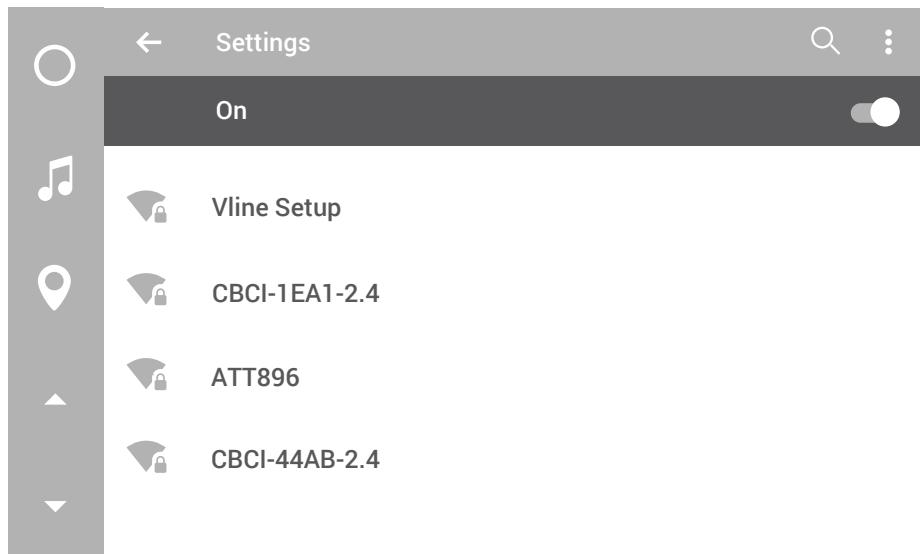
The VLINE module will require a data connection while vehicle is in mobile on road to take advantage of majority of its features.



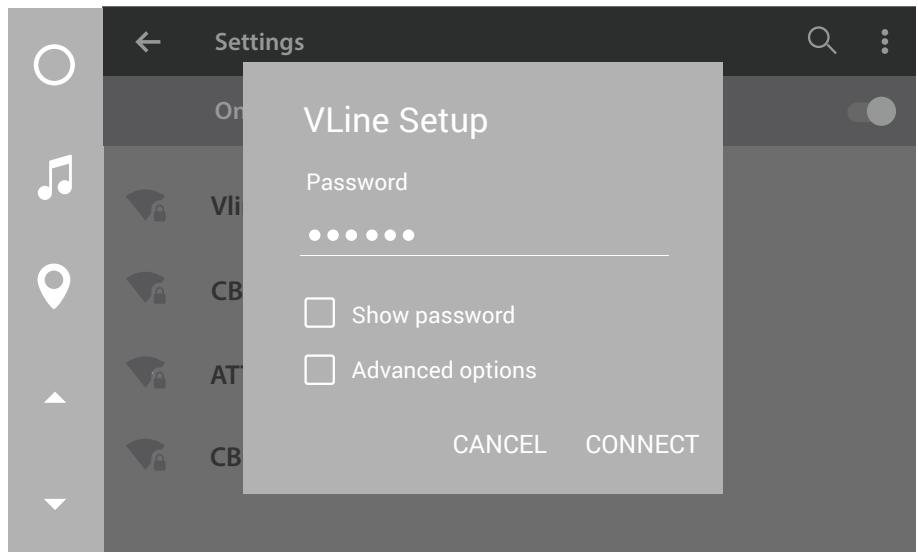
Go into WiFi Settings



Select WiFi channel to connect



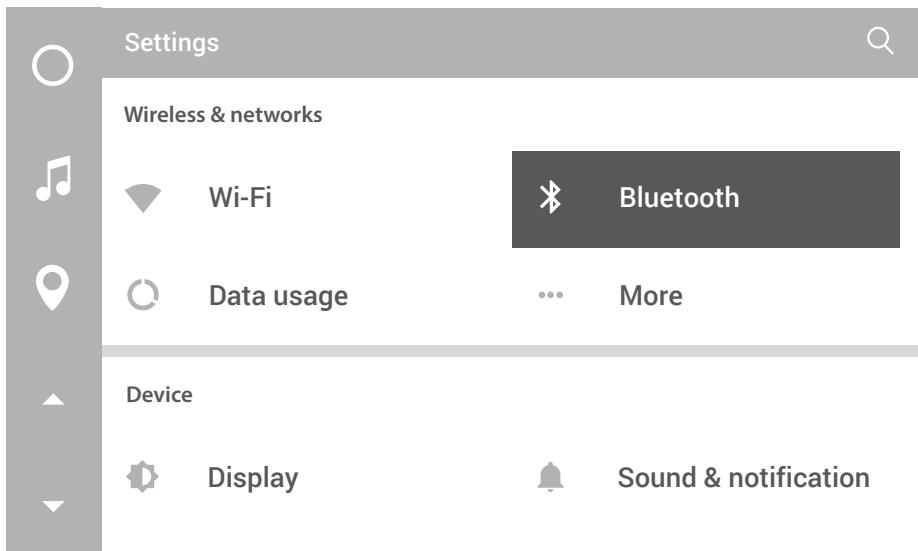
Enter In [Password] and select on CONNECT



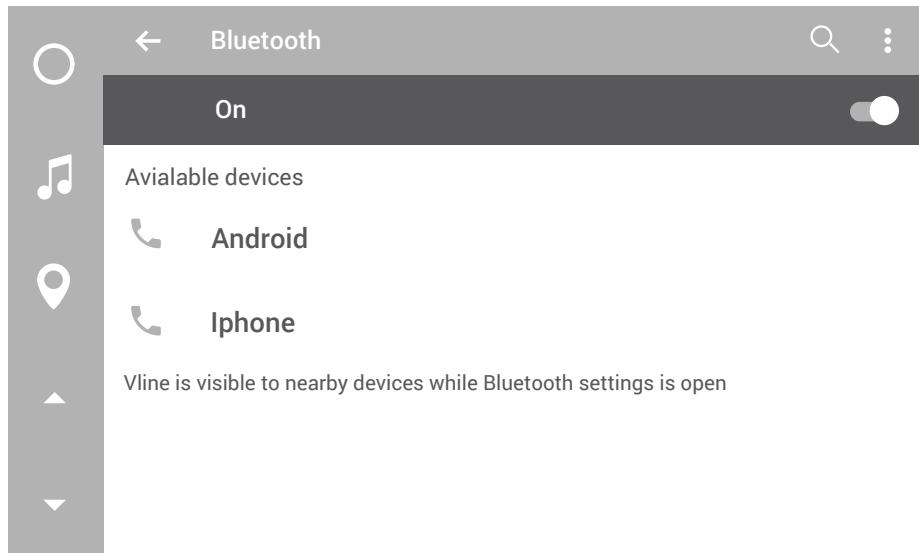
NOTE: Please check with Mobile Carrier for Hotspot data usage limits. Depending on mobile provider you might be a subject to mobile data and tethering charges.

Setting up Bluetooth

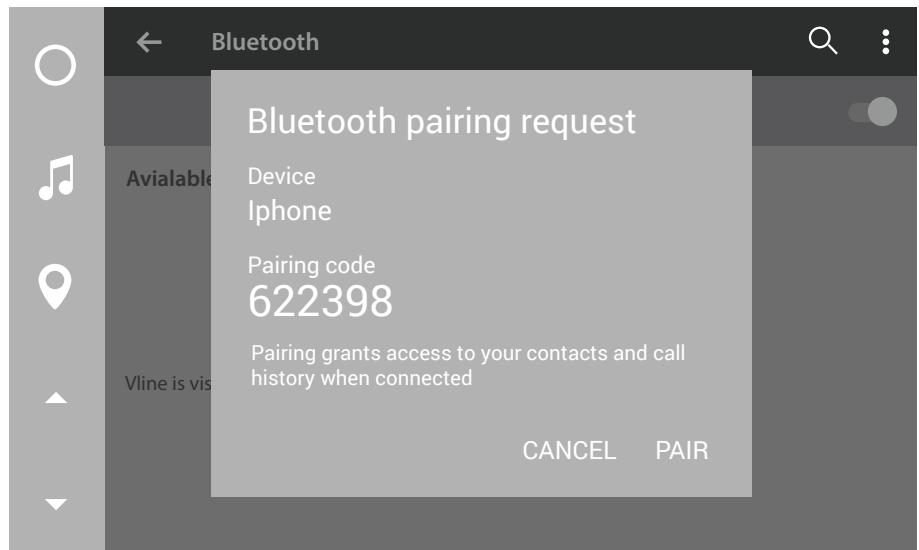
Select Settings->Bluetooth



Use your phone to find VLine device



Confirm PIN code on VLine and Phone



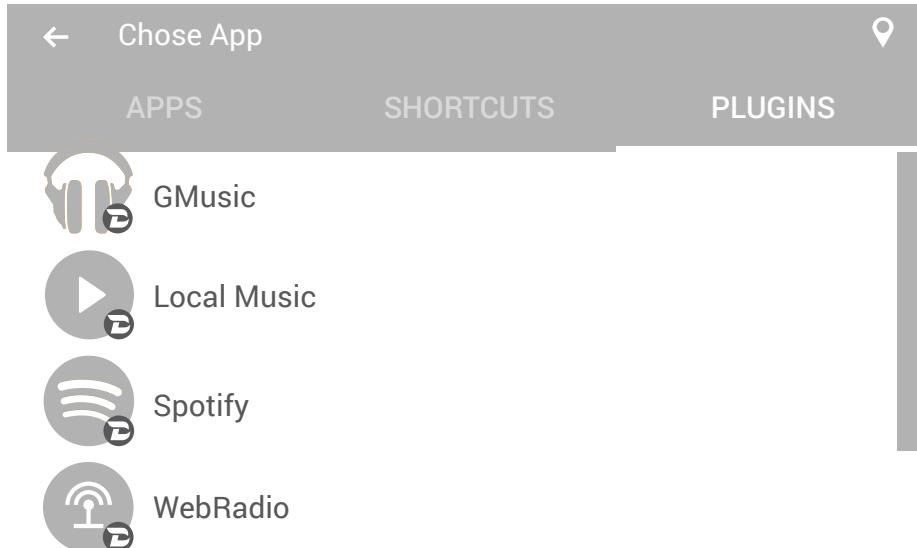
NOTE: Bluetooth Connection will allow for A2DP music streaming only

CHAPTER 3 — MEDIA PLUGINS

VLINE provides media plugins with an optimized interface with bold graphics and easy to press buttons for the vehicle environment. Most of these plugins require a Data connection to work besides Local Music and A2DP Stream

To add plugin onto the Home screen, select EMPTY “+” where you would like to place the icon.

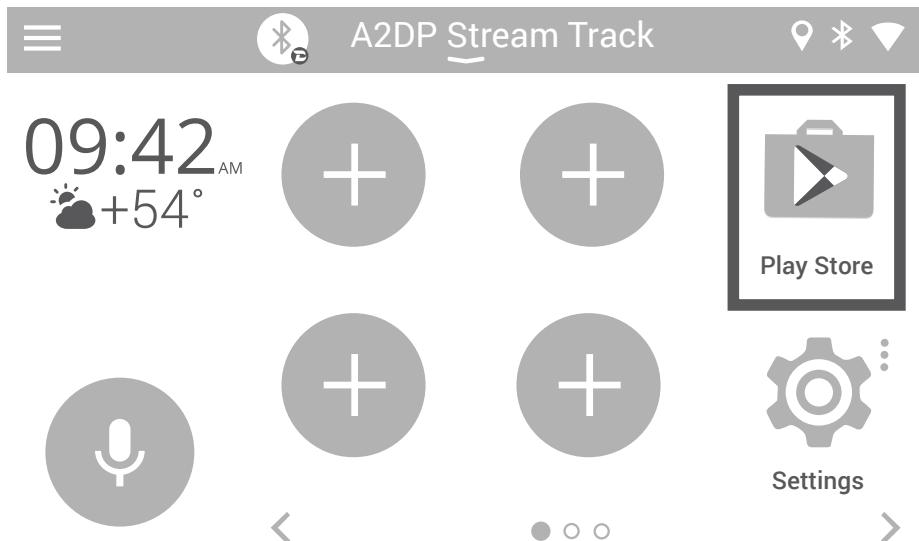
Then scroll to Plugins and selected desired plugin to add



A2DP Stream



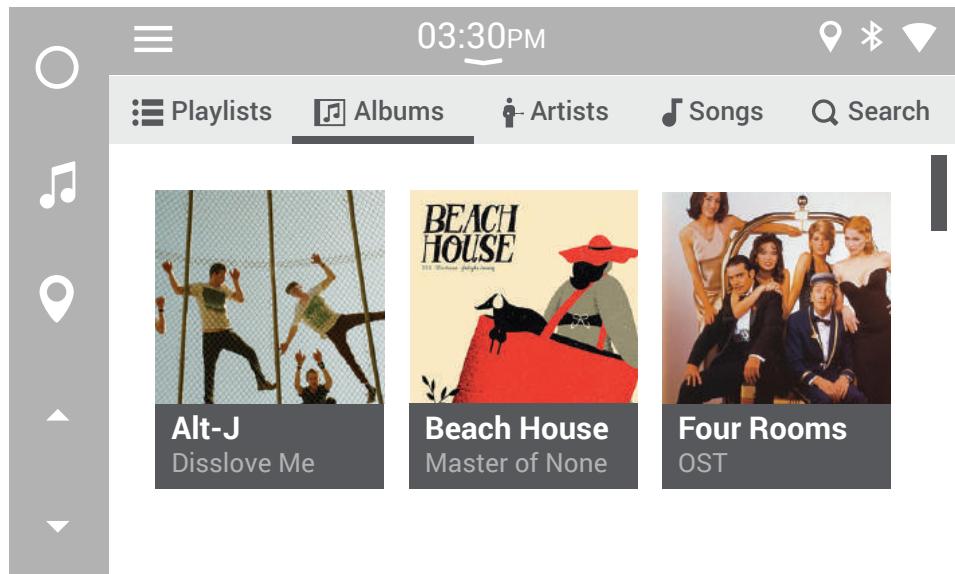
- Bluetooth Music streaming from a Bluetooth enabled device
- Grey icon means there is no Bluetooth connection from Phone to VLine
- Blue icon means Bluetooth device is connected and ready to stream audio. (Please refer to Bluetooth setup portion of manual)
- Song/artist info will display on screen
- Album artwork will display if VLINE is connected to WiFi data connection, (Please refer to WiFi setup portion of manual)



Google Music



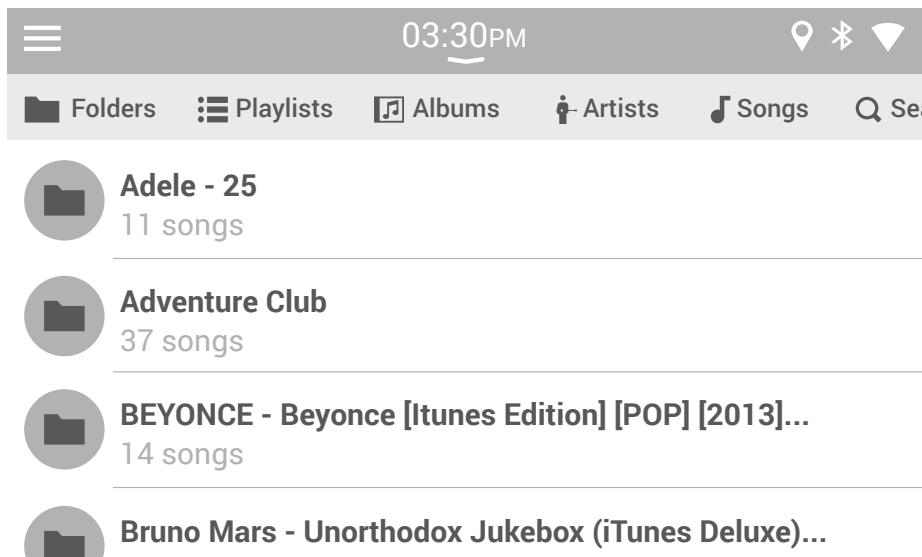
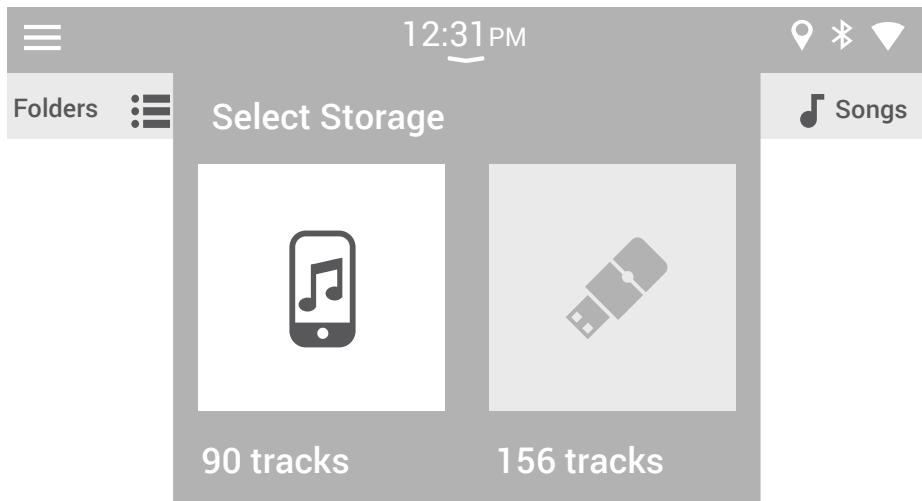
- Allows access to your Google Play music Purchased/ uploaded*
- Will require Gapps to be installed on VLINE (Please refer to Gapps Installation of manual)
- To use Gapps you must have a Google account and be signed into the account
- *Only Purchased music library and Uploaded media will work, unlimited subscription/radio music will not work



Local Music



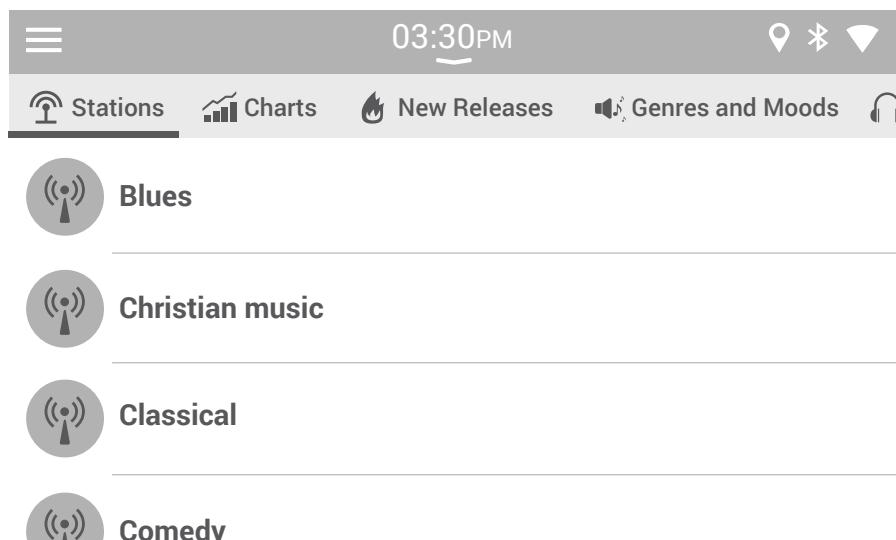
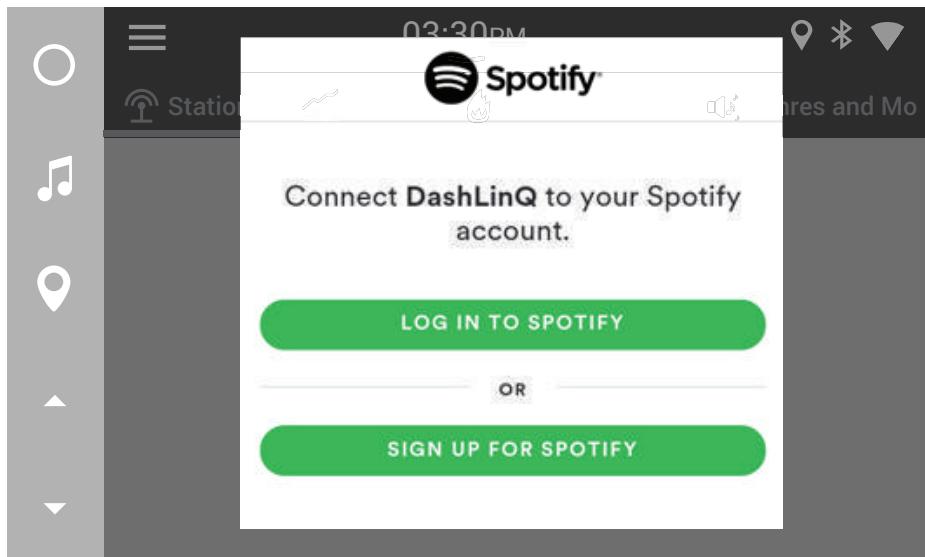
- Play music/audio stored on VLINE, USB drive or microSD card
- Plugin will read the music on selected storage and automatically organize music library by categories (Folder, Playlist, Album, Artist and Songs)
- Create Playlists from within the Plugin.



Spotify



- Millions of songs on Spotify.
- Play your favorites, discover new tracks, and build the perfect collection.
- Requires Spotify premium account and to be logged in (free Spotify account will not work with this plugin)



Web Radio



- Stream Radio stations from around the world as well as local radio stations
- Listen to 100,000+ live radio stations, plus on-demand content like podcasts & shows anywhere you go.
- Searchable Stations by Local, Trending, Music Genre, Sports, News, Location, and Language.
- Star your favorite radio stations so you can easily access next time
- Record what is currently playing and listen to it later without WiFi connection.

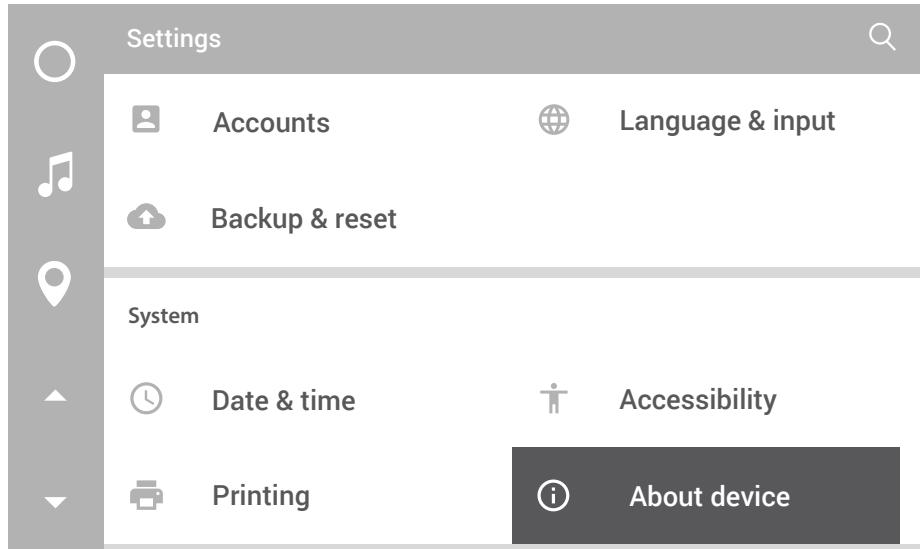
The screenshot shows a mobile application interface for a radio station. At the top, there is a grey header bar with the time '12:33pm' in the center. To the right of the time are icons for location, battery, and signal strength. Below the header is a navigation bar with five items: 'Stations' (underlined), 'Favorites', 'Recents', 'Records', and 'Search'. The main content area has a light grey background. It features three horizontal sections, each with a circular icon on the left and text to the right. The first section is 'Local Radio' with a folder icon. The second is 'Trending' with a folder icon. The third is 'Music' with a folder icon. At the bottom of the screen, there is a grey footer bar with the text '88.5 | KQED-FM (National News)' on the left and a large circular play button with a white triangle on the right.

CHAPTER 4 — VLINE OTA UPDATE

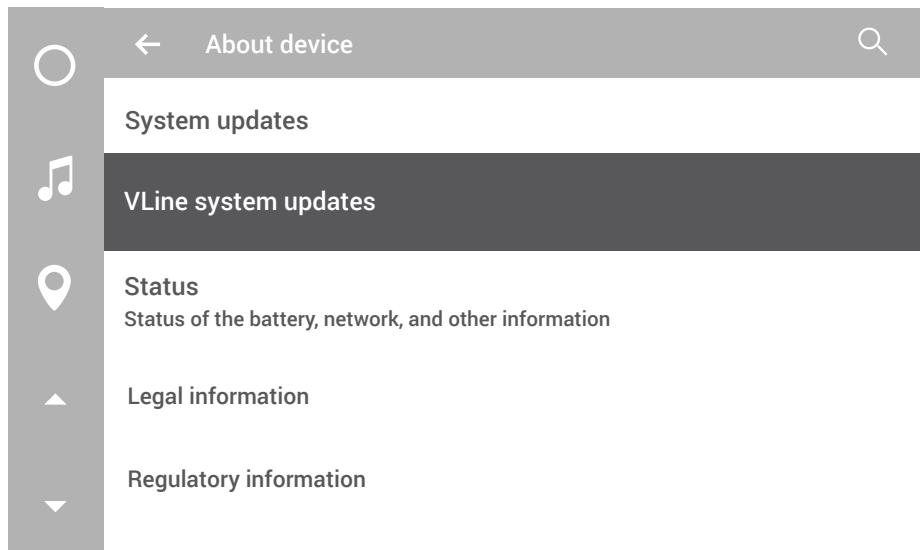
Periodically there will be Updates available for the VLINE to enhance features or to fix minor bugs.

NOTE: Make sure you are connected to a Wifi Connection before checking for update.

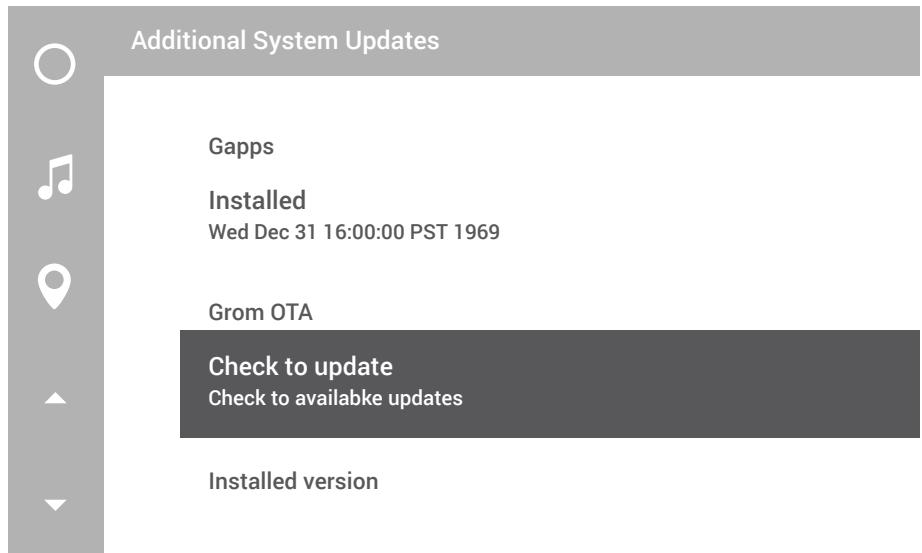
To install OTA updates go to “Settings->About Device”



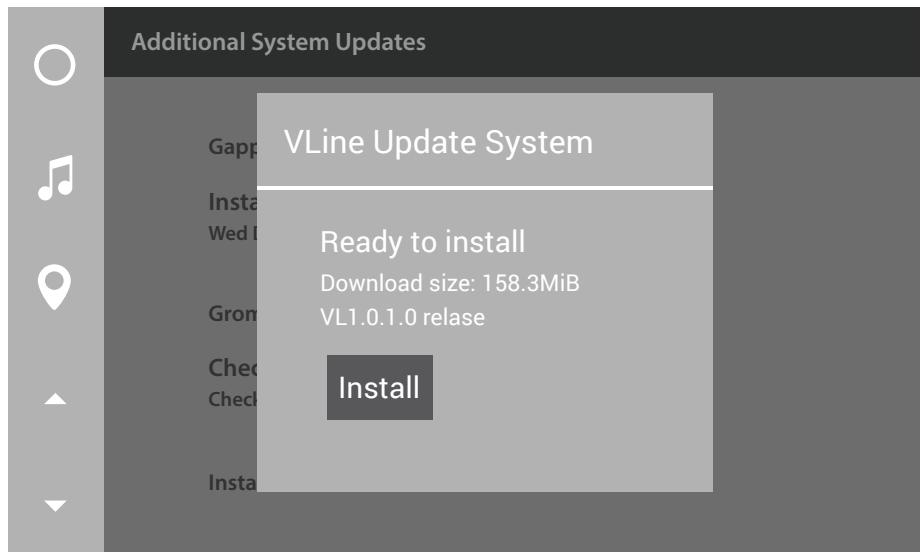
Select “VLINE System Updates”



Then select “Check for Updates”



If there is update available it will appear on screen to downloading



Wait for update to download and apply. The VLINE will restart during the process (this may take up to 10 minutes)

If System does not boot up within 15 minutes, Please turn off Ignition and wait 1 minute and then turn Ignition on again.

CHAPTER 5 — ADVANCED SETUP (OPTIONAL)

5.1 Installing Google Apps

Installing Google Apps will provide you with Google Play Services on the VLINE as well as add an option for Google Play Store App to download any application available. This is strictly optional to install but with it installed it will open up more functional for the VLINE module.

Please note with the Google Apps installed boot up time of VLINE will be longer due to additional Google play services and application that need to be loaded.

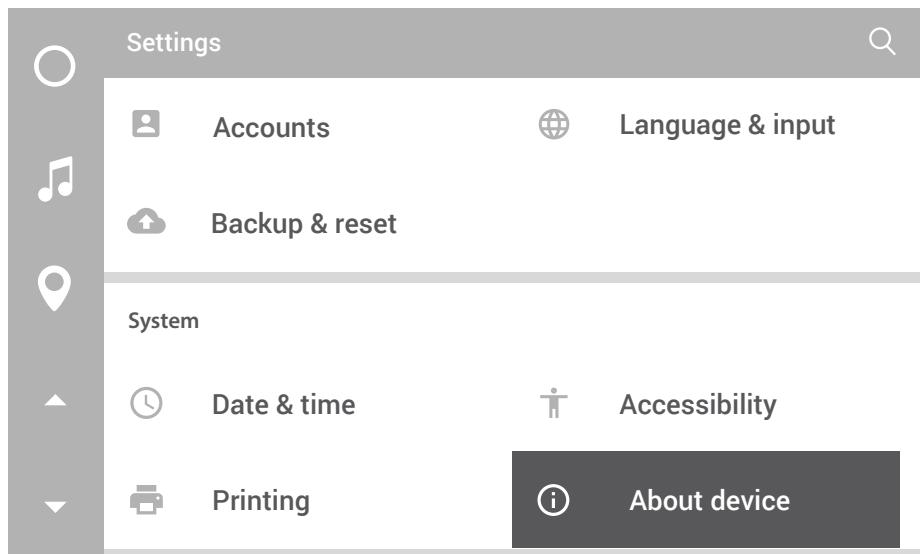
Typical Boot up time without Gapps installed is 15-30 seconds. With Google Apps installed it can take up to 1 minute or more too boot into VLINE Launcher screen.

To install the Gapps Package:

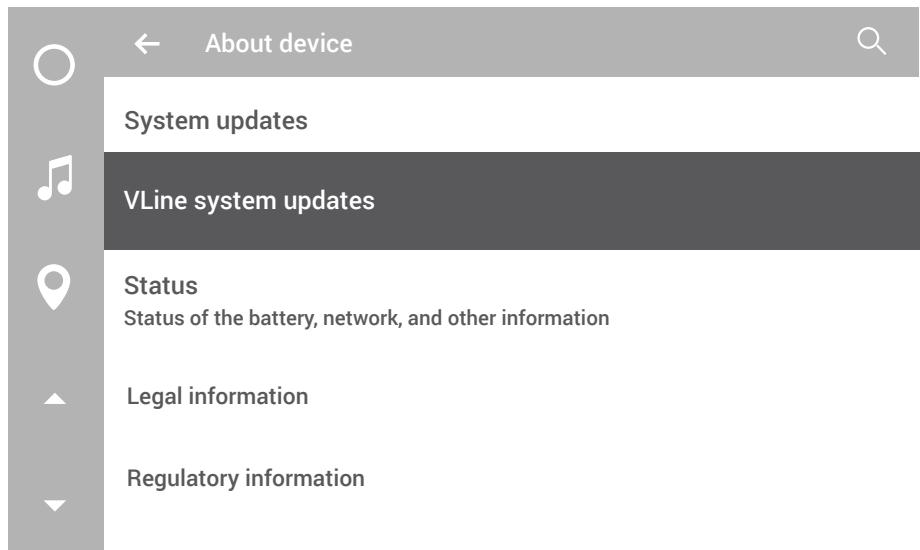
Go into Settings



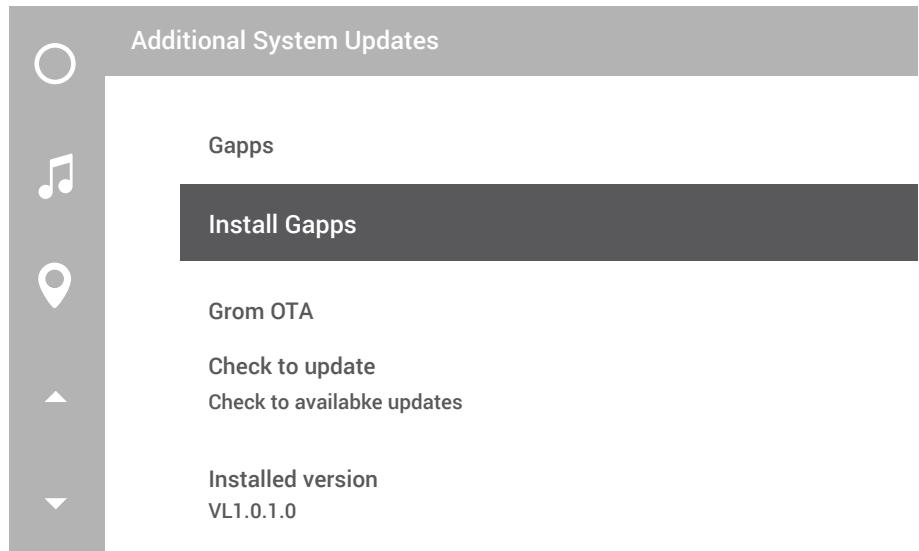
Scroll down all the way to the bottom and select "About Device"



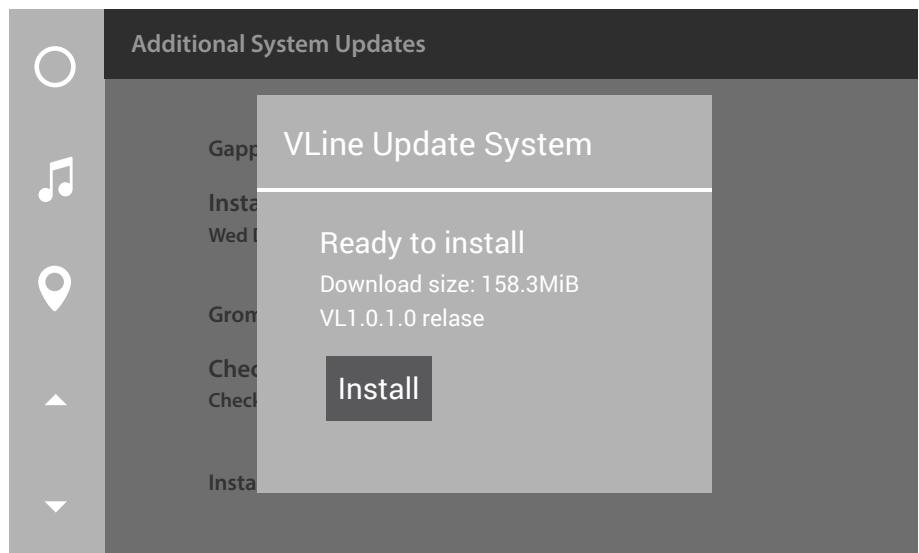
Then select "VLINE System Updates"



Select “Install GApps”



Press the “Install” button to apply update.

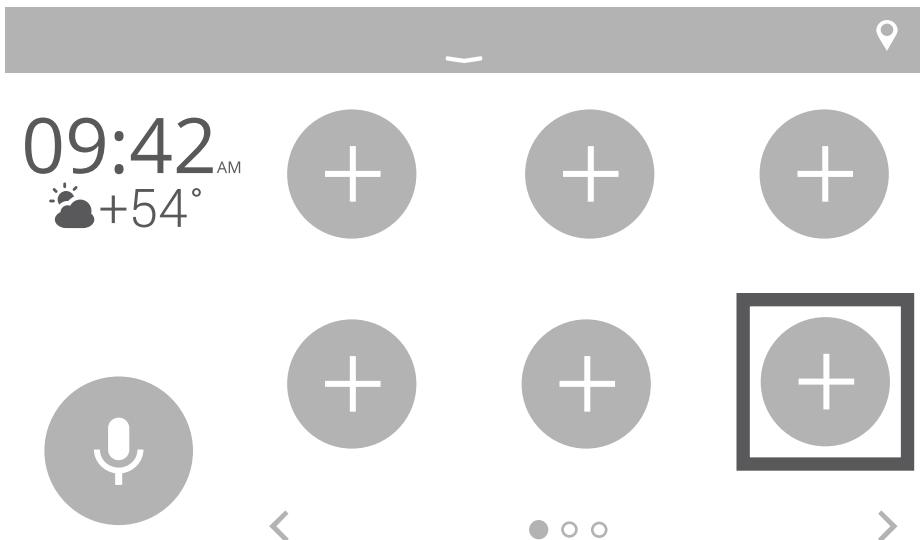


Wait for update to download and apply. The VLINE will restart during the process (this may take up to 10 minutes)

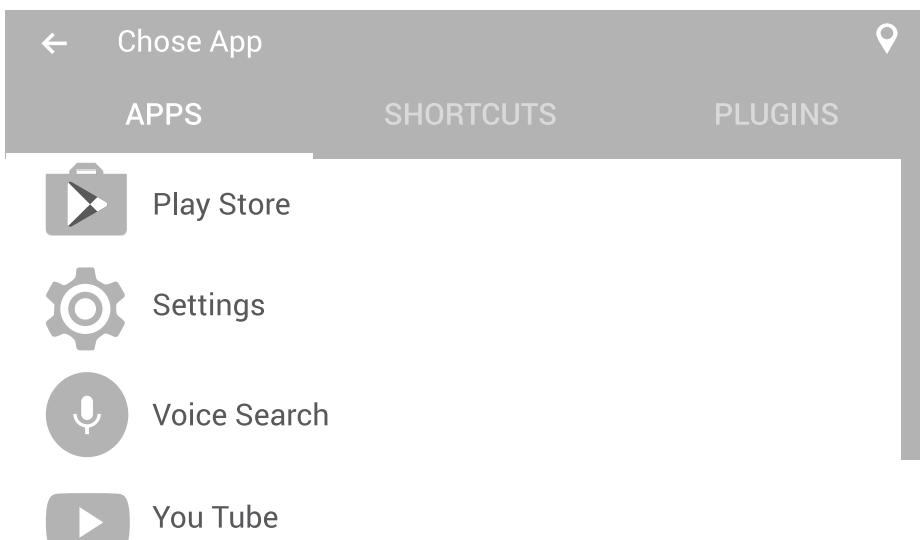
If System does not boot up within 15 minutes, Please turn off Ignition and wait 1 minute and then turn Ignition on again.

Adding Apps to Home Launcher

Select Empty Spot You Wish to Add Icon to

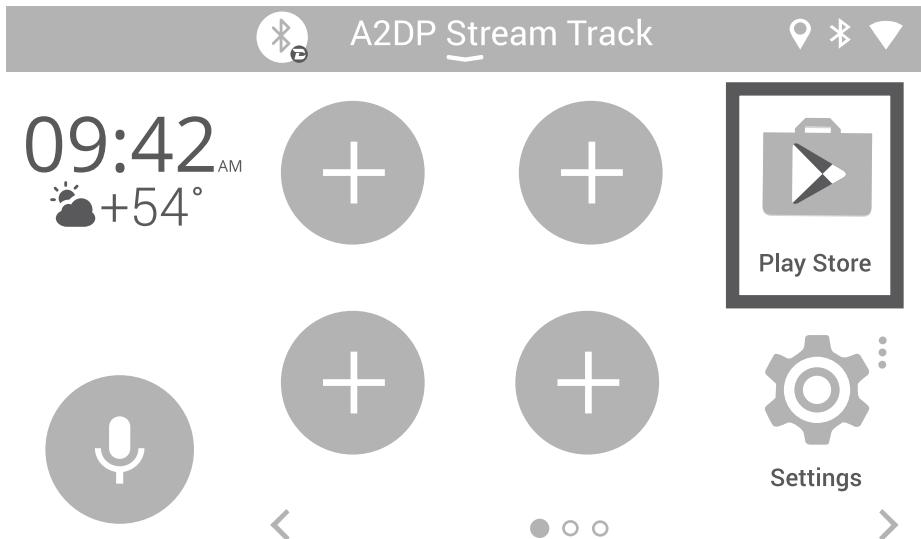


Select the Application/Shortcuts/Plugins you wish to add,
in this case the "Play Store" Application.

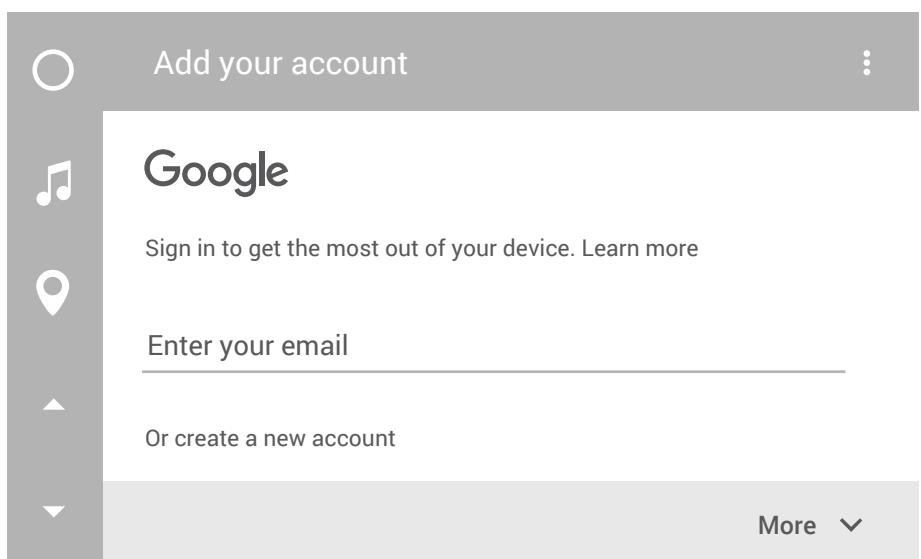


Signing onto Google Account

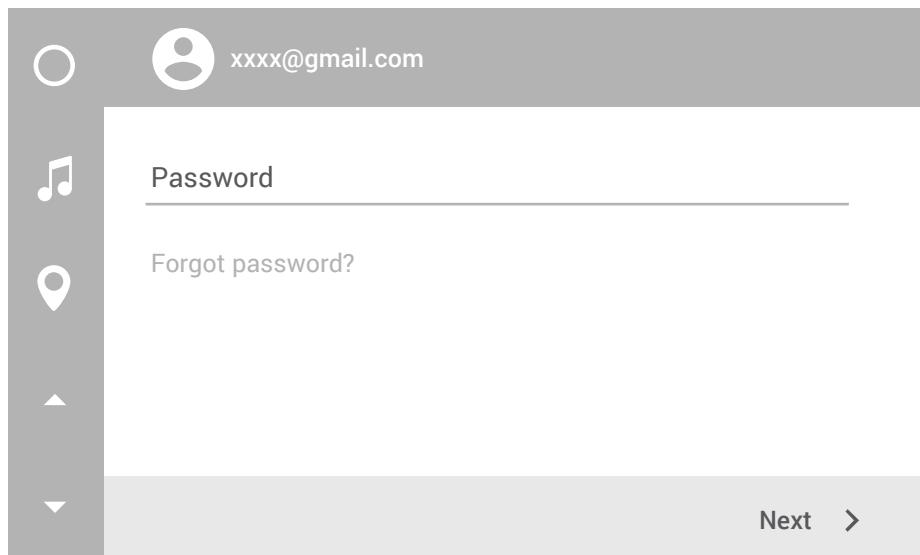
Select the Play Store Icon



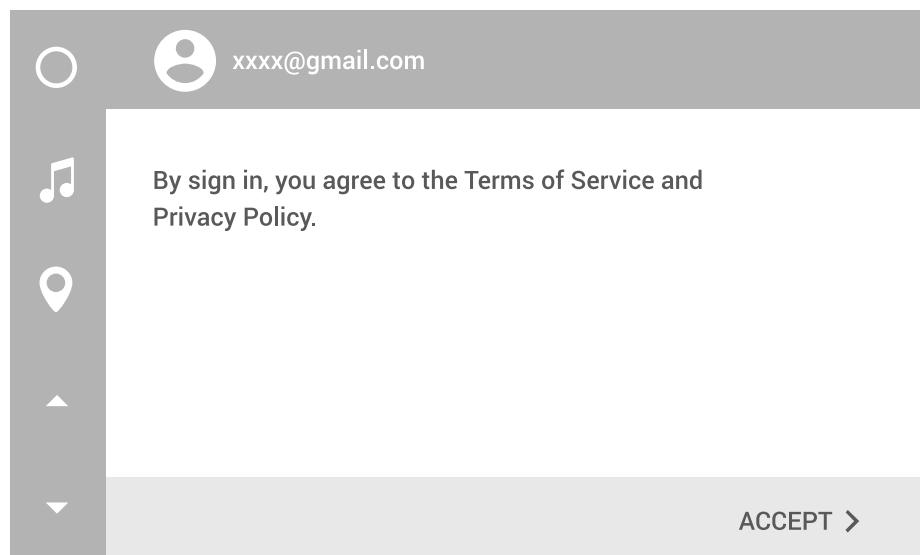
First time signing into the Google Play Store, you will be prompted to enter your Google (Gmail) account information.



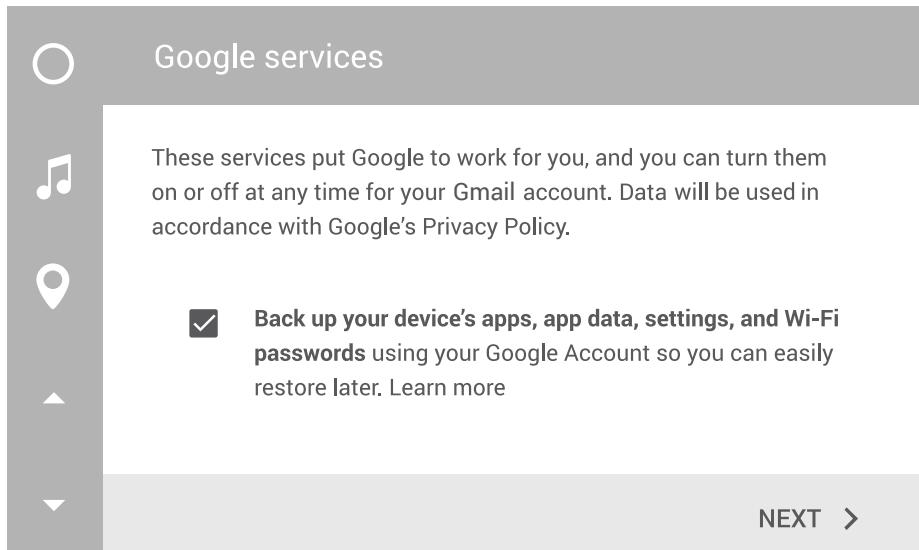
Enter in password for Gmail account



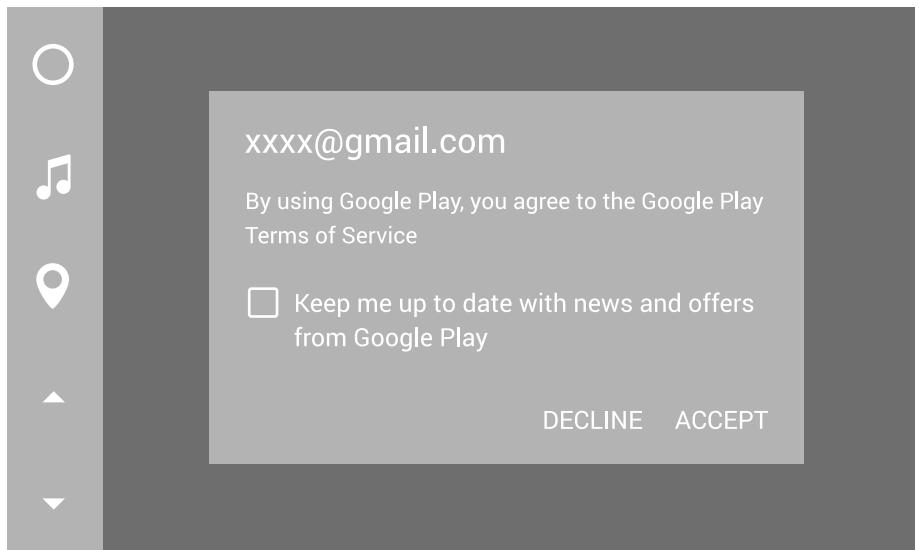
Confirm the onscreen Terms of Service and Privacy Policy prompts from Google



Select next on Google Services Prompt

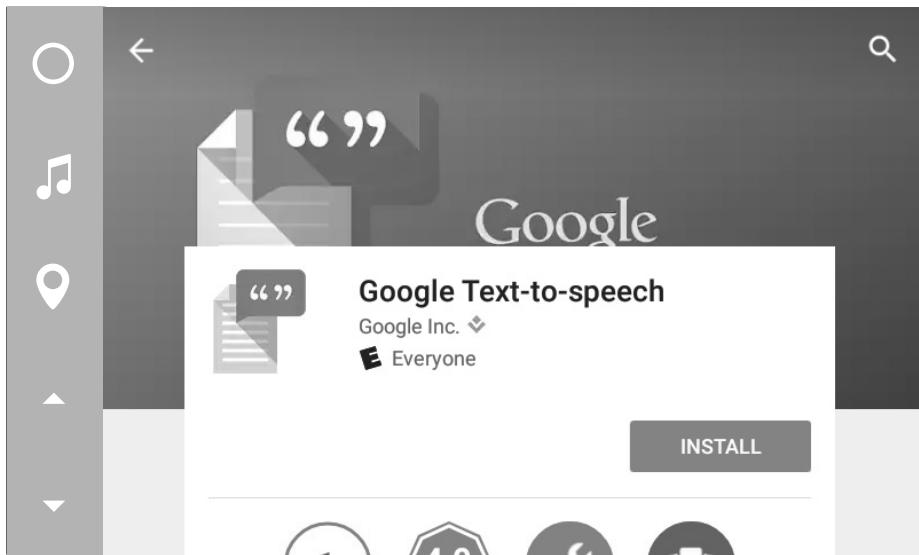


Confirm Google Play store agreement



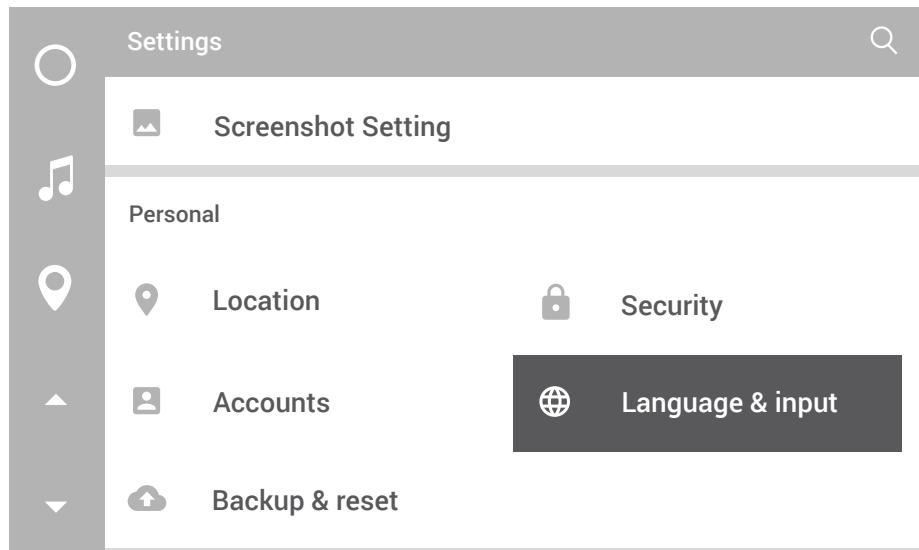
Changing Text-to-Speech Output

Once you have GApps installed, we recommend downloading and installing Application “Google Text-To-Speech” from the Google Play store to change the Voice Synthesizer to one that is more pleasing to listen to.

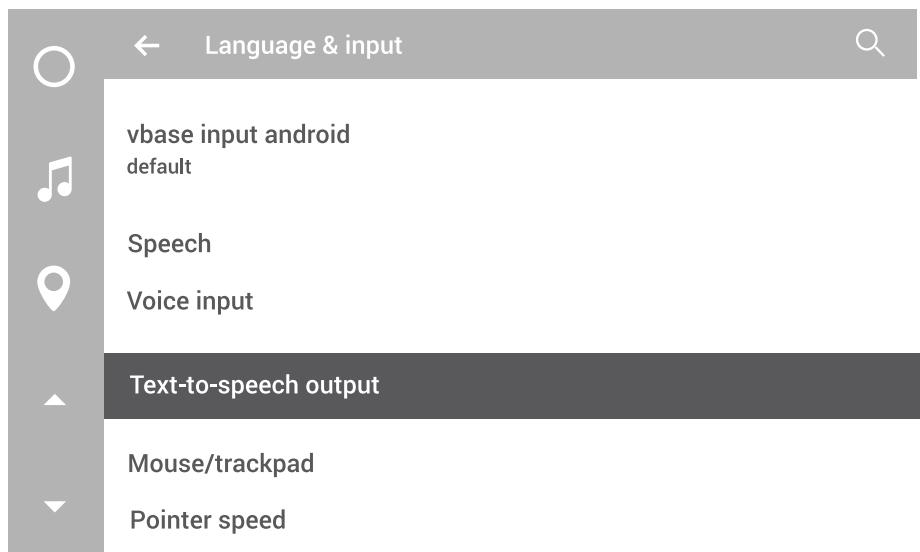


After installing “Google Text-To-Speech” from the Google Play store a change to in VLINE settings under “Language & Input/Text-to-Speed Output” will be necessary.

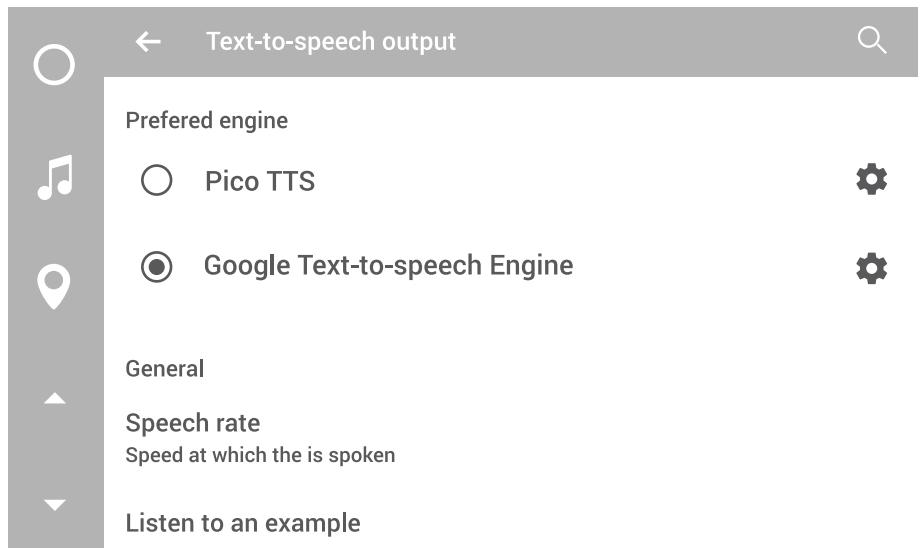
In settings, “Select Language & Input”



Select "Text-to-speech output"



Select "Google Text-to-Speech Engine" for Preferred Engine



A reboot of VLINE will be required before changes are reflected.

SUPPORT

For technical support please visit us at www.gromaudio.com/support.html and fill out the form. For live support, please go to www.gromaudio.com.

Please check our FAQ at www.gromaudio.com/support/faq.html, videos and installs at www.gromaudio.com/install/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.

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 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!

LEGAL AGREEMENT and SAFETY DISCLAIMER

GROM AUDIO VLINE Infotainment Upgrade System (hereinafter referred to as 'GROM PRODUCT') and its related software. THIS IS A LEGAL AGREEMENT

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