PN: UN1810

Stinger® HEIGH10®

PAC SRK-JK11H

INTEGRATED MULTIMEDIA DISPLAY FOR JEEP® WRANGLER JK/JKU

USER GUIDE



Works with Apple CarPlay

android auto

SiriusXM READY

Bluetooth®

HDMI® HIGH-DEFINITION MULTIMEDIA INTERFACE

WELCOME TO YOUR NEW

HEIGH10®

Enjoy the ride



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THE **CONTROLS**



Internal Microphone

Reset Button

Home Button
Access the Home Menu
Press and Hold to launch Navigation.
When iGo Navigation is present, it will have priority over phone based navigation.

Tune/Track Down Button
Media control Previous, Back, Seek
Press & hold function in select sources

Multifunction Knob
Press & Hold to Power On/Off
Turn to adjust Volume Up/Down
Press to Mute/Unmute

Tune/Track Up Button
Media control Next, Forward, Seek
Press & hold function in select sources

Voice Button
Launches voice control

GETTING **STARTED**



POWER **UP!**

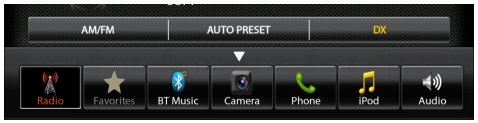
With the vehicle ignition in the ON or ACC position, Press and hold the knob for 2 seconds to power ON/OFF.

The source will automatically default to the last source used prior to powering down.

You can adjust the audio volume at start-up in **Sound Settings** on page 44.

The **Information Bar** is located at the top of the screen. Depending on the SOURCE, it will provide information or content-sensitive controls. It also displays temperature, time, phone info and may contain BACK ARROW and EXIT buttons.

Customizable **TABS** can be accessed by swiping the up arrow ▲ at the bottom of the screen. Tabs give direct access to sources/settings and can be customized as shown on Page 8.



The active Tab will be highlighted, and sources that are not available will be dimmed out. Once the Tabs are opened, they will auto-close after 5 seconds, or press the down arrow ▼ to close the tabs.

SELECTING A **SOURCE**

To select a source, press the **HOME** button.

The HOME MENU displays all Sources, along with Settings, Audio, Camera and Vehicle options.

SOURCES that are not currently available are dimmed out.



QUICK **TIP**

There are multiple ways to scroll...
Swiping Up/Down, Up/Down Arrows

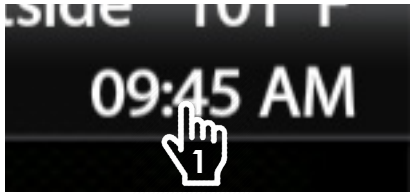


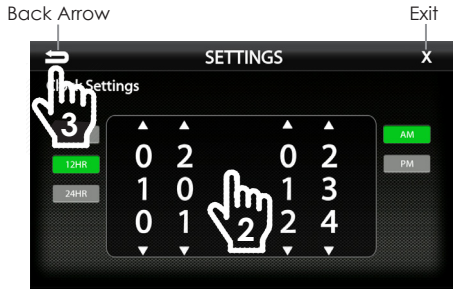
SETTING THE **TIME**

1) Touch and hold the Time Display on the Information Bar for 2 seconds to access the clock settings.

2) Swipe or click the arrows to set time and format.

3) Touch the **BACK ARROW** or **EXIT** to save and exit.





CUSTOMIZING THE **TABS**

HOME BUTTON > SETTINGS > TABS

The Tabs can be configured to provide quick access to your favorite sources or settings. The steps below show changing Favorites to Climate. Vehicle Info is another option to consider adding to the Tabs.

To Program a Tab:

1) Press the HOME button and select SETTINGS

2) From the SETTINGS menu, select TABS [1]

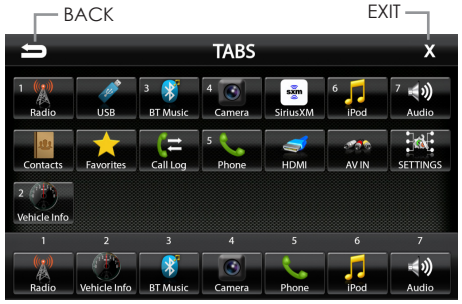


3) Select a Tab postition (1–7) on the bottom row. [2]

4) Select the desired source or setting from the options on the top rows. [3]



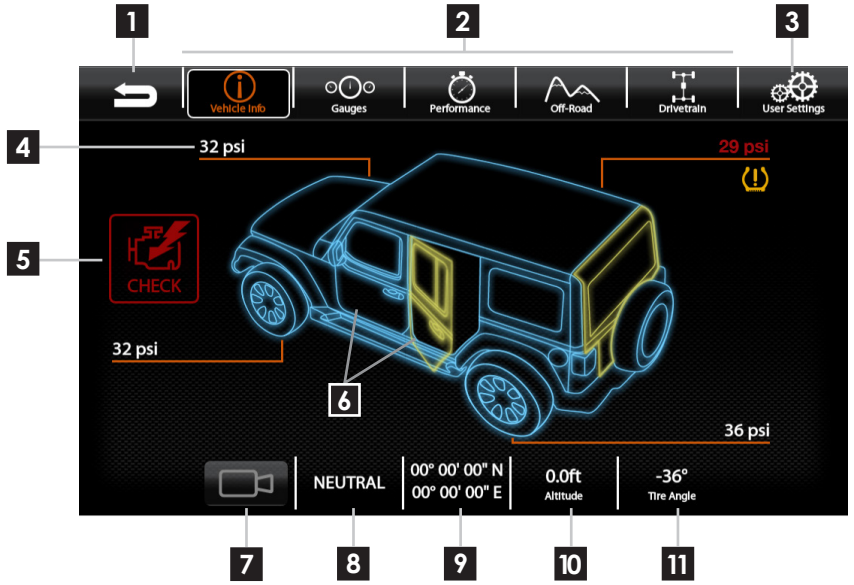
Now Favorites in position 2 is replaced with Vehicle Info. Continue customizing or touch EXIT (X) to return to current source or the BACK arrow to return to SETTINGS.



Vehicle **Info**

HOME BUTTON > Vehicle Info

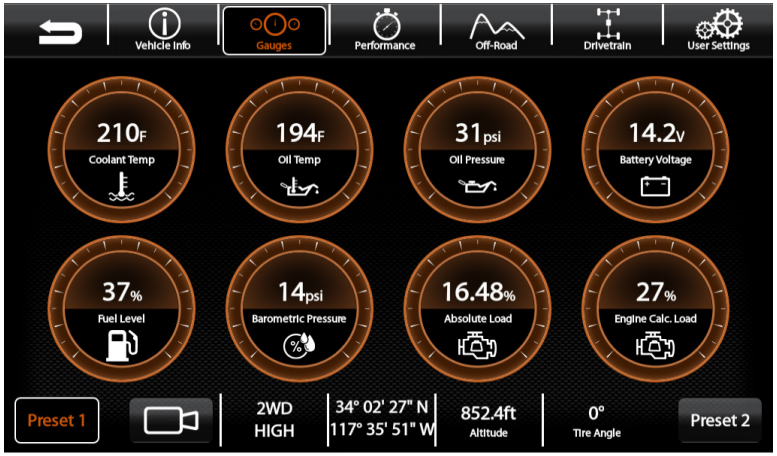
Selecting Vehicle Info from the HOME Menu or Tabs will display information and status for various vehicle systems.



1. **BACK** - Return to the previous screen.
2. **Vehicle Info Menu** - Provides access to various vehicle display modes. The current mode will be highlighted.
3. **User Settings** - Access tire pressure, camera and GPS options.
4. **Tire Pressure** - Provides tire pressure and low pressure warnings. Low pressure warnings can be customized in User Settings.
5. **Malfunction Indicator** - Displays current malfunction indicators. Touch the indicator for more information.
6. **Door Closed/Opened** - Indicates door, and rear gate status. (Removed doors show Closed)
7. **Camera** - Activates default camera. Default camera can be set in User Settings.
8. **Transfer Case Status** - Displays current transfer case position.
9. **GPS Coordinates** - Displays GPS information. Sensitivity can be adjusted in User Settings.
10. **Altitude** - Displays altitude above/ below sea level.
11. **Tire Angle** - Displays front tire angle.

Vehicle Info > **Gauges**

Selecting Gauges from the Vehicle Info Menu will display eight gauges that can be user defined and saved. Please note, gauge selection will vary with vehicle model year and equipment.



To Change the Gauge Type:
Lightly tapping any gauge cycles through the available gauge types.

Saving a Gauge Setup:
Press and hold either of the two Preset buttons in the bottom corners to save and later recall a gauge combination.

NOTE: To change the color of the gauges, see Illumination Page 37

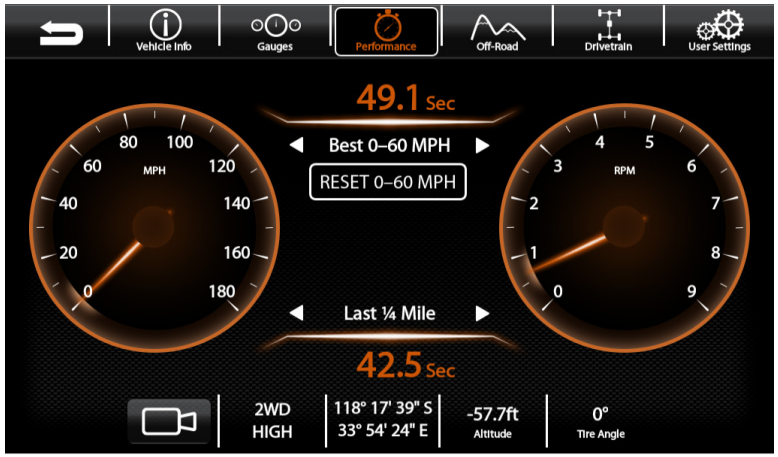
NOTE: To change the Units used for the gauges, see Vehicle Settings on Page 16.

Available Gauge Types*:
Engine Coolant Temp
Engine Intake Temp
Engine Absolute Load
Intake Manifold Pressure
Ignition Timing
Engine Runtime
Fuel Level
Barometric Pressure
Battery Voltage
Engine Calculated Load
Engine Oil Pressure
Engine Oil Temp
Transmission Temp

**Gauge selection will vary with vehicle model year and equipment.*

Vehicle Info > **Performance**

Selecting Performance from the Vehicle Info Menu will display a digital speedometer and tachomoter along with performance measurement options.



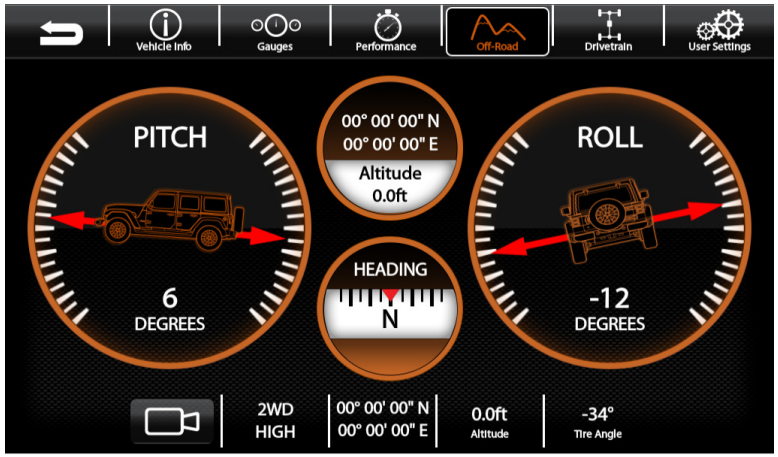
Best 0–60 MPH / Best ¼ Mile / Best 60–0
Whenever a performance measurement is achieved, the results will be displayed. Use the left and right arrows to recall Best measurements.

RESET
The RESET button will reset both Best and Last results.

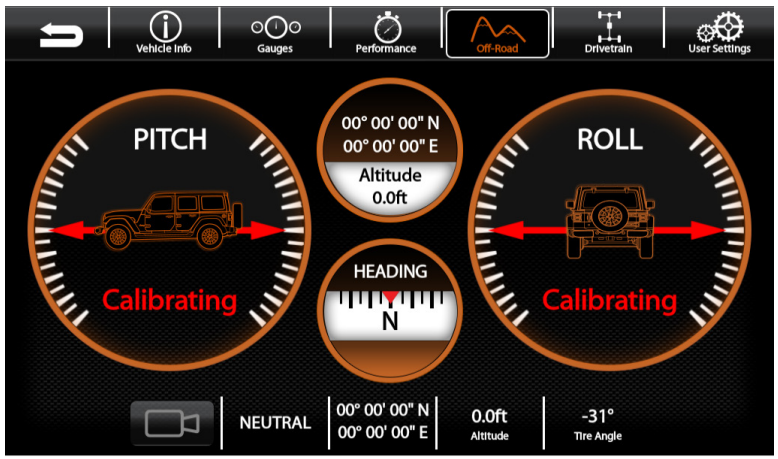
Last 0–60 MPH / Last ¼ Mile / Last 60–0
Use the left and right arrows to recall the Last measurement for each option.

Vehicle Info > **Off-Road**

Selecting Off-Road from the Vehicle Info Menu will display digital pitch and roll gauges along with the vehicle's GPS position, altitude and compass heading.

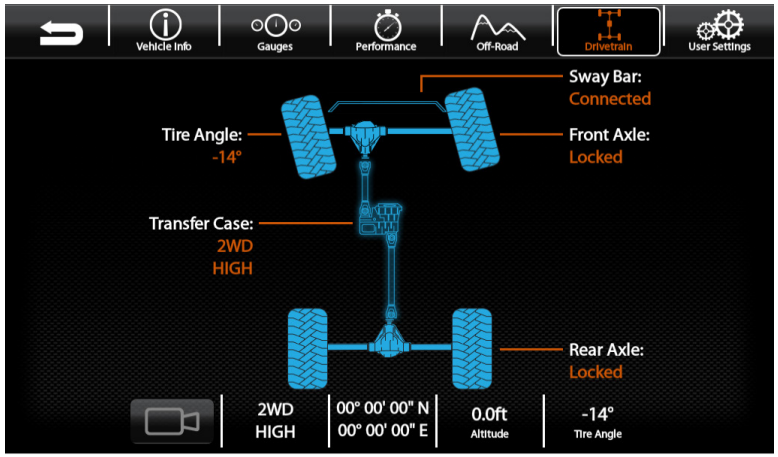


NOTE: When first installed, the pitch and roll will show Calibrating. After a period of driving, making left and right turns, the pitch and roll gauges will display in degrees. The gauges will continually update as you drive, increasing the accuracy of the gauges.



Vehicle Info > **Drivetrain**

Selecting Drivetrain from the Vehicle Info Menu will display a visual status for the transfer case, axles, sway bar and tire angle.



Vehicle Info > **User Settings**



1 **Low Tire Pressure Threshold [0–40 PSI]**
Sets the threshold, in PSI, for the low tire pressure warning shown on the Vehicle Info display.

Note: This does not change the factory low tire pressure warning shown in the instrument cluster.

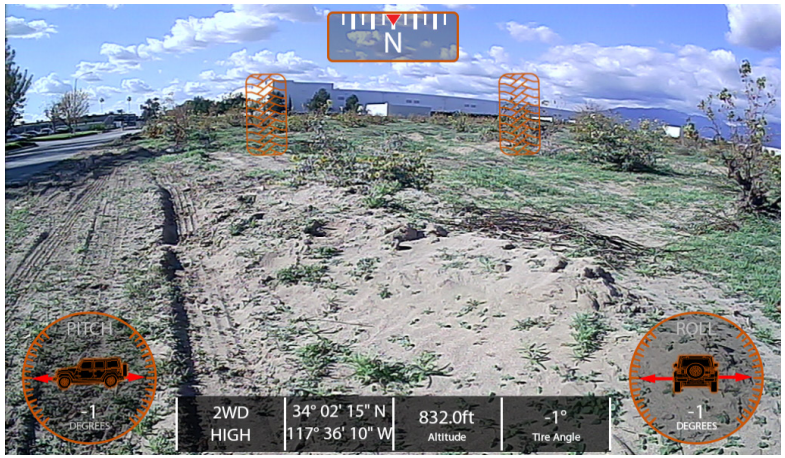
2 **GPS Precision [Normal-High]**
Sets the accuracy of the displayed GPS coordinates.

3 **Default Off-Road Camera**
Select which camera activates when pressing the camera button.

Vehicle Info > **Off-Road Camera**



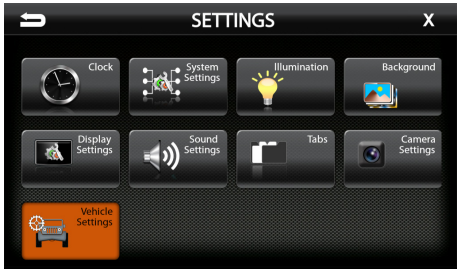
Selecting the Camera Icon from any of the Vehicle Info screens will display the default Off-Road Camera selected in the User Settings if installed. Along with the camera image, an overlay showing pitch, roll, tire angle and other information will be displayed.

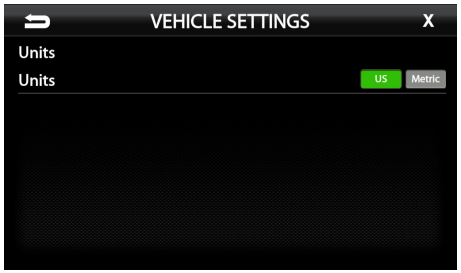


Vehicle **Settings**

HOME BUTTON > Settings > Vehicle Settings

Selecting Vehicle Settings allows changing the Units displayed in the Vehicle Info screens to US or Metric.





USB **Ports**

HOME BUTTON > USB

Depending on the installation, there will be one or two USB ports. If there is only one USB port, it will support all USB functions. If there is a second USB port, one will support all USB functions and the other will support media, charging and firmware updating only.

Primary USB1:

Apple CarPlay

Android Auto

USB Drive Media (Page: 29)

Charging

Firmware Updates

Secondary USB2:

USB Drive Media

Charging

Firmware Updates



If the vehicle was equipped with Uconnect and the PAC USB adapter is installed, the factory USB port inside the center console will be retained.



The PAC HDMI-USB adapter adds a USB and HDMI port.

AM/FM **RADIO**



Press the **HOME BUTTON > Radio** to select the Radio

1. **Station Presets** - To assign a preset, go to the desired station, and press and hold a preset location until the preset button highlights and station frequency appears. A total of 18 FM and 12 AM stations can be stored in memory.
2. **AM/FM** - Press to cycle through AM/FM presets (FM1-FM2-FM3-AM1-AM2)
3. **PTY Program Type** - Indicates radio station type.
4. **Tune/Seek Down** - Press and release to Tune Down. Press and hold to Seek the next available radio station.
5. **Station Display** - Displays current frequency.
6. **ST Indicator** - Indicates when the current radio station is in Stereo.
7. **Tune/Seek Up** - Press and release to Tune Up. Press and hold to Seek the next available radio station.
8. **Preset Bank** - Indicates current preset bank.
9. **RT Info**- Station/title/artist information.
10. **DX/LOC** - Changes the radio tuner sensitivity. Touch to toggle between Distant (DX) and Local (LOC).
11. **Auto Preset** - Touch to automatically set the 6 presets with current location radio stations.

Bluetooth **PHONE**



Press the **HOME BUTTON > Phone** to select the Phone

1. **Number Pad** - Touch to launch the number pad for dialing phone numbers.
2. **Speaker/Phone** - Switches phone calls between the car speakers and the phone handset.
3. **Clear** - Clear/delete last number entered.
4. **Call/Answer** - Dials the number entered on the phone or on the number pad. Answers an incoming call.
5. **End/Decline** - Press to end an active call or decline an incoming call.
6. **Device Info** - Displays the name of the currently paired device, signal strength and battery status.
7. **Favorites** - Customizable list of favorite contacts.
8. **Contacts** - List of contacts from the paired phone. Not supported by all phones.
9. **Settings** - List of devices and settings. Add or Delete devices.
10. **Call Log** - Recent Dialed, Received and Missed calls.

Bluetooth **PHONE**

Pairing a Device

1. Select **Settings** from the Phone main menu to go to BT Device Settings.
2. Select **Devices ▶** on the BT Device settings page.

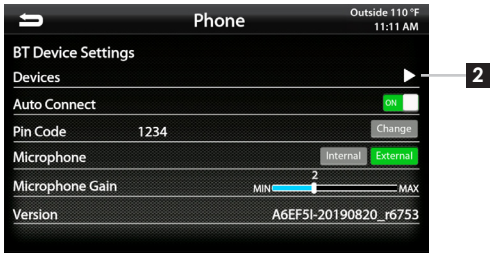
   Place your device in Discoverable Mode.
3. Select **ADD** on the Devices page.
4. Select your device from the list.

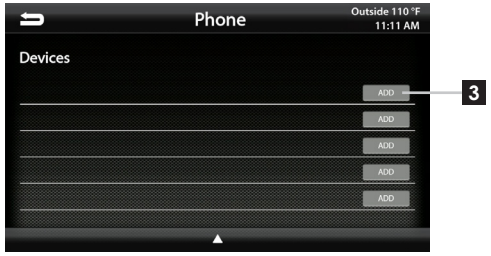
NOTE!

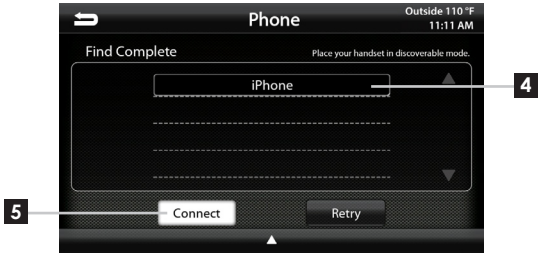
If your device does not appear in the device list, confirm it is discoverable and select Retry

5. Select **Connect** to initiate pairing.









6. Select **Pair** when prompted.

   Confirm the Key Code on device and select Pair on the device.

   If prompted, select Allow to share contacts.

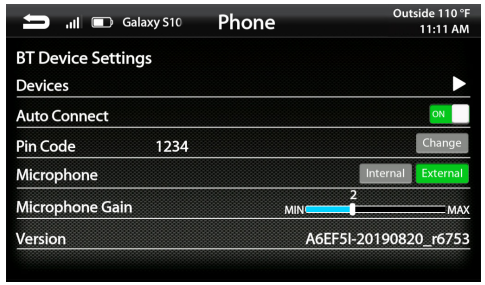


NOTE!

Once a device is paired, it will automatially connect whenever the system is turned on and the device is within range. To manually connect or connect to a different device, go to Phone > Settings > Devices

BT Device Settings

Once a device is paired and connected, settings can be set on the BT Device Settings page.



Devices ▶
Access list of all devices in memory. Connect/Add/Delete devices.

Auto Connect [ON/OFF]
Set to ON if you want the device to automatically connect when the system is turned on.

Pin Code [CHANGE]
Change the pin code for Bluetooth connection. The default pin code is "1234".

Microphone [Internal/External]
Set to External if external microphone is installed. Set to Internal to use the microphone located on the front of the display.

Microphone Gain [0–6]
Adjusts the volume (sensitivity) of the microphone when using hands-free phone.

Bluetooth **PHONE**

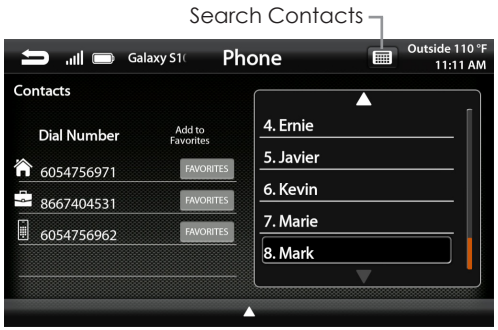
Contacts

While a device is paired, Contacts can be accessed by selecting Contacts from the Phone main menu. It may take several minutes to load all contacts. When a contact is selected from the list, all associated numbers (Home/Work/ Mobile) will be displayed on the left side of the screen. Touch the number you want to dial.

To add a contact number to the Favorites list, touch **FAVORITES** next to the contact phone number and it will be added to your Favorites list.

The Favorites list can be accessed from the Phone main menu.

To **Search** your contact list, select the keyboard icon on the Information Bar.





Call Log

The Call Log lists recently Dialed, Received and Missed calls. Touch the contact or phone number to dial a number.



Bluetooth **MUSIC**



Press the **HOME BUTTON > BT Music** to select the BT Music source

1. **Next Track/Program** - Touch to advance to the next track/program.
2. **Play/Pause** - Touch to play or pause the audio.
3. **Previous Track/Program** - Touch once to restart current track; touch again for previous track.
4. **Song/Program Information** - Displays information for the current track.

SiriusXM® Satelite Radio
(OPTIONAL)

Only SiriusXM brings you more of what you love to listen to, all in one place. Get over 140 channels, including commercial-free music plus the best sports, news, talk, comedy and entertainment. Welcome to the world of satellite radio.
A SiriusXM Vehicle Tuner and Subscription are required.
For more information, visit www.siriusxm.com

Activating your SiriusXM Subscription
After installing your SiriusXM Connect Vehicle Tuner and antenna, power on your radio and select SiriusXM mode. You should be able to hear the SiriusXM preview channel on Channel 1. If you cannot hear the preview channel, please check the installation instructions to make sure your SiriusXM Connect tuner is properly installed.

After you can hear the preview channel, tune to Channel 0 to find the Radio ID of your tuner. The Radio ID is also located on the bottom of the SiriusXM Connect Vehicle Tuner and its packaging. You will need this number to activate your subscription. Write the number down for reference.

Note: the SiriusXM Radio ID does not include the letters I, O, S or F.

In the USA, you can activate online or by calling SiriusXM Listener Care:
- Visit www.siriusxm.com/activatenow
- Call SiriusXM Listener Care at 1-866-635-2349

For Canadian Subscriptions, please contact:
- Visit www.siriusxm.ca/activatexm
- Call XM Customer Care at 1-877-438-9677

As part of the activation process, the SiriusXM satellites will send an activation message to your tuner. When your radio detects that the tuner has received the activation message, your radio will display: Subscription Updated. Once subscribed, you can tune to channels in your subscription plan. Please note that the activation process usually takes 10 to 15 minutes, but may take up to an hour. Your radio will need to be powered on and receiving the SiriusXM signal to receive the activation message.

SiriusXM Satelite Radio



Press the **HOME BUTTON > SiriusXM** to select the SiriusXM source.

1. **Channel Presets** - To assign a preset, go to the desired channel, press and hold a preset location until the preset button highlights and channel name appears. A total of 18 channels can be stored in memory.
2. **Channel Down/Up** - Touch to go to previous channel / advance to next channel. Touching and holding either button will rapidly browse through the channels.
3. **Signal Strength** - Displays tuner signal strength, 0-3 bars.
4. **Keypad** - Touch to display keypad for direct channel number entry.
5. **SiriusXM Info** - Displays current channel category, channel number and preset bank number.
6. **Channel Info -** Displays channel name, song/content info.
7. **Pause/Play** - Pause live broadcast/ Play stored audio.
8. **LIVE -** Select to return to live broadcast when listening to stored audio.
9. **Fast Forward/Track Up** - Move forward through stored audio.
10. **Rewind/Track Down** - Move backwards through stored audio.
11. **CAT** - Touch to display a list of channel Categories.
12. **CH** - Touch to display a list of available channels with channel information.
13. **BAND** - Press to cycle through SXM preset banks [SXM1-SXM2-SXM3]

SiriusXM Satelite Radio

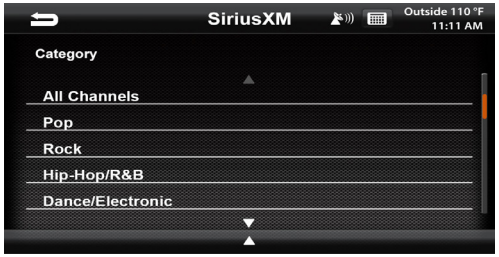
Channels [CH]

Displays a list of availble SiriusXM channels in numerical order. Swipe up/down to navigate and touch to select desired channel. Selecting Content Info, Artist or Song buttons will toggle the information displayed.



Categories [CAT]

Displays a list of channel categories. When a category is selected, a list of matching channels will display. Selecting All Channels will display all channels in numerical order.



Direct Tuning

Selecting the Keypad Icon on the Information Bar will launch a numeric keypad for direct channel number entry (See Page 28 for Parental Control function).



SiriusXM Satelite Radio

SiriusXM Replay™

Replay allows you to pause, rewind and replay up to 1 hour of live SiriusXM Satellite Radio.

Pressing Pause or Rewind while listening to a live broadcast will enable Replay mode.

The Replay Time Bar will appear when Replay is active.

When you reach the end of the stored audio buffer, you will return to the live broadcast. Or, touch the LIVE button in the Replay view to return to the live broadcast of the current channel.



1. Current Replay Point
2. Buffer Range (Light Blue line)
3. Replay Range
4. Time to Live

Replay Controls

Touch for Previous Song
Touch & Hold for Rewind

Play

Pause

Touch for Next Song
Touch & Hold for Fast Forward



SiriusXM Satelite Radio

Parental Control

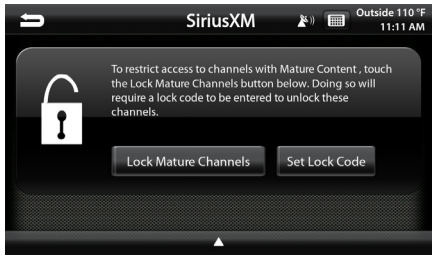
The SiriusXM Parental Control feature allows you to prevent access to inappropriate mature content for a younger listener. When enabled, the Parental Control feature requires you to enter a passscode to access the channels that are rated as Mature Channels.

By default, all channels are Unlocked and the Lock Code is **1234.**



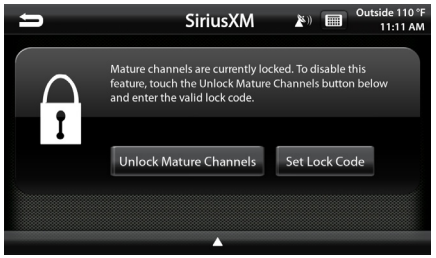
Lock Mature Channels:

1. Touch the Keyboard icon on the Information Bar.
2. Touch the Parental Control button.
3. Select Lock Mature Channels.
4. Enter 4 digit lock code.



Unlock Mature Channels:

1. Touch the Keyboard icon on the Information Bar.
2. Touch the Parental Control button.
3. Select Unlock Mature Channels.
4. Enter 4 digit lock code.



Set/Change Lock Code:

Select Set Lock Code, enter the old code and then enter the new code.

Reset Lock Code:

To reset the Lock Code to default code (1234), go to *System Settings > Load Defaults.* The reset process takes 5–7 minutes and will reset ALL saved settings to factory default.



USB **Media**

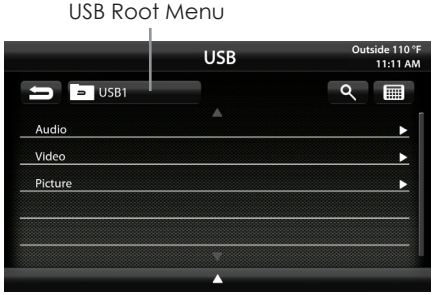


With a USB drive plugged in, press the **HOME BUTTON > USB** to select USB.

From the USB Root Menu, you can browse Audio, Video and Image files. See page 49 for a list of supported file types.

Touch to select a file to view/play.

1. **Previous Track** - Touch once to restart current track; touch again for Previous track.
2. **Play/Pause** - Touch to play or pause the audio.
3. **Next Track** - Touch to advance to the Next track.
4. **Browse** - Browse artist, album or songs.
5. **Keyboard** - Direct input song search
6. **Repeat** - Press once to repeat the current track (1); press again to repeat album/folder (F).
7. **Shuffle** - Plays tracks in random order.





Apple **CarPlay**®

Set up Apple CarPlay
You can use Apple CarPlay to get directions, make calls, send and receive text messages, and more.

You need an iPhone 5 or later to use Apple CarPlay. Also, make sure that you're in an area that supports Apple CarPlay and that Siri is on. To turn on Siri on your phone, go to Settings > Siri & Search.

With the your vehicle running, plug your iPhone into the Apple CarPlay USB port. Apple CarPlay will launch automatically.

If your iPhone is already plugged into the USB, press the **HOME BUTTON > Apple CarPlay** to launch Apple CarPlay.

NOTE: If Apple CarPlay will not launch, see Troubleshooting.

The display will show available apps. Only apps that are supported by Apple CarPlay will appear.

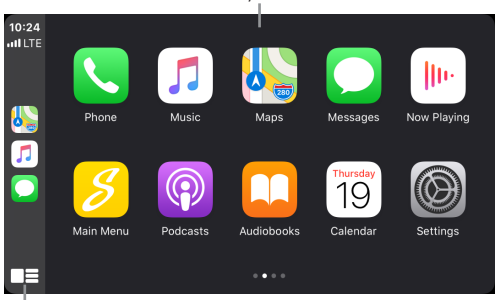
To add, remove, or customize the order that the apps are in, follow these steps on your iOS device:

1. Go to Settings > General, and tap CarPlay.
2. Select UN1810.
3. Select Customize.
4. Use the add or delete icons to add or remove apps. Tap and drag an app to change the icon order.

To exit Apple CarPlay, press the Stinger Main Menu icon.

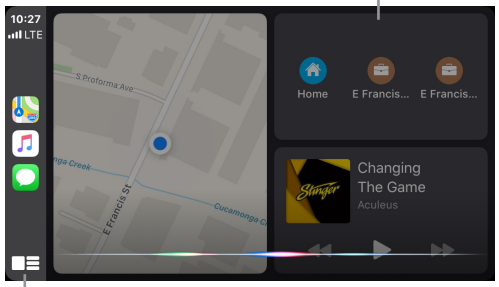
For details about Apple CarPlay, visit https://support.apple.com/en-us/HT205634

CarPlay Home



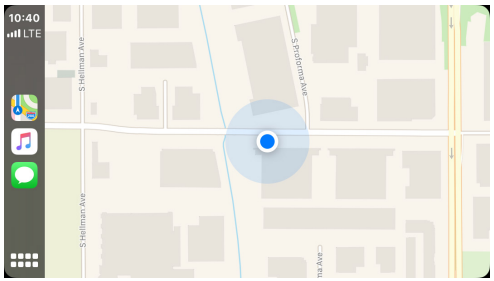
Toggle CarPlay Home / Dashboard

CarPlay Dashboard



Press & Hold for Siri

Ask Siri for what you need. Press the Voice Control button or the Home/ Dashboard button in Apple CarPlay until Siri appears on the display, then say what you need.



Android **Auto**™

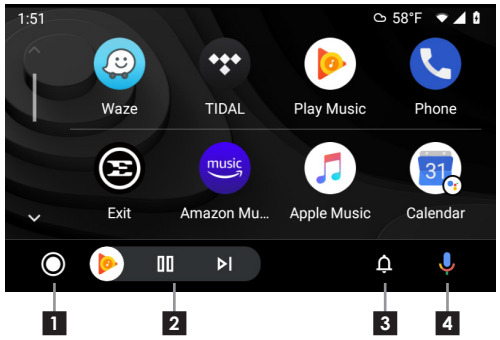
Set up Andriod Auto
Make sure your phone is running Android 5.0 (Lollipop) or later. Download the Android Auto app from Google Play on your device. Once the app is installed, open the app and follow the setup steps.

Connect your phone
Before you connect your phone for the first time, turn on your car. Make sure it's in park (P) and that you have time to set up Android Auto.
1. Unlock your phone's screen.
2. Connect your phone using a USB cable.
3. Your phone might ask you to download or update certain apps, like Google Maps.
4. Review the Safety Information and Android Auto permissions to access your apps.
5. Turn on notifications for Android Auto. For the best experience, we recommend accepting all requests.

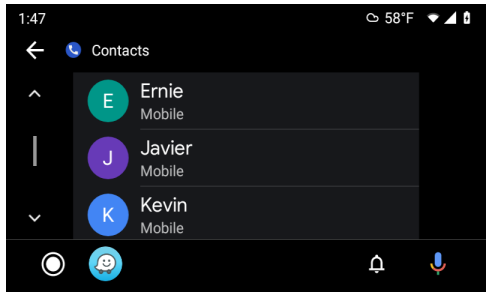
Your phone's Bluetooth will be turned on automatically when Android Auto is connected to the car via USB.

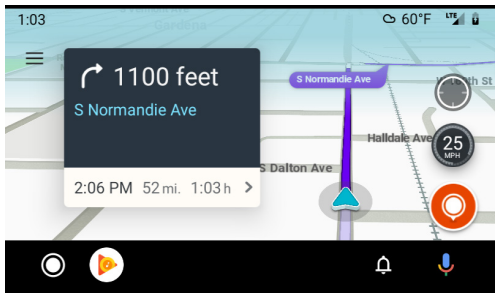
To exit Android Auto, touch the Exit icon.

For details about AndroidAuto, visit https://www.android.com/auto/



1 Home Button
2 Audio Controls
3 Notifications
4 Voice Command





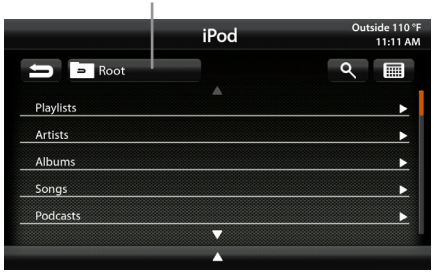
iPod®



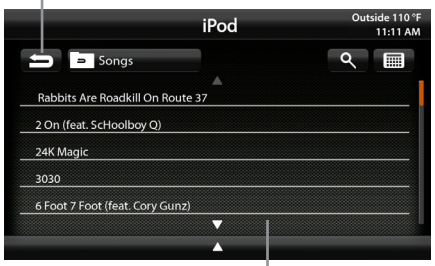
Press **MENU > iPod** to select iPod as the source.

1. **Previous Track** - Touch once to restart current track; touch again for Previous track.
2. **Play/Pause** - Touch to play or pause the audio.
3. **Next Track** - Touch to advance to the Next track.
4. **Browse** - Browse artist, album or songs.
5. **Keyboard** - Direct input song search.
6. **Repeat** - Press once to repeat the current track (1); press again to repeat album/folder.
7. **Shuffle** - Plays tracks in random order.

iPod Root Menu



Return to Track Detail View



Browse and Select by Artists, Albums, Playlists, Songs...

HDMI **INPUT**

Press the **HOME BUTTON > HDMI** to switch to the HDMI input.

The HDMI input can be used for an external DVD player, streaming sticks, media players and smartphone mirroring.

You can only view HDMI content with the vehicle in Park and the parking brake ON.

When viewing HDMI content, the Information Bar will auto-hide. To access the Information Bar, touch anywhere on the screen.



AV **IN**

Press the **HOME BUTTON > AV IN** to switch to the AV input.

You can only view the AV input with the vehicle in Park and the parking brake ON.

When viewing the AV IN, the Information Bar will auto-hide. To access the Information Bar, touch anywhere on the screen.



WARNING!

A driver is prohibited by law from viewing a video signal on any in-dash monitor while the vehicle is in motion.

CAMERAS

In addition to the rear camera input, HEIGH10 can support up to three additional cameras. To access any installed camera, press the **HOME BUTTON > Cameras**

When a camera is first activated, there will be menu bars at the top and bottom of the display. The top menu bar contains the BACK arrow to return to the previous screen, and the Off-Road button will display the camera image along with the off-road gauges and information (FIG. A). Selecting the Camera Settings button will open up the Camera Settings menu (FIG. B).

The bottom menu bar displays available cameras. Touch any available camera to switch camera views.

NOTE The top and bottom menu bars will auto-hide after five seconds, and tapping the screen will re-display the menu bars.

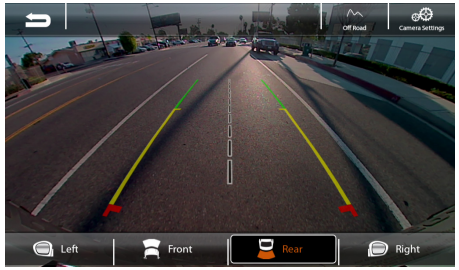




FIG. A

Camera Settings
The Camera Settings page displays all enabled cameras. Cameras can be shut off using the Trigger selection.

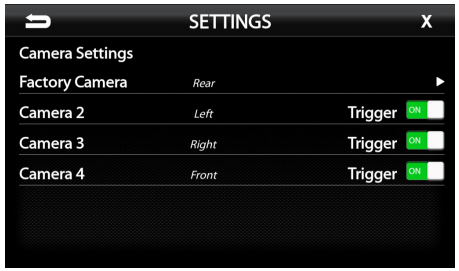


FIG. B

iGO NAVIGATION
(OPTIONAL)

To access the optional Navigation, press the **HOME BUTTON > Navigation**

The User Manual for iGO Navigation can be found on StingerElectronics.com

To add navigation, ask your dealer about Stinger's pre-loaded iGO Navigation SD Card (Part Number: SE-P14).



DISPLAY OFF

Press the **HOME BUTTON > Display Off** or Screen Off on the factory controls to turn off the LCD display.

This is useful at night to prevent eye fatigue.

Tap anywhere on the screen to return to the regular display.

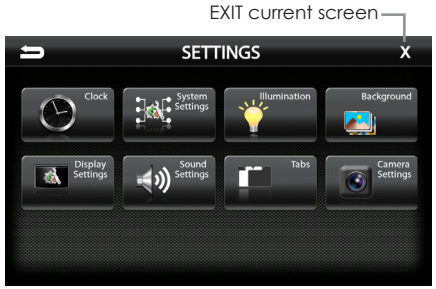


SETTINGS

SETTINGS

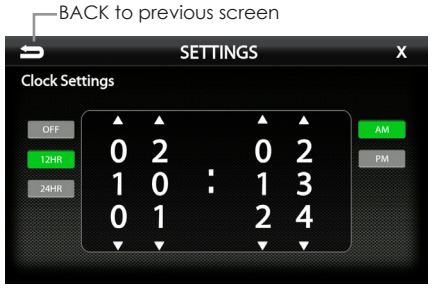
Press the **HOME BUTTON > Settings** to access the Settings main menu.

Clock
System Settings
Illumination
Background
Display Settings
Sound Settings
Tabs
Camera Settings



Settings > Clock

Clock Settings [OFF-12HR-24HR]
Select time format. Swipe or click arrows to set the time.



Settings > System Settings

Beep [OFF-LOW-MED-HIGH]
Sets volume of confirmation beeps.

Language [ENGLISH-FRENCH-SPANISH]
Set display language

Apple CarPlay [See Page 37]

Android Auto [See Page 37]

Load Defaults [RESET]
Selecting Reset will reset all settings to factory defaults. This process takes 5-7 minutes and system must NOT be shut down during the reset.

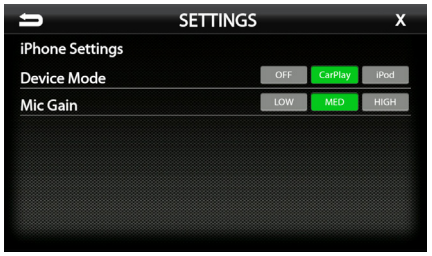
Installer Settings [ENTER]
See Installation Guide or Firmware Update Instructions for more information.



Settings > System Settings > Apple CarPlay

Device Mode [OFF-CarPlay-iPod]
Determines how iPhone will be used when plugged into USB port. OFF is charging only.

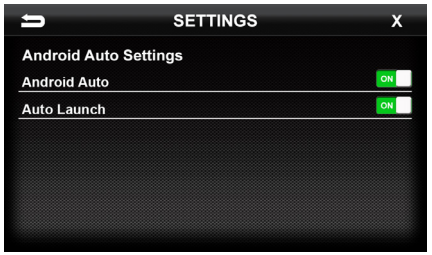
Mic Gain [LOW-MED-HIGH]
Sets microphone gain (sensitivity) when using Apple CarPlay.



Settings > System Settings > Android Auto

Android Auto [ON-OFF]
Set to OFF for charging only with Android devices.

Auto Launch [ON-OFF]
When set to ON, Android Auto will automatically launch when a compatible Android device is plugged into USB port.



Settings > Illumination

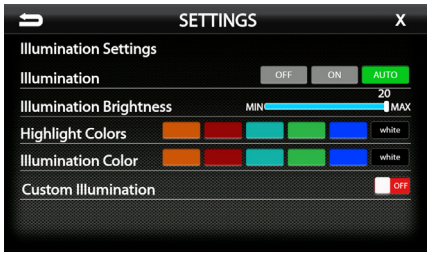
Illumination[OFF-ON-AUTO]
Turn button illumination ON/OFF. Set to AUTO for buttons to illuminate only when vehicle lights are on.

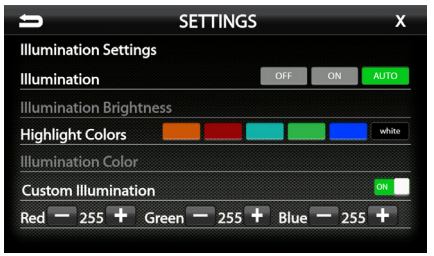
Ilumination Brightness[0-20]
Set brightness of button illumination.

Highlight Colors
[AMBER-RED-AQUA-GREEN-BLUE-WHITE]
Set on-screen highlight color.

Illumination Color
[AMBER-RED-AQUA-GREEN-BLUE-WHITE]
Set button illumination color.

Custom Illumination [OFF-ON]
When Custom Illumination is set to ON, it allows custom illumination color based on RGB values.



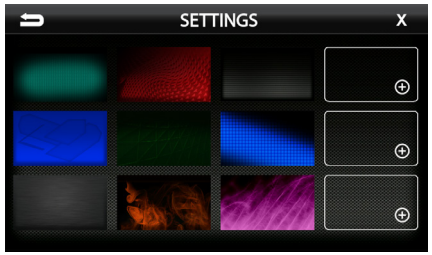


SETTINGS

SETTINGS

Settings > Background

Allows you to change the background image. Touch image thumbnail to select. You can upload up to 3 of your own images. To upload an image(s), copy images onto a USB thumb drive and connect the drive to one of the USB ports. Touch the ⊕ symbol and select a file. Images should be JPG or PNG file format and 1024x600 resolution

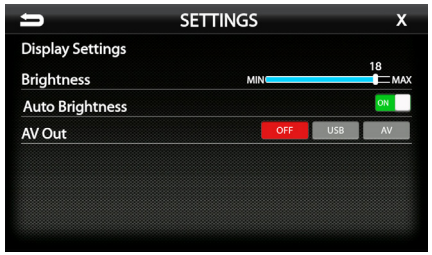


Settings > Display Settings

Brightness [0–20]
Adjusts Day and Night brightness of the LCD display. To adjust Night brightness level, turn on vehicle's lights and then adjust brightness.

Auto Brightness [ON-OFF]
When set to ON, the display screen will automatically dim when vehicle's lights are turned on.

AV [OFF-USB-AV]
Determines which source is routed to the AV outputs.



Settings > Tabs

The Tabs are customizable and can be configured to include favorite sources or settings.

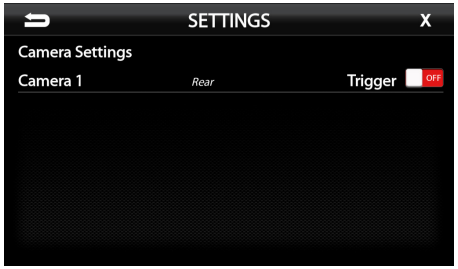
To Program a Tab:
1) Select a Tab postition (1–7) on the bottom row.
2) Select the desired source or setting from the options on the top rows.

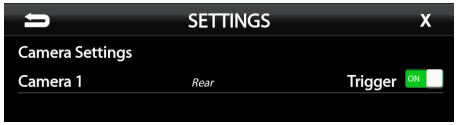


Settings > Camera Settings

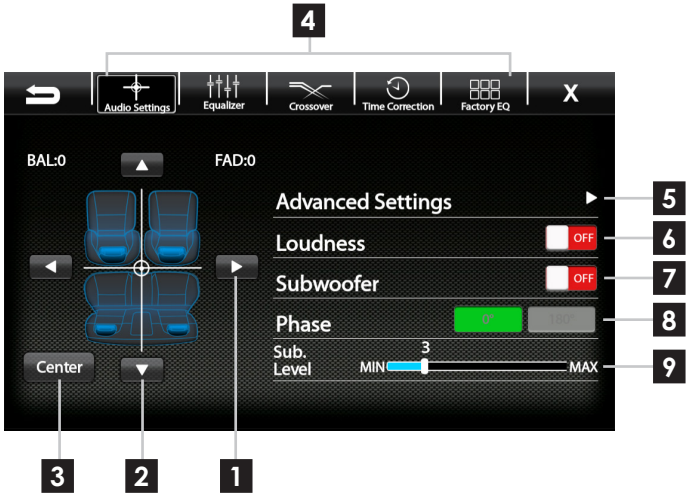
The Camera Settings screen lists all installed cameras and allows the camera triggers to be turned on and off.

NOTE: The default initial camera setting is Camera 1 > Rear > Trigger OFF. If a Rear camera has been installed, the Trigger needs to be switched to ON to enable the camera to automatically turn on when vehicle is placed in reverse.





SOUND **SETTINGS**



Settings > Sound Settings

1. Balance [-9 - 0 - 9]
   Using the Left and Right arrows, adjusts the speaker balance Left/Right.
2. Fader [-9 - 0 - 9]
   Using the Up and Down arrows fades the speakers Front/Rear.
3. Center
   Press to set balance and fade to zero (0).
4. Audio Menu Bar
   Access to Equalizers, Crossovers and Time Correction.
5. Advanced Settings
   Access to gain/volume settings, Toslink, and microphone settings. (See page 44).
6. Loudness [ON-OFF]
   When ON, boosts low and high frequencies when listening at lower volume.
7. Subwoofer [ON-OFF]
   Turns subwoofer output ON/OFF.
8. Phase [0°-180°]
   Changes thephase of subwoofer signal.
9. Sub Level [0-15]
   Adjusts volume level of the subwoofer output.

SOUND **SETTINGS**

Sound Settings > Equalizer

Selecting Equalizer from the Audio Menu Bar will bring up the 15 band graphic equalizer and presets. Frequency adjustments can be made by touching and sliding the frequency sliders up/down. Once the desired sound is acheived, it can be saved as a Preset.



Saving EQ Settings

There are 6 user Presets that can be used to save EQ settings. This is usefull for having EQ settings for differnet types of music and volume levels or for different sources.

When you are done adjusting the EQ, touch and hold a Preset location to save the settings. The Preset will highlight.



Sound Settings > Factory EQ

Selecting Factory EQ from the Audio Menu Bar will access factory equalizer presets for different music types:

Rock - Hip-Hop - Electronic - Jazz - Pop

When a Factory EQ preset is selected, it can be fine-tuned using the Equalizer and then re-saved as a User Preset.



SOUND **SETTINGS**

Sound Settings > Crossover

Selecting Crossover from the Audio Menu Bar will access the internal electronic variable crossover. Crossover settings can be saved and recalled via Presets.

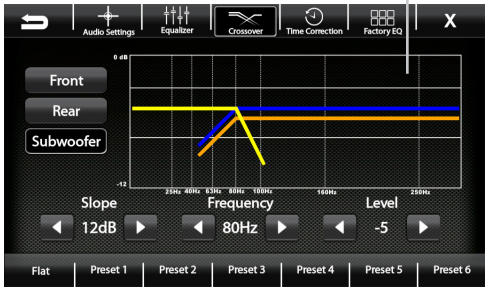
Front/Rear/Subwoofer Channels
Select Front, Rear or Subwoofer to set crossover.

Slope [6dB-12dB-18dB]
Adjusts the slope of the crossover.

Frequency
[BYPASS-25-40-63-80-100-160-250Hz]
Adjusts crossover frequency. Front and Rear channels are High Pass and Subwoofer is Low Pass.

Level [-12–0]
Adjusts signal level. Channel levels can be adjusted regardless of crossover settings.

Graphical representation of crossover Slope, Frequency and Level.



Front Channel = Blue
Rear Channel = Orange
Subwoofer = Green
Active (Selected) = Yellow

Saving Crossover Settings

There are 6 user Presets that can be used to save Crossover settings.

When you are done adjusting the Crossover, touch and hold a Preset location to save the settings. The Preset will highlight.

NOTE: If the vehicle is equipped with a factory amplifier, Crossover is not selectable by default.

SOUND **SETTINGS**

Sound Settings > Time Correction

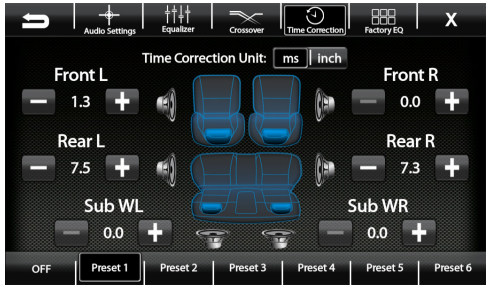
Selecting Time Correction from the Audio Menu Bar will access the Time Correction settings. Time Correction settings can be saved and recalled via Presets.

Time Correction compensates for the uneven distances between the speakers and a listeners ears. Time Correction delays signals from the closest speaker(s), so that all the sound arrives at the listening position at the same time, giving the listener a more accurate, life-like stereo image.

To set Time Correction, select a listening position, for example the driver's seat headrest. Then, measure from each speaker to the listening position. Set Units to Inch, and input the speaker distance values into the appropriate positions using the +/- buttons.

Select milliseconds or inches





Saving Time Correction Settings

There are 6 user Presets that can be used to save settings. When you are done adjusting the Time Correction, touch and hold a Preset location to save the settings. The Preset will highlight.

NOTE: If the vehicle is equipped with a factory amplifier, Time Correction is not selectable by default.

SOUND **SETTINGS**

Settings > Sound Settings > Advanced Settings

Selecting Advanced Settings ▶ from the Audio Settings screen will access the following settings:

Defeat [ON-OFF]
When set to ON, this will defeat/bypass all equalizer, crossover and speaker settings. This is useful when connecting to a DSP.

Default Audio Settings [Reset]
Press to Reset all audio settings to default.

Toslink (Optical Out) [ON-OFF]
Turns variable digital output ON/OFF.

Microphone Selection [INTERNAL-EXTERNAL]
Select External if external microphone is installed. Select Internal to use the built-in microphone.



Source Gain Settings ▶
Selecting Source Gain from the Advanced Audio Settings will allow gain/volume adjustments for individual sources. For example, if AM/FM is much louder than BT Music, lower AM/FM and/or raise BT Music to even out the volume levels.



Arrow down for additional sources

Volume Settings ▶
Selecting Volume Settings from the Advanced Audio Settings will access the following Volume settings:

Start Volume [LAST-CUSTOM]
LAST will be same level as when unit was shut off. CUSTOM will be a preset level adjusted below.

Volume Slider [0–40]
Adjusts CUSTOM volume level to a specific level.

The Volume Mode is adjustable for Bluetooth(BT), Navigation (NAV) and Voice using the same procedure.



Reset Button

The Reset Button is located on the lower right hand corner of the display. To reset the unit, the power must be on, use a paper clip or similar to push the reset button for 2 seconds and release. The reset will take a few minutes; do not turn of power during this time.



TROUBLE **SHOOTING**

General

Black Screen with Audio
Touch the screen anywhere as it may have been turned off (see Page 35).

Ensure the cables on the back of the screen are fully locked into place and also properly connected at the back of the radio module.

Check for damaged/kinked cables.

Press the HOME Button.

Bluetooth

Device will not Pair
Ensure Bluetooth is turned ON in your device settings. Delete all unused devices. Delete any "Stinger" device. Restart/ Reboot device and try pairing again (see Page 20).

Music Volume is low
- Turn up volume on device.
- Turn up volume on head unit.
- Turn up BT Volume Gain (see page 44).

Phone Volume is low
- Turn up volume on device.
- Turn up volume on head unit.
- Turn up BT Volume Gain (see page 44).
- Turn up Mic Gain (see Page 21).

Phone Microphone not working
- Verify microphone setting (see page 21).

Video/Cameras

Rear Camera not displaying in reverse
- Make sure rear camera trigger is ON (see Page 39)
- If display is showing NO SIGNAL in reverse, ensure camera RCA is plugged into the correct RCA input (CAMERA IN).
- Confirm camera has power and ground.
- Confirm camera trigger is receiving positve 12V signal.

Note: NTSC and PAL video formats only.

SiriusXM Satellite Radio

Check Antenna
The radio has detected a fault with the SiriusXM antenna. The antenna cable may be either disconnected or damaged.
- Verify that the antenna cable is connected to the SiriusXM Connect Vehicle Tuner.
- Inspect the antenna cable for damage and kinks.

Replace the antenna if the cable is damaged. *SiriusXM products are available at your local car audio retailer or online at www.shop.siriusxm.com.*

Check Tuner
The radio is having difficulty communicating with the SiriusXM Connect Vehicle Tuner. The tuner may be disconnected or damaged.
- Verify that the SiriusXM Connect Vehicle Tuner cable is securely connected to the radio.

No Signal
The SiriusXM Connect Vehicle Tuner is having difficulty receiving the SiriusXM satellite signal.
- Verify that your vehicle is outdoors with a clear view of the sky.
- Verify that the SiriusXM magnetic mount antenna is mounted on a metal surface on the outside of the vehicle.
- Move the SiriusXM antenna away from any obstructions. Inspect the antenna cable for damage and kinks.
- Consult the SiriusXM Connect vehicle tuner installation manual for more information on antenna installation.

Replace the antenna if the cable is damaged. *SiriusXM products are available at your local car audio retailer or online at www.shop.siriusxm.com.*

Channel Locked
The channel that you have requested is Locked by the radio Parental Control feature. See the Parental Control section on Page 28 for more information on the Parental Control feature and how to access locked channels.

SiriusXM Satellite Radio (cont)

Subscription Updated
The radio has detected a change in your SiriusXM subscription status.
- Press anywhere on the screen to clear the message.

In the U.S.A., visit www.siriusxm.com or call 1-866-635-2349 if you have questions about your subscription. In Canada, visit www.siriusxm.ca or call 1-877-438-9677 if you have questions about your subscription.

Channel Unavailable
The channel that you have requested is not a valid SiriusXM channel or the channel that you were listening to is no longer available. You may also see this message briefly when first connecting a new SiriusXM Connect Vehicle tuner.
Visit www.siriusxm.com for more information about the SiriusXM channel lineup.

Memory End
This message will display when the beginning of stored audio has been reached. You cannot rewind any further.

Memory Full
The stored audio memory has became full while audio was paused. Resume playback.

Channel Unsubscribed
The channel that you have requested is not included in your SiriusXM subscription package or the channel that you were listening to is no longer included in your SiriusXM subscription package.
In the U.S.A., visit www.siriusxm.com or call 1-866-635-2349 if you have questions about your subscription package or would like to subscribe to this channel. In Canada, visit www.siriusxm.ca or call 1-877-438-9677.

Apple CarPlay

Apple CarPlay will not start/launch
- Ensure you are using a Apple-certified cable.
- Make sure you are plugged into USB 2 in the center console.
- Make sure Apple CarPlay is turned ON (see Page 30).

Android Auto

Android Auto
- Ensure you are using a USB certified cable
- Make sure Android Auto app is downloaded and installed on your device.
- Make sure you are plugged into USB 2 in the center console.
- Make sure Android Auto is turned ON (see Page 31).

StingerElectronics.com 47

SPECIFICATIONS

GENERAL

Operating Voltage: 9.0VDC to 18VDC
Grounding system: Negative Ground
Max current consumption: 10A fused

DIMENSIONS

Radio Module:
178 mm x 100 mm x 116 mm (W x H x D)
Display:
247.2 mm x 180.6 mm x 48.5 mm (W x H x D)

DISPLAY

10-inch Diagonal
16:9 aspect ratio
1024 x 600
Pixels: 1,843,200
Active area: 222.72 (W) x 125.28 (H) mm
Operating Temperature (C): -20° to 70°

AUDIO

Peak power output: 50W x 4ch/4Ω
Load impedance: 4Ω nominal / 2Ω allowable
Continuous power output:
25W x 4ch/4Ω 20Hz to 20KHz,
1% THD at 14.4V
Audio output level (max): 4.0V preout
EQ: (15-band)
25Hz/40Hz/63Hz/100Hz/160Hz/250Hz/400Hz/
630Hz/1KHz/1.6KHz/2.5KHz/4KHz/6.3KHz/
10KHz/16KHz
Gain: ±12dB (2dB/step)
HPF: 25Hz/40Hz/63Hz/80Hz/100Hz/160Hz/250Hz
Slope: 6dB, 12dB, 18dB

AUDIO (cont.)

Subwoofer Preout
LPF: 25Hz/40Hz/63Hz/80Hz/100Hz/160Hz/250Hz
Slope: 6dB, 12dB, 18dB
Gain: -14dB to 7dB (1dB/step)
Phase: 0 or 180
Speaker level: ±9dB (1dB/step)
Time correction: 0 to 133 step (inch/ms)

USB

USB 2.0
Max current supply: 1.5A
USB Class:
MSC (Mass Storage Class),
MTP (Media Transfer Protocol)
File system: FAT32, NTFS

BLUETOOTH

V4.2 dual
4dBm Class2
2.4GHz to 2.48GHz

FM TUNER

87.9MHz to 107.9MHz
Usable sensitive 0dB (mono S/N: 30dB)
SNR: 65dB

AM TUNER

530KHz to 1710KHz
Usable sensitive 0dB (mono S/N:20dB)
SNR: 58dB

CAMERA(S) VIDEO INPUTS

NTSC OR PAL video formats

HDMI INPUT

Supported HDMI Resolutions:
640*480p, 720*480p, 1280*720p,
1920*1080i, 1920*1080p

TOSLINK (OPTICAL)

Output: 48khz Variable

BACKGROUND IMAGE (USER)

File Format: JPG / PNG
Resolution: 1024 x 600
File size is not limited

SPECIFICATIONS

AUDIO/VIDEO **FORMATS**

AUDIO

MPEG-1 Audio Layer-3 (.mp3)
FLAC (.flac)
MPEG-2 Advanced Audio (.aac)
MPEG-4 Audio (.m4a)
Windows Audio (.wav)
OGG Audio (.ogg)

VIDEO

QuickTime (.mov)
MPEG-4 Video (.mp4)
Microsoft AVI (.avi)
MPG Video (.mpg)
MPEG Video 1/2 (.mpeg)
VOB DVD (.vob)
Flash Video (.flv)

IMAGE

JPEG (.jpg)
CompuServe GIF (.gif)
PNG (.png)
JPEG (.jpeg)
Bitmap (.bmp)

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