Harman International Corp

Ford CTR User Guide

ggs
v1
11-17-2017

Table of Contents

1. CTR System 7
   a. Remote Display 7
   b. Steering Wheel Controls 7
      1. Volume Up 8
      2. Volume Down 8
      3. Mute 8
      4. Call Pick-up 8
      5. Call hang-up 8
      6. Voice Assistant 8
   c. Panel Control 8
      1. Volume Knob 8
      2. Tune Knob 8
      3. Power Button 9
      4. Seek Down 9
      5. Seek Up 9
      6. Play/Pause 9
      7. Display Button 9
   d. Climate Control 9
      1. Fan Speed Knob 9
      2. Temperature Knob 9
   e. USB Connection 9
   f. Microphone 9
2. Home Screen 10
   a. Home 10
   b. Audio 10
   c. Connected Device 10
   d. Mobile Navigation 11
   e. Clock 11
   f. Outside Temperature 11
   g. Icons 11
      1. 911 Assist/Emergency Assist OFF 11
      2. Connected device signal strength indication 11

3. Roaming 11
4. Bluetooth device connected 12
5. New Message 12
6. Speaker Mute 12
7. Microphone Mute 12
8. Wi-Fi 12
9. System Update 12
10. Traffic Announcement Alarm 12
11. Traffic Announcement News 12
3. Audio Sources 13
a. AM 13
1. Sources 14
2. Direct Tune 14
3. TA 14
4. Mixed Presets 14
b. FM 14
1. Text 14
2. Browse 15
3 Sources 15
4 Direct Tune 15
5 TA 15
6 Mixed Presets 15
c. SXM (US Only) 15
1. Text 16
2. Channel Guide 16
3. Sources 17
4. Direct Tune 17
5. Alerts 17
6. Repeat 17
j. DAB (Europe Only) 18
1. Text 18
2. Browse 18
3. Sources 19

4. TA 19
5. Extended Text Button 19
6. Mixed Presets 19
k. CD (not currently in Scope) 19
l. Connected Media 20
1. Bluetooth Streaming Audio 20
2. USB 20
3. Music App 20
4. Media Browse 20
1. Play All 21
2. iTunes Radio 21
3. Playlists 22
4. Artists 22
5. Albums 23
6. Songs 23
7. Genres 24
8. Podcasts 24
9. Videos 25
10. Explore Device 25
4. Media Player 26
5. Video Player 27
6. Phone 28
a. Add Phone 28
b. Connect Phone 29
c. Connected Device 29
1. Recent Calls 29
2. Contacts 29
3. Device Name 29
4. Voice Assistant 30
5. Do Not Disturb 30
6. Keypad 30
7. Text Messages 30
8. Change Device 31

d. Incoming Call 32
1. No Previous Call Connected 32
2. Previous Call Connected 32
3. Call Connected Features 33
7. Apps 35
a. Connect Device 35
b. Find Mobile Apps 35
8. Projection Modes 36
a. First time connection 36
9. Settings 37
a. 911 Assist 38
1. 911/Assist Feature 38
2. Set Emergency Contacts 38
b. Automatic Updates 38
1. Automatic System Updates 39
2. Manage My Connection 39
3. View Current Software Versions 39
4. Scan for Updates Now 39
c. Bluetooth 39
1. Bluetooth 39
2. Change Vehicle Name 39
3. Add a Bluetooth Device 39
4. View Devices 39
d. Clock 40
1. Clock Setting 40
2. Mode 40
e. Display 40
1. Display Off 40
2. Calm Screen 41
3. Background 41
4. Mode 41
f. General 41
1. Language 42

2. Temperature 42
3. Touch Screen Beep 42
4. About 42
5. Software Licenses 42
6. Master Reset 42
g. Mobile Apps 42
1. Enable Mobile Apps 42
2. Enable Mobile Apps via USB 42
3. Update Mobile Apps 43
4. All Apps 43
5. Nav Apps 43
h. SYNC Connect 43
1. Vehicle Hotspot 43
2. Connectivity Settings 43
i. Phone 44
1. Bluetooth Devices 44
2. Manage Contacts 44
3. Set Phone Ringtone 45
4. Text Messaging 45
5. Volume 45
6. Mute Audio in Privacy 45
7. Roaming Warning 45
8. Low Battery Notification 45
j. Sound 45
1. Trebel/Mid-range/Bass 45
2. Balance and Fade 45
3. Speed Compensated Volume 46
4. Occupancy Mode 46
k. Vehicle 46
1. Camera Settings 46
2. Door Keypad Code 46
3. Onboard Modem Serial Number (ESN) 46
l. Wi-Fi 47

1. System WiFi 47
2. View Available Networks 47
3. Wi-Fi Available Notifications 47
m. Ambient Lighting 47
n. Apple Carplay Preferences 48
o. Android Auto Preferences 48
p. Baidu Carlife Preferences 48
10. Emergency Assist 49
11. Software Updates 50
12. Nav Map 51
13. Vehicle Features 52
a. Active Park Assist/ Visual Park Assist 52
b. Chimes 52
c. Climate Control 52
d. Emergency Assistance 52
e. MyKey 52
f. Rear View Camera 52
g. Wireless Charging 52

1. CTR System

The CTR system includes the following for user interaction and response.

- 8 inch touch screen display
- Steering wheel controls
- Panel control
- Microphone for limited voice control
- USB hub for streaming audio and video
- BT connection for phone and streaming audio.
- Audio output thru the audio speaker system.

a. Remote Display

The remote display has a touch screen that will allow the user to interact directly with the objects on the screen. Refer to the following sections for the details of user interaction.

b. Steering Wheel Controls

1. Volume Up

Pressing the button will increase the volume of the currently playing mode. This volume will be stored for that mode. A pop-up on the screen will appear to show the volume level.

2. Volume Down

Pressing the button will decrease the volume of the currently playing mode. This volume will bestored for that mode. A pop-up on the screen will appear to show the volume level.

3. Mute

Pressing the button will mute the audio until the button is again pressed.

4. Call Pick-up

Pressing the button will pick up an incoming call.

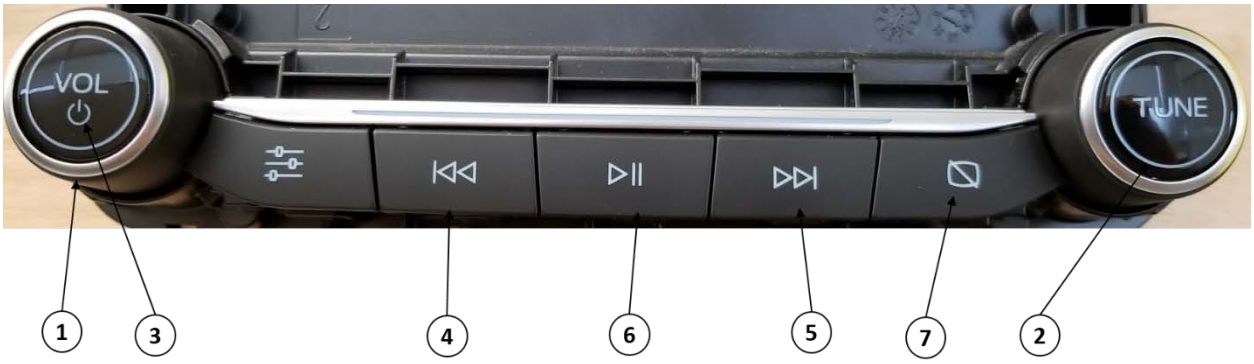
5. Call hang-up

Pressing the button will end a current call.

6. Voice Assistant

If a Voice Assistant is available and activated on a connected mobile phone, pressing and holding the button will activate a voice assistant session. Pressing during the active session will cancel the session.

c. Panel Control



1. Volume Knob

Rotating the knob will increase/decrease the volume of the currently playing mode. This volume will be stored for that mode. A pop-up on the screen will appear to show the volume level.

2. Tune Knob

Rotating the knob will increment/decrement the current frequency or station to the next frequency or station.

3. Power Button

Pressing this button will toggle the power of the infotainment system On and Off. If the Ignition is off and the Power button is pressed, the infotainment system will power on in Extended mode. Pressing the Power again will turn off the system.

4. Seek Down

Pressing the button will seek from the current station or frequency to the next lower available station or frequency.

5. Seek Up

Pressing the button will seek from the current station or frequency to the next higher available station or frequency.

6. Play/Pause

Pressing the button will toggle between playing and pausing available controlled USN or Bluetooth streaming media.

7. Display Button

Pressing this button will toggle the display from Off to On. In Off mode, the screen can be activated with touch or by using this button. In Off mode, the screen will only show the time.

d. Climate Control

1. Fan Speed Knob

When the knob is rotated, a pop up display will appear to indicate the fan speed level.

2. Temperature Knob

When the knob is rotated, a pop up display will appear to indicate the temperature level.

e. USB Connection

The USB connection supports connecting multiple USB devices that may provide streaming audio, video or support projection modes (Android Auto, Carplay, Applink or Baidu).

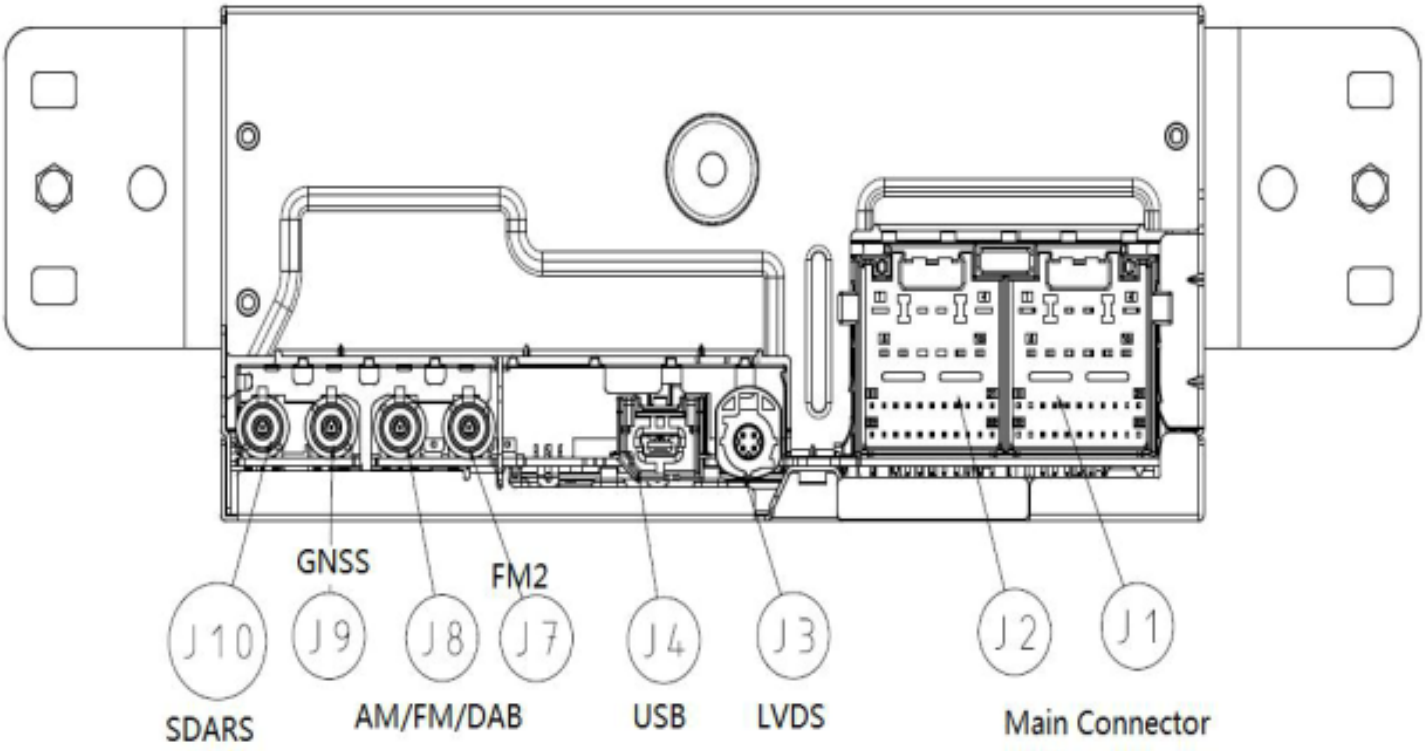
- For audio, the infotainment system will support fast forward, fast reverse and play/pause.
- For video, the infotainment will support fast forward, fast reverse and play/pause.
-

f. Microphone

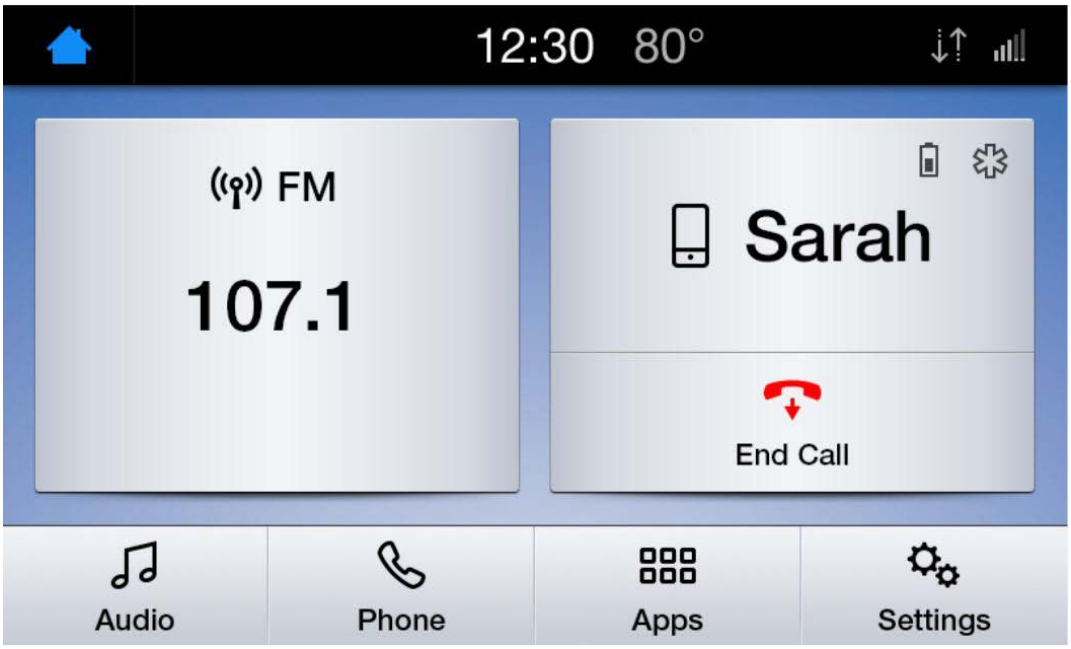
The infotainment system uses two microphones to support voice recognition for connected device control.

g. Infotainment headunit

The following table shows the CTR headunit connectors with signal information and description.



2. Home Screen



a. Home

Pressing the home button in the top menu bar for any screen will change the displayto this Home Screen.

b. Audio

The audio buttonto the left displays the currently selected Audio source. Pressing this button will display the Audio mode information screen.

c. Connected Device

The Connected Device button to the right displays the connected device status. Pressing the button will change the screen to the Phone main screen.

d. Mobile Navigation

When mobile navigation is in use, the Audio button will share the left side with the Mobile navigation button.

e. Clock

Displays the clock in 12 or 24 hour format.

f. Outside Temperature

Displays the outside temperature in degrees F or C.

g. Icons

1. 911 Assist/Emergency Assist OFF

This icon shows the status of the 911 Assist/Emergency Assist feature.

2. Connected device signal strength indication

When a Bluetooth device is connected and signal strength is available, the signal strength icon will be displayed.

3. Roaming

When a Bluetooth device is connected and roaming, the roaming icon will be displayed.

4. Bluetooth device connected

When a Bluetooth device is connected and signal strength is not available, the Bluetooth icon will be displayed.

5. New Message

When a new message is received, the icon will be displayed.

6. Speaker Mute

When the system audio is muted, the icon will be display.

7. Microphone Mute

When the system microphone is muted, the icon will be displayed.

8. Wi-Fi

When Wi-Fiis enabled, the icon will be displayed.

9. System Update

The icon will be displayed when there is a software download in process.

10. Traffic Announcement Alarm

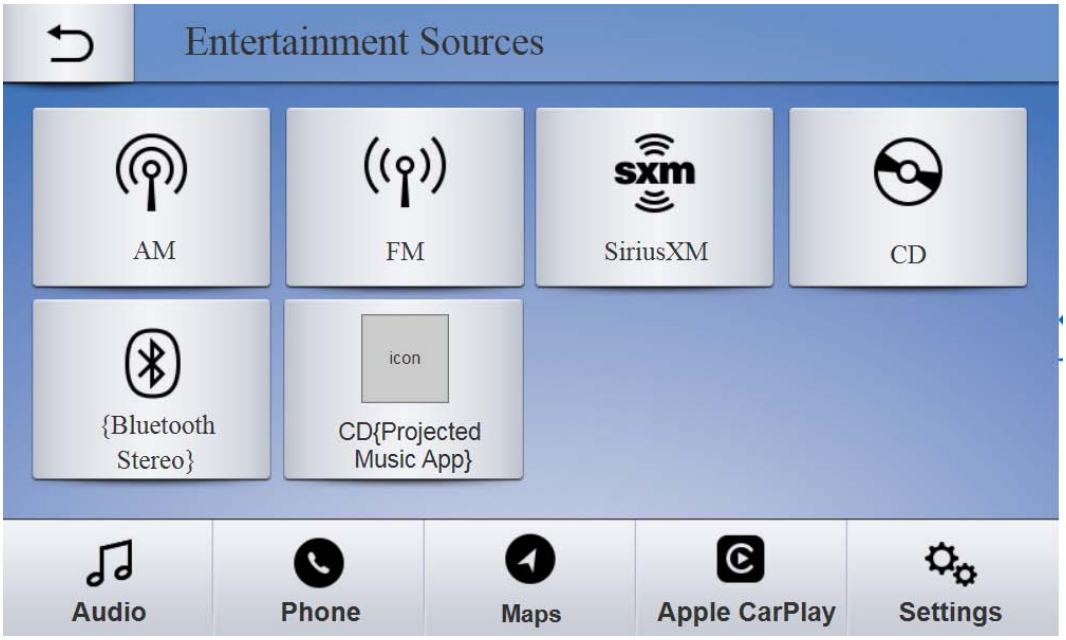
When a traffic announcement alarm is active and there is an interrupt announcement, the icon will be displayed.

11. Traffic Announcement News

When a traffic announcement news is active and there is an interrupt announcement, the icon will be displayed.

3. AudioSources

Pressing the Sources button for any of the sources entered with the Audio button will change the screen to allow the section of another audio source.



a. AM

When the AM entertainment source is selected, the screen will change to the main AM screen and tune to the last selected AM frequency.

1. Sources

When the Sources button is pressed, the Entertainment screen will be displayed to allow the user to select another source.

2. Direct Tune

When the user pressed the direct tune button, a display will show a numeric keyboard for the user to manually enter a frequency number.

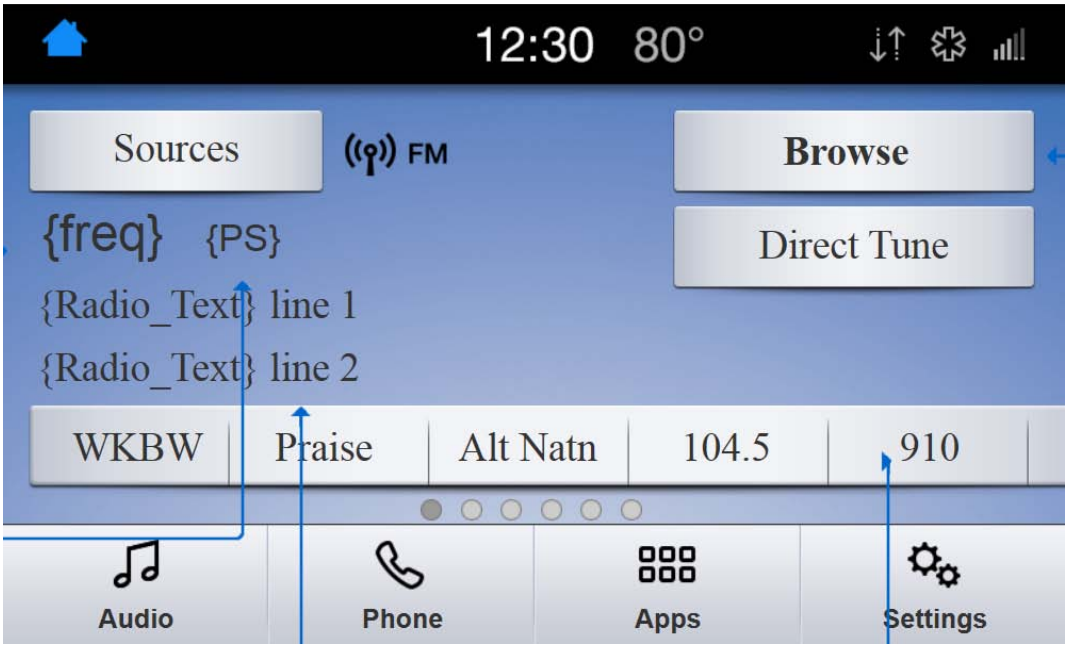
3. TA

When the TA button is pressed, the systems will search for the next available station that supports a Traffic Alert feature.

4. Mixed Presets

There is a set of preset buttons that can be programmed to any AM, FM, SXM or DAB channel. There is a total of 32 buttons that can be programmed. Swiping the row of buttons will show additional buttons. Pressing the button will change to that mode and channel/frequency. Pressing and holding the button will program the currently playing channel/frequency.

b. FM



When FM is selected from the Entertainment screen, the screen will display the FM mode, the tuner is changed to FM mode and tuned to the last selected FM frequency.

1. Text

The display will show radio text if available.

2. Browse

For markets with RDS, the browse list will contain the Program station list (see above). For markets with RDS, the available station frequencies will be displayed. The user can select from this list which will tune to that station and return to the now playing FM screen.

3 Sources

When the Sources button is pressed, the Entertainment screen will be displayed to allow the user to select another source.

4 Direct Tune

When the user pressed the direct tune button, a display will show a numeric keyboard for the user to manually enter a frequency number.

5 TA

When the TA button is pressed, the systems will search for the next available station that supports a Traffic Alert feature.

6 Mixed Presets

There is a set of preset buttons that can be programmed to any AM, FM, SXM or DAB channel. There is a total of 32 buttons that can be programmed. Swiping the row of buttons will show additional buttons. Pressing the button will change to that mode and channel/frequency. Pressing and holding the button will program the currently playing channel/frequency.

c. SXM (US Only)

A subscription must be active for the SXM feature to be supported. If the subscription is not active, a display will indicate that subscription is not active and suggest calling to enable the subscription. If the subscription is active, the following features will be supported.

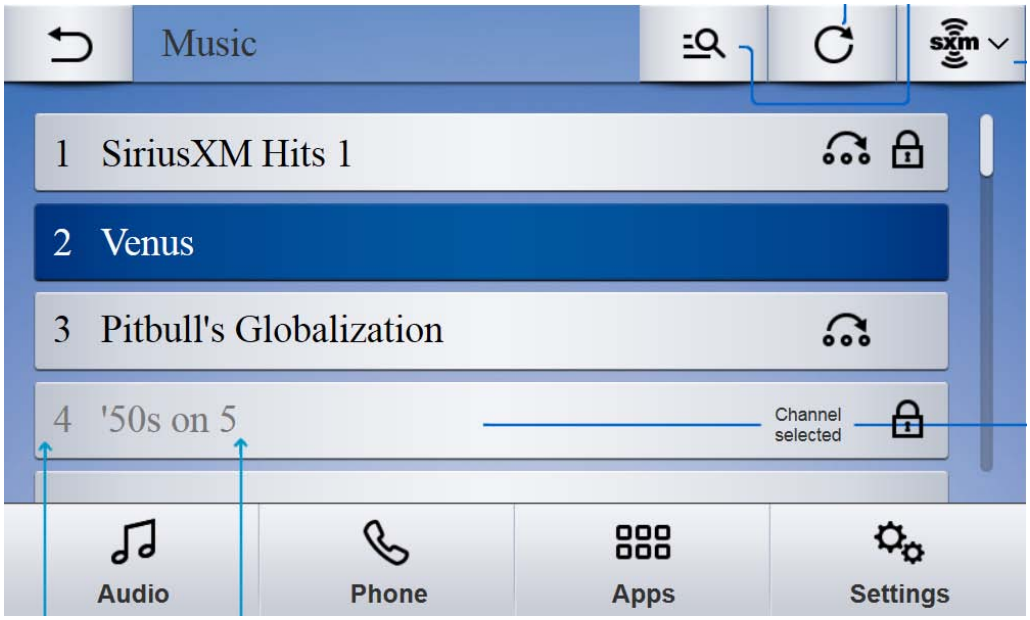
When the SXM source is selected, the screen will change to the SXM main screen and tune to the last plated channel.

1. Text

The display will show the artist and song title.

2. Channel Guide

Pressing the channel guide button will display a list of all available SXM channels. The user can select a channel from this list. When selected, the display will show the media player with the active channel.



i. Search

When the Search all categories button is pressed, the screen will display list of all categories that can be selected by the user.

ii. Refresh

When the Refresh button is pressed, the screen will refresh the list.

iii. SXM View

When the View button is pressed, the screen will display a popup list to allow the user to select Channel, Title or Artist to view.

iv. Skip

For each station on the channel guide, the user can press the skip button to skip this station when seeking through stations.

v. Lock

For each station on the channel guide, the user can press the lock button to lock this station and not allow tuning to the station. A PIN will be required to lock the station.

3. Sources

When the Sources button is pressed, the Entertainment screen will be displayed to allow the user to select another source.

4. Direct Tune

When the user pressed the direct tune button, a display will show a numeric keyboard for the user to manually enter a channel number.

5. Alerts

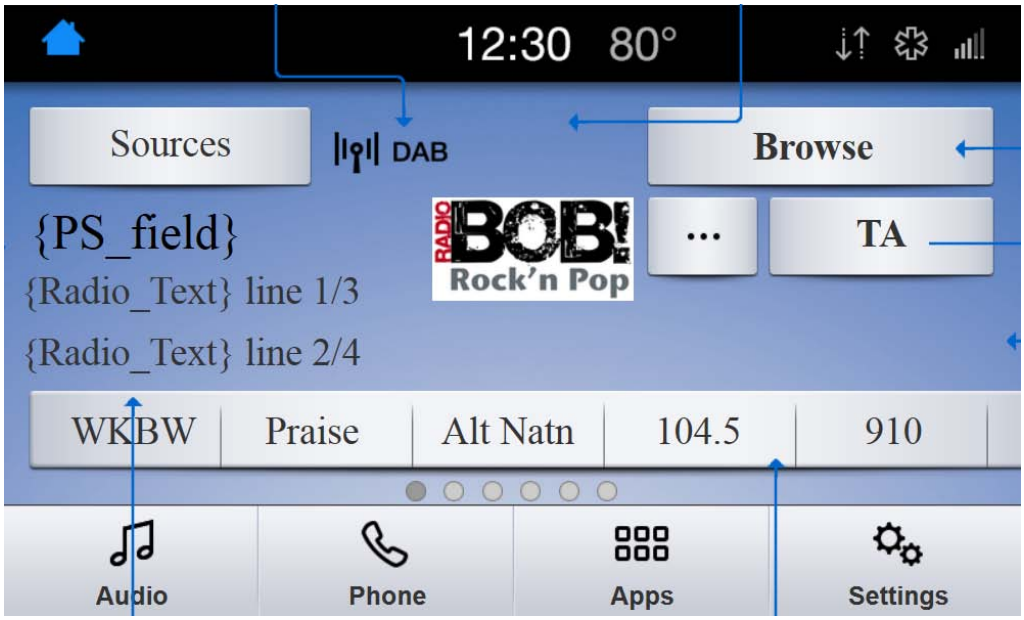
The Alerts button will allow the user to add the currently playing song title, game or other broadcast to the alert list. When the song title is played in the future, the user will get an alert to tune to the station playing that alert.

The user will be able to manage the alerts with an Alerts list display that will allow editing or deleting an item on the list.

6. Repeat

The user can repeat the song title by pressing the repeat button.

j. DAB (Europe Only)

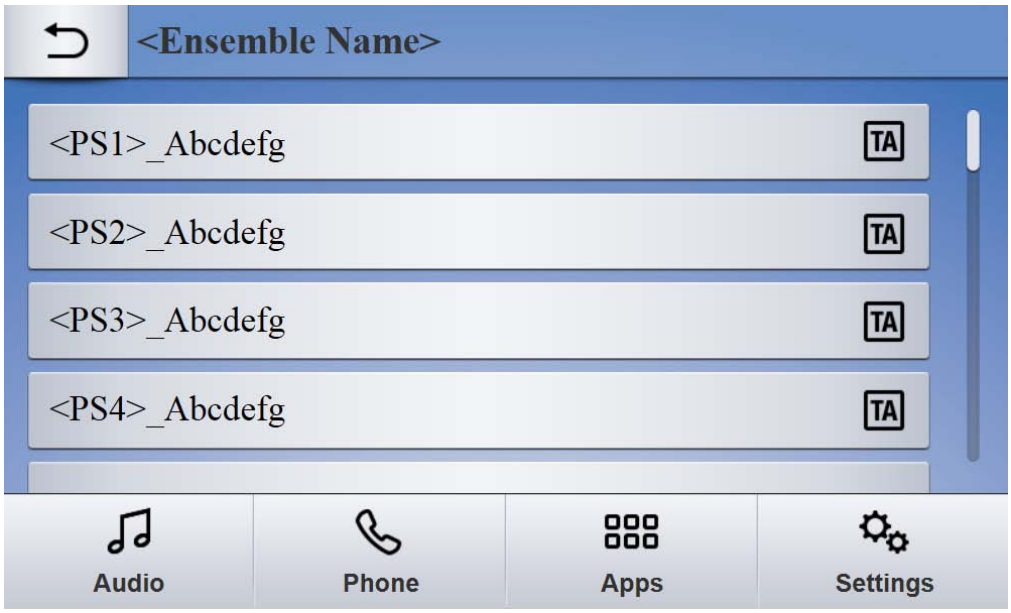


When DAB is selected from the Entertainment screen, the screen will display the DAB mode, the tuner is changed to DAB mode and tuned to the last selected DAB station.

1. Text

The display will show radio text if available.

2. Browse



When the Browse button is pressed, the screen will display a list of Ensembles. When the user selects an Ensemble name, the screen will show the list of stations in that Ensemble. The station list will indicate if Traffic Announcement is supported.

3. Sources

   When the Sources button is pressed, the Entertainment screen will be displayed to allow the user to select another source.

4. TA

   When the TA button is pressed, the systems will search for the next available station that supports a Traffic Alert feature.

5. Extended Text Button

   When the ... button is pressed, the user can scroll through text that may be truncated in the text field.

6. Mixed Presets

   There is a set of preset buttons that can be programmed to any AM, FM, SXM or DAB channel. There is a total of 32 buttons that can be programmed. Swiping the row of buttons will show additional buttons. Pressing the button will change to that mode and channel/frequency. Pressing and holding the button will program the currently playing channel/frequency.

k. CD (not currently in Scope)

If a remote CD player is available in the vehicle, pressing this button will change the audio source to the CD player.

I. Connected Media

1. Bluetooth Streaming Audio

If a Bluetooth device is connected and there are audio files available for streaming, pressing this button will change the audio mode to Bluetooth streaming audio.

The screen will change the media player. (see media player section)

2. USB

If a device is connected into the USB hub and there are audio files available for streaming, pressing this button will change the audio mode to USB streaming audio or video.

If the source is audio, the screen will change to the media player. (see media player section)

If the source is video, the screen will change to the video player. (see video player section)

3. Music App

If a device is connected and a music app is available, pressing this button will enable the music app.

The screen will change the media player. (see media player section)

4. Media Browse

When the search icon for a Now Playing list is pressed, the screen will display the Media Browse and display all supported browse options that are available for that device. Below is a summary of all possible browse options.

1. Play All

When this button is pressed, the screen will change to the Media Player (see media player section) for audio or the Video Player (see video player section) for video.

2. iTunes Radio

If an Apple device is connected and supported iTunes, pressing this button will change the screen to display the list of iTunes radio stations. When a station is selected, the screen will display a specific media player.

i. Wish List

When the button is pressed, the iTunes wish List request will be supported.

ii. Thumbs Up

When the button is pressed, the iTunes Thumbs down will be supported.

iii. Thumbs Down

When the button is pressed, the iTunes Thumbs down will be supported.

3. Playlists

When the button is pressed, the screen will change to display the available playlists.

When a playlist is selected, the screen will display the Now Playing list and play the first song on the list and continue playing from the playlist.

The A-Z button allows the user to search items within the list.

4. Artists

When the button is pressed, the screen will change to display the available Artists.

When the All Albums list item is selected, the screen will display a list of available albums.

When an artist is selected the screen will display the Now Playing List and begin playing available songs from that artist.

The A-Z button allows the user to search items within the list.

5. Albums

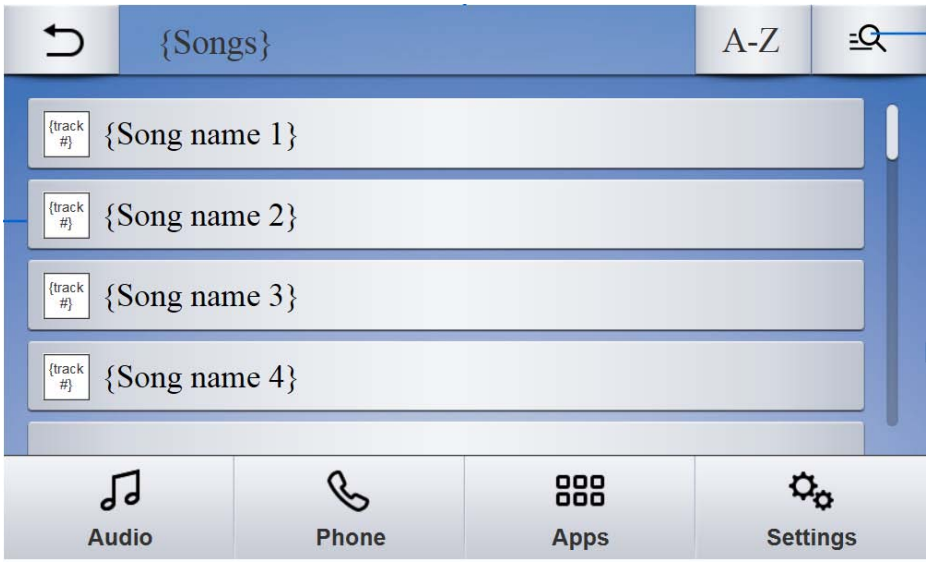
When the button is pressed, the screen will change to display the available Albums.

When an album is selected the screen will display the Now Playing List and begin playing available songs from that album.

The A-Z button allows the user to search items within the list.

6. Songs

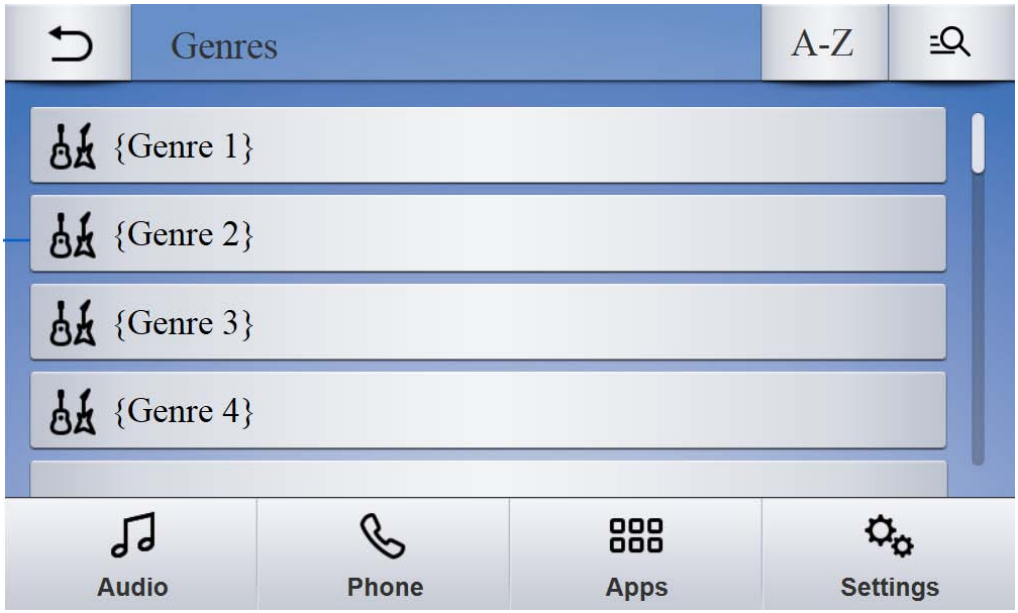
When the button is pressed, the screen will change to display the available songs.



The A-Z button allows the user to search items within the list.

7. Genres

When the button is pressed, the screen will change to display the available genres.



When agenre isselected the screen will display the Now Playing List and begin playing available songs from that genre

The A-Z button allows the user to search items within the list.

8. Podcasts

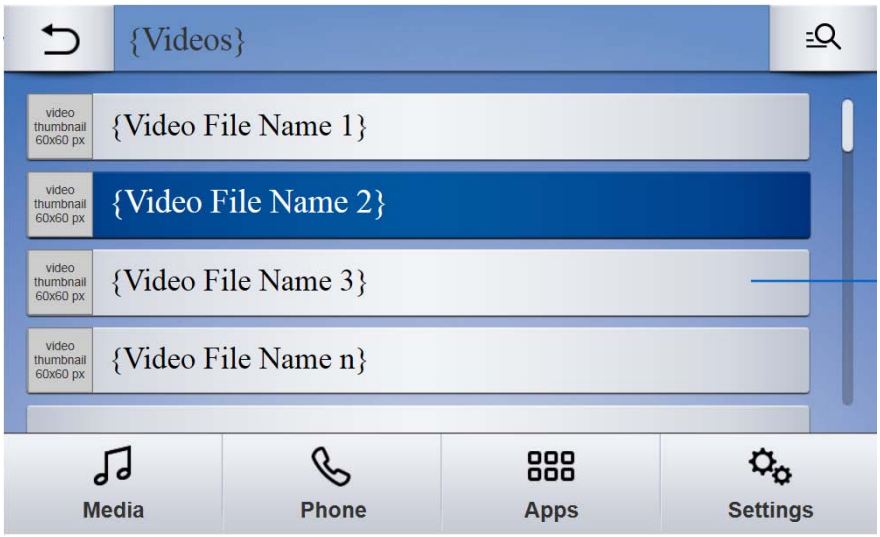
When the button is pressed, the screen will change to display the available genres.

When a podcast is selected the screen will display the Now Playing List and begin playing available podcasts.

The A-Z button allows the user to search items within the list.

9. Videos

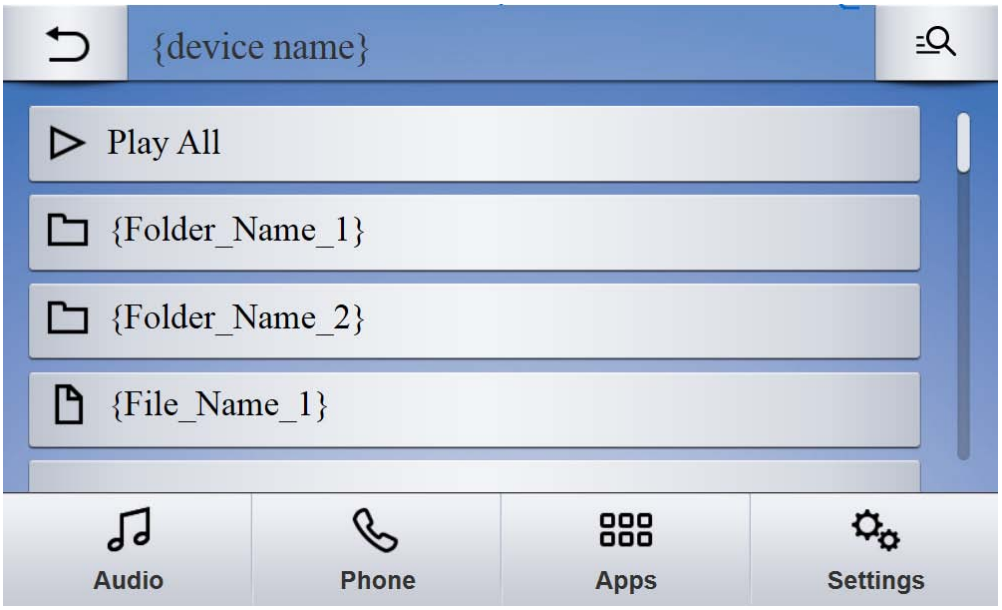
When an album is selected the screen will display the Now Playing List and begin playing available podcasts.



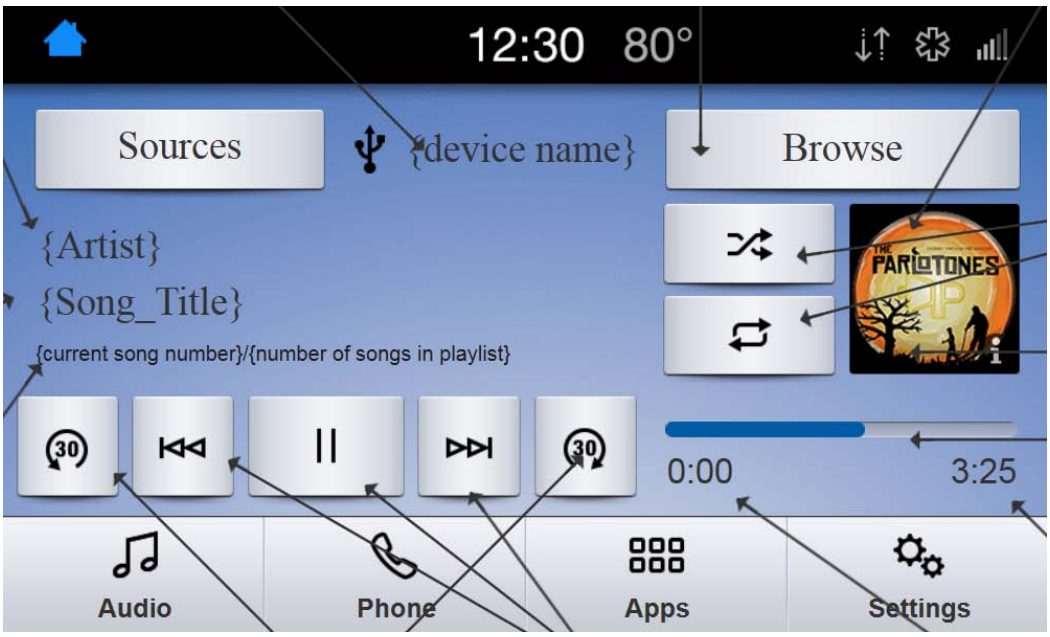
When a video file is selected the screen will display the Video player.

10. Explore Device

When an album is selected the screen will display the directory for the device.



4. Media Player



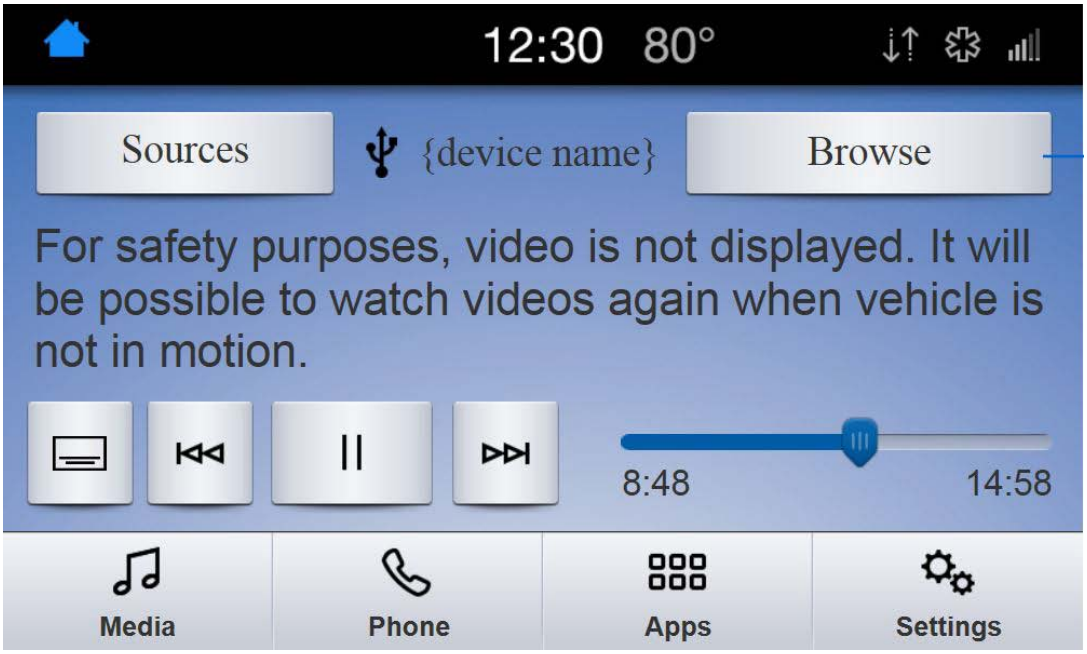
Pressing the Audio button in the bottom menu bar will change the screen to the main Media Player screen if the current source is a connected media source.

If a valid media file is selected from a connected device, the Audio becomes Media and the infotainment systems shall support the playing of the connected audio. The buttons displayed will depend on the media source being played.

- The screen will support the Sources button.
- The screen will display the connected device name if available.
- The screen will display the Artist and Song Title if available.
- The screen will display and support a fast backward button, a fast forward button and a play/pause button.
- The screen will support 30 second skip forward or 30 second skip backward.
- The screen will support a shuffle button.
- The screen will support a repeat button.
- The screen will display and progress bar or a simple media progress bar depending on what the media will support.
- The screen will show a total time and elapsed time.
- The screen shall have a Browse button. The video player will have an independent list from the audio browse list.

The Media Player screen will also show the Artist, Song Title and Cover art if available.

5. Video Player



Pressing the Audio button in the bottom menu bar will change the screen to the main Video Player screen if the current source is a video file.

For most regions, the video player will not allow video to be displayed until the vehicle is not in motion.

If a valid video file is selected from a connected device, the Audio becomes Media and the infotainment systems shall support the playing of the video.

- The screen will display and support a fast backward button, a fast forward button and a play/pause button.
- The screen will display and progress bar or a simple media progress bar depending on what the media will support.
- The screen will display a subtitle button that will turn available subtitles On/Off.
- The screen will show a total time and elapsed time.
- The screen shall havea Browse button. The video player will have an independent list from the audio browse list.
- Once the video begins playing, the video will be displayed on a full screen, removing the upper status and lower menu bars. Touching the screen will return to the normal screen.
- If the driver restriction is enabled, the video will not be played and there will be a warning displayed.

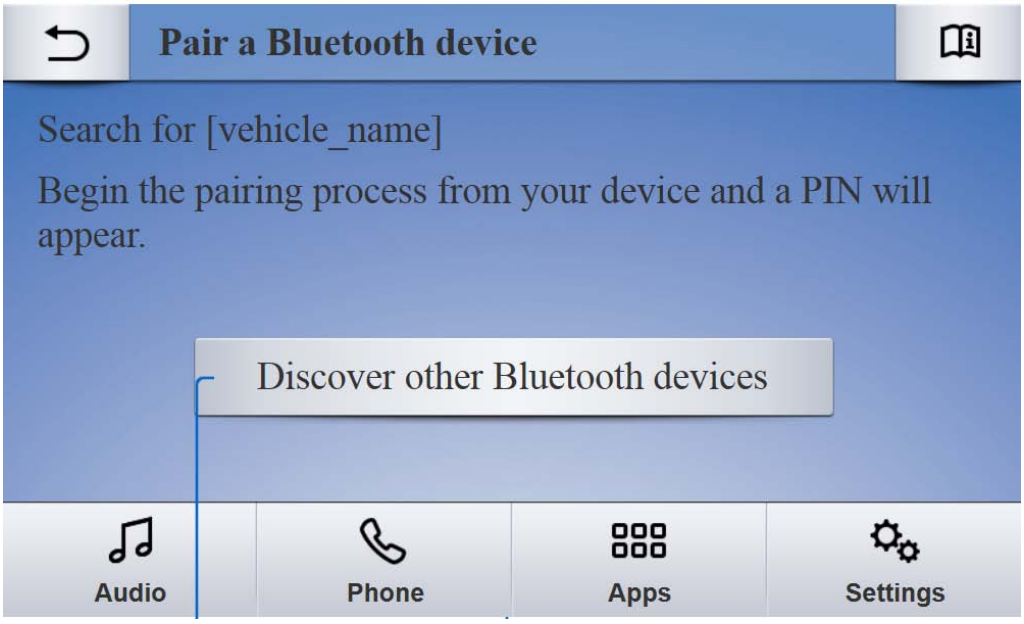
6. Phone

Pressing the Phone button on the bottom menu bar will change the screen to the Phone main screen. The main phone screen will show a button to add a new device and will show buttons to connect to any previously paired devices.

a. Add Phone

The option to add a phone will always be present for this screen. Pressing this button will initiate a discoverable mode to search for Bluetooth phones. If Bluetooth in not on, the system will display a message to turn on.

Once the discovery is completed, pairing screen will be displayed. The system will allow up to 12 paired devices. If there are 12 paired devices, there will be a warning to delete a device.

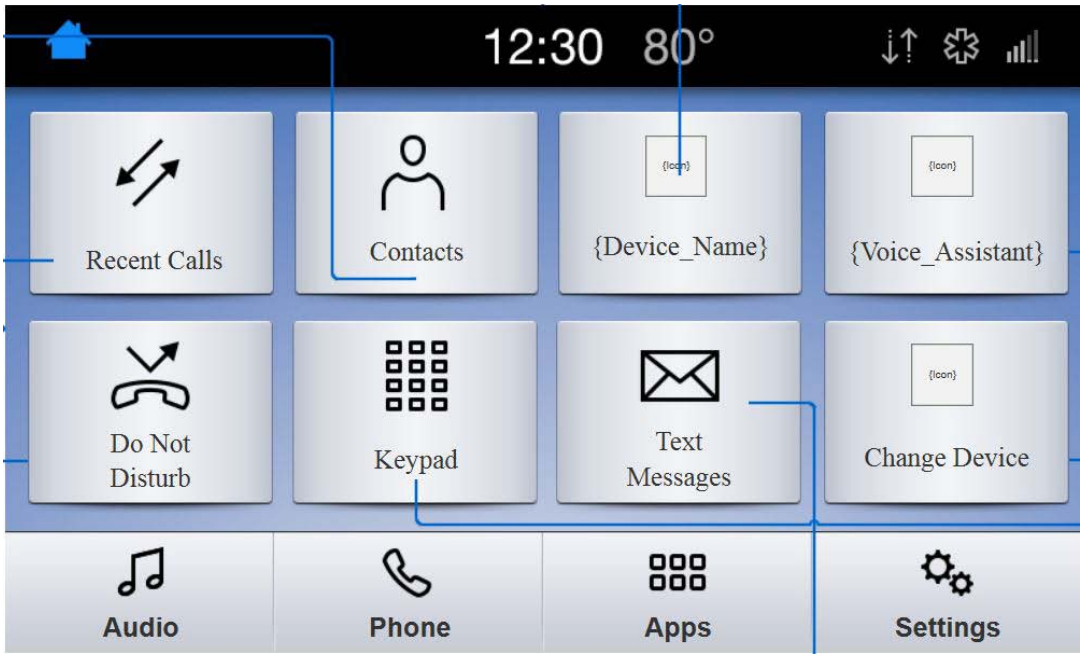


b. Connect Phone

As devices are connected, they will appear on the main screen as a possible connected source. Pressing the icon button for any previously paired device will attempt to connect to that phone (with the highest priority).

c. Connected Device

When a device is connected, the device will transmit information from the phone to be displayed and controlled in the Connected Device screen. When a connected device is selected, a main screen for that device will be displayed to allow the customer to manage the device. See below.



1. Recent Calls

Displays the list of recent calls. The list will include the following information:

- Name
- Which contact: Mobile, home, work
- Incoming/outgoing
- Time or date of call

2. Contacts

Displays the list of contacts. The initial screen will show the list of names. Selecting a name will change the screen to show more detailed information:

- List of contact numbers: Mobile, home, work (any contacts from mobile phone)
- Contact image if available

3. Device Name

Displays the device name and allows the customer to change the name of the device.

4. Voice Assistant

If the voice assistant is available and turned on from the mobile phone, the button will be enabled. Pressing this button will initiate an active voice assistant session. Pressing the button during an active session will cancel the session.

5. Do Not Disturb

Enables or disables the do not disturb feature. When enabled, the phone will not transfer the call from the device to the infotainment system.

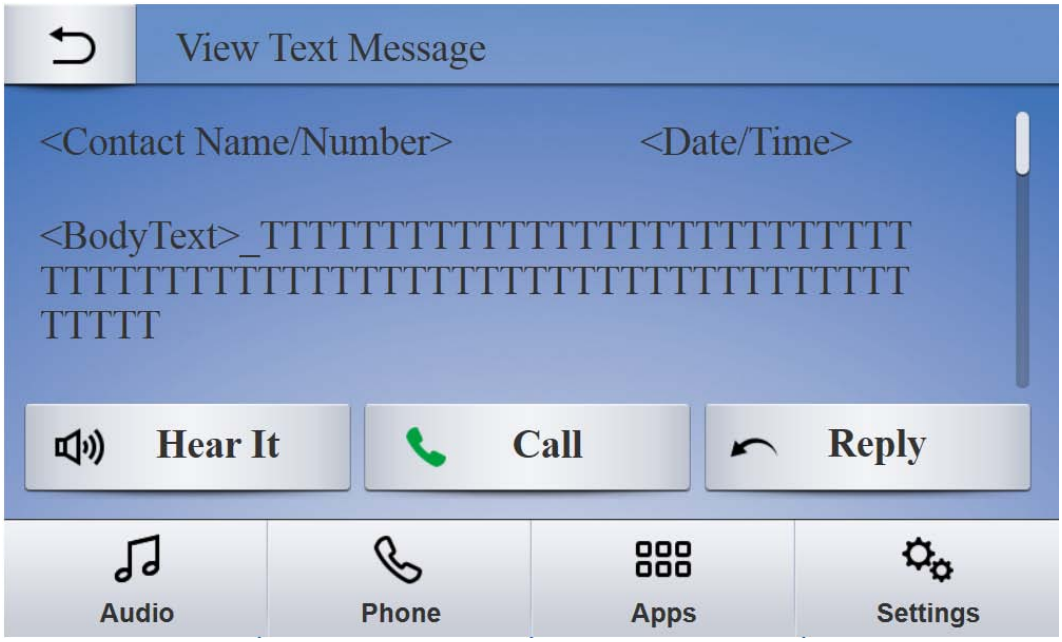
6. Keypad

Displays a keypad to be used to enter a phone number to call.

7. Text Messages

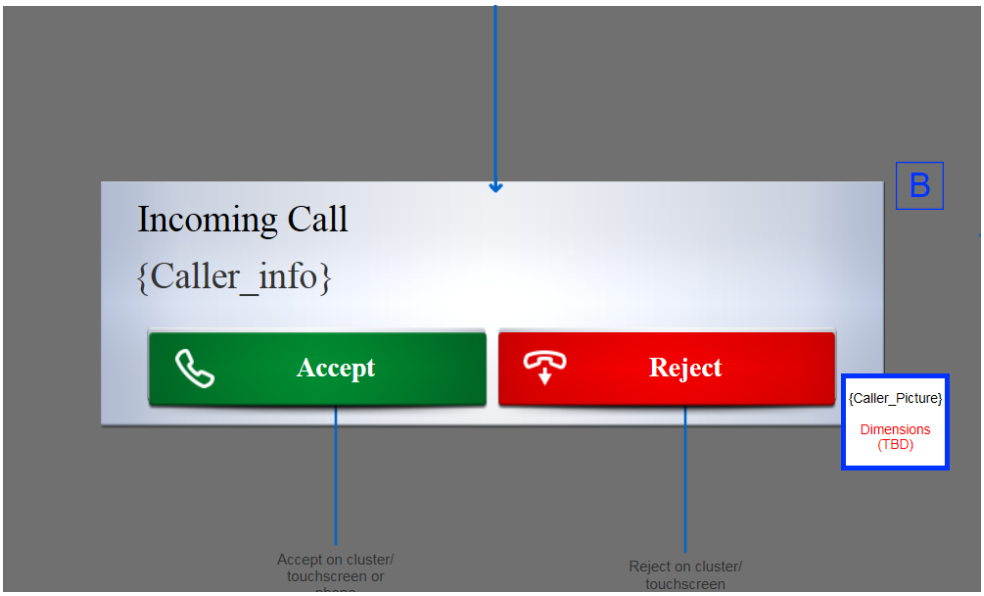
If the mobile phone supports the transfer of text messages, pressing the Message button will attempt to display the text messages on the display. Displays the list of text messages that have been received. If all current messages had been downloaded, the list will be displayed. If there are new messages, the user will be notified of downloading messages, and then the list will be displayed.

- The list will show which messages had been previously reviewed.
- When the HearIt button on the far left is pressed, the message will be audibly read to the user.
- When the line item is pressed, the screen will change to show the View Text display.


View Text Message
<Contact Name/Number>
<Date/Time>
<BodyText>_TTTT

d. Incoming Call

1. No Previous Call Connected



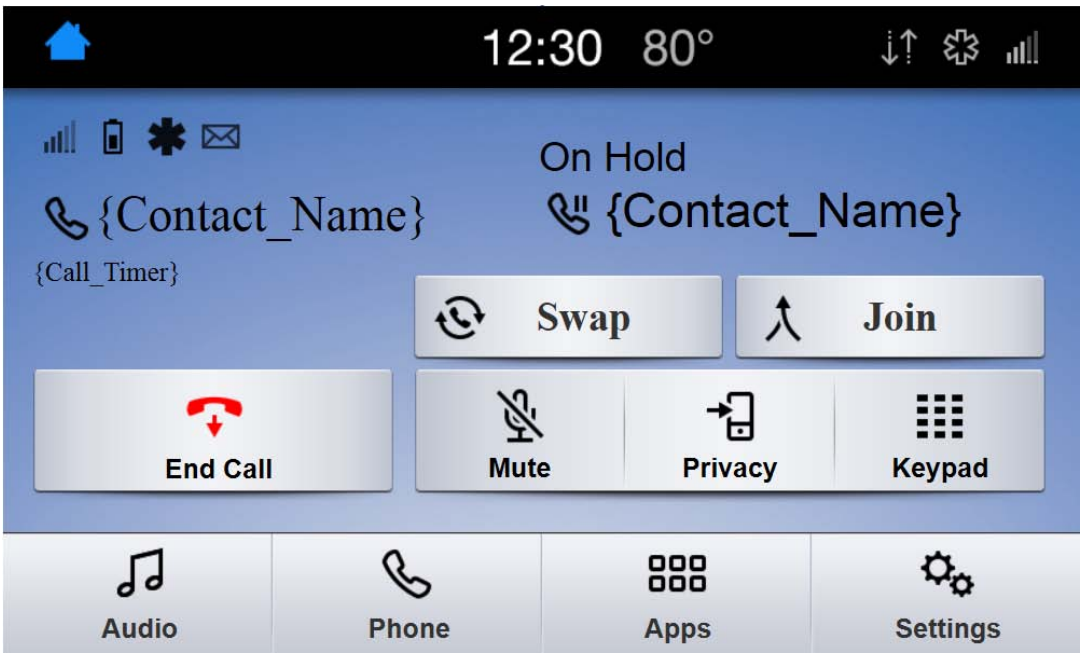
- When an incoming call is recognized, the display will indicate the incoming call and the ringtone will be played.
- The screen will allow the user to accept or reject the call. If the call is rejected, the call will be recorded as a missed call. If the call is accepted, the call will be recorded as a recent call. The steering wheel controls can also be used (see steering wheel controls section).
- If the incoming call number is not on the contact list, the system will not display any contact information.
- If the incoming call is on the contact list, the contact information that is available will be displayed on the screen.

2. Previous Call Connected

If there is an active call when there is an incoming call, the user will see a screen with additional options.

- The user can Reject the call and continue with the current call.
- The user can end the current call and accept the new incoming call.
- The user can place the current call on hold and the new call will be connected. Once the call has ended, the call on hold will be reconnected.

3. Call Connected Features



Once the call is connected, the display will show the connected call screen.

i. Contact Name

Displays the contact name if available. If not available, the phone number will be displayed.

ii. Phone status

Provides icons for the phone status that can be supported by the phone.

iii. Call timer

Displayed the current duration of the call.

iv. End Call

Button to end the call.

v. Mute Microphone

Button to mute the in vehicle microphone.

vi. Privacy

Button to transfer the call audio to the mobile phone.

vii. Keypad

Will provide the DTMF tones and display the keypad digit when pressed.

viii. On Hold

If there is a call is on hold, the contact name on Hold will be displayed, the Microphone mute button will be replaced with a Hold button.

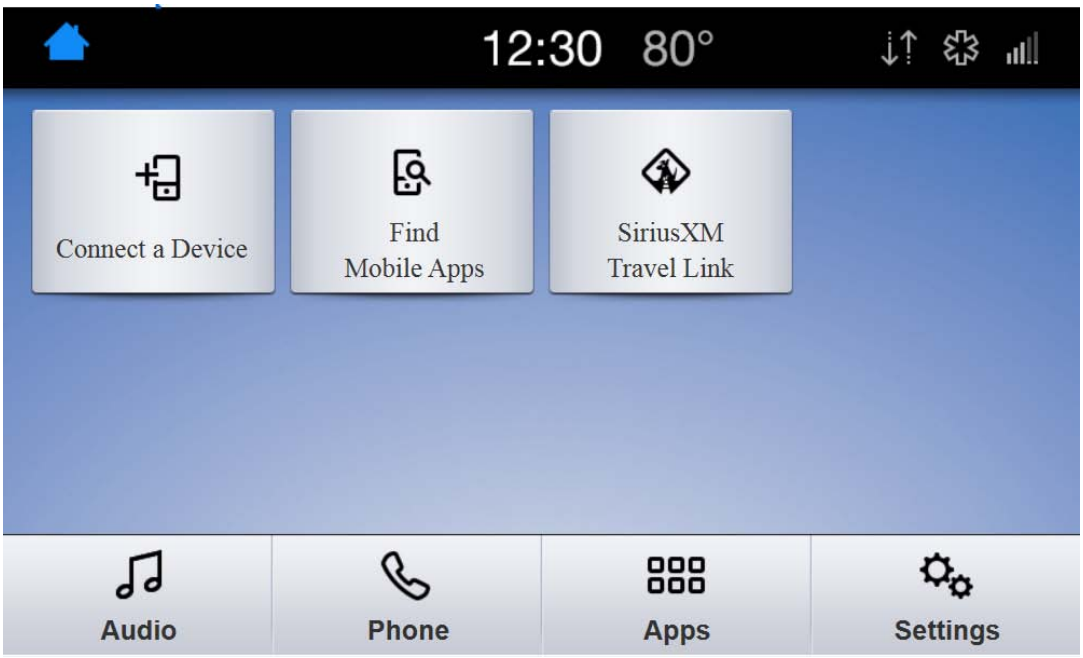
ix. Swap

If there is a call on hold, the user can press, the Swap button to place the active call on hold and activate the call that is on hold. The displays will be updated to show the swapped status.

x. Join

If there is a call on hold, the user can press the Join button to create a conference call with the two calls. Once the second call is active, the screen will indicate a conference call and display the contact name or number that has joined.

7. Apps



Pressing the Apps button on the bottom menu bar will change the screen to the main Apps screen.

a. Connect Device

Pressing this button changes the screen to all ow the selection of already paired devices or to connect to a new device. The currently connected device will be indicated.

Pressing any of the already paired devices will connect to that device

b. Find Mobile Apps

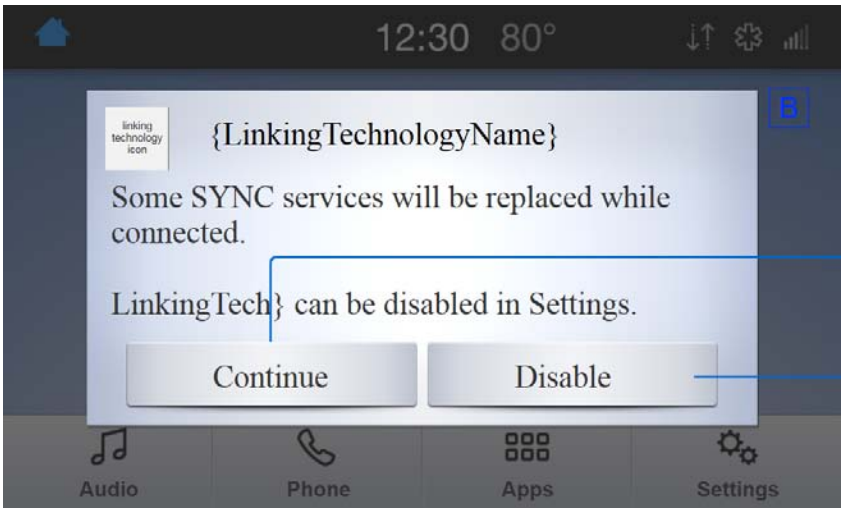
Pressing this button will result in the system searching for apps in the connected device if available.

8. Projection Modes

Possible projection modes, depending on availability in a market: Android Auto, Carplay, Baidu Carlife.

a. First time connection

When a device is connected and will support a projection mode, the screen will display a first time connection to the projection mode.



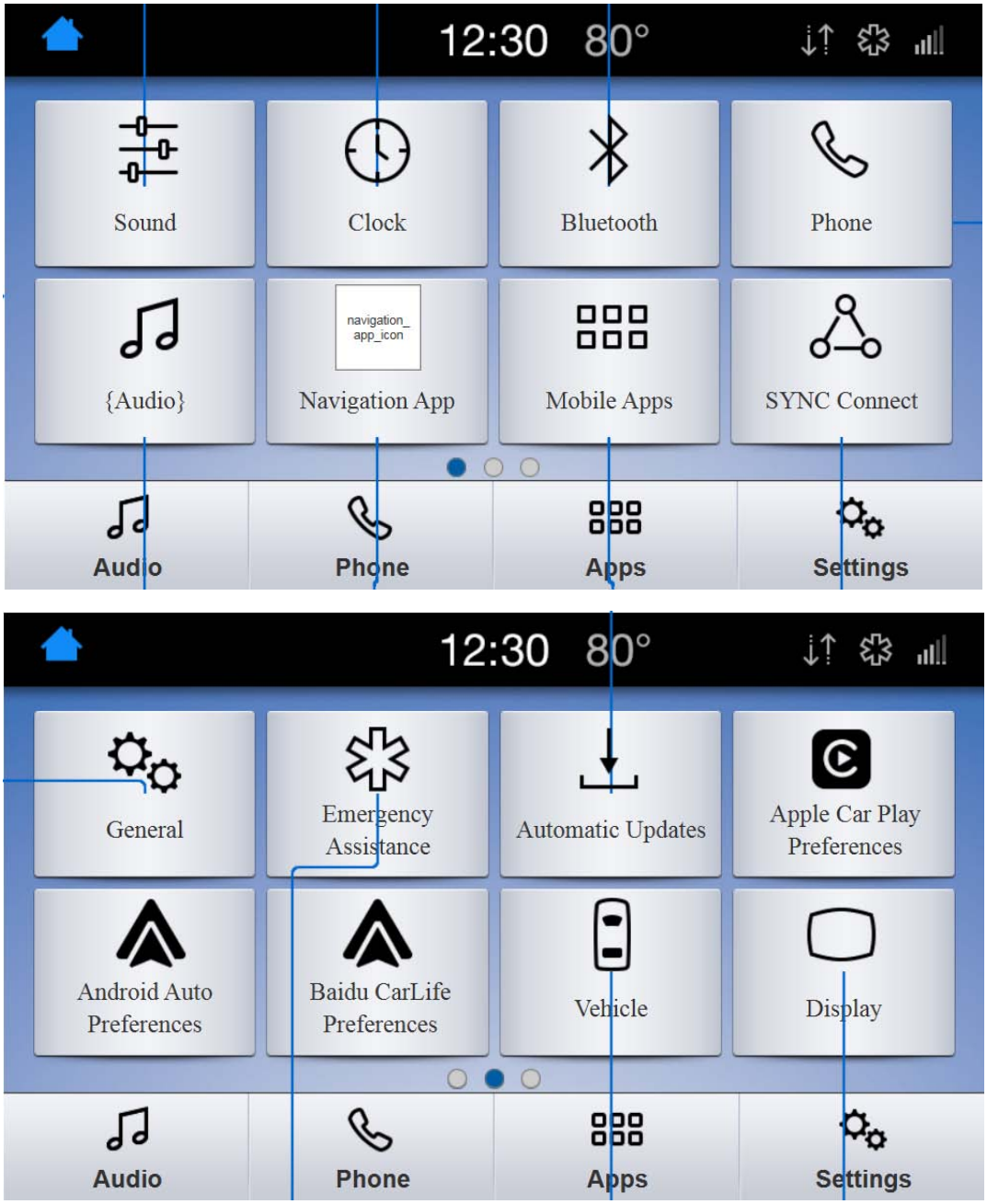
If the selects to continue, the screen will display the specific projection mode privacy and terms of use. The user must agree to proceed with setting up the projection mode.

Once the projection mode is set up, the system will add the following:

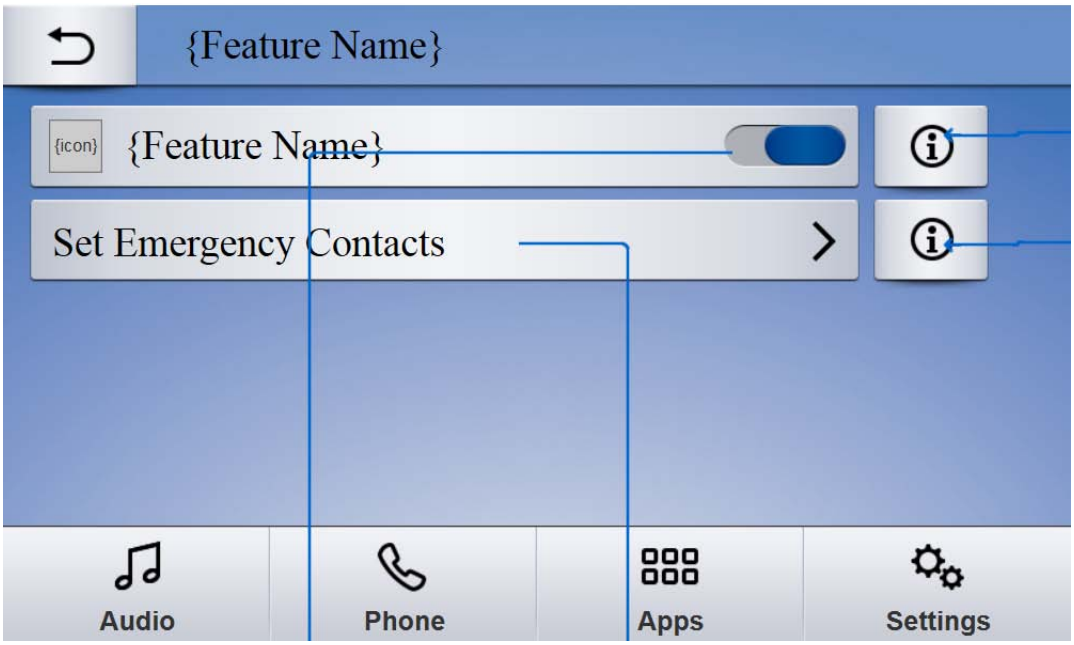
- The Entertainment system will add the projection mode to the Entertainment Sources display.
- The Apps button will be replaced with the connected projection mode.
- Nav Maps button will be displayed if supported.

The system will check for automatic connection to projection modes is set. If set and the connection has successfully completed, the display will transition to the projection screen controlled by the device.

9. Settings


12:30
80°
Sound
Clock
Bluetooth
Phone
{Audio}
navigation_ app_icon
Navigation App
Mobile Apps
SYNC Connect
Audio
Phone
Apps
Settings
12:30
80°
General
Emergency Assistance
Automatic Updates
Apple Car Play Preferences
Android Auto Preferences
Baidu CarLife Preferences
Vehicle
Display
Audio
Phone
Apps
Settings

a. 911 Assist



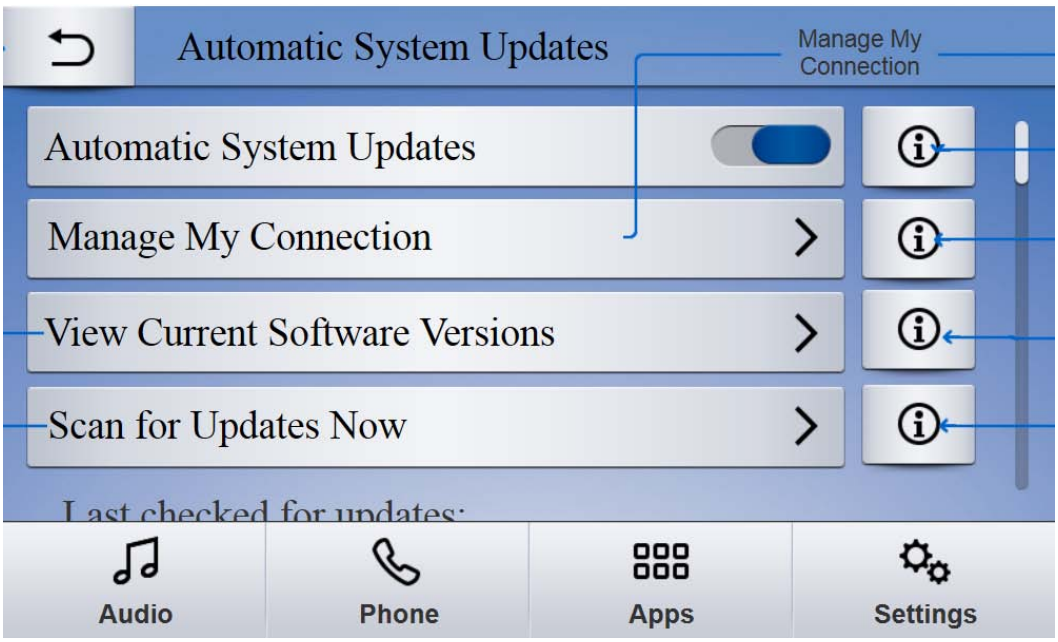
1. 911/Assist Feature

- If a device is connected, a selection to allows the 911 Assist/Emergency Assist to be turned On or Off. If there is no device connected, there will be a message that a connected phone is required.

2. Set Emergency Contacts

- If the phone contacts have been downloaded, there will be a setting to allow a contact to be set for an emergency call.

b. Automatic Updates



1. Automatic System Updates

- User can turn the automatic software downloads On and Off.

2. Manage My Connection

- User can determine the status of connections and be able to connect and disconnect from networks.

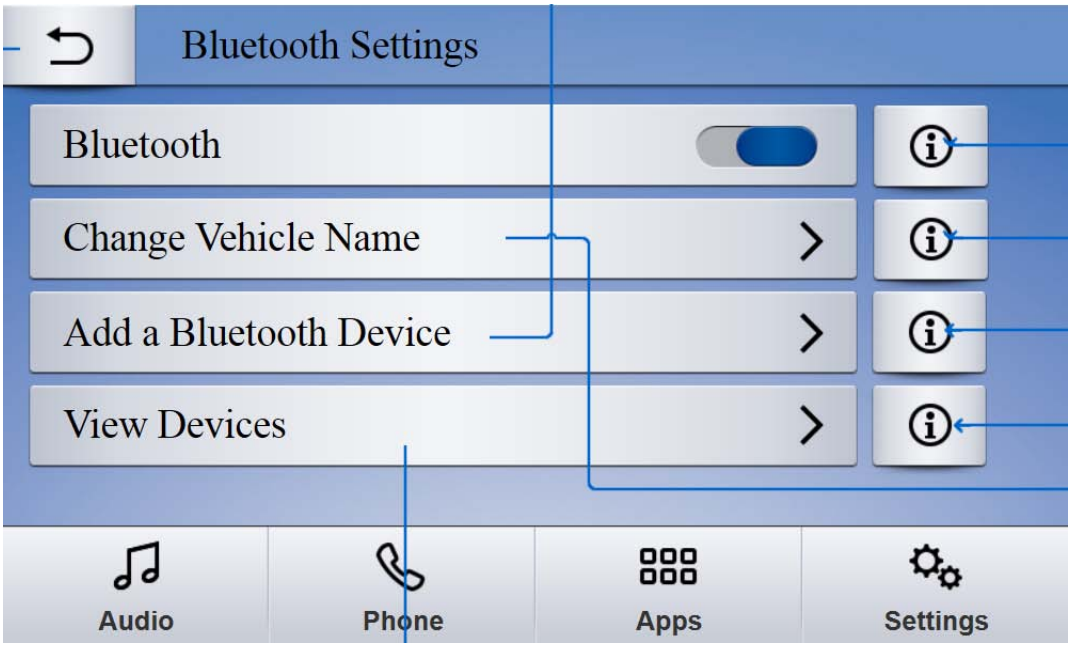
3. View Current Software Versions

- User can view current software versions.

4. Scan for Updates Now

- When connected, the user can check if software updates are available. If updates are available, the system will start the download and shows the progress bar for percentage complete.

c. Bluetooth



1. Bluetooth

- User can select to turn Bluetooth connection On and Off.

2. Change Vehicle Name

- Allows the vehicle name to be changed; the name displayed on the device when pairing or connecting.

3. Add a Bluetooth Device

- Use can add a new Bluetooth device.

4. View Devices

- If at least one device is connected, user will be able to view a list of the available devices.

d. Clock

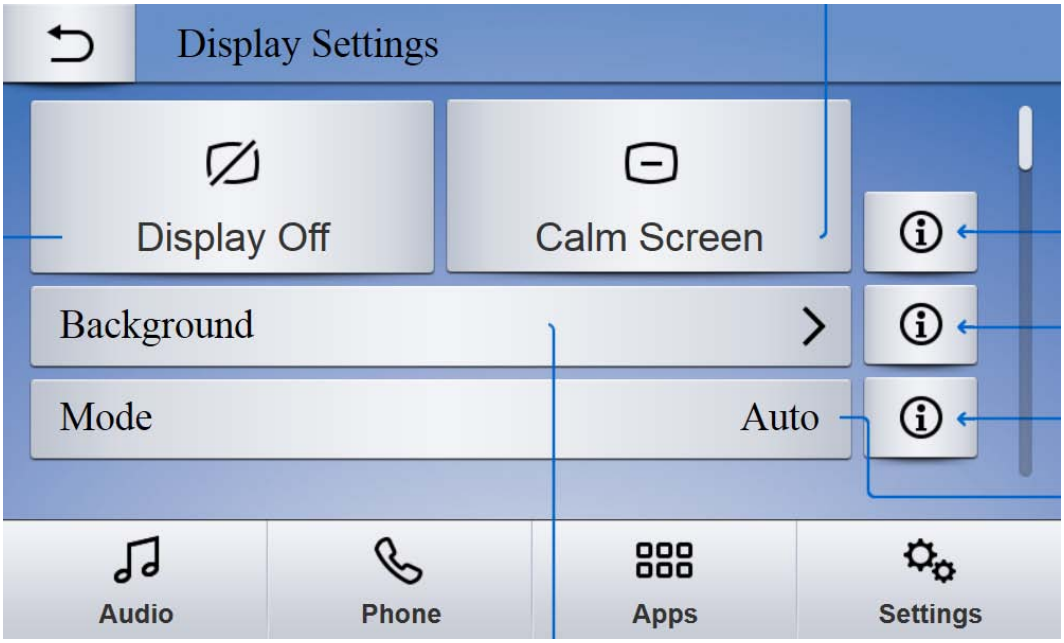
1. Clock Setting

- User can directly change the hours and minutes and AM/PM (for 12h clock mode).

2. Mode

- User can choose from 12 hours clock or 24 hour clock display format.

e. Display



1. Display Off

- User can choose to turn the DisplayOff. If Off is selected, the display will be completely black. Touching any area on the screen will turn the display On.

2. Calm Screen

- User can select to display a Calm Screen (clock display only).

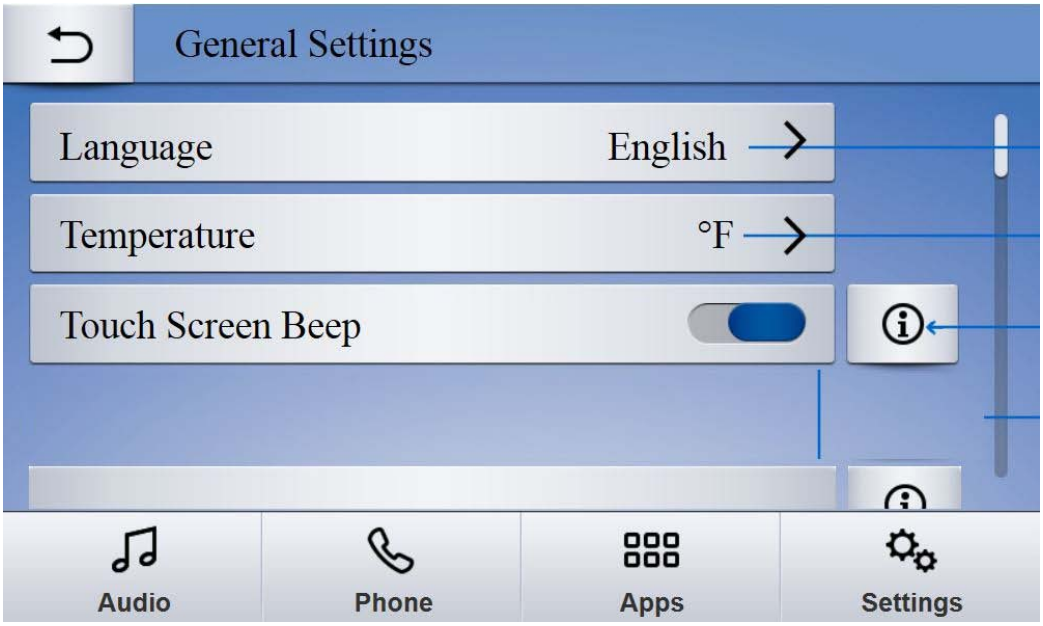
3. Background

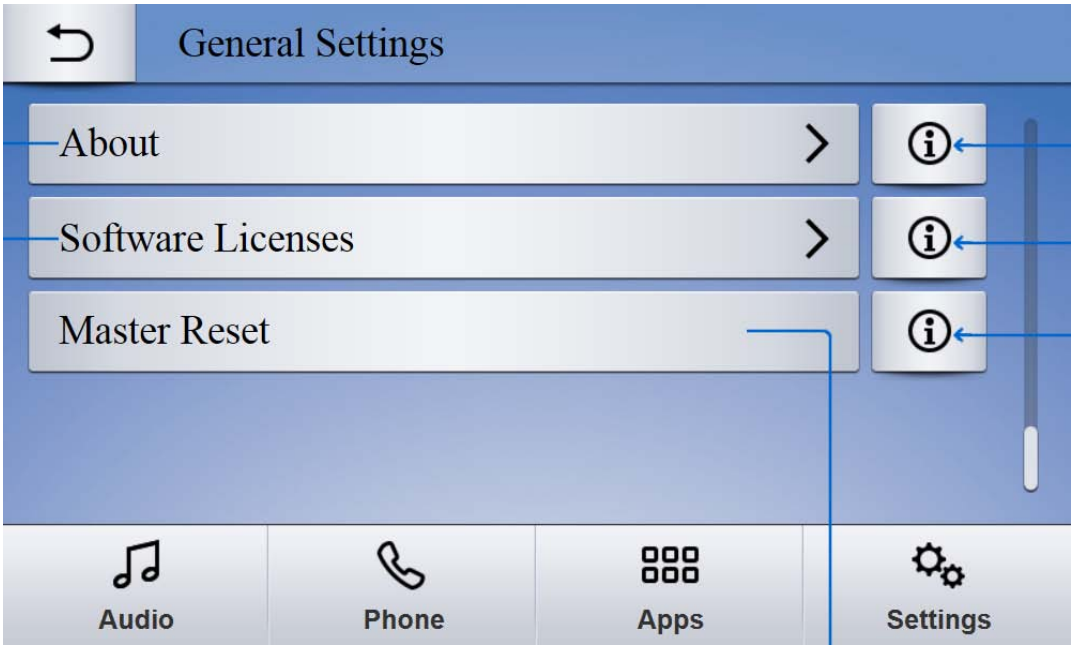
- User can select from a set of backgrounds.

4. Mode

- User can select the mode (Day, Night or Auto)

f. General





1. Language

- Provides a setting to change the language. The list of languages available will depend on the default language.

2. Temperature

- User can change the temperature units between degrees C and F.

3. Touch Screen Beep

- User can turn the touchscreen beeps On and Off.

4. About

- Provides an “About” screen to display software version and some part numbers.

5. Software Licenses

- Provides a screen to show SW license information.

6. Master Reset

- Provides a Master Reset to change settings back to factory default.

g. Mobile Apps

1. Enable Mobile Apps

- User can enable or disable mobile apps connected through Bluetooth.

2. Enable Mobile Apps via USB

- User can enable or disable mobile apps to be connected through USB. If mobile apps are connected using USB, the device may lose the ability to play music over USB.

3. Update Mobile Apps

- User can choose to update the mobile apps.

4. All Apps

- User can select to show all mobile app and change some functionality features.

5. Nav Apps

- User can select an available Nav app.

h. SYNC Connect

The SYNC connect setting supports the Vehicle Hotspot and the Wi-Fi Connectivity settings.

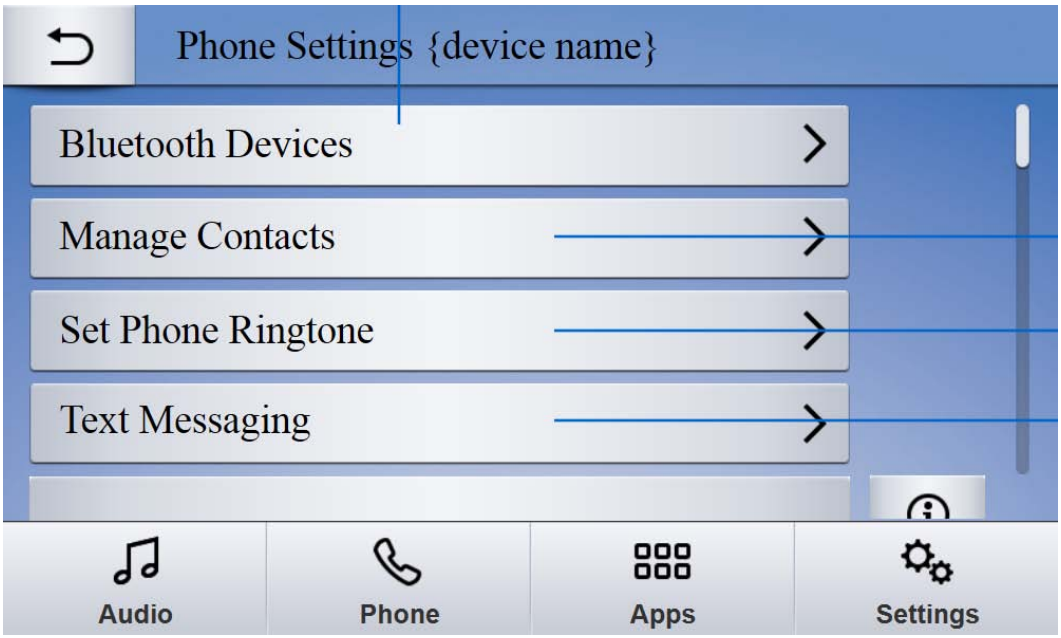
1. Vehicle Hotspot

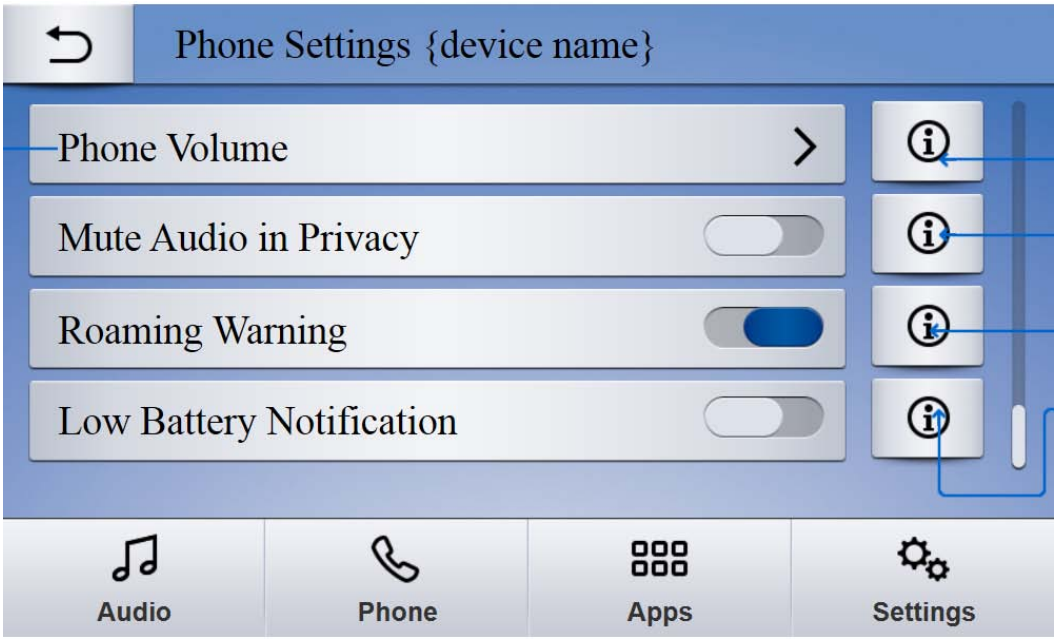
- Will provide a free trial for Provides information for the carrier
- Will provide the ability to manage My Account
- Will provide information about the Hotspot connection availability
- Will provide information about the data usage
- Will show signal strength status

2. Connectivity Settings

- There will be settings to control automatic updates
- Will allow pop-up display to be active or inactive
- Will allow location and vehicle data sharing to be enabled or disabled

i. Phone





1. Bluetooth Devices

- Pressing the Bluetooth Devices button will change the screen to the Bluetooth Settings screen.

2. Manage Contacts

- User can select to automatically download contacts when connected.
- User can select how to sort contacts
- User can choose to reload contacts
- User can delete all contacts from vehicle

3. Set Phone Ringtone

- User can select a ringtone or choose to use the phone ringtone

4. Text Messaging

- User can turn On and Off Text Messaging
- User can edit a list of defined text message responses
- User can choose no audible alert or select an alert when a message is received.

5. Volume

- User can adjust the phone volume independently from the media volume.

6. Mute Audio in Privacy

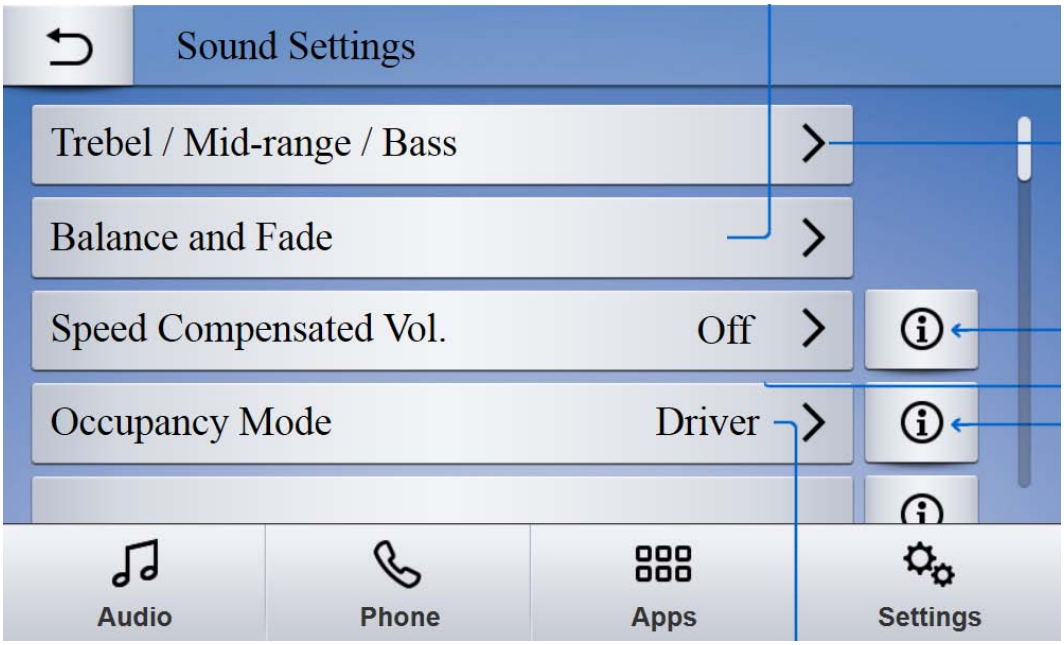
- User can select to mute audio when Privacy Mode is selected

7. Roaming Warning

- User can choose to turn On and Off a roaming warning

8. Low Battery Notification

j. Sound



1. Trebel/Mid-range/Bass

- User can adjust the levels for Treble, Midrange and Bass.

2. Balance and Fade

- User can adjust the levels for balance and fade.

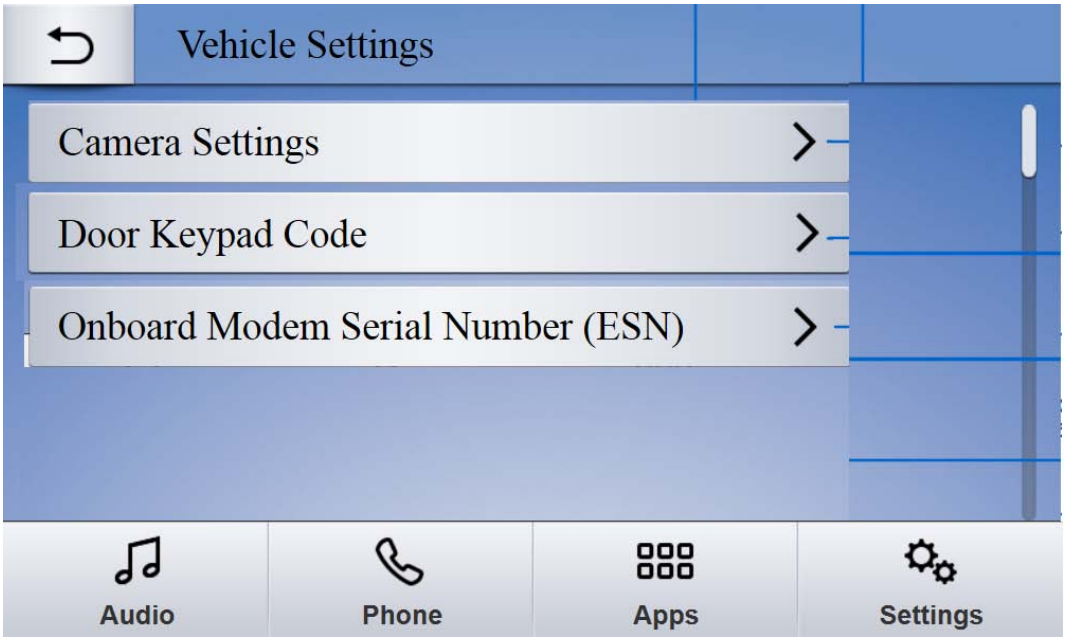
3. Speed Compensated Volume

- User can choose the level of Speed Compensated Volume (OFF, Low, Medium, High)

4. Occupancy Mode

- User can select a setting to tune the audio for the occupancy Mode (Driver or All Seats)

k. Vehicle



1. Camera Settings

- User can select the enhanced parking aid to be turned On and Off.
- User can select to turn On and Off the Rear View camera delay (displaying camera in Forward gear)

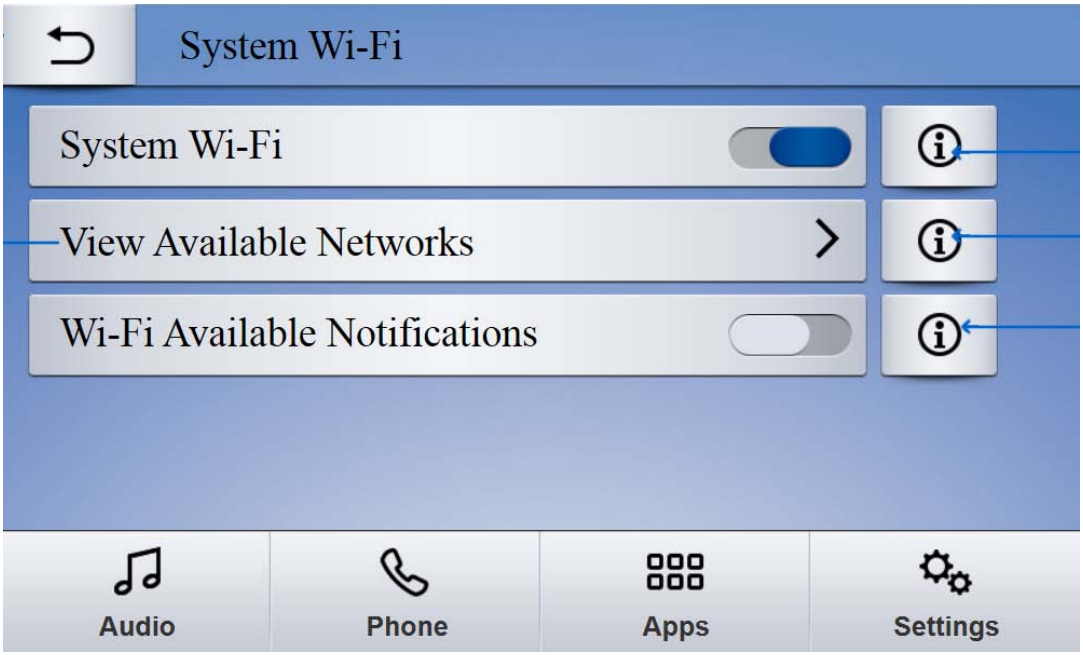
2. Door Keypad Code

- User can reset or edit a door keypad code.

3. Onboard Modem Serial Number (ESN)

- Displays the On-Board Modem ESN (If equipped).

l. Wi-Fi



1. System WiFi

- User can select to turn the Wi-Fi system On and Off.

2. View Available Networks

- User can view available networks.

3. Wi-Fi Available Notifications

- Use can select to turn On and Off the Wi-Fi availability notification.

m. Ambient Lighting

- Allows the customer to change the vehicle ambient lighting color

n. Apple Carplay Preferences

The screen will show the list of devices that have been paired. For each of these devices, there are selections available.

- Has a selection to Turn On and Off the Apple Carplay projection mode.
- Has a selection to show Apple Carplay when device is connected.
- Has a selection to delete the device.

o. Android Auto Preferences

The screen will show the list of devices that have been paired. For each of these devices, there are selections available.

- Has a selection to Turn On and Off the Android Auto projection mode.
- Has a selection to show Android Auto when device is connected.
- Has a selection to delete the device.

p. Baidu Carlife Preferences

The screen will show the list of devices that have been paired. For each of these devices, there are selections available.

- Has a selection to Turn On and Off the Baidu Carlife projection mode.
- Has a selection to show Baidu Carlife when device is connected.
- Has a selection to delete the device.

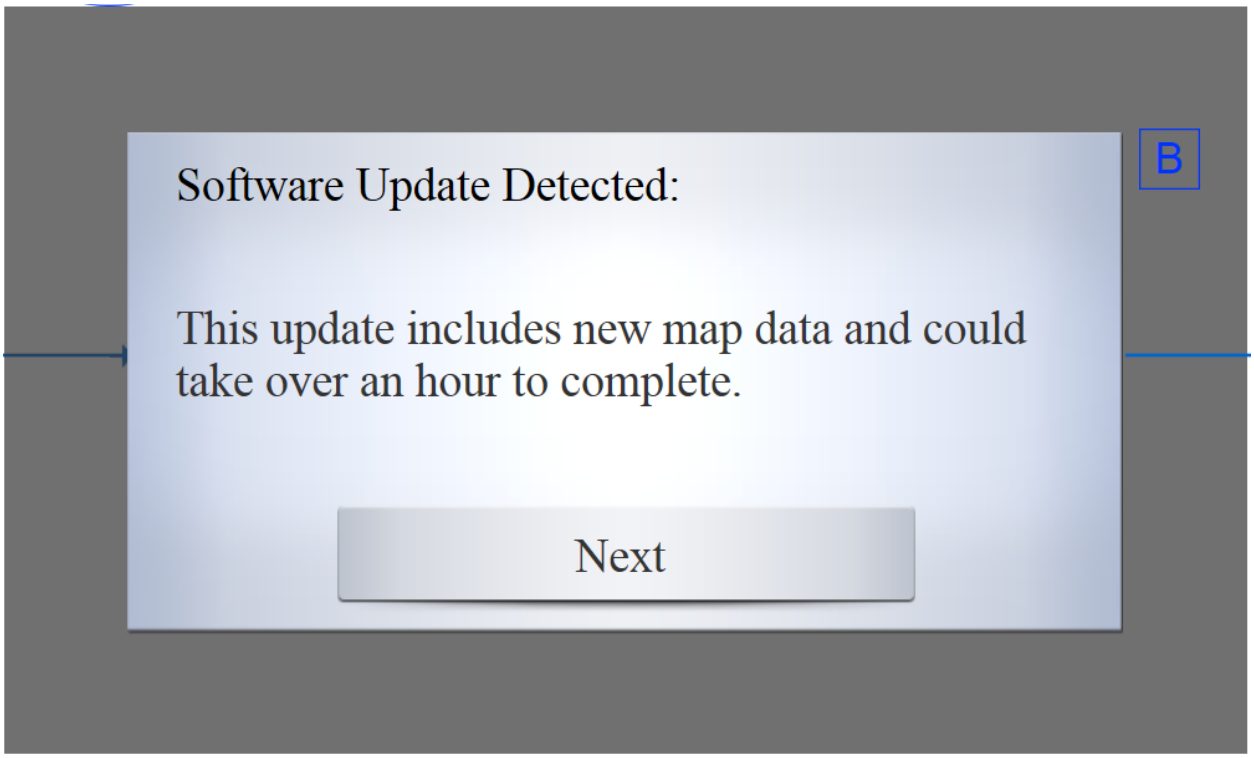
10. Emergency Assist

If the vehicle reports a qualified crash event in a market that support the feature, the infotainment system will support the Emergency Assist feature.

- If the user has turned off the feature, there will be a notification that the Emergency Assistance is Off and the emergency call will not be placed.
- If the feature is turned on and there is no mobile phone connected, the user will be notified that a call cannot be placed.
- If, at any time, the feature is determined to be non-operational, a warning will displayed to indicate this status to the user.
- If the feature is turned on and there is a mobile phone connected, the feature will be active and support the following:
  - A prompt will be played to indicate that the systems will attempt to call 911.
  - A display will inform the user that the call is being placed. The user will have the option to cancel the call using the screen or the steering wheel controls.
  - Once the call is connected, the system will provide Prompts to a PSAP operator with crash information.
  - When the call is connected to the PSAP operator, the screen will indicate that the systems is connected to an emergency operator.

11. Software Updates

When a USB device is inserted, the infotainment system will determine if a software update is available to be downloaded. The user will be informed that a software update is available and indicate some information for the download.



The screen will offer the user to proceed with the software update or decline the update. When the update is completed, the user will see an indication that the Update installation is completed.

12. Nav Map

If a nav map is enabled and available using a projection mode, the Nav Map buttons will appear on the lower menu bar. When pressed, the nav map app will be activated.

13. Vehicle Features

a. Active Park Assist/ Visual Park Assist

- The infotainment display will support many warning and information icons as part of the active and visual park assist

b. Chimes

- The infotainment system will provide many chimes and warnings using the in-vehicle audio system

c. Climate Control

- The infotainment system will support a reduced fan blower speed to limit the noise and enhance the voice recognition
- The infotainment system will provide a pop-up screen to allow the Auto Fan speed to be limited to a level (Low, Medium, High)
- A pop-up will be displayed when the fan blower speed is increased or decreased
- A pop-up will be displayed when the driver or passenger is increased or decreased

d. Emergency Assistance

- When a crash event occurs and the 911/Assist feature is enabled and a connected phone is available, the system will notify the customer and attempt to place a 911/emergency call. The customer will have the option to cancel the call.
- If privacy mode is enabled, the customer will be notified to use the mobile phone to make the call.

e. MyKey

MyKey is a feature that will reduce driver distraction by restricting some functionalities while the vehicle is moving.

- If the Volume Limiter feature is enabled, the infotainment systems will limit the audio volume above a specified speed. A message will be displayed to indicate the volume limit.
- If the Beltminder Mute feature is enabled, the infotainment system will mute the audio system (tuner, media and TA) until the seatbelt is fastened. A message will be displayed to indicate the mute condition.
- If the Mykey is enabled, the Do Not disturb feature will overridden to On.
- If the MyKey is enabled, the 911 Assist will be overridden to On.

f. Rear View Camera

When the vehicle transmission is in reverse, the rear view image will be displayed on the infotainment screen.

g. Wireless Charging

- When a device is charging or attempting to charge, notification or information will be displayed.

- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that my cause undesired operation.

Warning:

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.
MODIFICATION: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the device.