



iRA Infotainment System

User Manual

Dear Customer,

Welcome to the Infotainment System User's Manual. The infotainment system in your vehicle provides you with state of the art in-car entertainment to enhance your driving experience.

Before using the infotainment system for the first time, please ensure that you read this manual carefully. The manual will familiarize you with the infotainment system of your car and its functionalities. It also contains instructions on how to use the infotainment system in a safe and effective manner.

We insist that all service and maintenance of the infotainment system of your car must be done only at authorized TATA service centers. Incorrect installation or servicing can cause permanent damage to the system. If you have any further questions about the infotainment system, please contact the nearest Tata Dealership. We will be happy to answer your queries and value your feedback.

We wish you a safe and connected drive

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1 ABOUT THIS MANUAL

This guide introduces you to the Infotainment system and Instrument Cluster details its feature, controls, options, and operations.

In addition, the guide contains:

- Illustrations to provide orientations or identification of various options like buttons and menus.
- Cautions related to a topic such as Danger alerts, Security alerts, Warning statements, Caution notices and General notes.
- A list of abbreviations used in this guide with their explanation.
- An alphabetical index for quick identification of required topics.

Conventions



DANGER

Text that indicates to actions that might cause harm to personnel.



WARNING

Text that indicates to actions that might cause harm to the equipment.



CAUTION

Text that calls for attention.

Safety Guidelines



DANGER

The infotainment system must be used in a way that allows you to drive the vehicle safely always. Failure to do so may result in an accident involving serious injury or death.

Keep this manual in the vehicle, so it will be handy for you to refer, when needed. If you sell or lend the vehicle, make sure this manual is available in the vehicle along with other standard booklets.

Please read and follow the safety guidelines listed in this section to avoid injury or property damage.

General Safety Guidelines



WARNING

The infotainment system is a sophisticated electronic device. Do not allow improper access of the infotainment system.



DANGER

Permanent hearing loss may occur if you play your music at loud volumes for prolonged duration. Exercise caution when setting the volume of your infotainment system.



DANGER

Exposure of the infotainment system to water or excessive moisture can cause electric shocks, fire, or other damages.

Safety Guidelines while Driving



DANGER

Glance at the screen of the infotainment system only when necessary and safe to do so. If prolonged viewing of the

screen is necessary, park in a safe location and engage the hand brake.



Make certain that the volume level of the infotainment system is set to a level that allows you to hear outside traffic and other warnings.

System Care and Maintenance

Exert utmost care while handling the infotainment system as partial or complete loss of the infotainment system functions due to intentional misuse is not covered under warranty. Some guidance for using or maintaining the system are listed below:



Parking under direct sunlight for prolonged duration can result in high temperatures inside your car, which can damage your infotainment system, if used. So, before using the system let the car interior to cool down.



Do not open the infotainment system as incorrect handling can damage the system. Further, warranty is void, if seal is broken.



Do not replace the vehicle speakers or fit additional speakers with after-market speakers. It may lead to the malfunctioning or even damage of the infotainment system.



Do not apply sticky or strong alcohol-based spray, lotion or liquid on the infotainment system while cleaning the vehicle dashboard. This may cause permanent damage to the system button functions, knob operations or the display screen. It may also lead to the deterioration of the system paint.

**WARNING**

Usage of paint or color on the infotainment system can make the moving parts sticky and stop them from functioning correctly.

**WARNING**

Avoid addition of any accessories such as external amplifiers, which will lead to the modification of the standard factory wiring connections. As such unauthorized interconnections, can result in the malfunctioning of the infotainment system. Always contact the Tata dealer for changes to the vehicle or system.

**WARNING**

Ensure that any liquid does not enter the infotainment system, as it will lead to the failure of radio. The warranty of the system will be void, if liquid ingress marks are observed inside the system.

**WARNING**

Do not use excessive force while handling the infotainment system, USB slot and so on. It might cause damage to the system or component.

**WARNING**

Avoid usage of hard or sharp objects like pen, key, USB stick etc. to touch the screen, as it can cause scratches on the screen surface.

**WARNING**

Use a soft, clean and dry-cleaning cloth to clean the touch screen surface. If required, use a lint-free cloth damped with a cleaning solution such as isopropyl alcohol, or an isopropyl alcohol and water solution ratio of 50:50. Be sure to follow the solvent manufacturer's precautions and directions.



WARNING

Avoid spraying or spilling of cleaning solutions, perfumes, car fresheners, beverages, caustic chemicals or any liquids on the touch screen surface, as it can damage the screen or the infotainment system.

Trademarks

Apple CarPlay, Siri, and iPhone are trademarks of Apple Inc., registered in the U.S. and Other countries. Android and Android Auto are trademarks of Google Inc.

Warranty

The warranty clauses applicable to the infotainment system are listed below:

1. Warranty is applicable in India only.
2. Warranty for the product is against defective materials and manufacturing faults for 4 years / 2 lakh kms (whichever comes earlier) from the date of the first sale of vehicle.
3. Display and touch panel, if applicable to your system, are covered for 36 months / 60000 kms from the date of the first sale of vehicle.
4. Warranty is expressly not applicable under the following conditions:
 - Where the product has been dismantled, repaired, altered, modified, or damaged due to user negligence and misuse.
 - The serial number of the product been removed, defaced, or altered.
 - Warranty void sticker is removed or tampered.
 - Improper usage such as wrong electrical supply/voltage setting causing damage to the equipment.

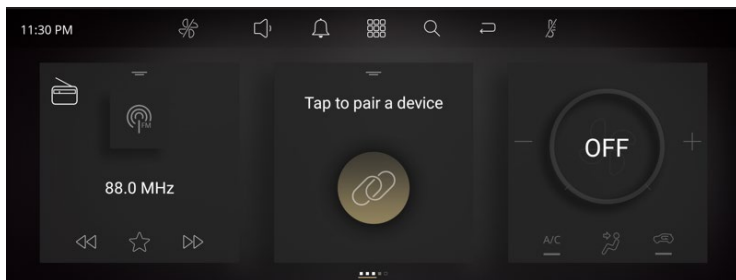
Infotainment Persona

The theme of the infotainment system depends on the vehicle variant.

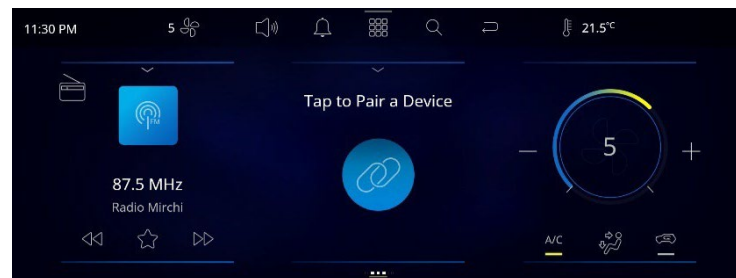
You will be able to see different skin/theme of the infotainment system based on the vehicle variant.

There are four themes for Harrier infotainment system:

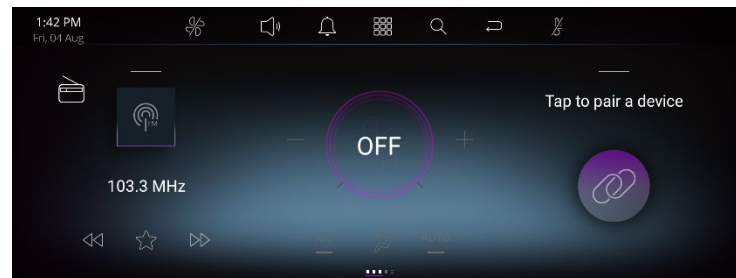
1. Pure



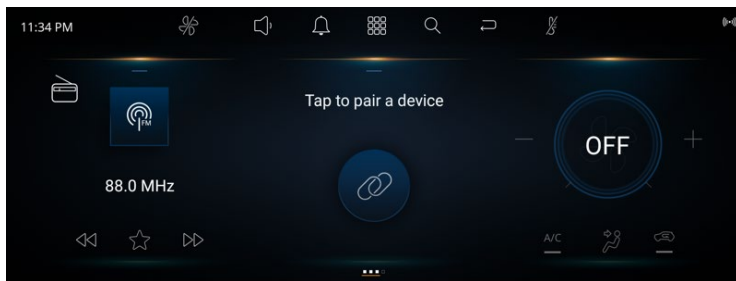
2. Creative



3. Fearless



4. Dark UI



2 INTRODUCTION

Overview

Tata iRA is a powerful multimedia and navigation system featuring a wide touch screen with easy to navigate through touch and swipe controls.

The infotainment system provides an ideal in-car experience, supporting a wide range of media formats and devices. The system's enhanced sound controls ensure that all sources sound great.

Key Features of the multimedia system are:

1. 10.25-inch display with 1920x 720 resolution
2. 4 channels (Non JBL Brand Audio)/ 8 channel (JBL Brand audio) output supported with internal audio amplifier interface.

Note: Channel output is based on vehicle variant.

3. AM and FM Tuner bands with 20 memories each
4. USB, iPod, Wi-Fi/Hotspot and Bluetooth Audio multimedia support
5. Video Playback and Image viewing support from USB source (Pen Driver only)

6. Bluetooth connectivity for pairing with up to ten devices, maximum 1 device can be connected at a time, hands free calling, phonebook access and set favorite contacts capability.
7. Bluetooth remote control support with ConnectNext App
8. Vehicle Controls, like Park Assist System, DRL, Approach Light and Illumination Controls
9. Climate Control from infotainment system
10. Voice Assistance to operate your infotainment system functionality using voice commands.
11. Built in Alexa app, directly talk with Alexa (voice assistant through microphone and speakers
12. Wireless Android Auto™ and Wireless Apple CarPlay™ compatibility for infotainment system.
13. Drive Next Application for real-time driving behavior analysis.
14. Display OFF feature for distraction free night drive.
15. Speed Dependent Volume Control
16. Infotainment controls from Steering Wheel Switch Board
17. Mood Light and JBL Mode features to setup the inside cabin lively and give amazing driving experience.
18. Current and Live Location sharing application
19. Emergency and Break down calling feature.
20. Driver Assistance and advanced safety features such as
 - a. Front Collision Warning System

- b. Traffic Sign Recognition
- c. High Beam Assist
- d. Lane Departure Warning
- e. Rear Cross Traffic Alert
- f. Blind Spot Monitoring

Note: Feature availability depends on the Vehicle Variant

3 GETTING STARTED

The system delivers entertainment and information, while helping drivers keep their eyes on the road and their hands on the wheel. You can control the infotainment system via touch screen or steering wheel control.

On-Screen Touch Controls

Refer to the below guidelines on how to touch the screen to operate the system.

Note: Touch the screen using your finger, or a stylus pen.



Select

Tap lightly on the application to select it.



Drag and Drop

Select an application or item you want, then drag and drop it to where you want to place it.



Flick (Quick Scrolling)

Flick on the screen to move quickly up and down in the list.



Select and Hold

Selecting and holding on in the music player will rewind or fast forward the music.



Zoom In – Out

To enlarge the screen, use two fingers and drag in opposite direction.

Steering Wheel Controls

Steering Wheel Controls (SWC) provide you the flexibility of controlling the infotainment.

Figure 1: Buttons on Steering Wheel



Table 1 Buttons on Steering Wheel

Sr. No	Control Elements	Description
1.		Short Press Incoming Phone Call: Accept call.
2.	 Volume Up	Short Press: - To increase the volume by one unit. Long Press: - To increase the volume rapidly
3.	 Volume Down	Short Press: - To decrease the volume by 1 unit. Long Press: - To decrease volume rapidly
4.	 Scroll Up	Short Press: USB, iPod, Video Playback & Bluetooth Audio: Plays the next track. Radio: Plays next preset radio station.

Sr. No	Control Elements	Description
		Long Press: USB: - In Folder Mode: Plays track from next folder. - If Non-folder Mode: Fast Forwards the current track. iPod, Video Playback & Bluetooth Audio: - Fast forwards the current track Radio: Starts Auto Seek up.
5.	 Scroll Down	Short Press: USB, iPod, Video Playback & Bluetooth Audio - If track played duration is less than 3 secs: Plays the previous track. - If track played duration is more than 3 secs: Replays the current track Radio: - Plays previous preset radio station.

Sr. No	Control Elements	Description
		Long Press: USB: - In Folder Mode: Plays track from previous folder. - If Non-folder Mode: Fast rewind the current track. iPod, Video Playback & Bluetooth Audio: - Fast rewinds the current track Radio: - Starts Auto Seek down.
6.		Short Press / Long Press: Toggles between available media sources in below sequence: If Android Auto/Apple CarPlay device not connected:

Sr. No	Control Elements	Description
		- Radio (last band FM / AM) --> USB/iPod--> BT streaming If Android Auto/Apple CarPlay device connected: - Radio (last band FM / AM) --> AA/CPY
7.	 End Call	Short Press & Long Press: - If Incoming Phone Call: Reject call. - If Outgoing Phone Call: Cancel call. - If Active Phone Call: End call.
8.		Short Press: - Activates Native Voice Assistance. Alexa whichever is mapped to this button - Display OFF Mode: Turns on the display and executes selected option. - SMS Readout Popup: Starts reading the SMS. Voice Alert: Cancels Voice Alert and activates native Voice Assistance.

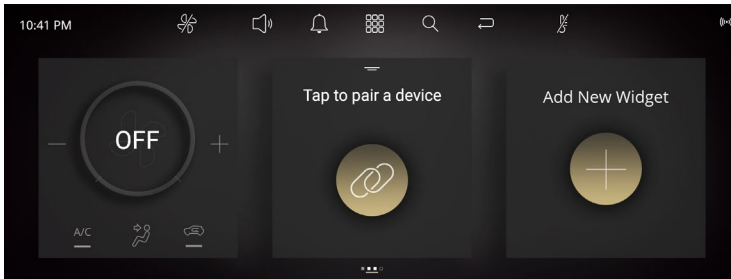
Sr. No	Control Elements	Description
		Outgoing Call, Active Call, Voice Assistance active and SMS Reading: No Action Long Press: - Android Auto/ Apple CarPlay: Activates Google Assistance / Siri (whichever is applicable). - Others: Same as short press.
9.		If Media is Playing: Mutes/Unmutes the track.

System Overview

System ON/OFF

When the vehicle ignition is turned ON, the system will be automatically switched ON and last active audio source playback will start.

Figure 2: System ON – Home / Widget Screen

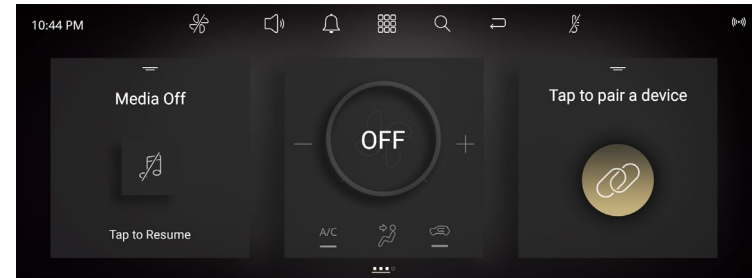


Media Off Mode

For distraction free and quiet Driving, system offers a Media OFF mode. When the infotainment system is ON and open the Quick Access drawer and click Media Off  Icon, the

active audio source will be stopped, and the system will enter Media OFF state.

Figure 3 Media Off Screen



Performing any media related activity will take system out of media off mode and last active source playback will start.

Display Layout

The Home page has space allotted for specific information.

Figure 4 Home Page - Layout



Table 2 Display Layout

Sr. No	Layout
1.	Status Bar
2.	Home Page / Widget Screen
3.	Quick Access Drawer

Status Bar

Status Bar contains following shortcut Icons for easy access

Sr. No	Icons
1	Climate control Icon
2	Volume Control
3	Notification Centre
4	Home Screen /App Launcher Icon
5	Global Search Icon
6	Back Icon

Figure 5 Icons on Status Bar



1. Climate Control Icon

Tap Climate Control  Icon to control HVAC system of the vehicle and set the temperature.

Tap  to increase or  to decrease the temperature.

2. Volume Control Icon

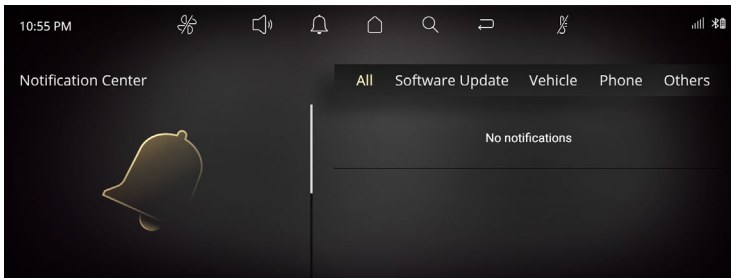
Tap Volume Control  Icon to Increase / Decrease or Mute the volume of the music.

3. Notification Icon

Tap Notification  Icon to view the all the notifications.

Note: Phone Notifications will be displayed if only when phone is connected.

Figure 6 Notification Screen



4. Application Launcher Icon

Tap App Launcher  Icon to view all the applications of the Infotainment system. You can scroll down to view the applications and tap on the icon to open the application.

Figure 7 Applications Screen -1

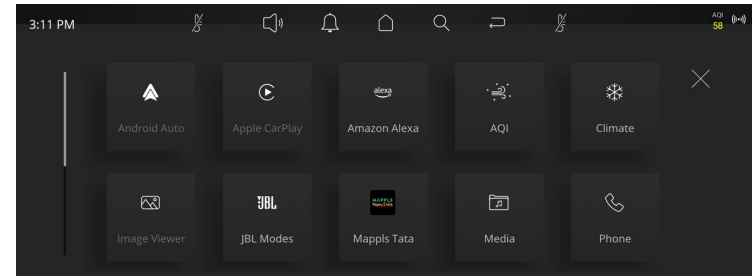
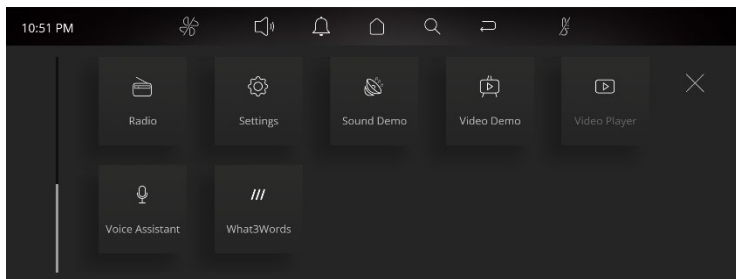


Figure 8 Applications Screen -2

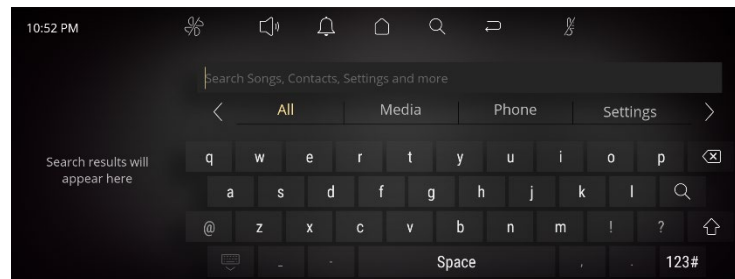


5. Global Search Icon

Tap Search  Icon to search applications, media, or any item on the system.

Note: Keyboard is available until vehicle speed is below 7 KMPH.

Figure 9 Global Search Screen



6. Back Icon

Tap  back icon to go back to previous screen or the Home Screen.

Home / Widget Screen

Widget screen displays Application/Feature set as favorites. You can customize the Widget screen by setting up the Application to be displayed on the home screen for quick access.

Note: Following features can only be added to the Widgets.

1. Radio
2. Media

3. Climate Control
4. DriveNext

Options on Widget Screen

1. Audio Source

This option on the Widget displays the source of audio such as Radio, USB or Phone if connected. Tap the Audio source on the widget to play music.

2. Pair a Device

You can pair a new device through Widget screen. Tap on the Pair device Widget and connect via Bluetooth.

3. Setup New Application on the Widget

To add a new application on the Widget Screen

1. Tap **Add New Widget** option.
2. All the available applications will be displayed.
3. Drag and drop the application you want to view on the Widget Screen.
4. Application successfully added on the Widget Screen for quick access.

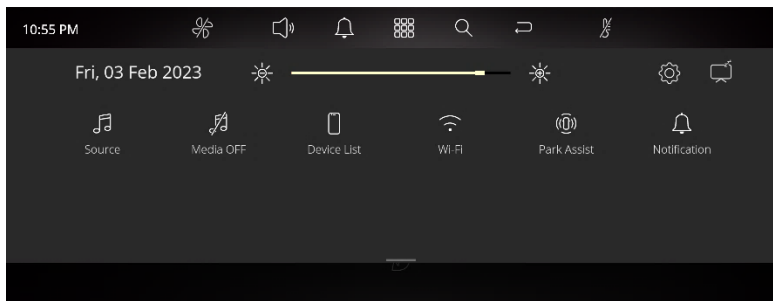
Figure 10 Setup Application on the Widget



Quick Access Drawer (QAD)

Quick Access Drawer gives you shortcut way to access handy features like Brightness control, Media controls, Settings, Display Off, Device information, Notifications and many more.

For a quick and easy access of the system, swipe down from the top to open the Quick Access Drawer.

Figure 11 Icons on QAD**Icons on QAD****1. Brightness**

This icon helps to change the brightness of the Infotainment display.

2. Settings

This icon is a shortcut to Settings Application. Tap the Settings icon to view and setup various settings as detailed in Settings chapter.

3. Display Off

To put the display into sleep mode, tap the Display OFF icon.

4. Quick Access Icons

- a. Media Source
- b. Media Off
- c. Device List
- d. Wi-Fi
- e. Park Assist
- f. Notifications

4 APPLICATIONS

Media

The infotainment system supports the following media sources from which you can play music, videos, and view pictures:

- USB
- Bluetooth Audio
- iPhone as an iPod
- Android Auto
- Apple CarPlay

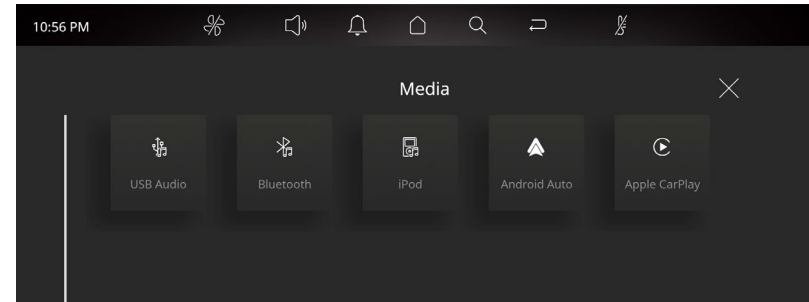
Connecting to a Media Source

Pen Drive: Pen Drive must be connected to the system for them to be recognized and accessed. Refer to your vehicle Owner's Manual for information on how to connect the USB devices.

Bluetooth Audio: Bluetooth devices do not require any physical connection with the system. Once you enable Bluetooth feature in the media device and the system, both

the devices can be connected and paired with each other for them to be recognized and accessed.

Figure 12 Media Screen



Note: The supported audio formats are aac, .mp3, .wav and .wma.

Note: The supported video formats are .mp4 and .avi.

Selecting a Media Source

If multiple media sources are connected to the infotainment system or to play a particular media source that was stopped earlier, you can select the required source from the list of available Media Sources.

To select the required media source:

1. Tap the Media Source icon on the Widgets Home screen. The system displays the source drawer and plays the media source that was played last if the source is still connected.
2. If no source is connected, select the required currently available media source. The system plays music track from the selected source.

Music Related Functions

The system allows you to perform the following Media operations:

- Play/Pause music.
- Repeat music track.
- Shuffle music tracks in a folder/media source
- Play next/previous music tracks.
- Perform fast forward/fast rewind.
- Play next/previous folder.
- Browse through the media content available for USB Playback source only.
- View Pictures via USB.

- Play Videos via USB.

Note: For iPod, Playback sources, Repeat and Shuffle functions can be controlled by device only

Note: For BT, AA and Apple CarPlay repeat shuffle functions are device specific

Play/Pause

- In the Media screen, tap Play  or pause  on the screen.

Note: If the system comes across a corrupt music track in your media source, the system tries to play the track and after 2 seconds automatically moves to the next music track in the media source.

Repeat

To repeat a track or tracks in a folder:

- In the Media screen, press the Repeat  icon to switch On/Off repeat functionality.
- Repeat Once: The system repeats the current track and displays a '1' above the Repeat  icon to indicate the repeat once action.

- Repeat All: When you press the Repeat icon again, the system repeats all the songs. In case of USB, by default the system repeats all the songs. In case of iPod, you can switch On/Off repeat.

Shuffle

You can enable the system to randomly select and play music tracks available in a folder or all music tracks in the media source, instead of playing them in the sequence they are stored.

To Shuffle music tracks in a folder/media source:

- In the Media screen, press the Shuffle  Icon to On/Off the shuffle. The system randomly plays all tracks in the current folder or all music tracks in the current media source.

View Next/Previous Music Track Names

When in a music track, the system allows you to view the next/previous music track names. This functionality is supported only for USB and iPod devices.

In the Media screen, Tap the Menu icon to view the next/previous music track.

Play Next/Previous Music Tracks

While playing a music track, the system allows you to play the next/previous music tracks.

To play the next/previous music tracks

- In the Media screen, tap on the Next Track  icon or the Previous Track icon to play the next/previous track  respectively, or
- Short Press the Up or Down switches from Steering Wheel to play the next/previous track respectively

Perform Fast Forward/Fast Rewind

You can fast forward or fast rewind the music tracks to quickly complete playing them and move ahead or backward in the folder.

To fast forward or fast rewind:

- In the Media screen, long tap on the Next Track  icon or the Previous Track icon to play the next/previous track  respectively, or
- Long Press the Seek Up or Seek Down button from Button Panel to play the next/previous track, respectively.

Play Next/Previous Folder

While playing a music track from the USB Stick, the system allows you to shift to the next/previous folder and play the music tracks in them.

Note: This functionality is supported only for USB.

To shift to the next/previous folder:

- In the Media screen, tap on the Folder Up  or the Folder Down  icon to shift to the next or previous folder respectively. The system plays the first music track in the selected folder, or
- Long Press Up or Down switches from Steering Wheel.

Media Browsing

You can perform a category-based browsing of media content stored in a media device.

Note: The types of categories supported will depend on the Media source/device.

To browse through the media content:

- In the Media screen, tap the Browse  icon. The system displays the Browse screen with applicable categories list.
- Select the required category from the list. The system displays the music tracks grouped under the selection.
- From the available music tracks, chose the required music track. The system plays the selected music track.

View Pictures

If your USB media device has picture files, you can view them in the infotainment system. The system supports viewing of JPEG, BMP and PNG picture file formats.

Accessing the Picture Files

- You can view picture files by using the picture viewer application.

Note: The feature is unavailable when the vehicle is in motion. While driving, if you select a picture file, the system displays a popup message warning you not to open picture files while driving.

Note: While viewing picture files, if you start and drive your vehicle, and the vehicle reaches a speed of 5 km/hr or more, the system closes the picture viewer and displays a

popup message indicating that the picture viewer is unavailable at high speed.

Watch Videos

If your USB media device contains video files, you can play them in the infotainment system. The system supports playback of .mp4 and .avi video file formats.

Note: While playing video files, if you start and drive your vehicle and the vehicle reaches a speed of 5 km/h or more, the system closes the video playback screen and displays a popup message indicating that the video playback is unavailable at high speed.

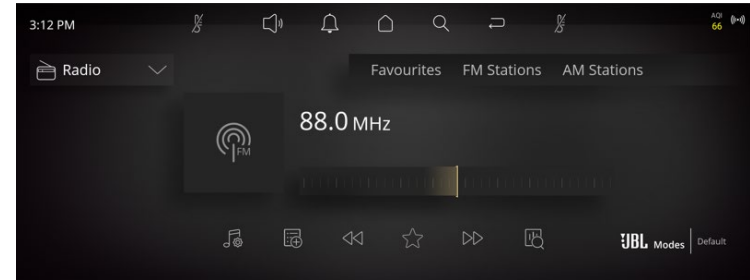
Radio

The iRA infotainment system supports both AM and FM bands.

To access Radio:

1. Tap Radio Application displayed on the Widget Screen or Tap the App Launcher icon and select Radio.
2. Tap on FM Stations or AM Stations
3. Tap Scan  icon to scan the radio station. You can scan the station from steering wheel as well.
4. Once the radio station is selected, you can set as favorite by tapping the favorite  icon.

Figure 13 Radio Screen



Radio Operations

The system allows you to perform the following radio operations:

- Tuning Radio stations
- Auto Store

Tuning Radio Stations

The infotainment system supports Manual as well as Auto store.

Manual Tuning

To perform Manual Tuning:

1. Slide left/right your finger on Radio screen rotary element and tune the frequency as per your need, or you can scan the station from steering wheel as well

Auto Tuning

To perform Auto tuning:

1. Tap Seek up  Seek Down  icon or
2. Long Press Up or Down switches from Steering Wheel Controls

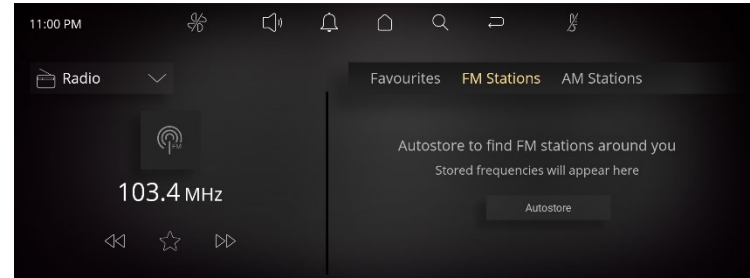
Auto Store

The infotainment system provides the option of automatically searching and storing available radio stations as presets. When initiated, the Auto Store feature stores the available stations, in the ascending order of their frequency, in the pre-sets bar.

To perform Auto store

1. Tap Browse on Radio Screen, the system will display various options.
2. Navigate to Autostore and touch on screen to start Auto Store.

Figure 14 Auto Store



The system will search for the available radio stations and when found, you can tune in the station from the list displayed.

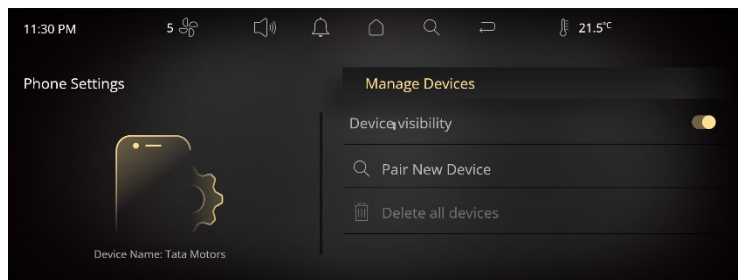
Phone

Using the Bluetooth capability, you can connect your phone to the infotainment system.

Once both the devices are paired, you can

- Access the phone contents like contacts, call logs, music and so on through the system.
- Make or attend phone calls even while driving through the infotainment system with hands-free capability.

Figure 15 Manage Devices



Device Visibility

To enable or disable the visibility of the system:

Enable the Bluetooth visibility of the infotainment system so that even other devices with Bluetooth capabilities can now search and view the infotainment system.

1. Tap Phone Settings to view the Setup options.
2. Navigate to and select the Phone Setting option. The system displays the various options for managing the Bluetooth capabilities of the system.
3. In the Phone Setting options, navigate to and select Bluetooth Visibility. When set, the system will be visible to other devices when they initiate a Bluetooth devices search. If the visibility is not enabled, the system will not be listed when other devices search for Bluetooth devices.

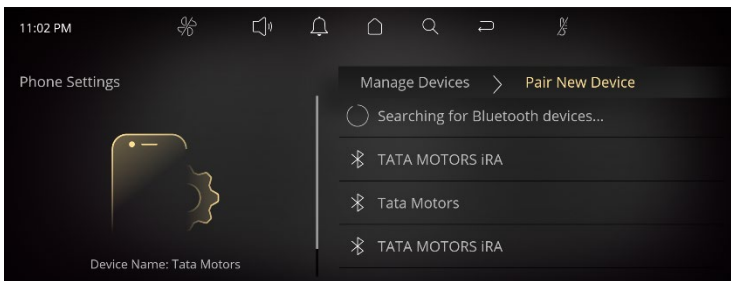
Pair New Device

Connecting your phone with the infotainment system is called as pairing. The infotainment system supports a maximum of 10 paired devices. A device once paired need not be paired again unless the pairing is deleted. A phone with an existing pairing with the infotainment system will be automatically connected when Bluetooth is enabled in both the devices and the phone is within the range of the system.

To connect your Bluetooth enabled phone with the infotainment system:

1. In the Phone Setup options, navigate to and select Pair New Device option. The system searches for Bluetooth enabled devices within its range.
2. Navigate to and select the required phone from the list of currently available Bluetooth enabled devices.
3. The system prompts you to confirm the Bluetooth pass key of the phone. Select Yes. The system initiates the pairing of the infotainment system and the selected phone. If the pairing is successful, the system displays the phone in the Paired Devices screen. A copy of your phone data like call logs (phone numbers and other contact details) is also created in the system.
4. Tap Allow to allow all the requested notifications of the phone once paired with the Infotainment system via Bluetooth.

Figure 16 Pair New Device



Deleting Devices

To delete a device from the list, Select the device and tap Delete icon

To delete all devices connected to the infotainment system.

1. Tap Delete All devices tab.

Phone Functions

When a mobile phone is paired and connected to the infotainment system, you can manage the following phone operations through the hands-free capability of the system:

- View call log and contacts.
- Make an outgoing call (Last 20 call Logs)
- Accept/reject an incoming call.
- Reject Incoming call with SMS.
- Put a call on hold.
- Manage two calls at a time.
- Conduct a conference call.
- Toggle between the Phone handset and the hands-free capability
- SMS read out by the system.

Viewing Call Logs

You can view all calls, received, or dialed from the infotainment system or missed when connected to the system, in the call log. The system displays up to 20 missed calls, 20 dialed calls and 20 received calls.

To view the call log:

1. In the Phone Browse screen, tap Call Logs. The system displays the details of up to 60 past calls in the Call Log screen.

Viewing Contacts

1. The infotainment system allows you to view up to five thousand contacts stored in your phone book.
2. To view the contacts
 - a. In the Phone Browse screen, tap Contacts. The system displays the Contacts screen with the list of contacts stored in your phone book.

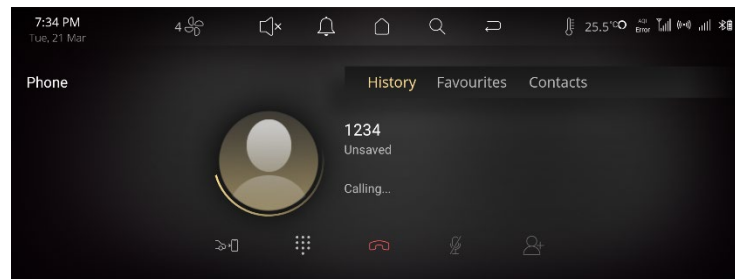
Making Outgoing Calls

The infotainment system supports 5 ways to make a phone call. They are:

- Dialing by selecting the phone number from the call log

- Dialing by selecting the phone number from the contacts
- Dialing the phone number manually using Dialpad
- Dialing by selecting the phone number from the Favorites
- Dialing using voice command.

Figure 17 Outgoing Call Screen

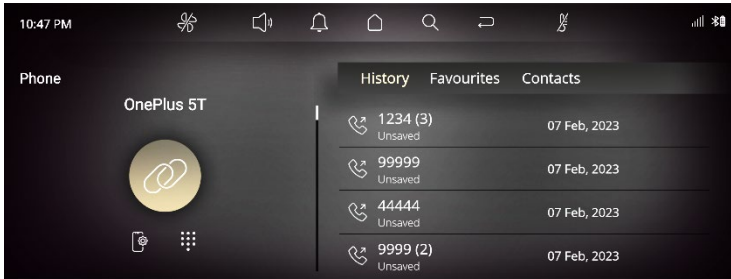


Dialing Using the Call Log

To dial a number from the list of previous calls (call log):

1. Display the call log. Refer to the "Viewing Call Logs" section for information on displaying the call log.
2. Select the required number from the list. The system dials the selected number and initiates the outgoing call.

Figure 18 Call Log Screen



Dialing Using the Contact

To make a call by dialing a number from the contacts:

1. Open the Contacts screen. Refer to the “Viewing Contacts” section for the steps to open the Contacts screen.
2. Navigate through the contacts and select the required number. The system dials the selected number and initiates the outgoing call.

Note: The contact numbers that do not have a name defined for them will be displayed Last in the Contact list with an #.

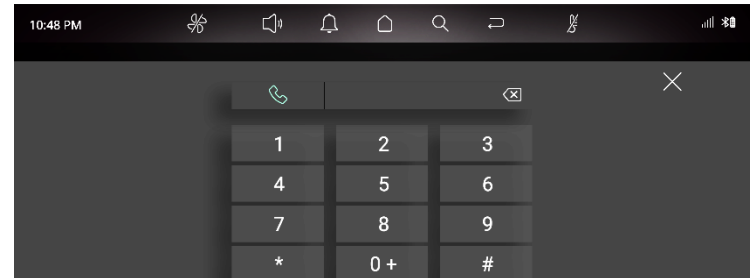
Dialing the Phone Number Manually using Dialpad

To make a call by manually dialing a phone number:

1. In the Phone Browse screen, select the Dialpad. The system displays the Keypad to enter the phone number.
2. Enter the digits of the phone number in the Dialpad.
3. After entering the phone number, tap Call. The system initiates the outgoing call.

Note: The system retains the phone number that was last dialed in the Dialpad. So, to redial the phone number, you can just open the Dialpad and select the Call icon.

Figure 19 Dial Pad



Dialing Using the Favorites

The infotainment system supports marking contacts as favorites. The system also allows you to view and access these favorite contacts separately from the Favorites screen, in addition to the Contacts screen.

Marking a Contact as Favorite

To mark a contact as favorite:

1. In the Contacts screen, select the required contact and tap displayed beside the contact number. The system highlights the star icon, and the contact is marked as favorite.

Note: You can save maximum 20 contacts to the favorite list.

Viewing the Favorites List

You can identify the contacts marked as favorite with the highlighted star in the Contacts screen. All favorite contacts can also be separately viewed in the Favorites screen.

To display the Favorites screen:

1. In the Phone Browse screen, tap Favorites. The system displays the Favorites screen with the list of favorite contacts.

Dialing from Favorite Contact List

To dial a favorite contact

Open the Favorites screen. The system lists all contacts marked as favorite. Navigate to the required favorite contact and tap Call. The system dials the number of the selected favorite contact and initiates the outgoing call.

Accepting/Rejecting Incoming Calls

When you receive a phone call, you can either accept or reject it from the infotainment system.

If your mobile phone is paired and currently connected to the system, the system notifies you with a popup message when you receive a phone call. The system allows you to Accept, Reject or Reject Incoming call with Message.

To accept incoming call:

Select the Accept icon in the popup message. The system connects the call to enable you to talk to the caller.

Note: You can also accept the call using the  button Steering Wheel control.

To reject incoming call:

1. Select the Reject icon in the popup message. The system disconnects the call.

Note: You can also reject the call using the

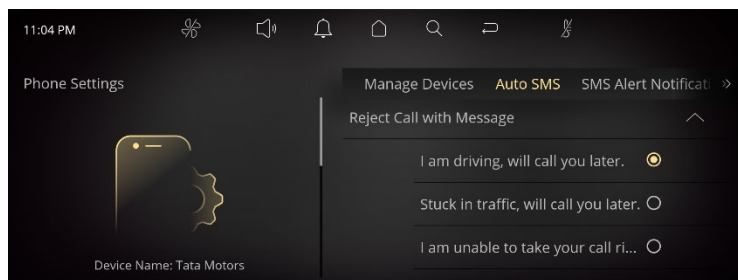


Steering Wheel control.

Reject Incoming call with Message

In the Reject with Message option, the system rejects the call and sends a SMS to the caller with the configured text.

Figure 20 Reject Call with Message



Handling Call Functions

When you are in a call (outgoing or incoming), the system supports you to perform any of the following functions:

- Respond to the Interactive Voice Response (IVR) with the required details.
- Put the call on hold.
- Switch between phone (handset) and system (hands-free) capability
- Accept another incoming call.

- Switch between Calls
- Conduct a conference call by adding another number or by merging two existing calls.

Note: Maximum 5 contacts/ participants can be added to a conference call.

Responding to the IVR

When you have called a contact with Interactive Voice Response (IVR) like customer care number of bank and so on, you will have to enter some details through the phone. For example, you might have to enter your bank account number, when prompted by the IVR. You can use the Dialpad in-call option to enter such details through the infotainment system.

To display the Dialpad and to respond to the IVR with details:

1. In the active call screen, tap Dialpad and enter the details as prompted by the IVR.

Putting a Call on Hold

To put a call on hold:

1. In the active call screen, tap Hold. The system puts the currently active call on hold.

Switching Between Handset and Hands-Free

When in an active call, the system allows you to switch between the phone handset and its hands-free capability and vice versa.

To toggle between phone and system:

In the active call screen, tap Handset  icon to switch the call from system to phone or Handsfree to switch from phone to system.

Accepting Another Incoming Call

When you are in an active call and receive another incoming call, you can put the active call on hold and accept the new call. The system allows you to have a maximum of 2 calls at any given time, one on hold and the other active.

To accept another incoming call:

1. In the active call screen, the system displays a new call popup message with Accept, Reject and Reject with Message icons, when you receive a new incoming call. Select Accept in the new call popup message. The system puts the first call on hold and activates the new call.

Switching Between Calls

When you have 2 calls simultaneously (one on hold and other active), the system allows you to switch between the calls without ending either of them.

To switch between calls:

1. Tap switch calls option.

Conducting a Conference Call



When in an active call, you can connect an additional phone number to create a conference call between the contacts. You can create a conference call by either dialing to an additional number or by accepting a new incoming call.

To create a conference call by dialing additional number

1. In the active call screen, tap Add Call . The system puts the active call on hold and displays the Contacts screen. You can dial the additional number from the contacts list or from the call log, the favorites list.
2. Follow the steps listed in the "Making an Outgoing Call" section for dialing a number using the various options. The system initiates an outgoing call for the selected number.
3. In the new call screen, tap Merge. The system merges the 2 calls (one on hold and the new call) to create a

conference call. The first call is activated before merging.

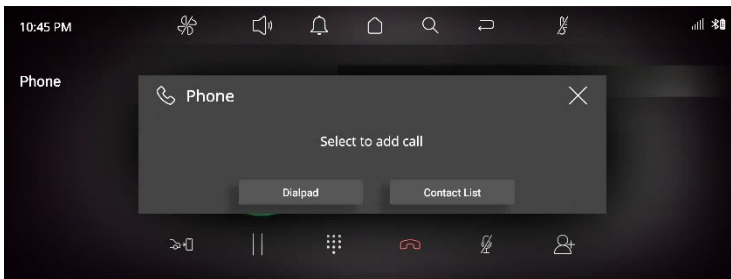
To create a conference call by accepting a new incoming call:

1. Accept a new incoming call as detailed in the "Accepting/Rejecting an Incoming Phone Call" section.
2. In the new call screen, tap Merge. The system merges the 2 calls (one on hold and the new call) to create a conference call. The first call is activated before merging.

Note: You can view the list of participants in a conference call by tapping the Participants icon.

Note: There can be maximum 5 participants in a conference call.

Figure 21 Add Call to Conference



Wireless Charger

Wireless Phone Charger (WPC) is available in Tata vehicle to give an experience to charge your smart devices wirelessly. This refrains the anxiety of smartphone discharge during the drive. Popup indication appears on the screen to show the status of charging.

Following screen is displayed when the phone is charged using the charging Pad.

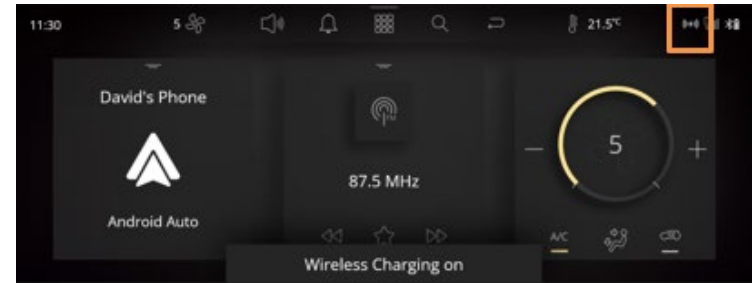
Not Charging State

When no phone is placed on the charging pad, the charging on icon is hidden.

Charging On

When the phone is being charged using charging pad, wireless Charger icon pops up on the top right corner of the status bar.

Figure 22 Wireless Charging On



Charging Error

In case of charging error, the error charging icon is displayed on the top right corner of the status bar.

Battery Full Charge

Battery full charge pop appears on the system screen once the phone is fully charged.

AQI

The infotainment system is equipped with a Cabin Air Quality (CAQ) feature which denotes value of purity of air inside the TATA vehicles. It transforms the weighted values of individual air pollution related parameters, for example pollutant concentrations, into a single number or set of numbers.

To view Air Quality Index of the Cabin

1. Tap App Launcher icon on the status bar and then tap AQI application icon.

Figure 23 AQI Screen



Table 3 AQI Level Mapping

AQI	Associated Health Impacts
• Good (0-50)	• Minimal Impact
• Satisfactory (51-100)	• May cause minor breathing discomfort to sensitive people
• Moderate (101-200)	• May cause breathing discomfort to people with lung disease such as asthma and discomfort to people with heart disease including children and elderly
• Poor (201-300)	• May cause breathing discomfort to people on prolonged exposure and discomfort to people with heart disease with short exposure
• Very Poor (301-400)	• May cause respiratory illness to the people on prolonged exposure. Effect will be pronounced in people with lung and heart diseases
• Severe (401-500)	• May cause respiratory effects even on healthy people and serious health impacts on people with lung/heart diseases. Health impacts may be visible even during light physical activity

Android Auto

Android Auto is a projection technology, which allows you to operate your Android smartphones from your vehicle infotainment system. You can use voice actions or simple arrangement of Google Maps, and other important phone functions to access the required functionalities. It is designed to minimize distraction while driving.

The Android Auto feature requires the installation of the Android Auto Mobile App, which can be downloaded on your smartphone from Google Play Store.

Note: Applicable only for Android Smartphones with Android Version 10 and above

Prepare Your Phone

- Make sure your phone is running Android 5.0 (Lollipop) and up. For best performance, Google recommend Android 6.0 (Marshmallow) and up.
- Download [Android Auto - Apps on Google Play](#) from Google Play.
- Make sure your phone has a strong and fast network connection.

Note: By default, Android Auto is configured in the infotainment system. Thereby, when you connect your Android Auto enabled smartphone with the infotainment

system you will be prompted to select whether you would like to continue the phone connection for Android Auto.

Note: Android Auto is by default enabled on your vehicle.

Connect - Wireless Android Auto

1. Pair/connect your phone to the infotainment system using Bluetooth®.
2. Follow the prompts on the screen and on your phone to start.
3. You will be asked to accept Terms before using the feature.

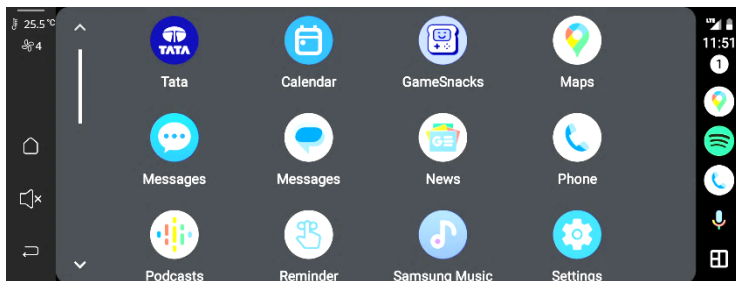
Connect – Wired Android Auto

1. Ensure your vehicle is in the parked condition and the Park Brake is applied.
2. Connect your phone using USB cable to the Infotainment to start Android Auto
3. Follow the prompts on the screen and on your phone to start.

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

Start Android Auto

Figure 24 Android Auto Projection



Tap on Android Auto application  from the App Launcher screen. Follow the instructions to get started.

Note: If the connection with the infotainment system is lost, the app will get disconnected and infotainment system displays the home screen.

Note: Ensure you have enabled your Location in the Phone settings for using Android Auto Google Map navigation.

Note: Android Auto settings can be accessed from your phone only. Refer to your phone for settings details.

Note: For better usability of the Android Auto app, the Internet connectivity of phone must be good.

Using Android Auto

You can access the Google Maps, communication functionalities (receives and make phone calls, receive, and send messages and so on) of your smartphone through the infotainment system. Even in the infotainment system, you just need to provide voice actions to control these functionalities, without removing your hand from the steering wheel.

Any new message that you receive on your phone is displayed on the home screen and readout to you. You can either reply to the SMS with a default message like "I am Driving.

You can use Google Assistant (voice recognition) so that your voice actions are recognized. To activate, tap the Mic icon (highlighted in the above figure) on the Android Auto Home screen.

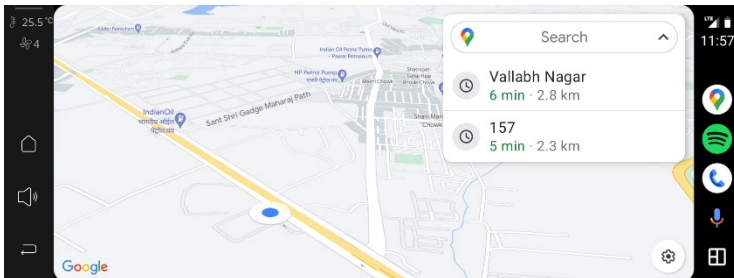
Note: Click the  icon to go to the Android Auto Home screen from any other Android Auto screens.

Access Google Maps using Android Auto

To access Google Maps and its navigation support features from Android Auto on the infotainment system:

1. Tap the  icon on the Android Auto Home screen on the infotainment system. The Google Maps screen is displayed. You can now initiate and use the various features of Google Maps from the infotainment system, as you handle it from your Android smartphone.

Figure 25 Android Auto Google Map Screen



Handle Calls using Android Auto

To handle calls or other communication related actions from Android Auto on the infotainment system:

1. Tap the  icon on the Android Auto Home screen on the infotainment system. The Dialer screen is displayed. You can now make calls, receive calls, or handle any other communication or other communication actions from the infotainment system, as you handle it from your Android smartphone.

Listen to Music

1. On your display, select the app launcher .
2. Tap Android Auto
3. Select your favorite music app to browse and play music

Apple CarPlay

Apple CarPlay is a projection technology, which allows you to operate your Apple iPhone from your vehicle infotainment system. You can use voice commands or the simple iPhone like interface on your infotainment system to operate your phone functionalities. It is designed to minimize distraction while driving.

Note: Applicable only for iPhones. Apple CarPlay is compatible from iPhone 5 and above versions. For more information, refer to

<https://www.apple.com/in/ios/carplay/>

Prepare Your Phone

Before you connect the iPhone to infotainment system to use Apple CarPlay, you need to perform some one-time configuration steps:

1. Make sure you have iPhone 5 or up device, running on latest iOS.
2. Make sure your phone has a strong and fast network connection.

Note: Apple CarPlay is by default enabled on your vehicle (if available).

Connect – Wireless Apple CarPlay

1. Pair/connect your phone to the infotainment system using Bluetooth®.
2. Follow the prompts on the screen and on your iPhone to start a wireless Apple CarPlay session.
3. You will be asked to accept Terms of Use before using the feature.

Connect – Wired Apple CarPlay

1. Connect your iPhone to the infotainment system, using the original Apple or Apple certified Lightning USB cable. On successful establishment of the connection, the infotainment system displays a popup or highlights the Apple CarPlay menu, if in focus in the home screen
2. Tap on the popup/menu to launch the Apple CarPlay Home screen.

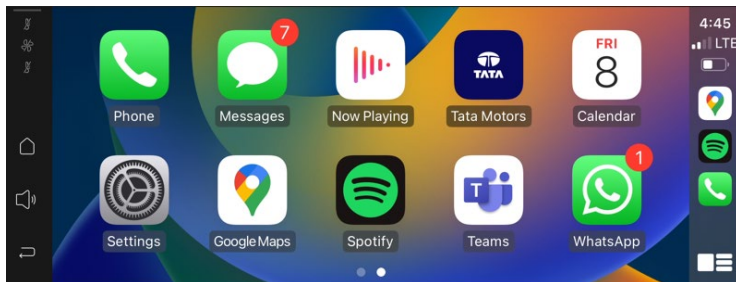
Note: If the connection with the infotainment system is lost, the app is disconnected, and the infotainment system Home screen is displayed.

Note: The settings of Apple CarPlay can be accessed from your iPhone only.

Using Apple CarPlay

You can access the Music, Message, communication functionalities (receives and make phone calls and so on) of your iPhone through the infotainment system. In the infotainment system, in addition to using the touch screen, control elements and SWC controls, you can just provide voice actions to control these functionalities, without removing your hand from the steering wheel.

Figure 26 Apple CarPlay Home Screen



Say Hey Siri to activate Siri (voice recognition) so that your voice actions are recognized, tap and hold the Home icon on the Apple CarPlay Home screen. Once you are displayed with the waves, you can speak your voice action.

Start Apple CarPlay

Apple CarPlay will automatically get started in Connection. If Apple CarPlay does not activate automatically, you can access Apple CarPlay by:

1. Tapping on Apple CarPlay icon.

Handle Calls, Messages and Communication Actions using Apple CarPlay

To handle the various actions of your iPhone from Apple CarPlay on the infotainment system:

1. **To Handle Calls:** Tap the Phone icon on the Apple CarPlay Home screen on the infotainment system. You can now make calls, receive calls, and view contacts.
2. **To Handle Messages:** Tap the Messages icon. You can now read, send, and reply to received messages or handle other communication actions from the infotainment system, as you handle it from your iPhone.
3. **To handle Music:** Tap the Music, Podcasts or Audiobooks icon. You can now access all your content from iTunes®, Music app or other available third-party audio apps.
4. **To Return to the Infotainment System Home Screen:** Tap the home icon. The system closes Apple CarPlay and displays the system home screen.

5. You can click home icon on the left bar to go back to Home Screen on the infotainment system

Note: The other features in Apple CarPlay can be similarly accessed from your infotainment system.

Figure 27 Apple CarPlay Screen with an Active Call



When an Apple CarPlay session is active in the system and you access other system functions like, HVAC and Volume Control, the status of these functions will be displayed at the top of the Apple CarPlay screen.

Listen to Music

1. On your display, select the app launcher .
2. Tap Apple Carplay
3. Select your favorite music app to browse and play music

Figure 28 Apple CarPlay Music Screen



Alexa*

Alexa is Amazon's cloud based voice service. Alexa as your companion, to make your driving experience smooth and seamless.

Note: * sign denotes = If Applicable / Available feature in your car.

Setup Alexa

To setup Alexa as your voice assistant, you must sign into Amazon

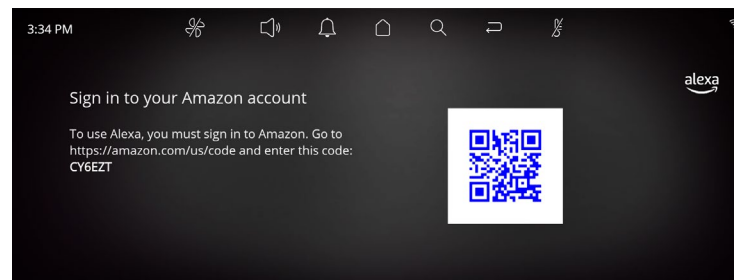
1. Tap Alexa on the Application Screen
2. Go to <https://amazon.com/us/code> and enter the code displayed

Note: Your infotainment system must be connected to Wi-Fi to use this feature

Note: This feature is applicable based on vehicle variant.

Note: This feature is applicable only in vehicles which have inbuilt internet connectivity.

Figure 29 Amazon Sign in Screen



3. You will be signed in to use Alexa voice assistant.

Sign in Using QR Code

1. Open built in Camera of your phone
2. Point the camera towards QR Code
3. Follow the instructions displayed to Sign in

Using Alexa

To use Alexa, press Push to Talk button on the steering wheel or simply Say Alexa.

Figure 30 Using Alexa Screen

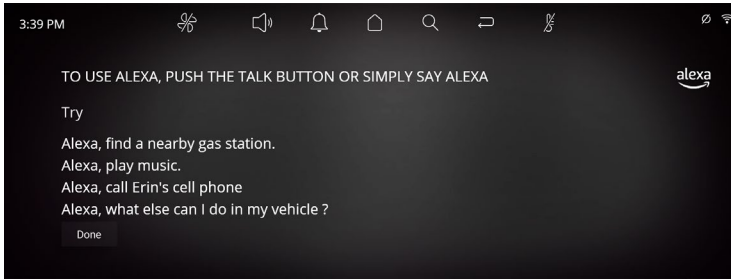
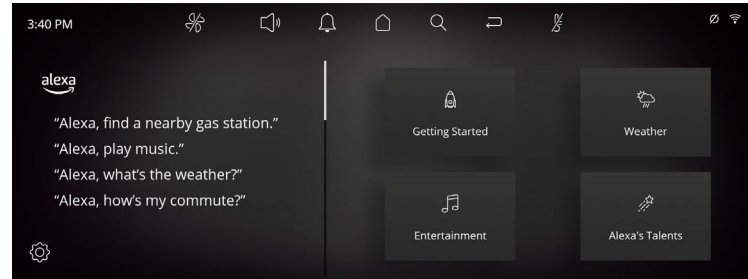


Figure 31 Alexa Feature Commands -1



Alexa – Feature List

You can ask Alexa to do any number of things specific to your car:

1. Stream Music
2. Weather update
3. Navigation assistance
4. News and Information
5. Traffic Information

Figure 32 Alexa Feature Commands -2

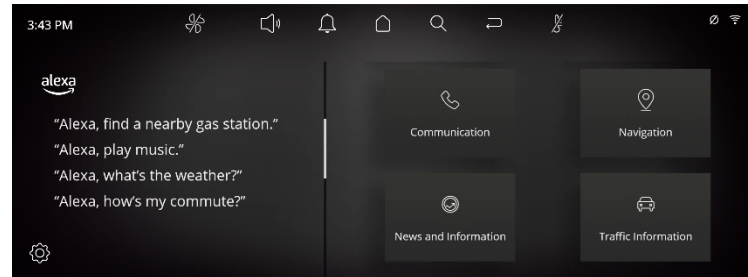


Figure 33 Alexa Home Screen - 3

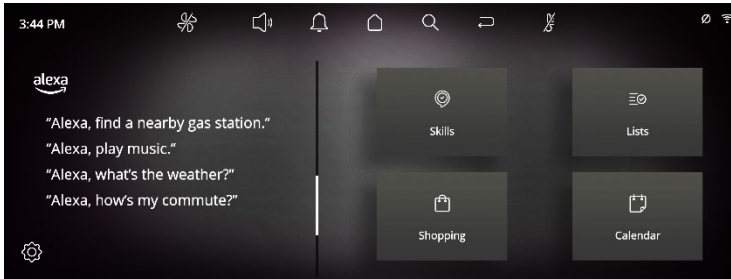


Figure 34 Alexa Settings Screen - 1

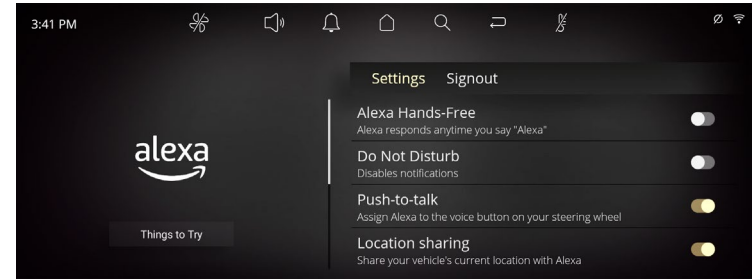
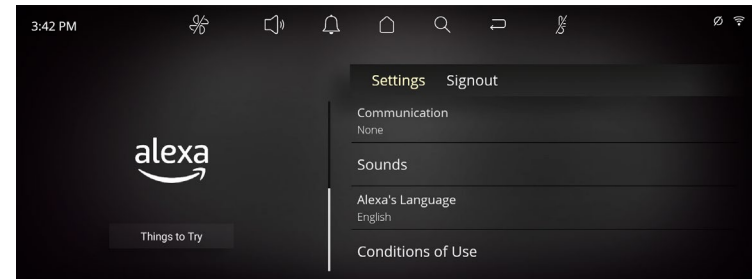


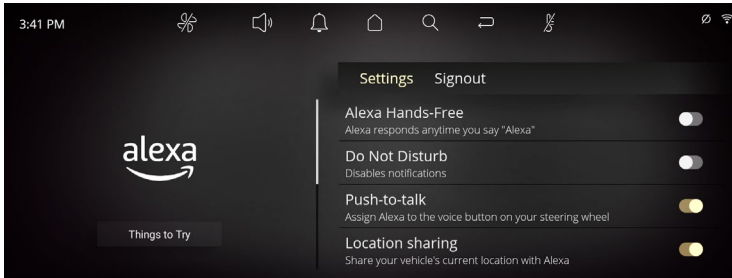
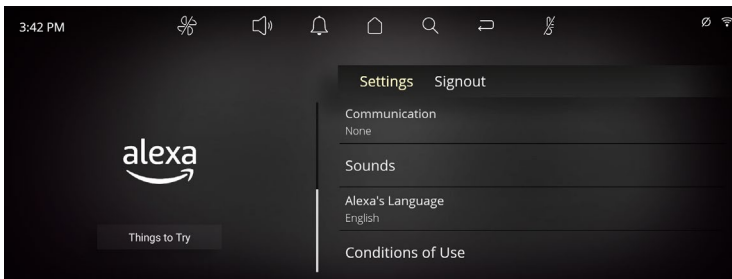
Figure 35 Alexa Settings Screen - 2



Alexa Settings

You can setup Alexa as per your convenience with the following options

1. **Alexa Hands Free:** Communicate with Alexa voice assistant through microphone and speakers
2. **Do Not Disturb** – You can enable / disable notifications
3. **Push to Talk** – Map a button which will activate Alexa to communicate
4. **Location Sharing** – You can share your current location with Alexa to navigate maps and directions
5. **Alexa's Language**- You can setup the language of communication with Alexa

Figure 36 Alexa Settings Screen - 1**Figure 37 Alexa Settings Screen - 2**

Sign Out from Alexa

To Sign out of Alexa, tap Sign out option and select Disconnect Device.

DriveNext*

DriveNext captures the real-time vehicle sensor data and convert those data points into meaningful driver centric information.

With DriveNext app, you can:

- Monitor some vital vehicle information like Fuel Level, Odometer Readings, Distance to Empty etc from home, office or just about anywhere.
- Get Trip Summary after every trip end.
- Understand your driving behavior using detailed trip insights.
- Analyze Fuel Efficiency with respect to your trips and diving performances.
- View score on Driving, Efficiency and Safety parameters, generated after analyzing your driving patterns in real-time.
- View insights on your Best Trip, curated among the Overall Trips you've completed.
- Perform Trip Management
- View Trip Histories

Figure 38 DriveNext Screen



Figure 39 DriveNext Insights



Figure 40 DriveNext Fuel Efficiency Analysis

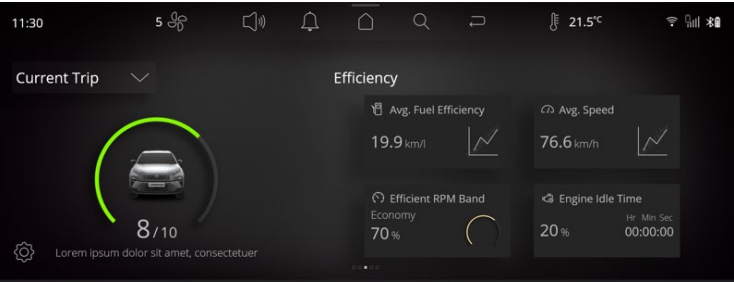
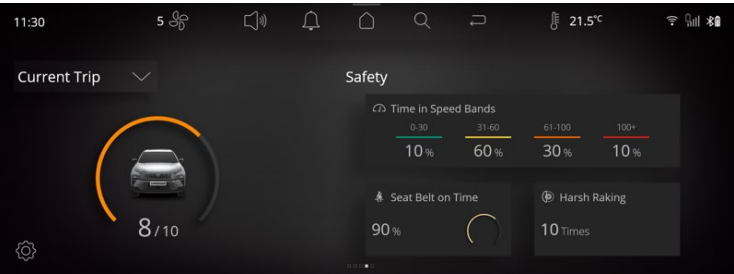


Figure 41 DriveNext Safety Details



What3words*

Note: * sign denotes = If Applicable / Available feature in your car.

What3words is a precise and incredibly simple way to talk about locations. What3words has assigned each 3m square in the world a unique 3 word address that is easy to say, share and is as accurate as GPS coordinates. Now you can drive to any precise location simply by saying or typing the 3 words.

For example: ///glorious.performers.hidden marks the exact 3X3m square in Lavasa, India.

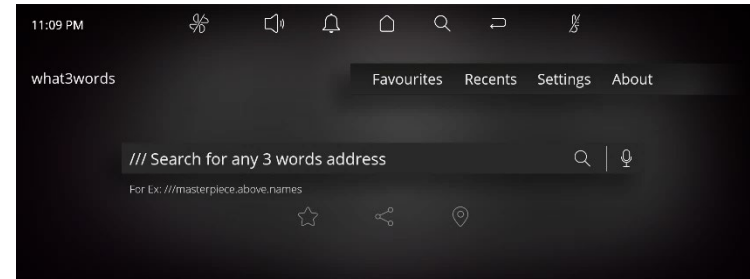
Sr. No	Control Elements	Description
1.	What3words Address Bar	To enter the desired 3 words address by typing or using voice command.
2.	Favorite Icon	To save entered address as favorite.
3.	Navigation Icon	To navigate to the entered 3-word address.
4.	Recent Addresses Title	Displays a list of recently visited addresses.
5.	Favorite Addresses Title	Displays a list of saved as favorite addresses.

Sr. No	Control Elements	Description
6.	Share Icon	To share the 3-word address by SMS.
7.	About	Details about the features and how to use the application

Note: The **Navigate via SMS** feature is unavailable in projection mode (Android Auto/Apple CarPlay).

Note: To use **Navigate via SMS** feature, the user must return to the What3words Home screen.

Figure 42 What3words Search Screen



Using What3words

To use the What3words feature:

1. Download and install What3words App on your smartphone and find the 3-word address of any location.
2. Connect your phone with the infotainment system.
3. Tap App launcher from the Status bar and tap What3 words icon.
4. Tap the Search Bar or use the mic icon to enter the 3 word address.
5. Type 3 word address (for example, glorious.performers.hidden) or say the 3 words (for example, glorious performers hidden), the system displays suggestions for the three word addresses.
6. Tap the correct 3 word address and you will be displayed with the Address options screen with Share, Favorite and Navigate icons enabled.

Note: Auto Launch Permission are required for launching navigation automatically through Android Auto (for Android smartphones)/Apple CarPlay (for Apple iPhone).

To enable Auto Launch Permission:

1. Tap Allow on the permission popup.
2. Tap More icon and check Auto Launch Permission (if unchecked).

Note: You can also share the entered 3 words destination address via SMS.

Note: To use the share 3-word address option, the smartphone must be connected to the infotainment system and the view/send SMS permissions must be enabled on the phone.

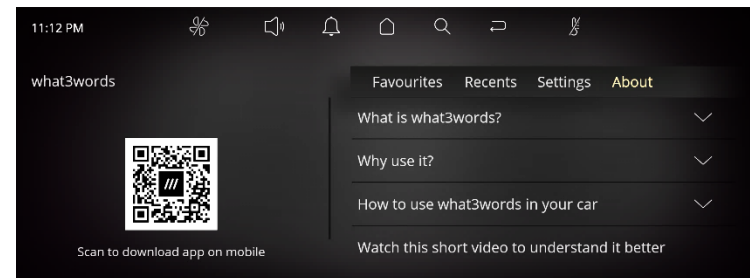
Note: Using the save as Favorite Addresses feature, you can save the desired address as favorite for quick access.

Note: By default, at any given time when you type a destination or provide voice commands, the system displays 3 auto suggestions to assist you.

About Menu

Help option Opens more options and settings for What3words feature. You can explore more functionalities so that you understand and use What3words effectively. This also leads to better settings according to convenience.

Figure 43 What3Words About Screen



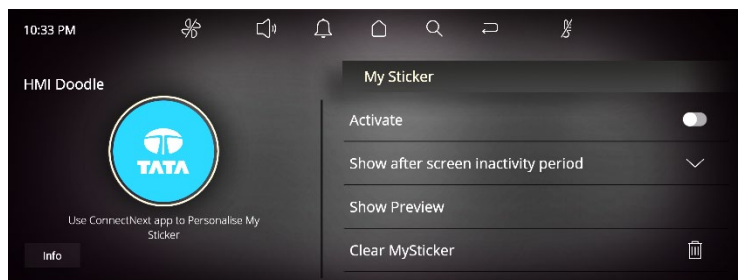
HMI Doodle

Doodle is a user experience customization solution designed for TATA vehicles. With Doodle feature, you can customize the infotainment system screen. Sticker image or startup image can be selected from the iRA App over smartphone, when connected to Infotainment system.

Doodle allows you to:

- Use My Sticker/Startup Image functionality and display desired image on display screen.
- Use Smartphone to personalize My Sticker and Startup Image through Connect NXT App

Figure 44 HMI Doodle Screen



Activating Doodle My sticker / Startup Widget

1. Tap App Launcher Icon Select Settings, and select HMI Doodle Application
2. Select the My Sticker/Startup Image option. The system displays My Sticker/Startup Image Settings screen.
3. Select the required option to

Activate

- On Tapping Activate, the system will display the image/sticker after the inactivity period.

Note: Inactivity period is by default set to 15 seconds.

Preview

1. To preview the image setup, tap show preview and system will display the preview of the display.
2. Tap cross  icon to go back to previous screen.

Clear Sticker/Image

1. Tap Clear Sticker to remove the sticker or image.
2. Click confirm the remove the sticker or
3. Click cancel to undo the action.

Note: Startup image is visible on Doodle settings screen during preview and while infotainment system startup.

Note: My Sticker is visible on Media OFF/Home screen only after predefined time out, it can be disabled by user action on home screen or by Steering Wheel Phone/SRC button press.

Note: You can move the sticker on home screen/Media OFF screen at desired position by touching and dragging it

Voice Assistant

The infotainment system allows you to access various media, climate, phone, and other controls using voice commands. This feature has defined Voice commands which are recognized by the Voice Assistant.

To activate the voice recognition feature:

1. Say wake-up word "Hey Tata", or "Hi Tata", or "Hello Tata" and you will be connected to a Voice Assistant or
2. Press the Voice Activation button on the Steering Wheel control element.

The system mutes/pauses the currently playing audio and you will hear a beep sound indicate the activation of the voice recognition feature.

Note: The system will start recognizing your voice commands only after the beep. So, speak only after you hear the voice activation beep. If no command is spoken after the beep, the system will prompt you to say a command.

Figure 45 Voice Assistant Home Screen



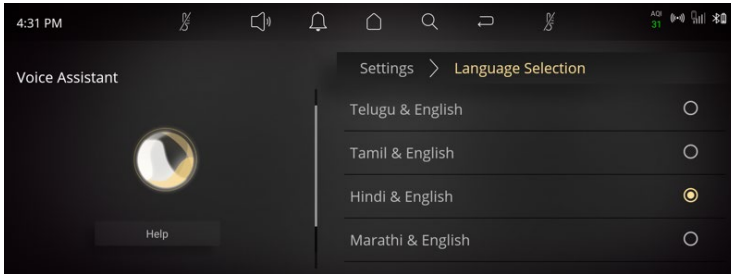
Language Packs

You can setup the language of the Voice Assistant and communicate in the selected language.

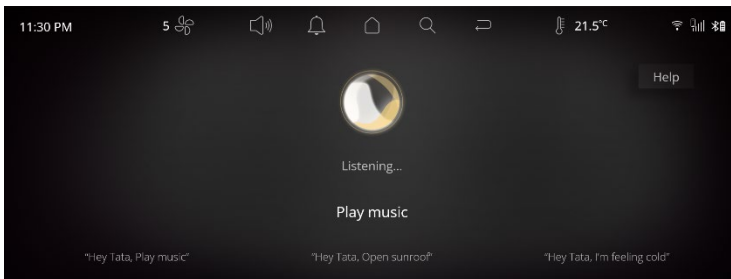
Go to **Voice Assistant > Settings > Language Selection**

Select the language from following options

1. Tamil & English
2. Telugu & English
3. Hindi & English
4. Marathi & English
5. Bengali & English

Figure 46 Voice Assistant Language Selection**Voice Assistant Live Caption**

Live Caption automatically subtitles the speech or command on the screen

Figure 47 Voice Assistant Live Caption**Voice Command Guidelines**

- Only speak the commands that are listed in the “Voice Recognition Commands” section.
- When similar sounding contact names/song names are spoken, the system will display a list of options matching the spoken name. You can choose the required option from the list by calling out the corresponding line number or touching the required option on the screen.

Note: The infotainment system also displays the voice recognition commands. You can select and view the required command de-tails from within the Voice screen.

- Speak the commands and names in a neutral English accent for best results.
- Do not take long pauses (greater than 1 second) while speaking the words in a command. Speak the words of the command at a constant rate.
- Avoid varying your pitch and volume while speaking the commands. Speak clearly and loudly at a reasonable speed.
- Ensure that there is no noise disturbance when you speak the commands like, other passengers in the vehicle are talking or there is lot of wind noise. Disturbance from external sound sources may result in poor voice recognition.

Always face forward while speaking your commands as the voice recognition quality is best in this orientation.

Figure 48 Voice Assistant Help Screen

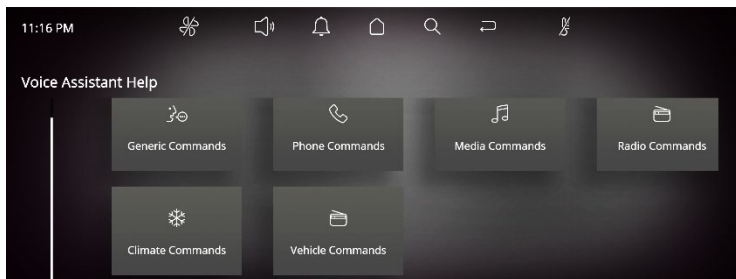


Figure 49 Voice Assistant – Generic Commands

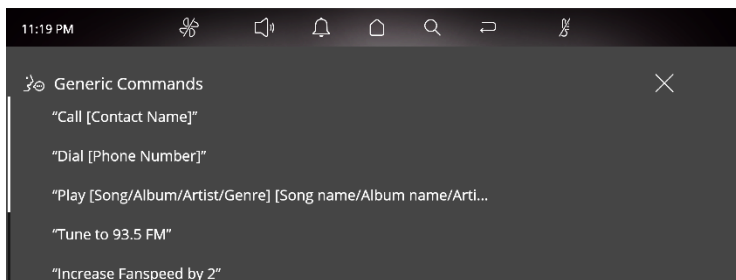


Figure 50 Voice Assistant – Media Commands

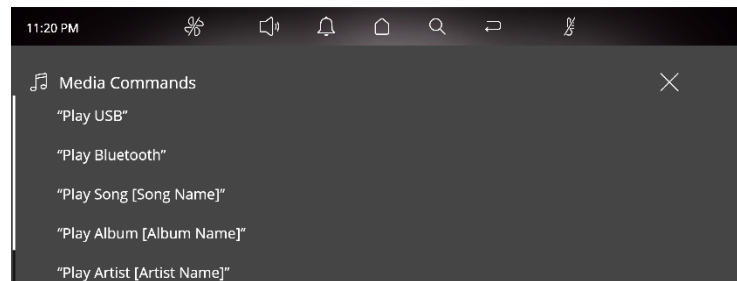
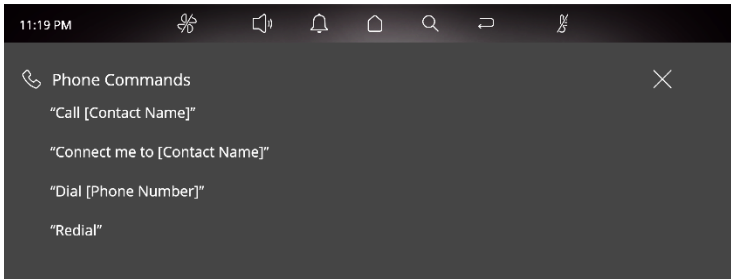
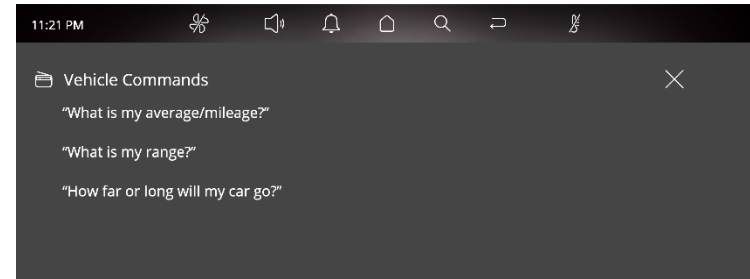
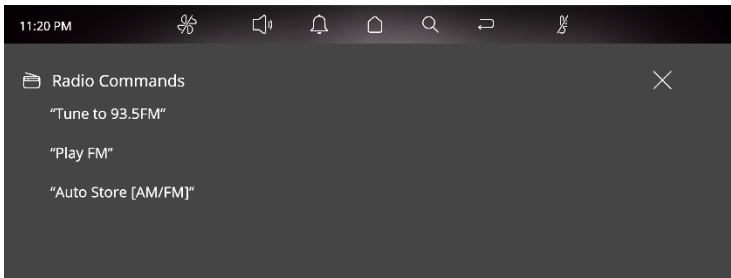
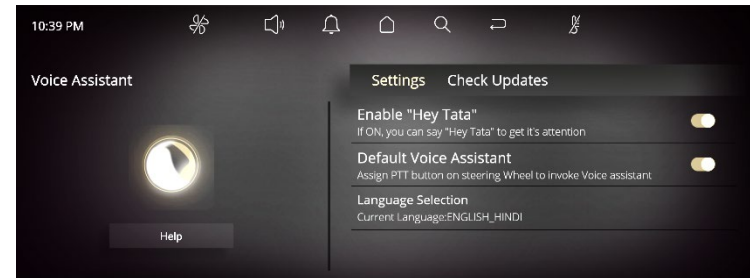


Figure 51 Voice Assistant – Phone Commands**Figure 53 Voice Assistant – Vehicle Commands****Figure 52 Voice Assistant – Radio Commands****Figure 54 Voice Assistant – Settings**

Voice Assistant Settings

You can setup following settings in Voice Assistant

1. **Enable Hey Tata** – To activate or get attention of Voice Assistant enable Hey Tata.
2. **Default Voice Assistant** – You can setup default voice assistant which will be active when Push to Talk button is pressed. Enable the setting to activate this feature
3. **Language Selection** – You can setup the language of Communication by selecting the language from the language selection option

Voice Command List

Table 4 Voice Command List

Feature	Sub-Feature	Commands
FATC	Temperature Change	increase ac by <number>
		decrease ac to <number>
		set ac at <number>
		increase ac tempt
		decrease ac tempt
		it is cold
		it is hot
	Ac ON/OFF	start ac
		shut down ac
		AC on
		AC off
		Switch on air condition
		Switch off the ac

Feature	Sub-Feature	Commands
		turn on the ac
		Turn On air condition
		Turn Off air condition
		put on the ac
	Fan Speed	reduce fan to <number>
		raise fan to <number>
		boost fan to <number>
		lower fan by <number>
		Decrease fan speed by <number>
		Change Fan speed to <Number>
		increase fan speed by <number>
		increase fan speed to <number>
		set blower to <number>

Feature	Sub-Feature	Commands
	Air_Circulation	start air recirc mode
		Air Recirculation/Recirc Mode On
		Air Recirculation/Recirc Mode Off
		Turn on recirc mode
		Turn Off Air Recirculation/Recirc Mode
		Shutdown Air Recirculation/Recirc Mode
	AQI_Level	aqi level of my four wheeler
		cabins air quality index
		kindly show me the aqi level inside my car
		how is my aqi
		status of my aqi
		whats my aqi level
		current air quality of my cabin

APPLICATIONS

Voice Assistant

Feature	Sub-Feature	Commands
		tell me my air quality info
		give me information about air quality
	Max_Defrost	close max defrost
		Max defrost off
		Activate max defrost
		Turn Max defrost off
		Start Max defrost
		shutdown max defrost
		turn on max defrost
		i want to shutdown front defroster
		deactivate front defrost
	Front_Rear_Defrost	turn on rear defrost
		set off rear defroster
	Air_Recirc_Mode	inactivate the air recirc mode
		start air recirc mode

Feature	Sub-Feature	Commands
		i want to invoke air recirc mode
		inactivate the air recirc mode
	Sync_Mode	turn off sync mode
		sync mode shutdown
		invoke the sync
		activate sync mode
	Auto_Mode	invoke auto mode
		turn on auto mode
	Air_Distribution_Mode	shift air distribution mode
		switch the vent mode
		i want to swap air flow
		switch air flow
Audio	Mute/Unmute	mute song
		mute volume
		Mute music
		Unmute
		increase volume

Feature	Sub-Feature	Commands
	Volume Change	decrease volume
		raise volume
		lower volume
		i cannot hear the music
		set volume at <value>
		Increase volume by <value>
		decrease volume to <value>
	Balance and Fader	change balance and fader to front
		set balance and fader to center
		change balance and fader to driver
		switch balance and fader to front right
		set balance at left
		set fader at front
		switch fader at center
		set fader at back
	Bass	change bass at <number>
		change bass to maximum

Feature	Sub-Feature	Commands
		decrease bass to minimum
		switch bass to minus<number>
		increase bass to <number>
		increase bass by <number>
	Middle	switch middle to <number>
		increase middle to <number>
		decrease middle to <number>
		switch middle to max
		change middle to maximum
		switch middle to minimum
		change middle to minus <number>
	Treble	switch treble at <number>
		increase treble at <number>
		switch treble to max
		change treble to maximum
		switch treble to minimum
		decrease treble to <number>
		set treble to <number>

APPLICATIONS**Voice Assistant**

Feature	Sub-Feature	Commands
	Equalizer	switch treble to minus <number>
		set preset to <rock>
		set equalizer to <classic>
		switch preset to <pop>
		Change equlizer to <rock>
		Can you please change equalizer to <jazz>
		Please set equalizer to <classic>
	SDVC	switch on speed dependent volume
		switch off speed based volume control
		turn on sdvc
		Speed dependent volume On
		Speed dependent volume Off
		turn off sdvc
		Switch SDVC on
Media		can you play album <album_name>

Feature	Sub-Feature	Commands
	Play from Album/Artist/genre	could you please play album <album_name>
		i want to listen to album <album_name>
		i would like to listen to album <album_name>
		play album <album_name>
		play artist <artist_name>
		could you play artist <artist_name>
		i want to listen artist <artist_name>
		play genre <genre_name>
		please play genre <genre_name>

Feature	Sub-Feature	Commands
		i want to play genre <genre_name>
		can you play genre <genre_name>
		play song <song_name>
		i want to hear song <song_name>
		can you play song <song_name>
	Songs	i want to listen to music
		i want to listen to song
		Play my music
		play song from usb
		play bluetooth audio
		Switch to USB
		Change to FM
		Switch to AM

Feature	Sub-Feature	Commands
	Next_Previous_Track	play song from android auto
		play previous track
		Next Track
		Previous Track
		Play next song
		Play previous song
		i want to listen next song
		please play previous track
	Play/Pause	begin music
		pause track
		stop song/music
	AM/FM	i want to listen <fm_station> fm
		Switch to <frequency> FM
		Tune to AM
		Tune to <frequency> FM
		i want to listen <am_station> am
	Autostore	autostore am
		autostore fm

APPLICATIONS

Voice Assistant

Feature	Sub-Feature	Commands
		start autostore
		autostore on
	Next_Previous_Station	go to previous station
		Next station
		Previous station
		please play next channel
		switch to next channel
		previous station please
	Set_As_Favourite	Save <frequency number> as favorite
		Store frequency as favorite
	Remove_Favourite	i want to delete the current Frequency from favorite list

Feature	Sub-Feature	Commands
		remove the current station from favorite
Phone	Call Number	i want to talk to <number>
		call <number>
		Connect me to <number>
		dial <number>
		i want to talk to <name>
		call <name>
		Connect me to <name>
		dial <name>
	Redial	Redial
	SMS_Read out	i want to read message
		read the last SMS
		i wanna hear the text
		Read SMS
Vehicle Info	Fuel	how many liters of diesel is left in the car
		how many liters of Petrol is remaining

Feature	Sub-Feature	Commands
		how many liters of fuel do I have in the vehicle
		what is my fuel level
		how many liters of fuel is remaining
		how much petrol remain in car
		whats my current fuel status
		Tell me my fuel status/level/info?
		do I need to refuel?
		whats my fuel status
		how many liters of oil is available
	Average	what is my average
		tell me my cars average
		tell me my cars fuel economy
		what is my fuel efficiency
		tell me my cars latest average
		what is my mileage
	Range	how long can i travel
		how many miles can I drive

Feature	Sub-Feature	Commands
		how many miles can I travel
		How far can I go before next refuel?
		how many miles will the fuel last
		whats my range
		whats the current range
		what is distance to empty
		how long will my car go
	Cluster Dial change	change cluster layout to One dial
		Switch cluster dial to two dial
Navigate	Navigate to screen	Set cluster dial to digital view
		Take me to android auto screen
		can you please open settings screen
		can you open vehicle settings screen
		Switch to clock settings screen
		please open home screen
		Open Phone settings
		Open Vehicle setting screen

APPLICATIONS

Voice Assistant

Feature	Sub-Feature	Commands
		Take me to audio settings screen
		Show me mood light settings
		Show me software details
		Open application drawer
		take me to contact list screen
		can you please open paired phone screen
Display	Infotainment Display brightness	increase infotainment/Touch Screen brightness to <brightness_Value>
	Brightness	Increase Display brightness
		Turn up/down the Head Unit brightness
	Display ON/OFF	Display On/Off
		Turn Infotainment/Touch Screen <On/Off>
		Switch ON Display/Head Unit
W3W	Navigate to W3W address	Navigate me to <x.y.z>
		Current/present Location

Feature	Sub-Feature	Commands
	Current Location	What is my current/present/ location
		Where am I now?
	Current w3w address	Current/present what3words Location/address
		What is my current/present/ what3words location/address
BCM	DRL	make daytime running lamp off
		DRL On/OFF
		Start DRL
		turn on drl
		Switch off DRL
	Position_L amp	kindly turn on the position lamp
		Position Lamp ON/OFF
		deactivate position light
		Switch On/OFF position lamp
		i want to shutdown position light
	ORVM	i want to pack rear view mirror
		Open ORVM

Feature	Sub-Feature	Commands
		Close side mirrors
		unpack rear view mirror
		unfold orvm
	Sunroof	Open Sunroof
		i want to unpack the sunroof
		kindly fold the sunroof
		Close sunroof
		I want to see the moon
		I want to see the sun
		I want to see stars
	Sunshade	open sunshade
		pack sunshade
		i want to fold the sunshade
		Close sunshade
		please unpack sunshade
	Tilt/Untilt	Tilt sunroof
		Level the sunroof
		Flat the sunroof

Feature	Sub-Feature	Commands
Connected Car	Last Vehicle Service	When was my last vehicle servicing done
	Vehicle purchase date	What is my vehicle/car purchase date?
		When was this vehicle/car purchased?
		When is my car's birthday?
	VIN Number	What is my VIN number?
		What is the vehicle identification number?
		What is the VIN number?
	Registration Number	What is my vehicle/car registration Number?
	Insurance Expiry	When is my vehicle/car insurance expiring
		Till when is my insurance valid
	Next Vehicle Service	When is my vehicle service pending/due ?
		How far will my vehicle go without servicing?

APPLICATIONS

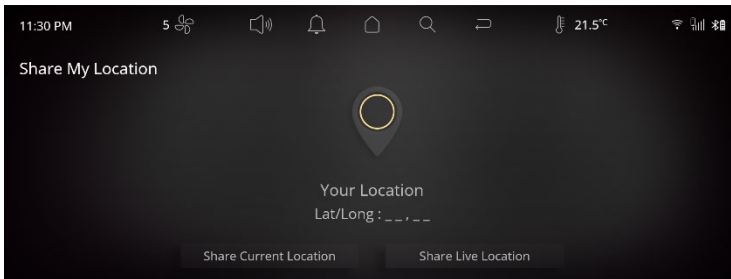
Feature	Sub-Feature	Commands
ADAS	360° View camera	When to do vehicle service?
		How much time for next servicing?
		360° Camera feed ON
		Activate front camera
		Turn rear camera feed On
		Switch On 360° Camera feed
Mood Light	Mood Light On/OFF	Rear View camera ON
		Start Mood light
		Turn On/Off Mood light
		MoodLight On/Off
		i wanna enable mood light
		shutdown mood light
	Zone On/OFF	Front zone mood light on
		Switch roof zone mood light On
		shutdown front zone mood light
	Intensity Control	change mood light intensity to <3>
		Increase mood light brightness intensity by 1

Feature	Sub-Feature	Commands
Generic		reduce moodlight intensity by 2
		decrease moodlight brightness
		dim down moodlight intensity
	Hi TATA	Hi Tata
		Hey Tata
		Hello Tata
	What can you do?	What you can do?
		What can you do for me?
		What is/are your capability/capabilities?
		Things to try
		Example Voice commands
	Greetings	Good Morning
		Good evening
		Good night
	What time is it?	What time is it?
		What date is it?

Share My Location*

Share my location application allows you to share real-time GPS location of your car with your phone contacts or by entering a phone number.

Figure 55 Share My Location Screen



Note: To use this feature the infotainment needs to be connected to network via inbuilt internet connectivity.

Note: Enable Location service on your phone to access location sharing via Infotainment system.

To share current location

1. Tap the App Launched Icon and select Share My Location App
2. Tap Allow for sharing the vehicle location.

3. Tap share Current Location. A pop up will appear asking to share location with a number or phonebook contact.
 - a. Tap Dialpad to share the location with a number.
or
 - b. Tap Contact list to select the contact.
4. Click Send.to share current location.
or
Tap cancel to go back to the previous screen.
5. Location sent confirmation screen will appear.

To share live location

1. Tap the App Launched Icon and select Share My Location App
2. Tap Allow for sharing the vehicle location.
3. Tap Share Live Location
4. Select the duration.
 - a. Tap Dialpad if you want to share the location with a number.
or
 - b. Select Contact list to share the location with a contact in phonebook.
5. Click Send to confirm and share the live location.
or

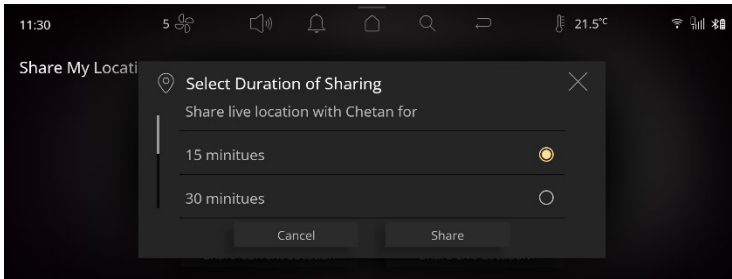
Tap cancel to go back to the previous screen.

6. Location sent confirmation screen will appear.

APPLICATIONS

7. You can set the duration of location sharing. Select the duration and tap Share.

Figure 56 Select Duration of Sharing Location Screen



Sound Demo

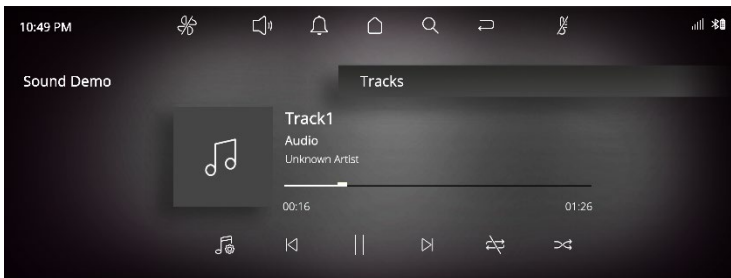
This application enables you to play music tracks which are by default inbuilt in the system.

1. Tap the Sound Demo Application from the App Launcher.

You can use following options on the Sound demo screen:

1. Play/Pause
2. Shuffle
3. Repeat (Default OFF, ON, Repeat One)
4. Track Selection
5. Audio Settings

Figure 57 Sound Demo Screen



Note: Refer to Audio Settings section for audio setup.

5 VEHICLE FUNCTIONS

The infotainment system supports handling and viewing of some vehicle feature/components controls. The following vehicle functions are operated through the infotainment system.

- Driver Assistance Features
- Rear View Camera (RVC)
- Surround View System
- Climate Control
- Lighting
- Break Down Call
- Driver Assistance Features
- Mood Light
- JBL Modes

Driver Assistance*

Driver Assistance application allows you to set up following features.

Park Assist Screen

If your Vehicle is equipped with Park Assist, then system displays the Park Assist screen whenever the Reverse gear is engaged. Active Home Screen re-appears after reverse gear is disengaged.

Park Assist Setup

You can manage Park Assist settings like Park Assist Notification Volume and Tone Type using the infotainment system.

To access Park Assist Settings:

- In Settings screen, navigate to and select Vehicle Setup. The system displays the Vehicle Setup screen.
- In the Vehicle Setup screen, navigate to and select the Park Assist option. The system displays the Park Assist Setup screen.

Park Assist Tone Volume

This option sets the volume related parameters of the vehicle Park Assist component.

To change the Park Assist Tone Volume:

- In the Vehicle Setup screen, navigate to and select the Park Assist option. The system displays the Park Assist Setup screen.
- Tap **Park Assist Tone Volume** option to increase or decrease the park assist tone.
- Tap on  to decrease the tone volume, or
- Tap on  to increase the tone volume.

Change Park Assist Tone

This option sets the tone of the vehicle Park Assist component. To set the tone for park assist:

- In the Vehicle Setup screen, navigate to and select the Park Assist option. The system displays the Park Assist Setup screen.
- Tap Tone Type and select the required tone from the list provided.

Park Assist Delay Timer

Delay Timer allows you to retain the Park Assist screen even after the Reverse Fear is Disengaged

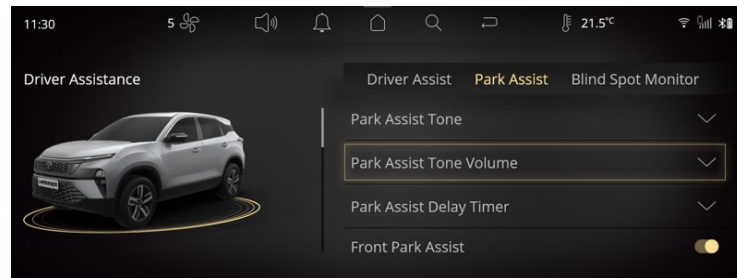
Tap **Park Assist Delay Timer** to setup the timer to setup timer to the following options.

- 5 Sec
- 10 Sec
- 15 Sec

Front Park Assist

Tap **Front Park Assist** to enable the feature.

Figure 58 Park Assist Screen



Front Collision Warning System

Forward Collision Alert is warning you that you are approaching another vehicle too quickly. Brake and/or slow down.

To enable this feature

1. Navigate to Driver Assistance Application
2. Tap Front Collision Warning System.

Traffic Sign Recognition

Traffic-sign recognition is a safety tech system that recognizes traffic signs and relays the information displayed on the infotainment screen.

To enable this feature

1. Navigate to Driver Assistance Application
2. Tap Traffic Sign Recognition to enable the feature.

High Beam Assist

High Beam Assist (HBA) is a driving safety feature that automatically adjusts the high beam. The front view camera recognizes the ambient light source and illuminance, such as light coming from the vehicle in front, it automatically turns on or off the high beam.

To enable this feature

1. Navigate to Driver Assistance Application
2. Tap High Beam Assist

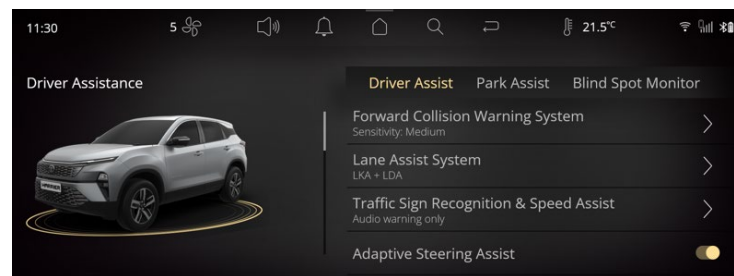
Lane Departure Warning

Lane departure warning alerts you that your car is about to drift out of lane and warns you to get back into lane. If there is a risk of the vehicle leaving the traveling lane unintentionally, the system provides visual and audio alerts to prompt the driver to act.

To enable this feature

1. Navigate to Driver Assistance Application
2. Tap Lane Departure Warning option.

Figure 59 Driver Assistance – Front Camera Safety Features



Rear Cross Traffic Alert (RCTA)

The Rear Cross Traffic Alert (RCTA) system uses the same technology used for detecting vehicles in the blind spot (Blind Spot Detection, BSD) and guides the drivers when reversing out of a parking space.

Figure 60 RCTA + RVC



Door Open Alert

The Door Open Alert safety feature detects any vehicular or pedestrian movement behind the car and alerts and does not let to unlock the doors.

To enable this feature

1. Navigate to Driver Assistance Application
2. Tap Door Open Alert option.

Blind Spot Detection / Monitoring

The BSD feature lets the driver know there are vehicles located in their blind spots. Blind-spot monitoring uses a set of sensors mounted on the side mirrors or rear bumper to detect vehicles in the adjacent lanes. If the sensors detect something, it alerts you via an audible and/or visual warning on the infotainment system.

Tap Blind Spot Monitor to enable the feature.

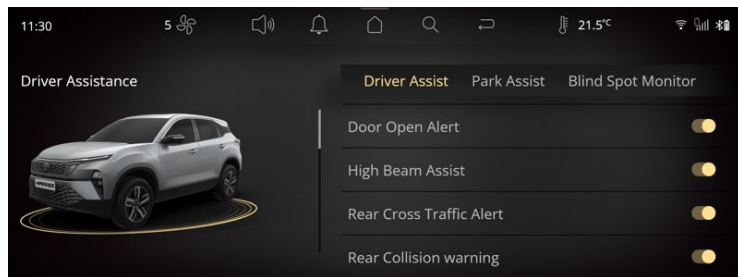
Lane Change Assist (LCA)

Lane Change Assist is a safety feature which alerts the drivers of approaching vehicles in adjacent lanes. This feature is built with high tech sensors and camera placed in the windshield. They constantly monitor the lane markers both left and right of the vehicle.

To enable Lane Change Assist

1. Navigate to Driver Assistance Application
2. Tap Lane Departure Warning to enable the feature.

Figure 61 Driver Assistance – Rear Camera Features



Driver Dose off Alert System

The 'driver drowsiness detection' system alerts you through voice alert, prompting to stay awake throughout the journey.

The feature monitors driving behavior, frequency of steering movement and length of trip. If the function reaches a threshold of the driving behavior it, then alerts the driver via voice alert and visual notification on the infotainment screen.

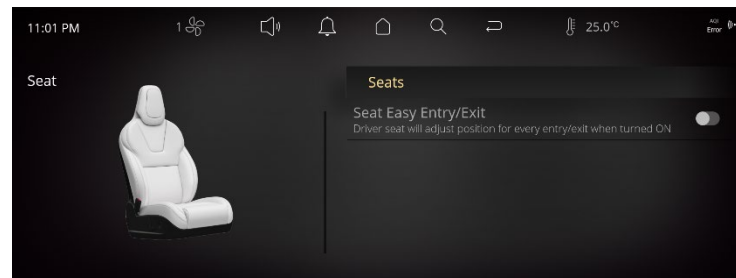
Seat Easy Entry / Exit

The Driver seat is equipped with easy entry and exit function. This helps user to enter and exit the vehicle by

Driver Assistance*

moving the seat backwards and downwards automatically in Ignition OFF and driver door open conditions. This can be enabled or disabled through the infotainment.

Figure 62 Seat Setup Screen



Rear View Camera*

The Rear View Camera (RVC) feature is vehicle dependent. If you have a rear-view camera installed in your vehicle variant, you will be able to manage it using the infotainment system.

When you engage the reverse gear or tap on from the right drawer, the RVC feature is activated. It displays the following information:

- Yellow lines are reference lines.
- Red, Green and Yellow colored zones are to identify the degree of closeness to the obstacle from your vehicle bumper i.e.
 - Red- Very close
 - Yellow - Close
 - Green - Within safe distance

As you steer your vehicle, the parking guides change accordingly to indicate your vehicle's path.

Tap Horizontally wide  button to navigate horizontally stretched screen.

Figure 63 Color Zones



Tap  button to navigate back to original feed screen.

Tap Zoom button  to navigate to below screen which display camera content with predefined zoom values.

Surround View System (SVS)*

The surround view system provides 360-degree bird view around the entire vehicle. Eliminating blind spot, this intelligent camera system delivers a wide range of benefits.

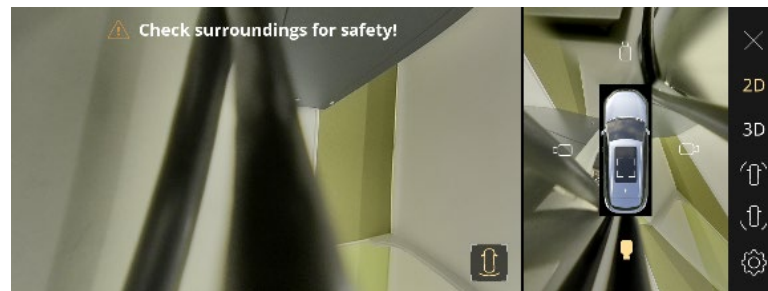
The SVS assists you during parking by combining 4 cameras placed around the vehicle for 360 degree view of the area around the car

To view a 360-degree surrounding around your car:

1. Tap App Launcher icon and select Surround View application.
2. Once the Surround view screen is displayed it is possible to select the images to display among 5 possible options
 - a. Rear view and top view
 - b. Front view and top view
 - c. Left view and top view
 - d. Right view and top view
 - e. 3D 360-degree bird eye view

Note: Drive your vehicle slowly when you are parking to stop in time if there is any obstacle.

Figure 64 360 SVS View



Display Options on SVS Screen

1. 2D View - To see view in 2D tap  icon on the right bar of the SVS screen.
2. 3D View - To see view in 3D tap  icon on the right bar of the SVS screen
3. Front View – Tap Front view  icon to view front camera view of the vehicle
4. Rear View - Tap Rear view  icon to view rear camera view of the vehicle

5. Setting – To setup SVS display screen tap Settings icon.



6. Close – To close SVS screen tap icon on the right bar.



Climate Control

The Climate Control feature is vehicle dependent. The infotainment system displays the climate control related information in its HVAC screen, which is displayed at the right of the infotainment system screen.

Managing Climate Control

The Climate Control feature can be managed using any one of the following options.

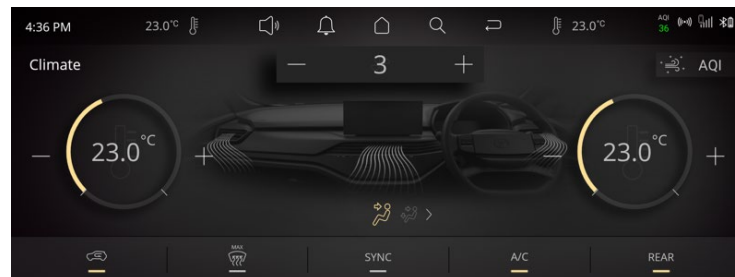
- Climate Control Application in the Infotainment System
- HVAC Control Elements on the Vehicle Dashboard

Using Climate Control Application

Tap App launcher icon and select Climate Control application.

The screen now displays different Climate Control setting options like temperature, blower speed, ECON toggle switch and so on, which are used for managing the Climate Control of your vehicle.

Figure 65 Climate Control



1. Toggle Max, Fresh Air, AC icons to switch ON/OFF
2. Tap Auto to switch it ON. To turn OFF Auto, Tap Blower/Mode/Rear/Max
3. Tap **+** to increase or **-** to decrease the temperature or the fan speed.

Note: Fan speed ranges from 1 to 7 and temperature ranges from minimum 18 degree to maximum 30 degree.

4. Airflow icon  in the centre is cyclic, tap the next icon to change it to next state.
5. Tap AQI icon to view the cabin air quality index. Refer to AQI feature for more information.

Note: Climate control can be accessed through shortcut  icon on the Status Bar

Using HVAC Control Elements on the Dashboard

The HVAC controls elements can be used to control the climate.

If any HVAC settings are changed using the HVAC control elements, the changes will be displayed in the HVAC drawer for few seconds.

Figure 66 HVAC Control Touch Hard Buttons – Single Zone



Or

Figure 67 HVAC Control Touch Hard Buttons – Dual Zone



Note: The HVAC control Touch / Hard buttons pad is based on vehicle variant.

Lighting

The infotainment system allows you to control lighting features like Approach Lamp and DRL if your vehicle is equipped with these features.

Approach Lamp

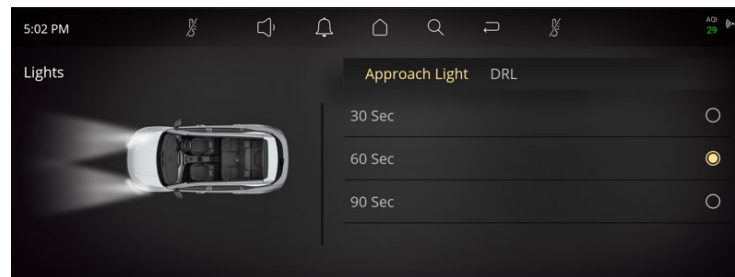
When you approach your car in the dark, you can switch on the Approach Lamps (some exterior and interior lights of the vehicle) to identify your car as well as to find your way safely to it.

The system allows you to set the time for which the Approach lamps will be illuminated after you switch them ON.

To set the Approach lights illumination time:

1. In the Vehicle Settings screen, navigate to and select the Approach Lamps option. The system displays the various illumination time options.
2. Navigate to and select the required illumination time option from 30 seconds/60 seconds/90 seconds.

Figure 68 Approach lamp

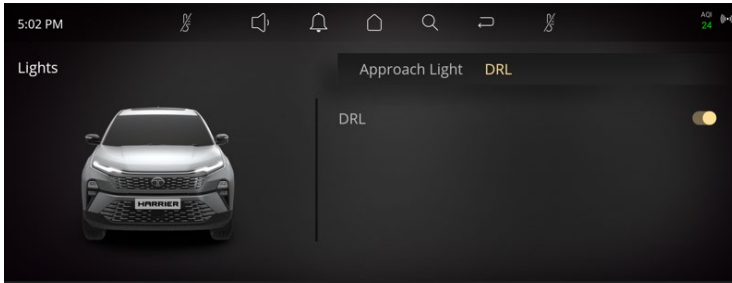


DRL (Daytime Running Lamps)

If the vehicle is equipped with this feature, you can ON/OFF DRL (Daytime Running Lamps) from the infotainment system.

To ON/OFF DRL:

1. In the Vehicle Setup screen, navigate to and select the Lights option.
2. In the Lighting screen tap on DRL tap the DRL bar icon to ON/OFF DRLs.

Figure 69 Daytime Running Lamps

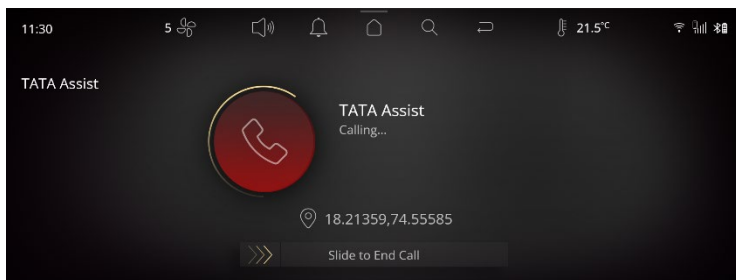
TATA Assist Call (Breakdown Call)*

In case of vehicle break down, the infotainment system helps you to reach you to Tata Motors service centre.

Note: This feature requires active inbuilt internet connectivity in the car.

1. Tap the Break Call application, from the App launcher Screen.
2. Tap B Call button, the infotainment system dials the Tata Break Down Service centre.
3. Swipe right on the 'Slide to End Call' bar to disconnect the call.

Figure 70 Break Down Call



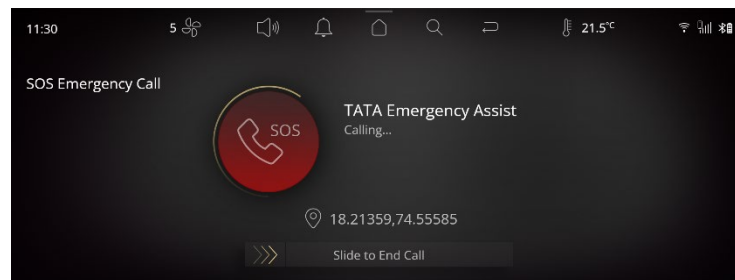
Emergency Call

In case of Emergency, the infotainment system helps you to call Emergency SOS number.

Note: This feature requires active inbuilt internet connectivity in the car.

1. Tap the Emergency Call application, from the App launcher Screen.
2. Tap E Call button, the infotainment system dials the Tata Emergency SOS number.
3. Swipe right on the 'Slide to End Call' bar to disconnect the call.

Figure 71 Emergency Call



Note: For more details, please refer hard copy of owner's manual

Voice Alerts

Voice Alert system alerts or informs you regarding the condition of some critical components or actions performed in your vehicle like warning for door open, change in drive mode and more.

The infotainment system plays all the alerts, and you can also view them in the Notification Bar.

To turn On/Off Voice Alerts:

- In the Vehicle Settings screen, navigate to Voice Alerts option
- Tap to turn On/Off Voice Alerts based on your requirement

Figure 72 Voice Alert Screen - Example

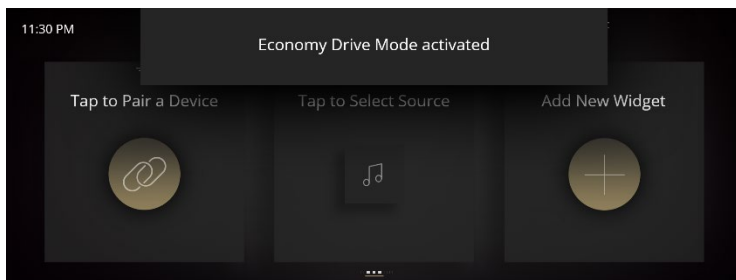


Table 5. Voice Alerts

Sr. No	Voice Alert Notification
1	"Auto Drive Mode activated"
2	"Comfort Drive Mode Activated"
3	"Dynamic Drive Mode activated"
4	"Rough Road Mode activated"
5	"City Drive Mode activated"
6	"Sport Drive Mode activated"
7	"Economy Drive Mode activated"
8	"Wet Mode activated"
9	"MUD RUTS Mode activated"
10	"Sand Mode activated"
11	"Grass or Snow Mode activated"
12	"One of the Doors open. Please check"
13	"Driver Door open. Please check"

VEHICLE FUNCTIONS

Sr. No	Voice Alert Notification
14	"Co-Driver Door open. Please check"
15	"Right rear Door open. Please check"
16	"Left rear Door open. Please check"
17	"Tail gate open. Please check"
18	"Fasten Driver seat belt"
19	"Fasten Driver seat belt"
20	"Release Park brake"
21	"Brake fluid level low"
22	"Please charge battery"
23	"Check Vehicle Tyres"
24	"Object ahead, please brake"
25	"Cruise activated"
26	"Vehicle Due for Service"
27	"Check Fuel Filter"

Voice Alerts

Sr. No	Voice Alert Notification
28	"Check Oil Pressure"
29	"Check Fuel level"
30	"Have a Tea Break"
31	"Check Water in Fuel"
32	"Smart Key Battery Low"
33	"Fasten Passenger seat belt"
34	"Cruise ON! Set the Speed"
35	"Key not found"
36	"Express cooling on"
37	"Express Cooling OFF"
38	"Express cooling on windows may roll down"
39	"Express cooling off roll up the windows if down"
40	"Roll up the windows if down"

Sr. No	Voice Alert Notification
41	"Low ambient temperature"
42	Take out the key fob
43	"Engage Park Brake and Take Key Fob Out "
44	"Park Lights ON please check"
45	"Head Lights ON please check"
46	Alert Table missing in requirement Doc
47	Alert Table missing in requirement Doc
48	"HV system fault, please stop the vehicle & contact service center"
49	"Vehicle will shift to Neutral in next 5 mins for your Safety"
50	"HV system fault, contact service center"

Mood Light

Mood Lighting is a part of interior lights. It utilizes the LED lights mounted around the cabin to enhance the design and give a soothing experience to driver and other passengers inside car. It is an add on feature to create a lively atmosphere inside cabin.

Mood lighting can influence the mood, eye fatigue, circadian rhythms, and concentration of drivers which in turn relates to safety

- a. Mood Light icon in 'Settings' screen (Icon is enabled in IGN ON/Engine-RUN)
- b. Mood Light icon in Settings screen (Icon is disabled in IGN OFF/Engine-OFF condition)
- c. Mood Light icon in Settings screen (Icon is disabled in IGN ON/Engine condition)

To access Mood Light screen from

1. **Settings>Mood Light**

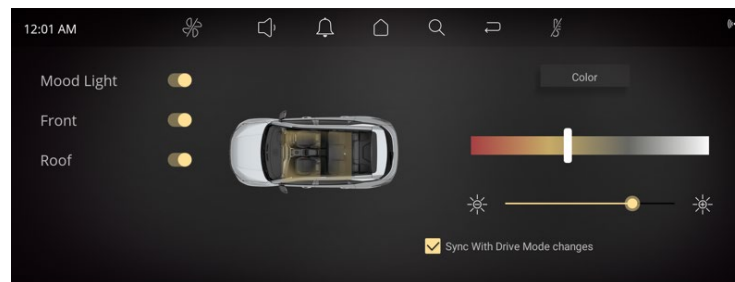
Or

Tap Mood Light Icon on QAD drawer or Application Drawer

2. Tap OFF button, to Turn off the Mood Light Feature
3. Tap ON button to Turn On the Mood Light Feature
4. Mood Light zone selection will be available for theme selection

5. Select the ZONE icon to turn on the front and rear mood lighting zone. You can enable both the zones or front or rear zone only

Figure 73 Mood Light Feature – Home Screen



JBL Modes*

JBL mode application provides enhanced sound controls ensure that all sources sound great.

Note: * sign denotes = If Applicable / Available feature in your car.

1. Tap  icon to set JBL mode as favorite
2. Tap  icon to view the mode in full screen
3. Tap  icon to setup balance and equalizer settings

Following modes are available which give for rich sound effects

1. Acoustic
2. Bass enhancer
3. Wide Stage
4. Custom
5. Cinematic Experience
6. Podcast
7. Electronic Music
8. Kids sleeping in back
9. Room
10. Hall
11. Arena

12. Concert
13. Indian Classical

Figure 74 JBL Modes Home Screen

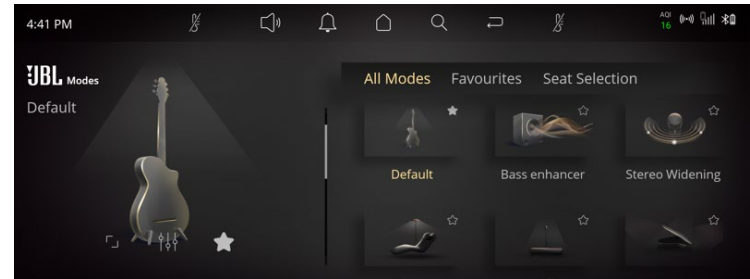


Figure 75 JBL Modes Favorites Screen

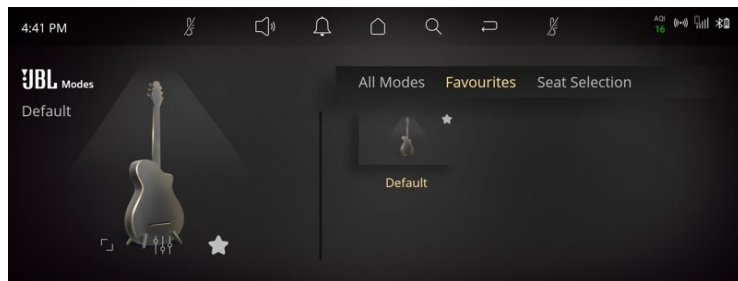
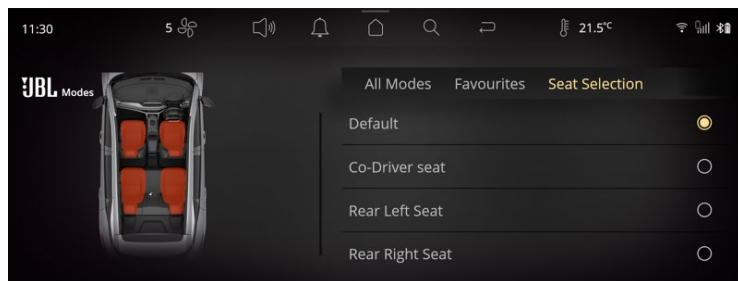


Figure 76 JBL Modes Seat Selection Screen



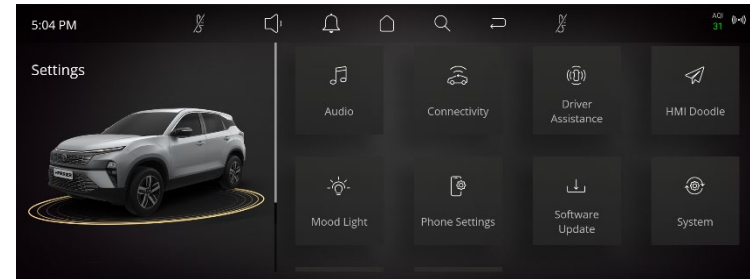
6 SETTINGS

Overview

The system allows you to view and setup the following settings from the infotainment system:

- Audio
- Connectivity
- Driver Assistance
- HMI Doodle
- Phone Settings
- Software Update
- System
- Vehicle

Figure 77 Settings



Audio Settings

The system allows you to manage your in-vehicle audio experience. With Audio Settings you can:

- Setup Volume for Media, Phone, Ringtone and System
- Control Bass, Middle and Treble using Audio Equalizer
- Manage in-vehicle volume distribution among the speakers using Balance and Fader settings

To access Audio Settings:

- Tap App launcher, select  Settings, the system displays the Settings screen with various settings list, navigate to Audio Settings
- Toggle between, Volume, Equalizer, Balance & Fader to setup audio.

Figure 78 Audio Settings Screen - 1

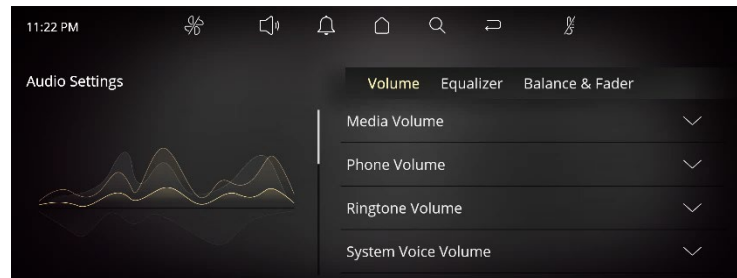


Figure 79 Audio Settings - 2

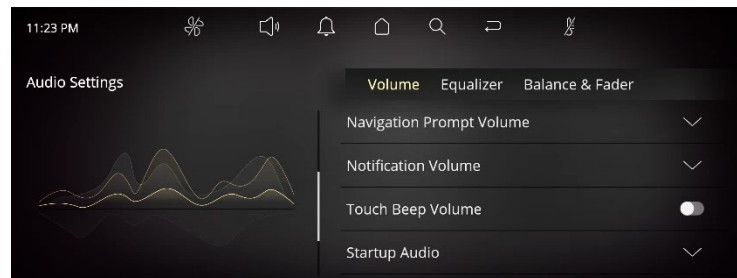
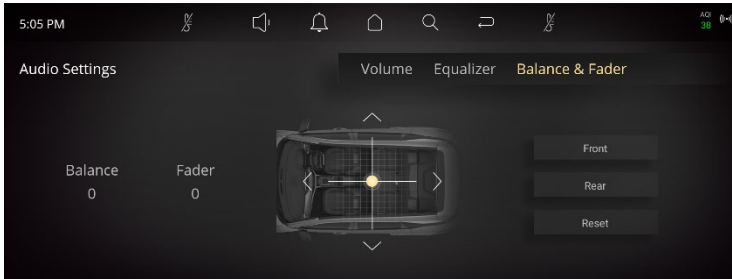
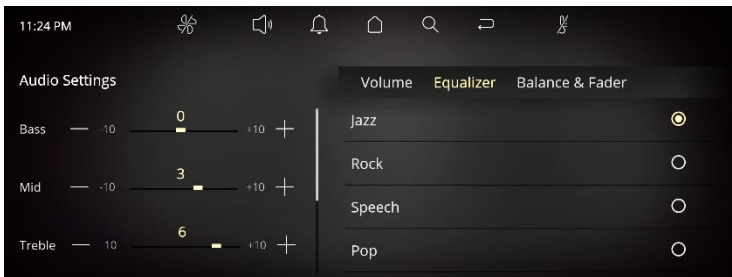


Figure 80 Audio Balance & Fader Setup Screen

Audio Balance and Fader controls adjust the strength of the sound coming from each speaker. The Balance control adjusts the side-to-side strength, while the Fader control adjusts the front-to-back strength

Audio Equalizer Setup is for adjusting volume of sound, bass booster, sound booster. It helps in changing the intensity of the sound of the music.

Figure 81 Audio Equalizer Setup Screen

Phone Settings

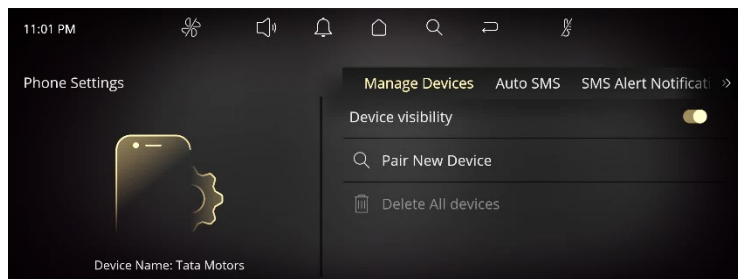
Along with telephony and basic phone related settings, system allows you to manage some advance phone functionalities like:

- Setting alert notifications for new SMS
- Configuring automatic SMS on Call rejection

To access Phone Settings:

1. Tap App Launcher icon
2. Tap  Settings, the system displays the Settings screen with various settings list, navigate to and open Phone Settings.

Figure 82 Phone Settings Screen



SMS Alert Notification

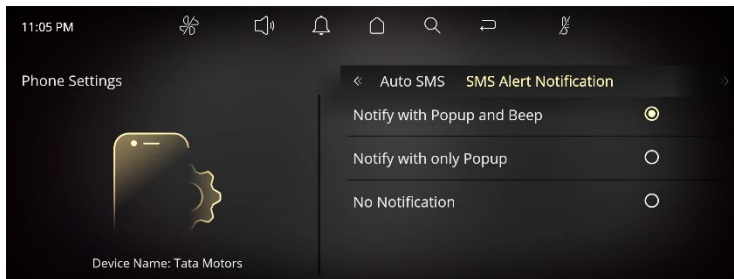
System can notify you when you receive any new SMS on your phone. You can control how you want to be notified:

- A beep with popup
- Only popup
- No notification

To enable the SMS notification

1. In the Phone Settings, navigate to and open SMS Alert Notification.
2. The system lists various options to handle SMS Notifications.
3. Scroll to and select the required setting. The system sets the selected option for SMS notifications and when you receive any new SMS, you will be notified by the system accordingly.
4. Select the Notify with Popup option, the system can also readout the new SMS to you.

Figure 83 SMS Alert Notification Screen



Connectivity

The infotainment system is Internet enabled with Wi-Fi and Hotspot features. It has a in-built internet connectivity to access internet.

Wi-Fi

To connect with internet:

1. Tap App Launcher Icon, navigate to Settings and select Connectivity.
2. Enable Wi-Fi. The system will list the available networks.
3. Select the network you want to connect, enter the password.
4. Upon authentication the system is connect with Wi-Fi

Figure 84 Wi-Fi



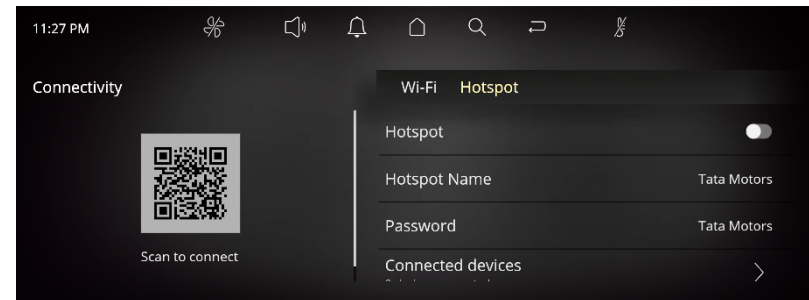
Hotspot

If the in-built internet connectivity feature is available, you can use the Hotspot feature to provide internet connectivity to other devices.

To provide internet access via Hotspot

1. Navigate to Connectivity Application, Enable Hotspot.
2. The system will display Hotspot Name and password.
3. Look for the same hotspot name in the device you want to connect with, enter the password and to get connected.

Figure 85 Hotspot



Software Update

You can view the details of the infotainment system software like version and date of update. This option is useful when any system software upgrade is available or to verify after upgrading the software.

To view the software details:

Go to Settings, the system displays the settings screen with various settings list, navigate to and open Software update App.

Following Software details are displayed:

- Current Version
- Package Name
- Software Release Date
- Installation date

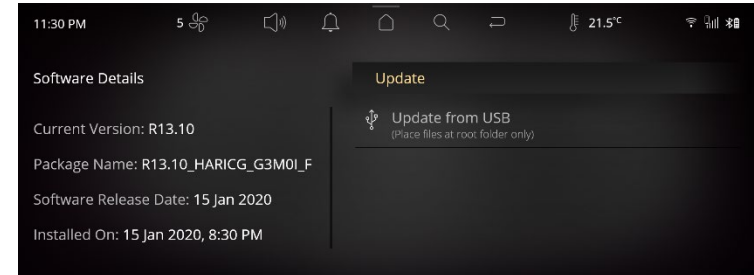
Updating Software

Updating the software of the system can be done when updated version of the software is available. The system notifies you when the software update is available.

You can update the software in following ways.

- By USB
- Wi-Fi Connectivity /
- FOTA (Firmware over the Air)

Figure 86 Software Details



System

The Infotainment system allows you to manage various system level settings, like:

- Clock – Date and Time
- Factory Reset
- Force Restart

To access System Setup:

1. Tap Settings, the system displays the Settings screen with various settings list, navigate to and open System Setup Application

Setting Date

To set the system date:

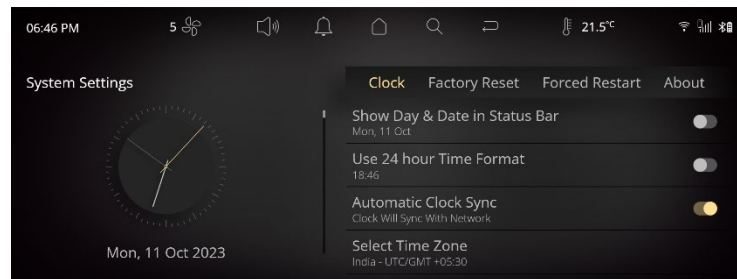
1. In the System Setup, navigate to and select the Set Date option. The system displays the Set Date screen.
2. In the Set Date screen, use the up  and down  arrows to change the Day, Month and Year accordingly.
3. Set the required date, tap the Set  icon The selected date is set as the system date.

Setting Time

To set the system time:

1. In the System app, navigate to and select the Set Time option. The system displays the Set Time screen.
2. In the Set Time screen, use the up  and down  arrows to change the Hour and Minute and AM/PM (in case of 12hr format) accordingly.
3. You can change time mode to 24hr format or 12hr format.
4. Set the required time, tap the Set  icon. The selected time is set as the system time.

Figure 87 Setting Time



Factory Reset

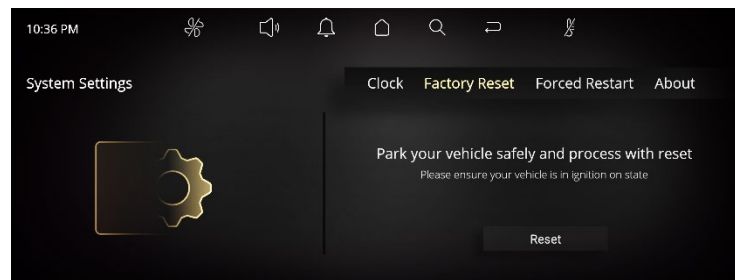
You can reset your system to factory default settings in case you are giving your vehicle to someone for temporary usage or when you are selling out your vehicle. On performing this, system will reset all personalized settings to factory default settings.

To perform Factory Reset:

1. In the System, navigate to and select the Factory Reset option. The system displays the confirmation pop-up to perform Reset.
2. On confirmation, system the system initiates the restoring to factory default settings action. The media source/radio that is currently playing will be stopped and the Phone will be disconnected.
3. Once the reset is completed, the system prompts you to switch OFF the infotainment system by doing Ignition OFF.
4. The reset action is completed, when you insert the key again (after 10 seconds at least) and switch ON the ignition and the infotainment system.

Note: Do not OFF the Ignition during the reset process is in progress.

Figure 88 Factory Reset



Hard Reset

System Reset removes all data and formats the system. To Hard reset the system

1. Press Mute button on the Steering Wheel switches for 10 sec and press source change for 10 sec, time gap between two switches should be less than 3 seconds.

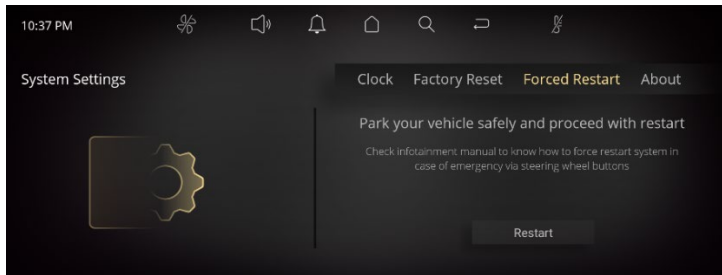
Force Restart

To force restart the infotainment system.

1. Tap Settings, Select System Settings.
2. Navigate to Force Restart Tab,
3. Tap Restart

Note: Park your vehicle safely before performing forced restart of Infotainment system

Figure 89 Force Restart



7 FREQUENTLY ASKED QUESTIONS

FAQs

Frequently asked questions related to the features and functions of the iRA infotainment system are listed below along with their answers.

1. ***I am playing the audio files in my Phone, connected through Bluetooth. However, I am unable to repeat tracks and play tracks in random. The Bluetooth connection is fine and all other media functionalities are working. Why am I facing this issue?***

Some of the Media functionalities are phone dependent and are supported only in phones with AVRCP version 1.3 and above. Please check the AVRCP version of your phone.

2. ***Why am I unable to fast forward or fast rewind music tracks when I play them from my phone?***

You can fast forward or fast rewind the track from your phone. Please check if you have connected your Phone to the infotainment system through Bluetooth connection. If yes, check the AVRCP version of your Phone. As, some of

the Media functionalities are phone dependent and are supported only in phones with AVRCP version 1.3 and above.

Fast forward and fast rewind from the infotainment system is available for USB Stick source only.

3. ***How to Play video in the infotainment system?***

Video Player is available in "Browse" option of Media screen and select "Video" option. Through this you can browse through the Video files available in the current media source only (USB Stick).

4. ***From which Media sources can I play video?***

You can play video only from USB.

5. ***I am unable to connect my Phone to the infotainment system using a USB cable however, I can connect through Bluetooth. Can you please help me with a solution?***

The USB cable that you are using to connect the Phone with the infotainment system might not be compatible with your Phone. Please use only the USB cable provided by the Phone Manufacturer

6. ***Can I use other functionalities of the infotainment system while connected for Android Auto/Apple CarPlay?***

Yes, you can use other functionalities of the infotainment system when connected for Android Auto/ Apple CarPlay. However, some of the functionalities like Bluetooth setup will be unavailable.

7. ***Android Auto and Apple CarPlay can be used simultaneously?***

No, Android Auto and Apple CarPlay cannot be used simultaneously from the infotainment system. You need to disconnect one app before connecting and using the other.

8. ***I am facing Network Error while using Alexa. How should fix this?***

To use Alexa in your Infotainment system, vehicle should have an active connectivity. Check network before using Alexa

8 ABBREVIATIONS

Acronyms

Table 6. Acronyms

Term	Definition
ABS	Anti-lock Braking System
AM	Amplitude Modulation
APPS	Applications
BMP	Bitmap Image File
BT	Bluetooth
BTSA	Bluetooth Streaming Audio
ECON	Economy
FM	Frequency Modulation
HK	Hard Key
HVAC	Heating Ventilation and Air Conditioning

Term	Definition
JPEG	Joint Photographic Experts Group
LP	Long Press
PBAP	Phone Book Access Profile
PDC	Park Distance Control
PNG	Portable Network Graphics
RVC	Rear View Camera
SP	Short Press
SWC	Steering Wheel Controls
USB	Universal Serial Bus

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