



MAZDA 6e
NAVIGATION SYSTEM

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1. Warnings and Safety Information

1. Warnings and Safety Information

When using the navigation system, please pay attention to the following warnings and safety information to ensure your safety and the safety of others:

- **Comply with traffic regulations:** The route suggestions provided by the navigation system are for reference only. You should always adhere to local traffic laws and road signs to ensure safe driving.
- **Pay attention to real-time traffic conditions:** The navigation system will provide real-time traffic information, but actual road conditions may vary. Please adjust the driving route according to the current situation.
- **Safe operation of the navigation system:** Avoid frequent operation of the navigation system while driving, and keep your attention focused on the road and surrounding environment. It is recommended to use the voice command feature to search for destinations and plan routes via voice commands to reduce distractions.
- **Regularly update the system:** Regularly check and update the map data and navigation application version to ensure the navigation system provides accurate information and the best service experience.

The above are just some common safety tips. By following these recommendations, you will be able to use the navigation system more safely and easily, enhancing your driving experience.

2. Getting Started

The Navigation app aims to provide an intuitive and convenient navigation style for your daily driving. This integrated navigation system combines the reliability of the on-board system with powerful cloud services. You can obtain reliable route guidance and real-time traffic conditions, giving you a clear view of the road ahead. The system performs best when connected to cloud services, but even without a connection, you can still enjoy seamless and fully functional navigation.

2.1 Before Using Navigation System

When using services such as online navigation and voice control, please complete the following two steps in the Mobile APP in advance:

- Connect with the vehicle, refer to the "To Start Connected Service" section for details.
- Scan the QR code to log in to your account when the vehicle's display is powered on, and select the network mode to complete the functionality authorisation. If the above two steps are not completed, only offline services such as offline voice control and offline navigation will be available, and some online functions will be unavailable.

Before using the navigation system, make sure you are familiar with its basic operations and functions. This system uses an on-board positioning system together with map data to provide both online and offline services. It includes an intelligent search engine with a single search bar for quick destination results. With one-touch route planning, it recommends the fastest route. The real-time traffic function also provides better route suggestions during traffic jams, helping you reach your destination accurately and conveniently.

To ensure the best experience, please try to avoid distracted operations while driving, and it is recommended that you perform destination input and setting functions only when it is safe to do so. Additionally, the system supports voice operation, allowing you to search for destinations, plan routes, and carry out other actions using voice commands, further enhancing driving safety and convenience.

2.1.1 To Start Connected Service

▼Download and Authentication

- You can download the Mobile APP from the Apple App Store and Google Play.

NOTE

Please note that this application is only compatible with mobile operating systems iOS 13.0 or later and Android 6.0 or later. The app's control functions are not supported on devices running earlier operating system versions.

▼Connecting with Vehicle

You can initialize your account information and connect with the vehicle at the dealership with the assistance of the service staff. Once the connection is complete, follow the steps below to connect the app with the vehicle:

1. After logging in to the App, navigate to the available vehicles page and select "Connect Vehicle" to view the list of vehicles;
2. Select your vehicle from the list. You will see your vehicle's model, VIN and other details displayed;
3. Click to obtain the verification code, the system will send the vehicle connection verification code to your email address;
4. Enter the verification code from your email and click [Confirm Link] to complete the process.

NOTE

After approval, the vehicle is displayed in the Mobile APP. If the authentication fails, the SMS message will prompt the reason for the failure. Please submit the materials for review as required.

▼Disconnect with Vehicle

If you need to cancel your account, you can disconnect your car in the following ways.

1. After the owner enters the home page, click the nickname of the vehicle in the upper left corner (default nickname: My vehicle or My car) to enter the vehicle management page;

2. Enter the vehicle management page and click the picture of the vehicle to enter the vehicle details page;
3. Click the "Disconnect Vehicle" button to enter the vehicle disconnection page, which will indicate the related impact and preconditions after disconnection;
4. After clicking "Confirm", the system will automatically judge whether there is a valid vehicle sharing record in vehicle. If there is, the pop-up window will prompt and provide a button to go to the vehicle sharing management to end the sharing. If there is no valid vehicle sharing record, the system will enter the account e-mail verification stage;
5. Click to obtain the verification code, the system will send the email verification code to the owner's mailbox;
6. Enter the verification code obtained from the e-mail address, and click "- Confirm disconnection" to complete vehicle disconnection.

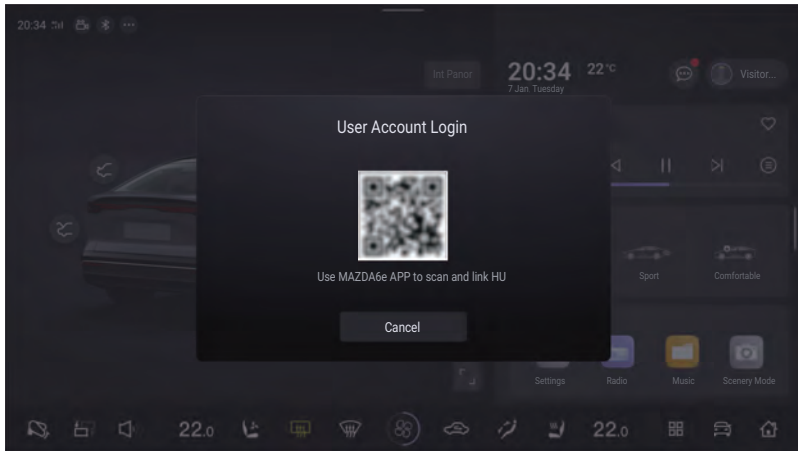
CAUTION

The management rights of the Mobile APP account belong to the user. Please refer to the Mobile APP for the User Agreement and Privacy Policy. If the user needs to clear the data of the Mobile APP on the mobile device, please perform the operation on the mobile side. If it is necessary to clear the data on the platform side, please bring the relevant identification documents to the dealership for verification and processing.

▼ Account Login

QR Code Login

You can tap "Visitor landing" in the personal centre to bring up the QR code login interface, and use the mobile app to scan the code to log into your personal account.



2.2 Navigation Menu

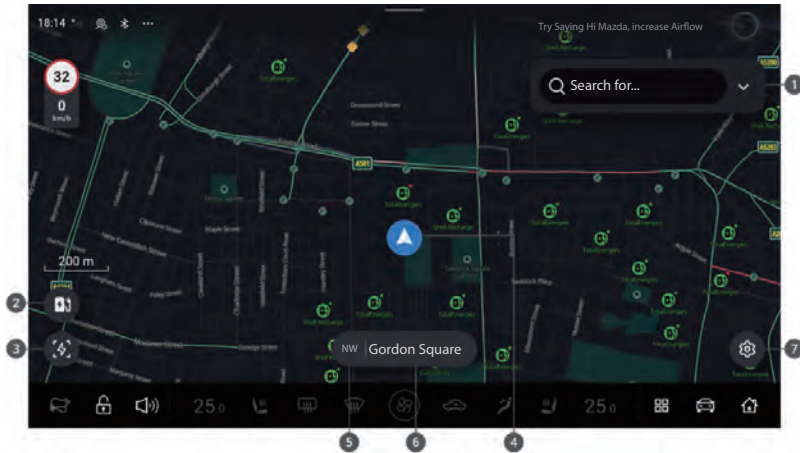
You can turn on navigation through the menu, or access it via the desktop navigation shortcut card when on the wallpaper page. This allows you to perform quick actions directly, such as initiating navigation to your home or workplace. The navigation app is displayed in full screen view on the centre display, providing you with a large interactive map and clear route guidance for easy viewing.



Desktop Navigation Card

2.3 Buttons and Other Controls on Screen

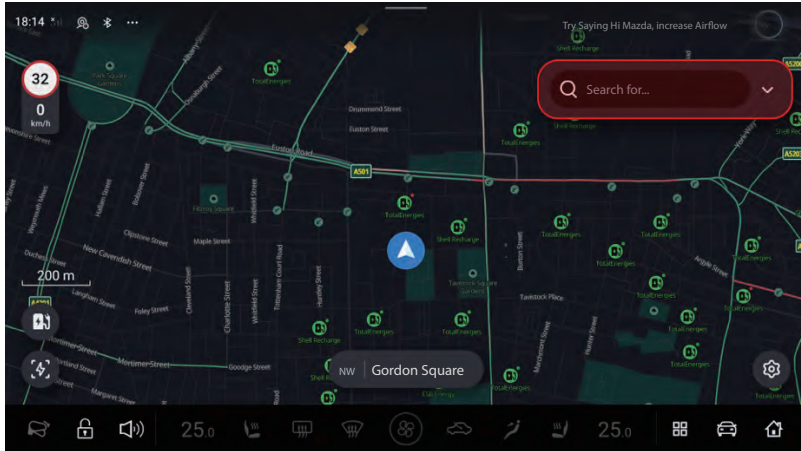
1. Search - Click the magnifying glass button in the search area to start a search.
2. Charging station search - Click the charging station icon to quickly search for charging stations.
3. Battery remaining power - Click the driving icon to display the distance you can travel with the current battery level.
4. Current Vehicle Position (CVP) icon - Shows the current location of the vehicle on the map.
5. CVP direction - Indicates the direction in which the vehicle is moving.
6. Current road label - Displays the name of the current road.
7. Settings - Click the settings button to access navigation-related settings.



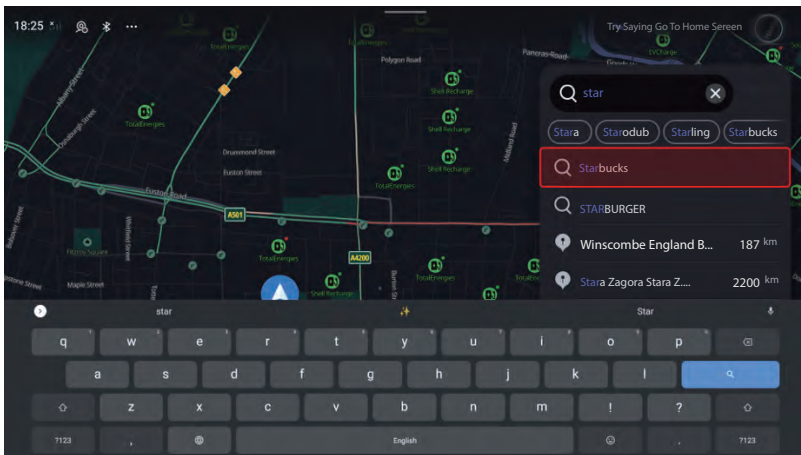
Free Drive Mode

2.3.1 Using Keyboards

When using navigation, you can enter information using the system keyboard. The primary use cases for the keyboard include searching for destinations, setting key locations (such as your home or workplace), and naming saved point-of-interest (POI). In a standard search scenario, the system supports associative historical keywords, keyword autofill, and intelligent completion functions, reducing your input time and maximising driving safety.



Entering from Keyboard



Selecting Automatic Suggestions

2.3.2 Commander Switch Operation

Navigation not involved.

2.4 Map Screen

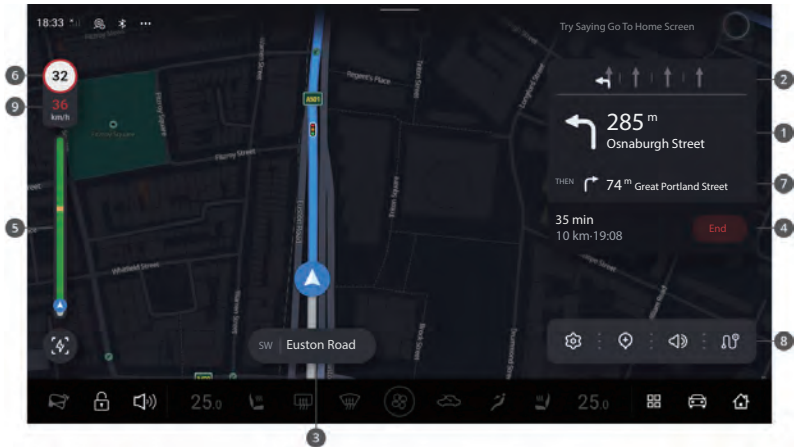
The map screen includes a variety of functions and information displays, covering navigation operations, location marking, viewing detailed information of objects, map controls, and version checking. This will help you fully understand how to use the map screen efficiently for navigation and information queries.

2.4.1 Navigating on Map

After selecting your destination and starting navigation, you will receive clear and easy-to-understand turn-by-turn instructions on the central screen, accompanied by voice guidance through the on-board speakers, ensuring you understand the directions to your destination accurately. This reduces the pressure of upcoming manoeuvres, and the easy-to-understand guidance lets you know exactly when and where to turn. The navigation interface offers multiple functions, including:

1. Navigation bar (turn indicator): Helps you understand the next action, including the type of turn, distance, and the name of the road after the turn.
2. Lane guidance: Provides accurate lane guidance, follow the highlighted lane for operation.
3. Current road label: Displays the name of the road currently being driven on.
4. Estimated time of driving (ETE), estimated time of arrival (ETA) and remaining distance: Provides information on the distance to the next destination and the time required, and supports quick navigation termination.
5. Traffic bar and traffic incident icon: The simulation bar displays real-time traffic conditions, with blue indicating smooth flow and yellow and red indicating congestion. Different icons indicate specific traffic events ahead.
6. Speed limit: Provides accurate speed limit indications for the current road.
7. Sharp turn view: When approaching a turn operation and a second turn operation is about to appear, the sharp turn menu is displayed.
8. Broadcast mode adjustment: Click to quickly adjust the navigation broadcast mode.

9. Speed alert: Displays the vehicle speed in real-time, with the icon turning red as a warning when speeding.



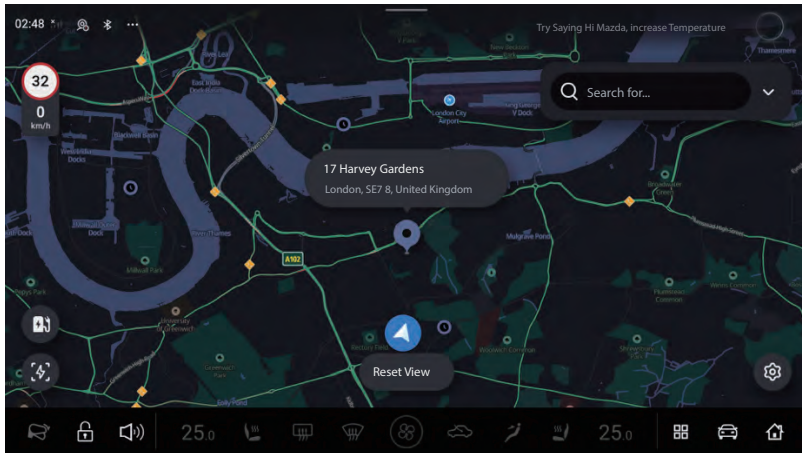
Navigation Guide Mode

2.4.2 Position Markers

The location marker intuitively displays your current position and movement trajectory, as well as the vehicle's orientation on the map screen. The current vehicle position (CVP) icon helps you quickly locate your position and clearly guides you to your destination.

2.4.2.1 Selected Map Location (Cursor) and Selected Map Object

Supports picking and selecting point-of-interest (POI) on the map. Click to display detailed information about the point (such as the POI name, address, distance, etc.), and supports operations such as favourites, surrounding searches, and route planning.

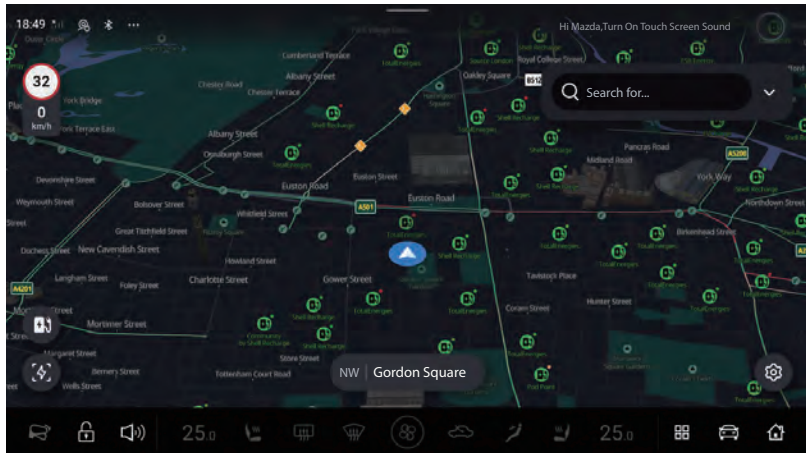


Selecting Points on Map

2.4.3 Objects on Map

The navigation interface offers a rich HMI design, displaying various map elements including green spaces, rivers, and oceans, and showcases multi-dimensional buildings as references. You can manually or automatically adjust the map scale for anti-aliasing and smooth movement. The display content is as follows:

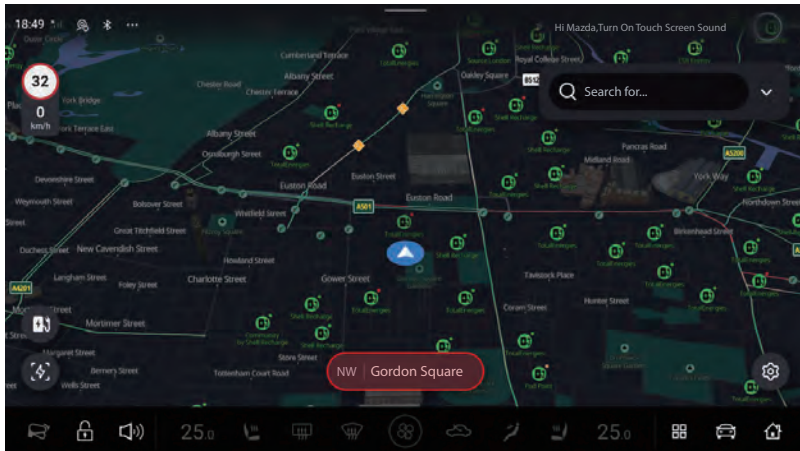
- Base map information: Displays basic map information such as roads, administrative boundaries, green spaces, and water bodies like rivers.
- Road conditions display: Real-time display of traffic flow and traffic event details, relying on real-time data provided by HERE.
- Marker display: Supports displaying different icons and symbols, such as POIs, start points, end points, waypoints, nearest destination, favorite points, etc.
- Map POI category display control: Users can select their preferred POI categories to always display, such as charging stations, parking lots, restaurants, cafe, shopping etc.
- Traffic reminder information: Displays speed limits, speed cameras, and other safety information.
- Displayed in 3D mode: Displays 3D blocks and buildings according to actual data.



3D Car-Heading-Up Screen

2.4.3.1 Streets and Roads

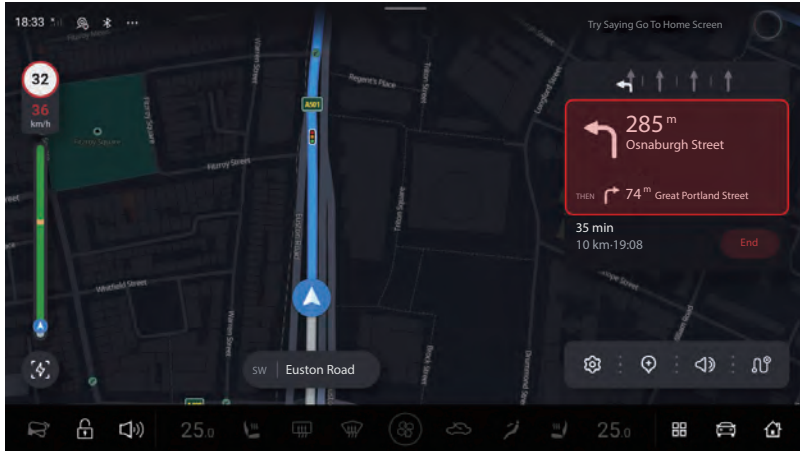
In the operation of the navigation system, whether in navigation guidance mode or free-driving mode,, the current road name will be displayed in real time at the bottom of the screen, providing you with clear positioning information. This function ensures that you know your exact location at any time, especially in complex urban road networks, helping you avoid getting lost. At the same time, the real-time updated street names combined with navigation elements such as turn indications and intersection previews provide you with comprehensive route-guidance assistance.



Current Road Name

2.4.3.2 Turn Preview and Next Street

In navigation guidance mode, you can view the "Next turn operation" menu through the TBT guidance information panel of the map to check the turn arrow, turn distance, and street name for the next turn operation. At the same time, information such as the remaining distance to the next destination, Estimated Time of Arrival (ETA), and Estimated Time Enroute (ETE) will also be displayed on the screen.

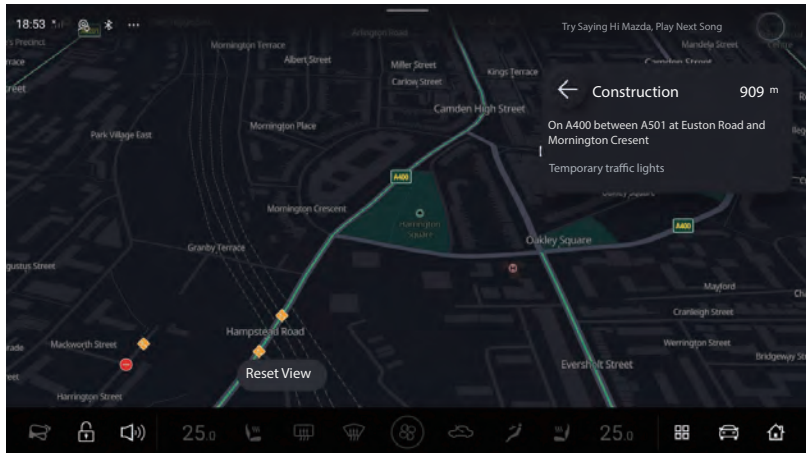


Next Turn Operation Reminder

2.4.3.3 Lane Information and Road Signs

When the navigation system encounters traffic events during route planning, it will inform you through the route traffic event pop-up bar and prompts, ensuring that you stay informed about traffic conditions during driving, and make adjustments according to the actual situations to ensure smooth and safe driving.

- If the system recognizes a better route, it will proactively prompt you to confirm whether to update the route.
- Traffic events will be prompted on the map in the form of icons. You can click on the icons to view the details of the events, including construction, road closures, etc.



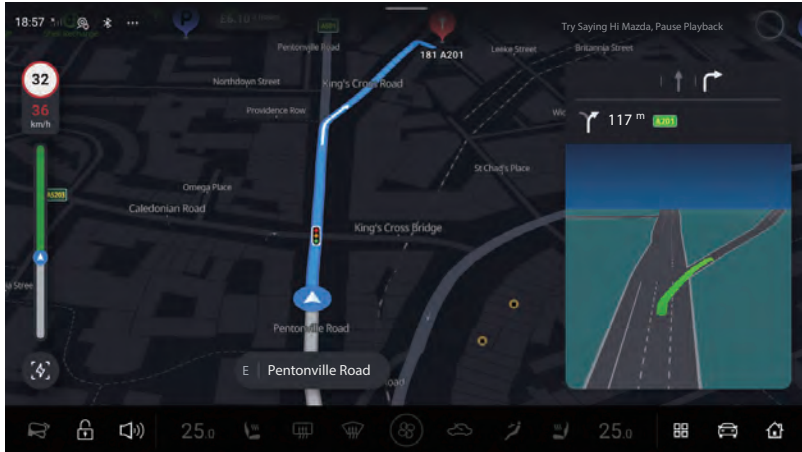
Traffic Events

- If the current route is unavailable due to traffic event updates, such as road closures, the navigation will automatically replan a route for you.

2.4.3.4 Lane Information

According to the path planning, the system will intelligently display all lane lines of the current road on the TBT guidance information panel, so as to adapt to different driving scenarios.

Among these lane lines, the highlighted lanes indicate the ones you can drive in, while the grey lanes indicate those that are currently not available or not suitable for your next route selection. This intuitive color distinguish allows you to quickly identify which lanes are the correct path to your destination, reducing hesitation and uncertainty while driving.

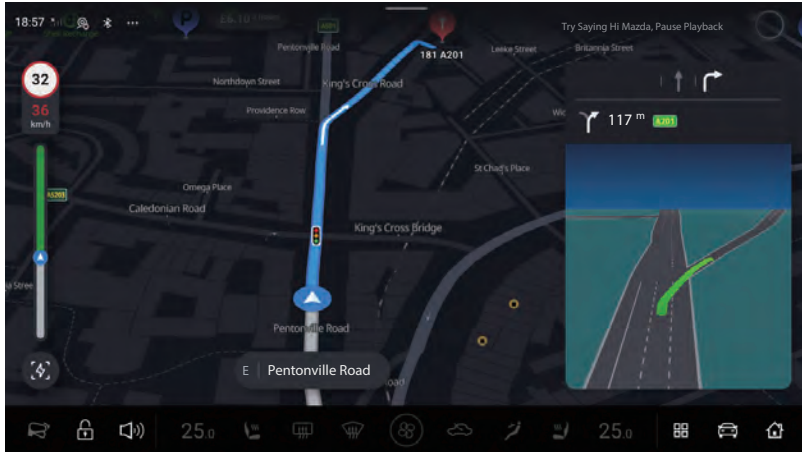


Lane Information

2.4.3.5 Intersection Enlarged View/Highway Intersection View

When you approach an intersection that requires a turn, lane change or highway exit, the system will display a clear enlarged view of intersection on the screen. The view includes lane distribution, guidance arrows, and corresponding turning prompts, helping you quickly understand the driving path.

Regardless of the complex intersections on urban roads or forks and exits on highways, this function can intuitively show the lanes that should be selected, allowing you to prepare in advance and ensure the smooth completion of next operation. With this intuitive lane guidance, you can drive with more confidence and reduce the inconvenience and risk caused by hesitation or taking the wrong lane at critical intersections.



Intersection Enlarged View



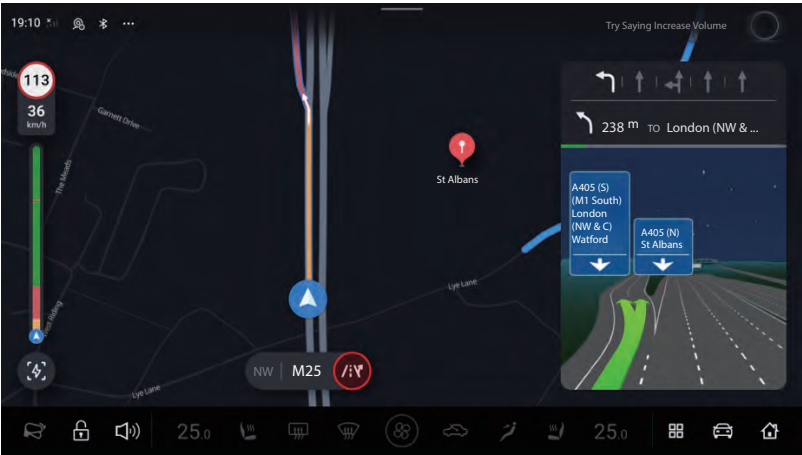
Highway Intersection View

2.4.3.6 Highway Exit Information

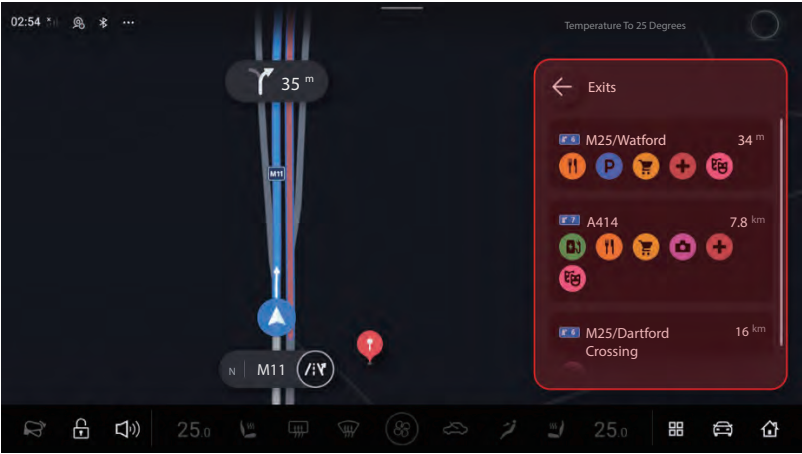
Click the exit icon on right side of the current road name at the bottom of map to open the exit list. The icon is displayed only when there are available exits on the highway.

When driving on a road with designated exits, the exit list can be used. The exit list will show the number of exits, the distance between the current

vehicle position and the exit, and the available convenient parking spots, such as charging station, restaurant and hotel, etc.



Highway Exit Button

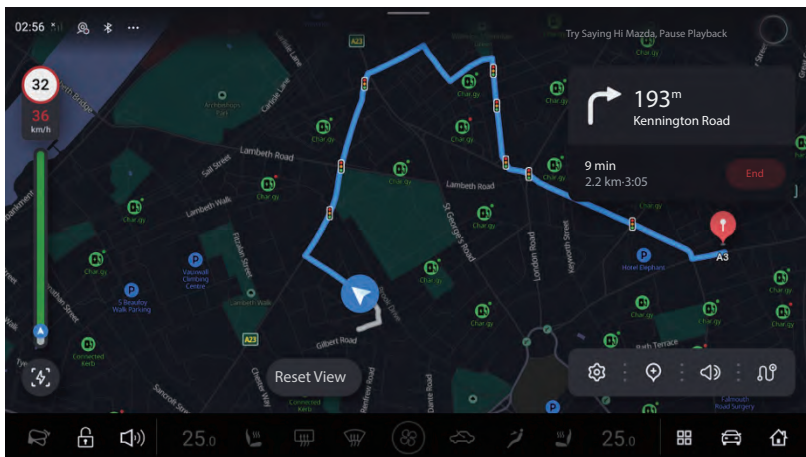


Highway Exit List

2.4.3.7 Elements of Active Route

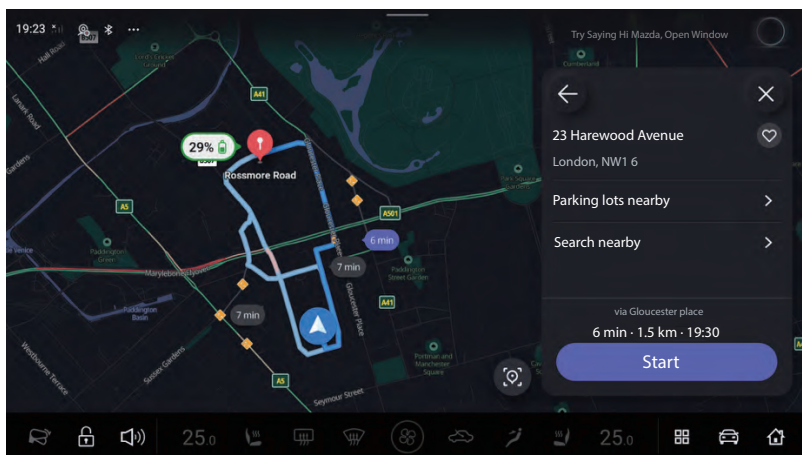
The navigation guidance mode not only includes a basic introduction to navigation on the map, but also integrates a variety of scenarios and

functions to enhance your driving experience. During your journey, the system will remind you to pay attention to traffic enforcement cameras, road facilities ahead and school areas to ensure driving safety. When approaching the destination, the navigation will recommend nearby parking lots and charging stations and display them via icons, making it easy for you to quickly find convenient parking or suitable charging locations. After navigation ends, the system will display the current destination information and the total duration of the entire trip, allowing you to have a clear understanding of the journey.



Recommended Parking Lots/Charging Stations

In navigation scenarios, the map display elements are also carefully designed to help you better understand the routes and road conditions. The travelled routes will be displayed in grey, clearly distinguishing between travelled and untravelled routes. Intersection turn arrows are highlighted to ensure that you do not miss any turn points. Traffic events, such as construction ahead, are displayed on the map via icons, allowing you to prepare in advance.



Route Overview

To help you focus and improve driving safety, the navigation system provides detailed voice guidance, reducing the possibility of missing intersections. Voice guidance supports broadcasts of TBT navigation information, speed limits, traffic enforcement cameras, road safety and road conditions ahead. You can also choose the broadcast mode according to your preferences, including standard, tone only, or mute, and adjust the broadcast volume to enjoy a personalized navigation experience.

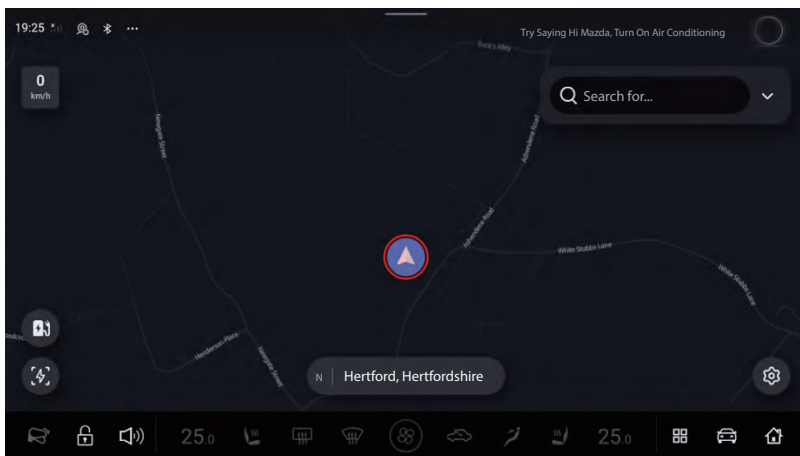
2.4.4 Map Operations

- **Zoom:** The map display adjusts to different scales as you zoom in or out. The scale in the Telenav Map is not fixed; the displayed scale for your current location is calculated based on your latitude, longitude, and hardware screen size. The scale corresponding to different zoom levels will be recalculated and displayed with your zoom operation.
- **Drag to move the map:** When you drag the map, a reposition button appears. Click this button to instantly reset the map to its default view, centred on your vehicle.
- **View angle switching:** In the settings, you can switch among three modes: 2D North Up, 2D Heading Up, and 3D Heading Up.
- **Gesture recognition:** You can interact with the navigation display by touching different areas of the screen. To explore the map, use the following gestures:
 1. **Zoom gestures:** After zooming, the scale control updates.

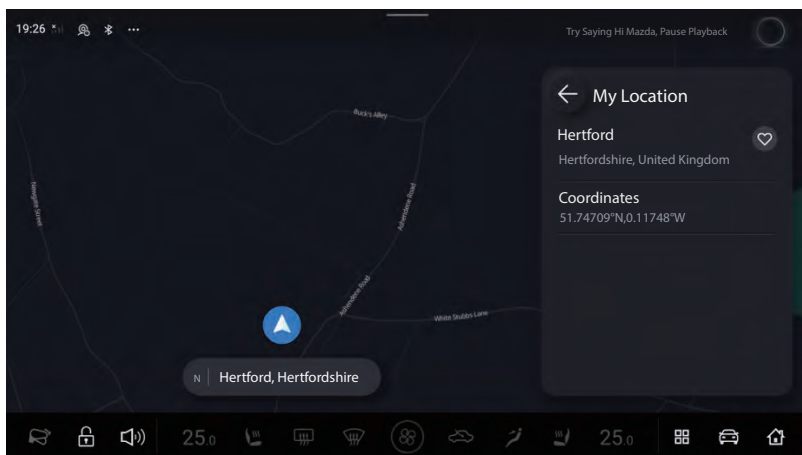
- Pinch in with two fingers to zoom out;
 - Spread two fingers apart to zoom in;
 - Double-tap with two fingers to zoom out;
 - Double-tap with one finger to zoom in;
2. Drag to move: Supports dragging the map to move the map. Move the map by dragging it with one finger left, right, forward, or backward;
 3. Rotate the map: Place your thumb and index finger on the map, then rotate them to the left or right;
 4. View angle switching: Switch between 2D and 3D perspectives by placing two fingers on the map and swiping up or down.

2.4.5 Checking Details of Current Position (Where Am I?)

In the navigation system, your current vehicle position is always clearly shown on the map screen as a CVP arrow icon, providing real-time location information. The icon intuitively indicates the current location of your vehicle on the map. You can tap the current road name to view detailed information about current location.

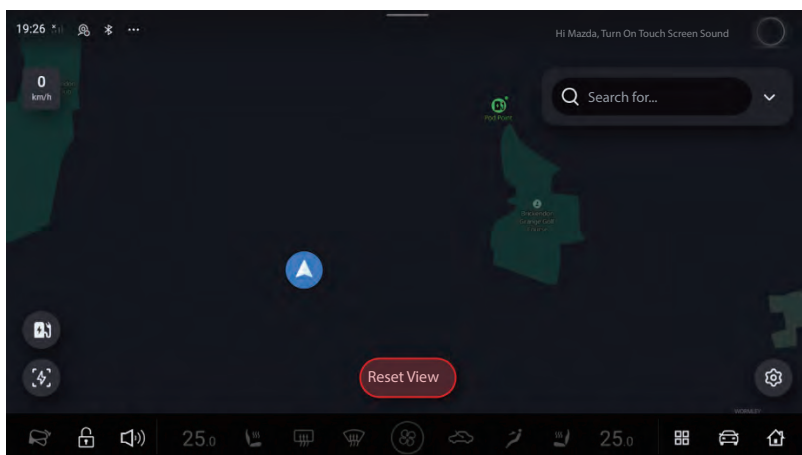


Current Vehicle Location Icon



Details of Current Location

After you drag on the map to view other areas, the screen will provide a "- Recentre" button, allowing you to easily re-centre the map on your vehicle's location with one click, quickly returning to the current view.



Quick "Recentre" Button

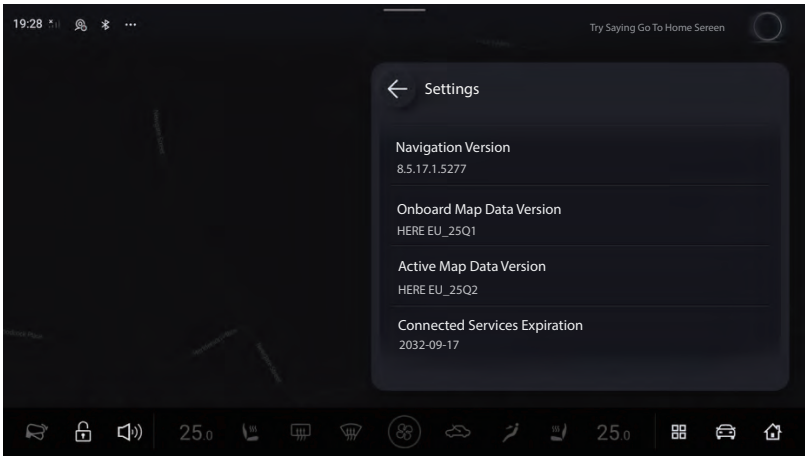
In addition, the system also features an intelligent auto-correction function. If you do not operate the map for a period of time, the system will automatically detect this and smoothly move the map view back to your

vehicle's location after approximately 15 seconds, ensuring that you can always quickly access the latest information about your position.

2.4.6 Navigation Map Version Checking Method

To check if your navigation system has the latest map data and application version, enter setting menu of navigation system, select "About". The system will display the currently installed navigation app version and related map data version information. Distinguish between pre-installed offline map versions and map data versions currently in use. The map data version currently in use means that the system will automatically obtain and use the latest map data in the cloud first when connected to the Internet; When there is no network, the on-board offline map data will be used.

Continuous version updates ensure you can get the latest traffic conditions and route planning, maintaining navigation accuracy and reliability.



Navigation Version Information

2.5 Voice Recognition

Our navigation system supports voice recognition function, and you can perform various operations through voice commands, thus reducing distractions while driving and improving driving safety. The content in section 2.5.1 is a list of commonly used voice commands to help you quickly understand and use voice control function.

2.5.1 Voice Command List

Function Type	Detailed Requirements	Example of Dialogue
Navigation Control Class	Enable/disable map by voice	Enable/disable navigation map Enable/disable map
	End navigation by voice	End navigation
	Preview the entire route during navigation	Full route preview/exit full route preview
	Favorite current location/destination	Add current location/destination to navigation favourites
	Map view switching (2D north up/3D heading north up)	Switch the map view to 2D north up/Switch the map view to 3D heading north up
	Map zoom in/out	Zoom in/out map
	Enable/disable real-time road conditions by voice	Enable/disable road conditions
	Enable/disable navigation history by voice	Enable navigation history
	Enable navigation favourites by voice	Enable navigation favourites

	Set/modify quick addresses (home/ company)	Set the home address to xxxx
	Switch navigation broadcast mode by voice	Set the navigation broadcast mode to Concise
	Make a call through voice address card	Call the first one
	Reorder the voice address card conditions	Sort from near to far
Navigation Class	Express navigation intent only	I want to navigate
	Navigate to POI	Navigate to train station
	Navigate to city	Navigate to Shanghai
	Navigate to the tagged address	Navigate to restaurant
	Navigate to history	Navigate to history
	Navigate to favorite POI	Navigate to favorite address
	Quick navigation (home/company)	I want to go home/to the company
	Colloquial navigation expression	I'm hungry/want to go to the toilet

	Nearby search	Navigate to a nearby hot pot restaurant
	Waypoints	Set charging station as waypoint/delete waypoint
Navigation Query Class	Query current location	Where am I now/ What is my location
	Query home/company location	Where is my home/ company?
	Query the distance traveled this time	How far have we traveled this time/just now
	Query the time traveled this time	How long have we traveled this time/just now
	Query the remaining travel time	How much longer
	Query the remaining travel distance	How much farther

3 Road Navigation

The road navigation function provides multiple ways to quickly set a destination: Directly enter the address, select a point-of-interest (POI), specify a location on the map, choose a frequently used location from favourites, or reselect a previously visited destination from history. These options allow you to quickly plan the best route, no matter where you are, providing a convenient navigation experience.

3.1 Selecting Destination for Route

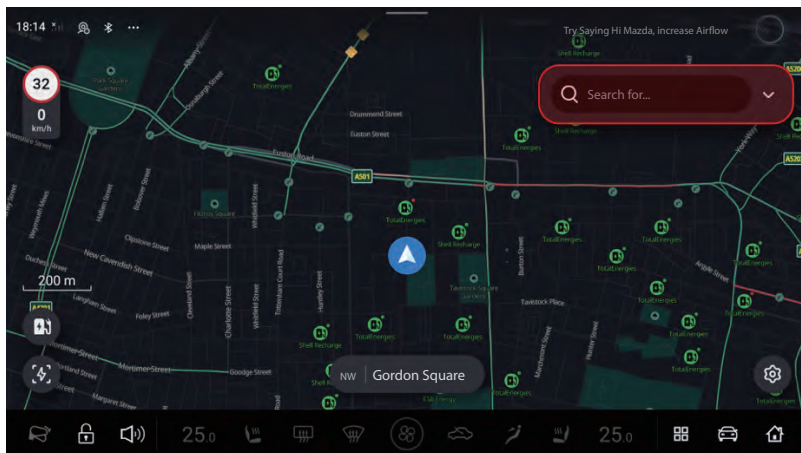
Select your preferred search method. Use the one-box search to find destinations, discover shopping and dining locations by point-of-interest (POI) categories, or simply explore the area by scrolling the map. With multiple convenient search methods, you can always quickly find what you need.

3.1.1 Entering Address or Partial Address

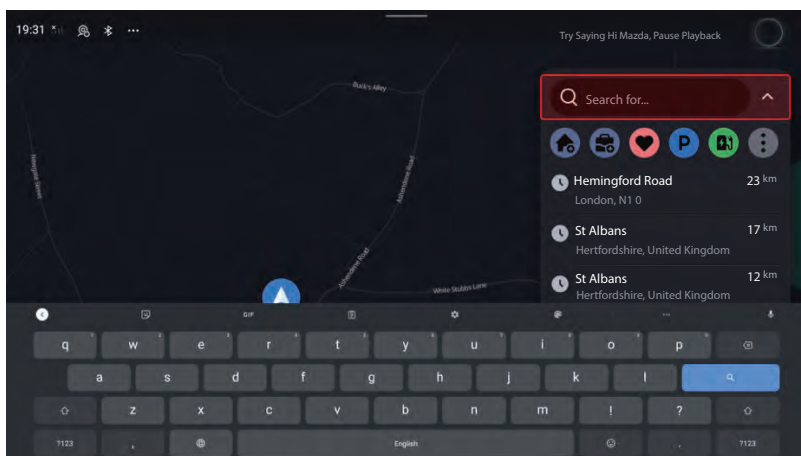
With the powerful one-box search—search list, you can always find what you need with one-box search no matter where you are. Obtain relevant suggestions while entering to find what you need faster.

3.1.1.1 Entering an Address

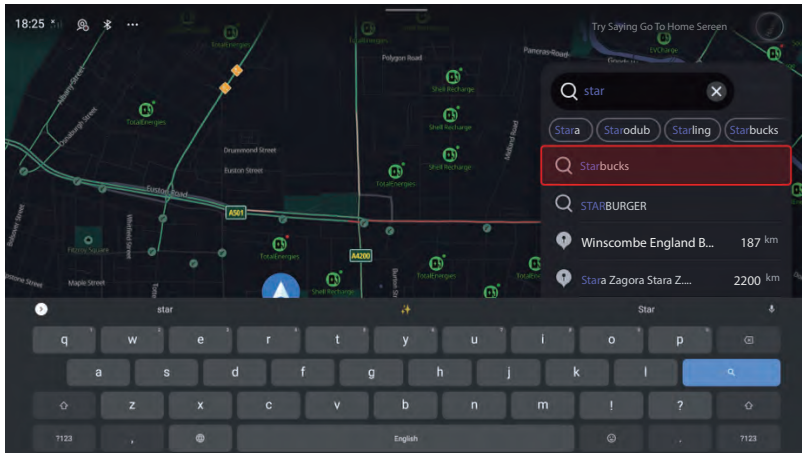
The system supports destination search by entering keywords in the input box. It provides keyword association, POI lists, keyword autofill, and automatic suggestions during entering. It also allows one-button quick deletion of all content in the input box. Additionally, it supports search association, including history keywords, keyword autofill, and intelligent completion function, which reduce user's entering time and provide maximum protection for driving safety.



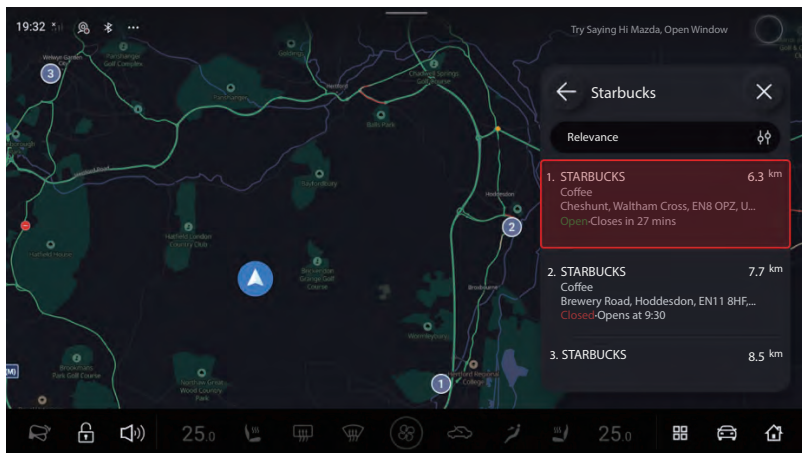
Clicking Search Icon



Entering from Keyboard



Selecting Automatic Suggestions



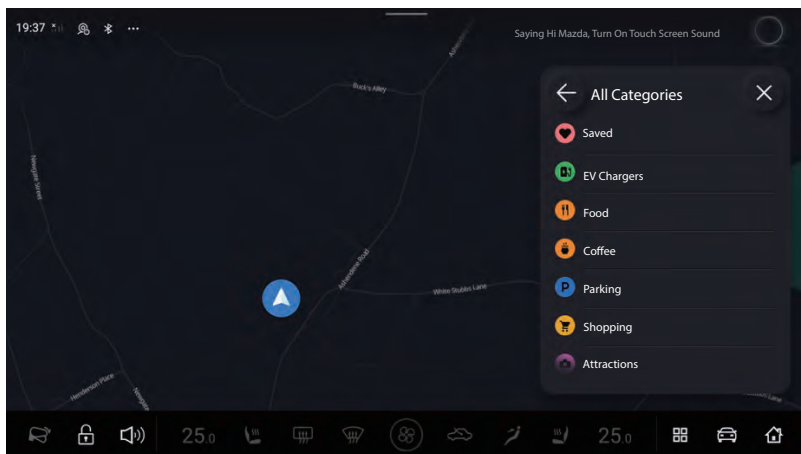
Selecting Search Results List

3.1.2 Selecting Destination from Point-of-Interest (POI)

Various types of popular point-of-interest (POI) category information are available for your selection, so you can quickly browse the list of relevant suggestions without entering any detailed information.

3.1.2.1 Quick Search for a POI (Point-of-Interest)

The supported categories are determined based on the actual categories supported by the map data provider in the relevant area, subject to the actual capabilities of the cloud interface. For example: Saved, EV Chargers, Food, Coffee, Parking, Shopping, Attractions, Entertainment, Lodging, Emergency, ATMs, Rest Areas, Service Station.

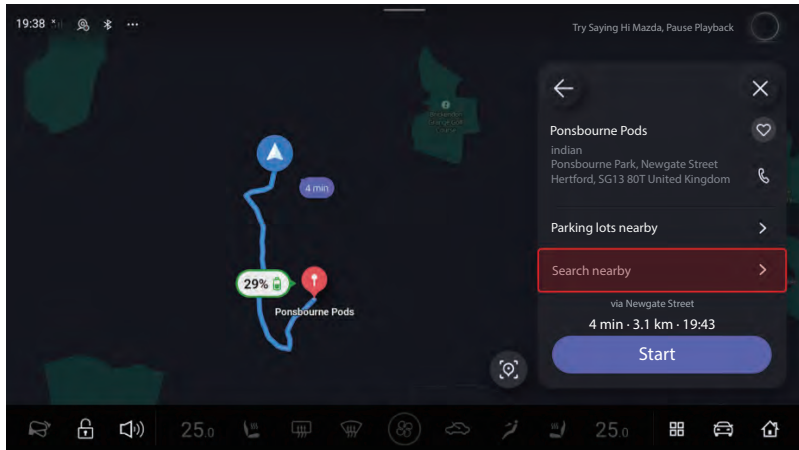


Popular Category Recommendations

3.1.2.2 Help for Nearby Search

Nearby search supports two scenarios: Current location and selected point.

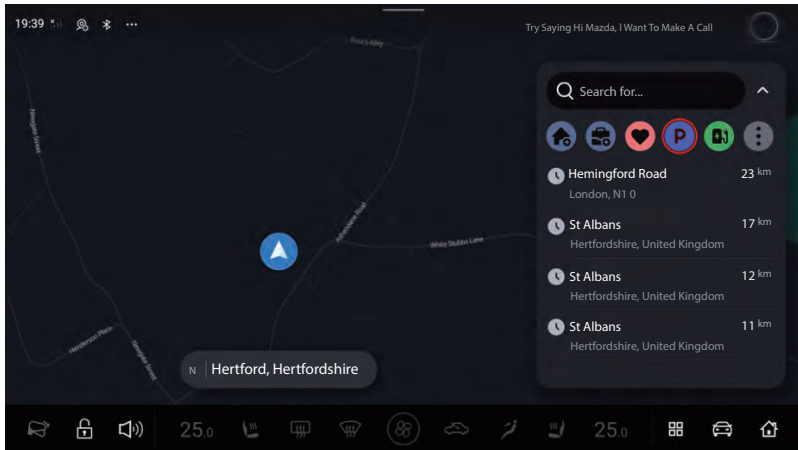
1. Search around parking space: It automatically searches the area around your current parking space by default, supporting nearby search by keyword or category.
2. Search around selected point: The search around the selected point supports specifying the location of point-of-interest (POI). On the details page of this POI, click the "Search nearby" button to perform a nearby search by keyword or category.



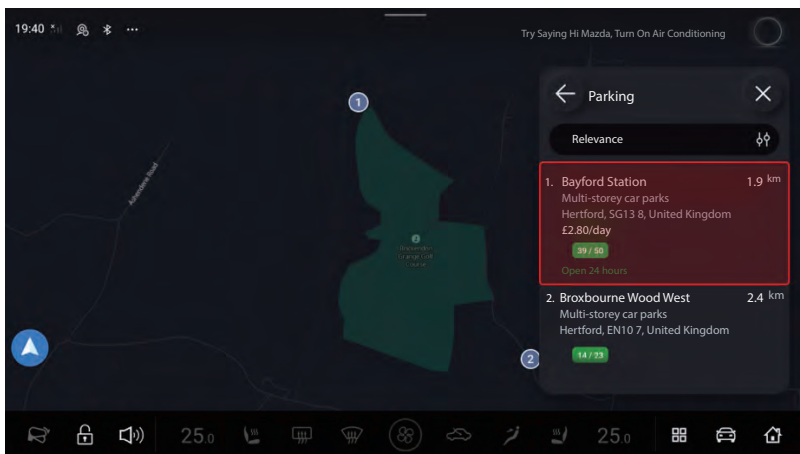
Nearby Search

3.1.2.3 Searching for a POI (Point-of-Interest) by Category

Whether you are looking for a charging station, hospital, restaurant, or any other service facility, you only need to use simple category filters, and the system will display all relevant location options. There are also sub-categories in filters, making it more precise and convenient for your search. In addition, the system supports intelligent sorting functionality, enabling search results to be sorted based on distance or other criteria, ensuring you can easily find the location that best meets your needs.



Selecting a Category - for Example, Parking

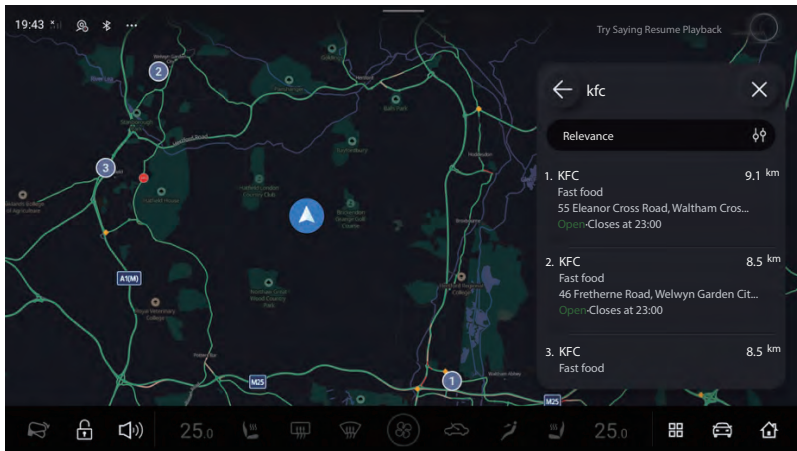


Selecting a Parking Space and Clicking "Start Navigation".

3.1.2.4 Searching for a POI (Point-of-Interest) by Name

If you already know the specific point-of-interest you want, our navigation system offers a convenient point-of-interest search function by name. This function allows you to directly enter the name of a point-of-interest, quickly locating your desired destination. This function is particularly suitable for users who have specific needs for specific brands or locations. Whether you

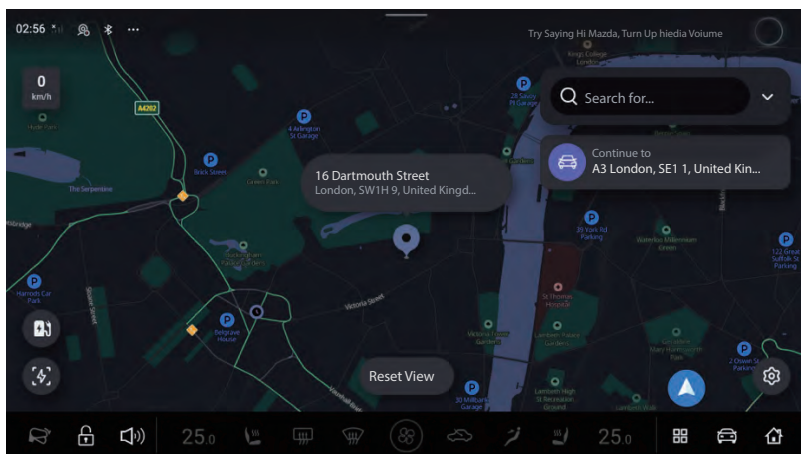
are looking for a specific coffee shop, hotel, shopping center, or any other location, as long as you know the exact name, the navigation system can quickly provide you with precise location information and navigation routes.



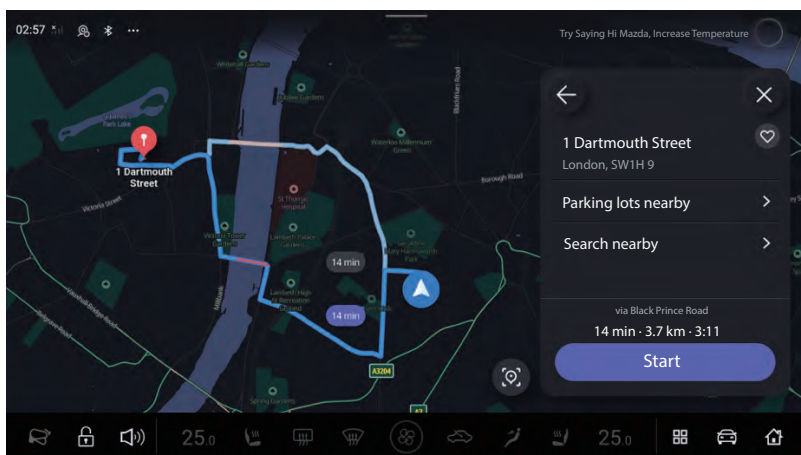
Searching for Brands such as KFC

3.1.3 Selecting Map Location as Destination

Selecting point-of-interest (POI) by picking on the map is supported. Slide the map to find the location you want to set as your destination, which can be any point on the map. Click to display the details of the point (such as the POI name, address, distance, etc), and quickly start navigation with it as the destination. This function is ideal for selecting a destination directly using visual information on the map when there is no specific destination name or address. Whether it is an interesting location discovered on the way or a temporarily changed destination, selecting directly through the map makes your navigation process more flexible and convenient.



Map Picking

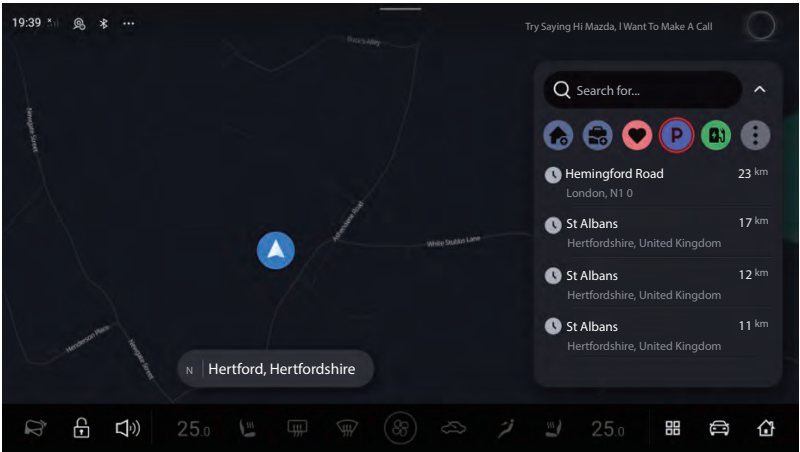


POI Details Page

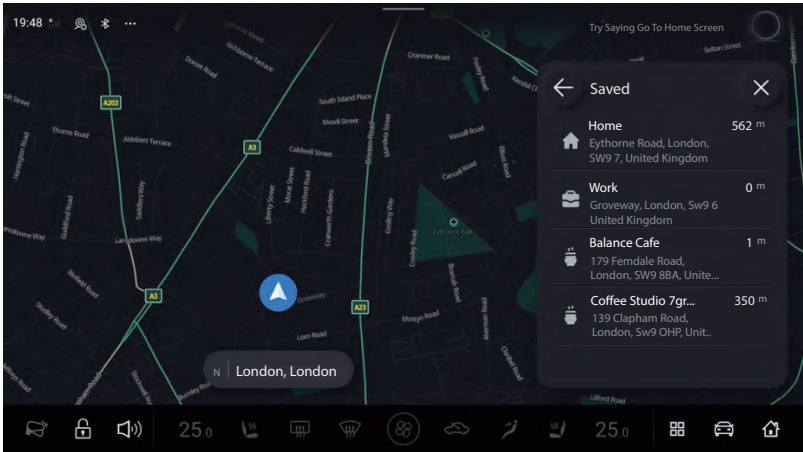
3.1.4 Selecting Destination from Favourites

To make your trips more convenient, the navigation system allows you to save frequently used or favorite destinations to favourites. When you need to quickly access these locations, simply follow a few simple steps: Click on the favorite icon in the one-box search and select the destination you plan to visit. The favourites function is especially suitable for storing your home

address, work location, or any locations you frequently visit. It not only saves search time but also makes preparation before each trip easier and faster.



Clicking Favourites

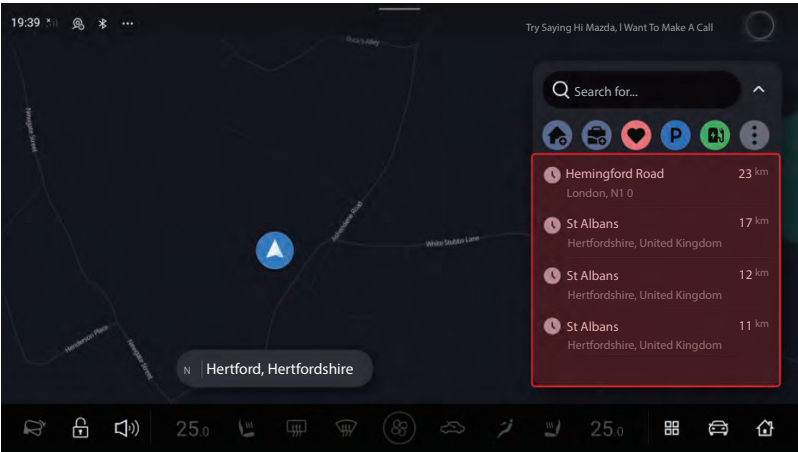


Selecting from Favourites

3.1.5 Selecting Most Recent Destination from History

To quickly revisit locations you've previously visited, our navigation system provides the function of selecting a destination from history. Click the search

box to select a point-of-interest (POI) or address from your historical destinations, and then start driving. This convenient method lets you easily navigate to locations you've visited before.

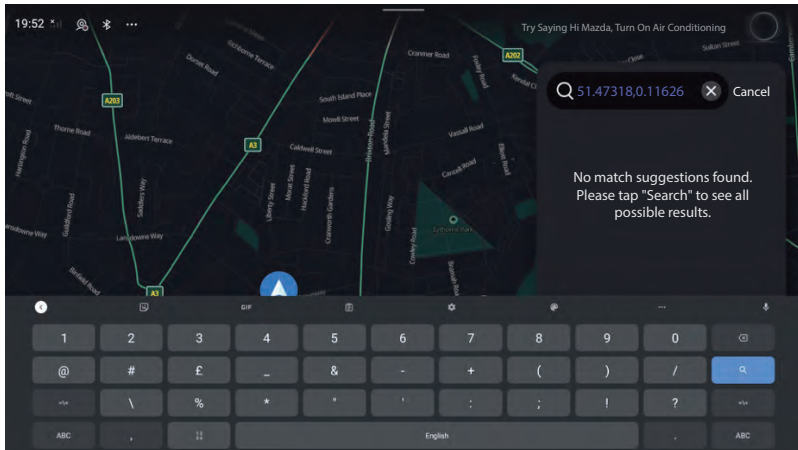


Searching from Recent Destinations

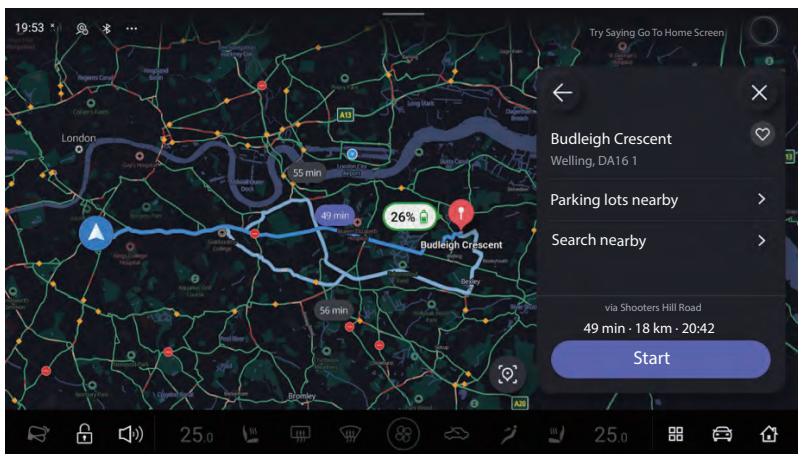
3.1.6 Entering Destination Coordinates

If you know the exact coordinates of the destination, you can directly enter the latitude and longitude to accurately locate the position you want to reach. This feature is particularly useful for users who are familiar with geographic coordinate systems or require precise navigation. Simply enter the destination's longitude and latitude into the search box, and the navigation will quickly locate and match according to the entered coordinates.

By entering the destination's coordinates, you can ensure that the navigation system pinpoints your destination. Especially when going to remote areas or specific geographical locations without clear addresses, this method is very effective.



Entering Coordinates



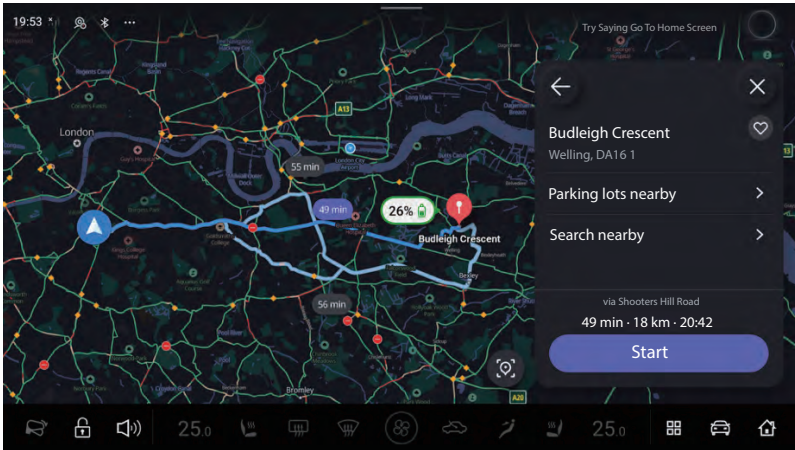
Coordinate Search Results

3.1.7 One-box Search

The One-box Search provides the same function as described in section 3.1.1.1 "Entering an address". It provides keyword association, POI list display, keyword autofill, automatic suggestions and one-button deletion of input contents and other convenient operations, aiming to simplify the search process and enhance driving safety.

3.2 Checking Route Parameters and Accessing Functions Related to Route

After selecting a destination, the system automatically recommends the best route based on your preferences. At the same time, the system provides up to 3 alternative routes, with each route showing the main roads passed, the estimated arrival time, and the total driving distance. When selecting a different route, the system will highlight the corresponding route and update the navigation preview, allowing you to intuitively see the specific direction of each route.



Route Selection

In addition, the system also offers a route comparison function, allowing you to easily compare the advantages and disadvantages of various routes, including key information such as road conditions, travel time, and distance, helping you make the choice that best suits your current needs. After selection is completed, the system will provide the detailed navigation guidance based on the chosen route.

3.3 Modifying Route

With the help of the navigation system, you can easily modify or adjust your current route to accommodate changes in your trip or to suit your personal preferences.

3.3.1 Selecting a New Destination While a Route is Active

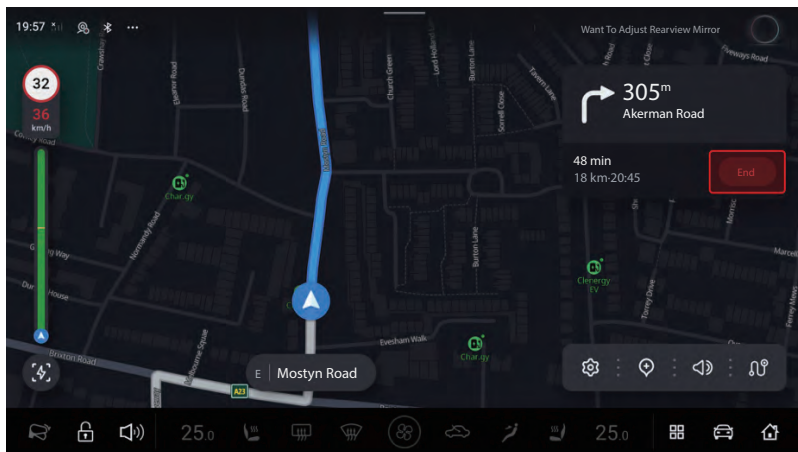
When you are already on a route in navigation and wish to select a new destination based on the guidance in section 3.1 Selecting Route Destination, the system will provide flexible options to accommodate your changes.

1. Add a waypoint: If a new destination is selected, the system will ask if you would like to add this location as a waypoint (intermediate destination) or directly set it as the final destination. After selecting "Add to Trip", the system will incorporate this new location into your route plan and intelligently adjust the route so that you pass through this newly added location on your way to the final destination.



Adding Waypoint

2. Change the destination: If you wish to replace the original destination, select the new destination and click "Set as Final Destination". Then the system will plan the route based on the new destination again. You can also exit the current navigation, then select a new destination according to the guidance in section "3.1 Selecting Route Destination" and start a new navigation route.

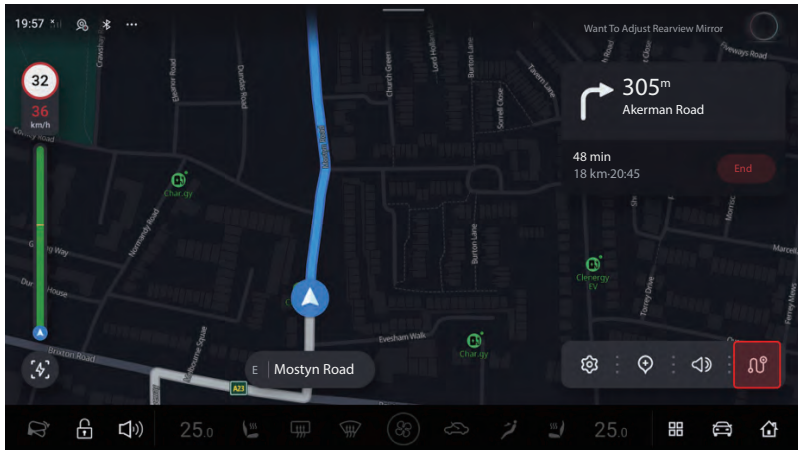


Exiting Navigation

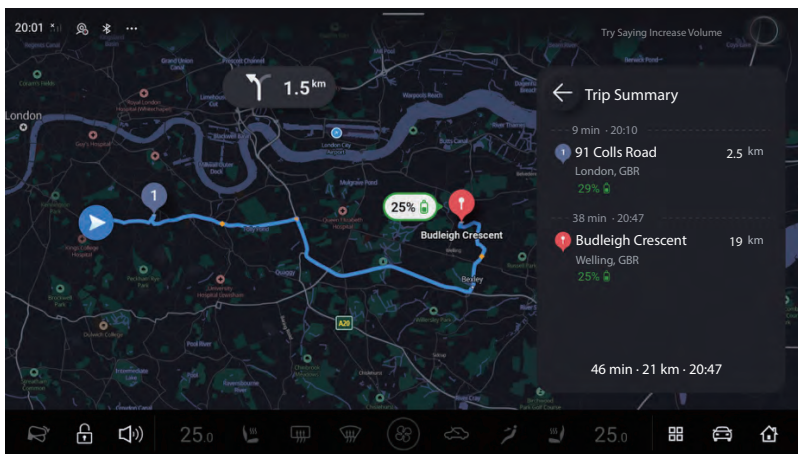
3.3.2 Editing Destination List (Editing Route)

The navigation system offers highly flexible route planning, allowing you to set up to 5 waypoints according to your needs. This makes it easy to plan a route with multiple stops.

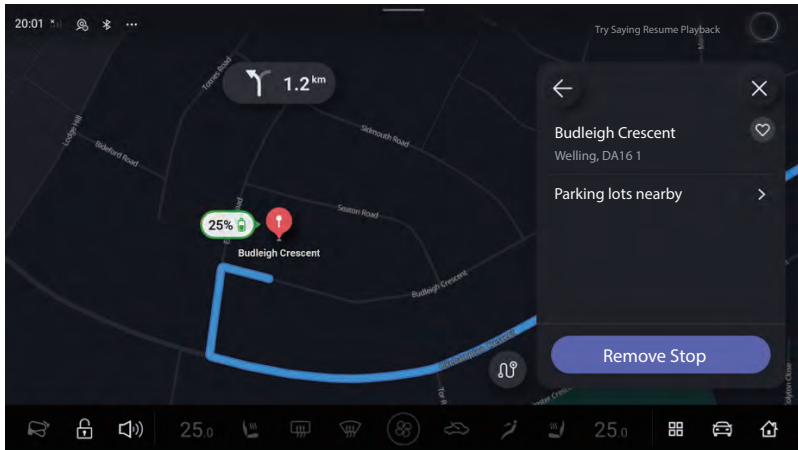
Edit the destination: During navigation, you can click "Route Overview" at any time to access the destination details screen. You can delete the waypoint that is not needed any more on this screen: Click the corresponding waypoint to enter details screen, then delete it from the route. This function provides you with the convenience of instantly modifying your route, making your trip more flexible.



Clicking to Enter Route Overview



Viewing Destination and Waypoints

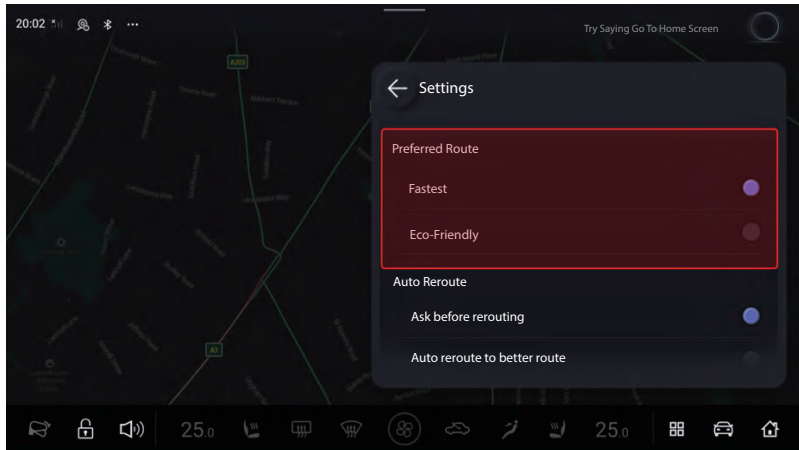


Removing Waypoints

3.3.3 Checking Route Alternatives When Planning Route

When planning your trip, the navigation system provides a variety of customised options to ensure that you can choose the most suitable route based on personal preferences and realtime traffic conditions.

1. Route preference setting: In the settings, you can preset routing principles according to personal preferences, choosing either the "fastest" or "most economical" route.



Preferred Route Settings

- Dynamic route planning: During navigation, the system continuously monitors traffic conditions in real time and dynamically adjusts route planning. This ensures you receive the latest journey information, helping you better manage travel time and reduce time-related stress. When the system recognizes the better route, it will proactively prompt you to confirm whether you want to update your route.



Better Route Available

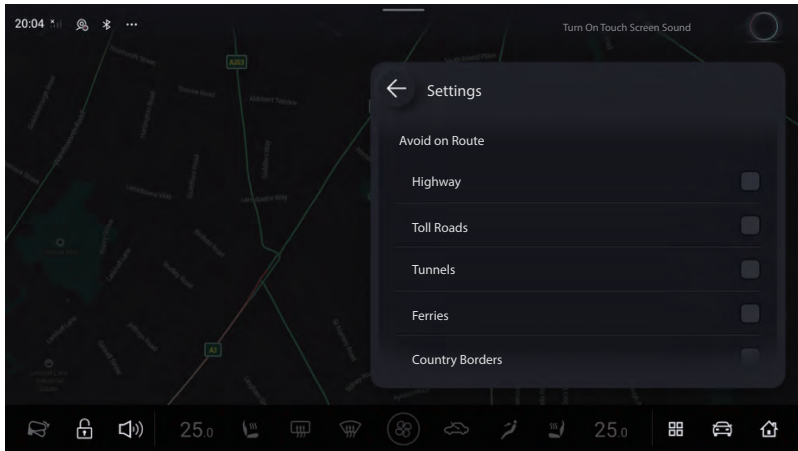
3. Route selection: You can choose different routes recommended at any time to suit your travel needs, following the guidance in the section "3.2 Checking Route Parameters and Accessing Functions Related to Route".

Through these integrated functions, the navigation system not only provides flexible route planning but also intelligently adjusts based on real-time traffic conditions and your personal preferences, ensuring that each of your trips reaches the destination smoothly and efficiently.

3.3.4 Changing Types of Roads Used in Route Planning

When planning a route, you can choose or avoid the specific types of roads based on your personal preferences or specific needs. This function is especially useful for users with special route requirements or those who wish to avoid certain road sections. Avoidance options include:

- Highways: If you wish to avoid highways, you can choose to exclude them in routes planned.
- Toll roads: Exclude sections that require a fee to minimize travel costs.
- Unpaved roads: Ensure that poorly maintained or unpaved roads are not included in the route to improve comfort of driving.
- Tunnels: If you want to avoid tunnels, the system will plan routes that bypass tunnels.
- High-Occupancy Vehicle (HOV) lanes: You can choose to avoid HOV lanes if your vehicle does not meet HOV lane requirements.
- Country borders: If you wish to avoid crossing country borders during international trips, you can set it as avoidance option.
- Ferries: If you wish to avoid a ferry, you can choose to exclude them in routes planned.

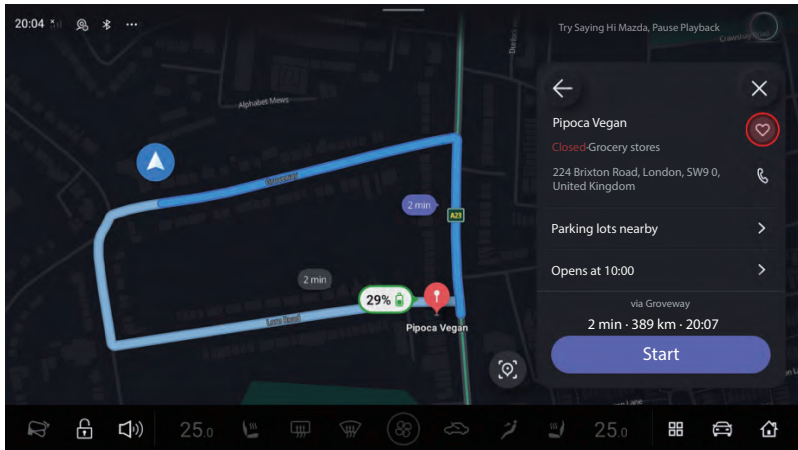


Avoidance Options Settings

3.4 Saving Location as Favorite Destination

The favorite function allows you to save frequently visited or important locations for quick navigation in the future.

When you select a point-of-interest (POI) and click to view details through the "3.1 Selecting Route Destination" section, the screen will provide a favorite button. Click this button to save the location to your favourites list for future use.

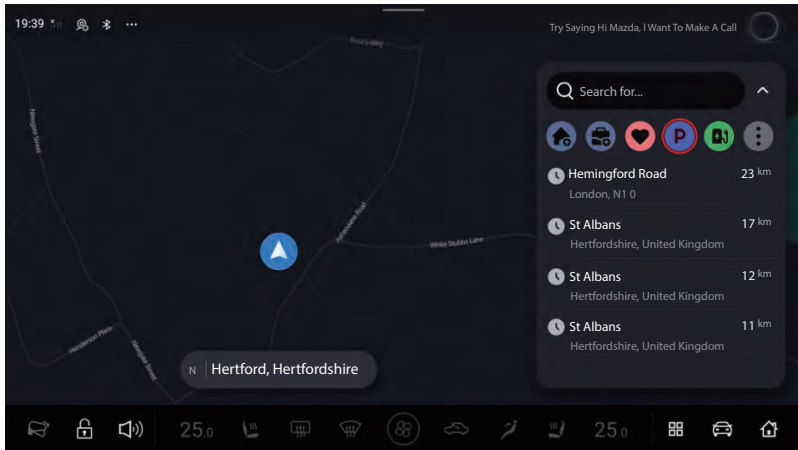


Adding POI to Favourites

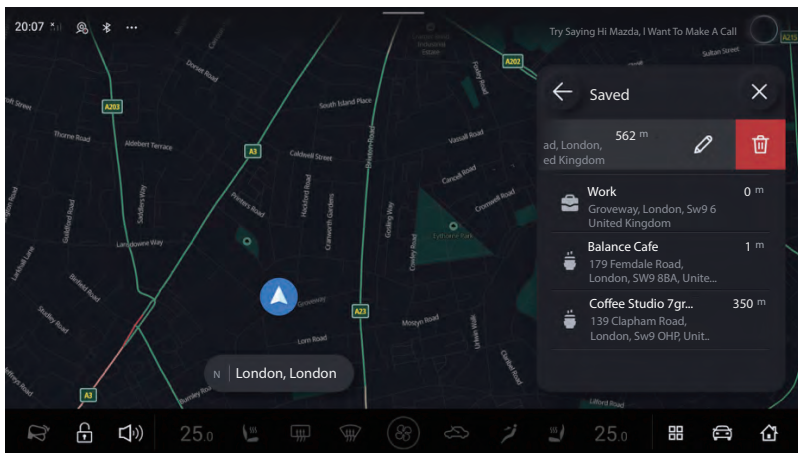
3.4.1 Editing Details for Favorite Destination

The favourites function in the navigation system allows you to efficiently manage your frequently used destinations. By clicking the favourites button, you can access the favourites screen where you can edit and manage your home, office, or any other favorite locations.

- Edit favorite locations: On the favourites screen, you can edit the locations you have saved, including changing the favorite address name.
- Delete from favourites: If it is not necessary to access a location any longer, you can also choose to delete it from your favourites to keep the list tidy.



Clicking Favourites Button



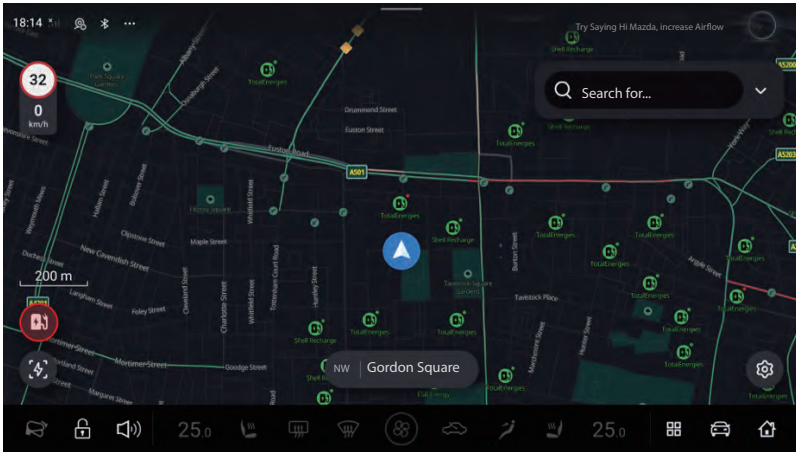
Deleting/Editing Favorite Locations

3.5 Searching for Charging Station

The navigation system provides a series of convenient functions to help electric vehicle drivers easily locate suitable charging stations.

3.5.1 Searching for Charging Station

To meet the needs of electric vehicle drivers, our navigation system provides a convenient "Quick Charging Station Search" function. In cruising mode, the main navigation screen will always display the "Search for Charging Station", allowing you to easily and quickly locate charging stations. In addition, you can use the popular categories in the expanded search box to search for charging stations by category.



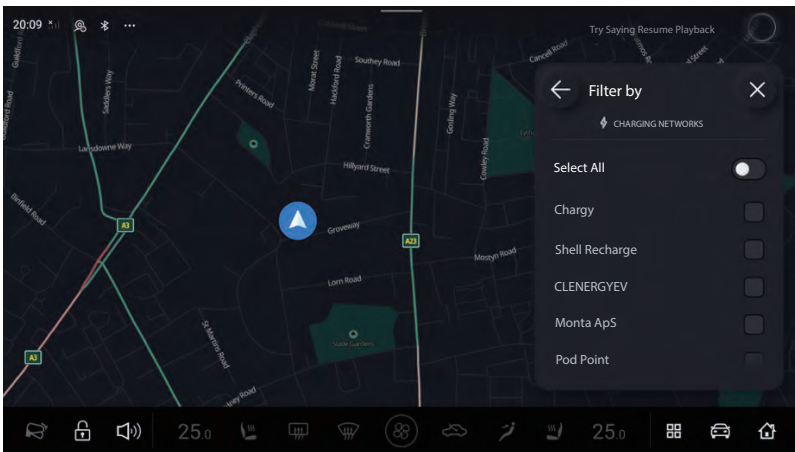
Quick Charging Station Search

3.5.2 Narrowing Down Search Results

When searching for charging stations, the navigation system provides several filtering options to help you quickly narrow down the results based on your personal preferences and find the charging stations that best meet your needs.

- **Sorting order:** You can sort the search results by distance or by compatibility of the charging station with your vehicle to quickly find the nearest or most suitable charging station.
- **Amenities:** When charging during a long-distance travel or in the city, you may want amenities such as restaurants, coffee shop, or shopping centres nearby the charging stations. By filtering, you can find charging stations that offer these amenities.

- **Charging networks/brands:** Based on your brand preference or specific charging network services (such as Allego, Eneco, EVBox, etc.), you can filter the results to display only stations operated by selected providers.
- **Charging rates:** Different charging stations may offer different charging rates. You can choose charging stations with different charging rates according to your needs.
- **Charging port type:** To ensure compatibility between the charging station and your electric vehicle, you can also filter based on the charging port type, such as CCS Combo2, Type2, etc.
- **Availability:** You can filter charging stations that are currently in operation or have available charging piles to ensure that the selected charging station can immediately provide service for your vehicle.



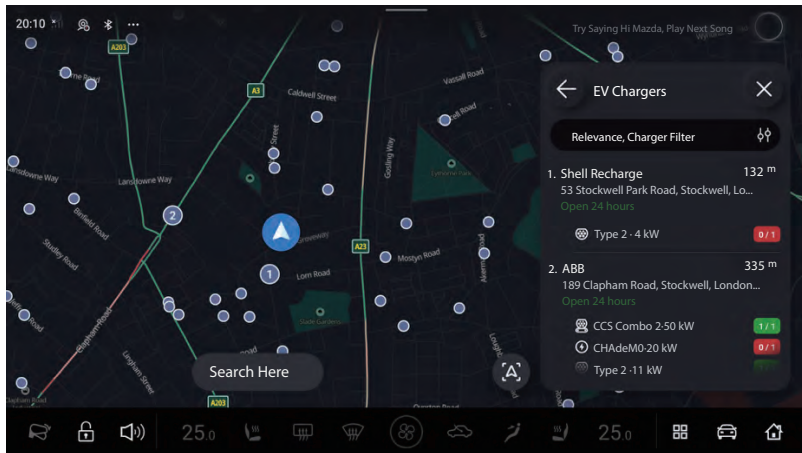
Filtering By Charging Station

3.5.3 Checking Detailed Information in the Search List

The charging station search function in the navigation system provides detailed charging station information, helping users make more informed charging decisions.

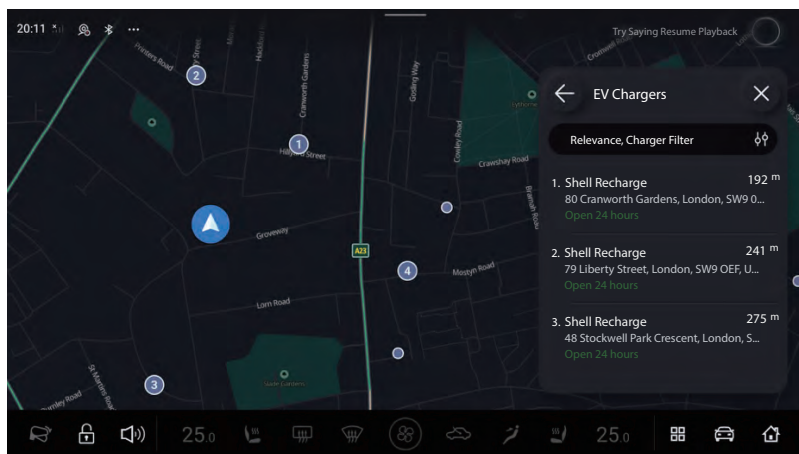
- **Dynamic Data Display:** When your device is connected to the internet and you have an active HERE data package, the navigation system displays real-time dynamic information provided by HERE. On the charging station details screen, you can view detailed information such as operating hours, total number of chargers, current available quantity, charging port type and charging rate. These data will be automatically updated

based on real-time feedback from HERE API, providing you with the latest usage information of charging stations. If charging stations are displayed on the map, the system will also indicate the availability of current chargers through colours: Green for sufficient available chargers; Orange for moderate availability; Red for limited availability. Through these dynamic information and visual prompts, you can more conveniently choose available charging stations and improve charging efficiency.



Dynamic Charging Station Search Results List

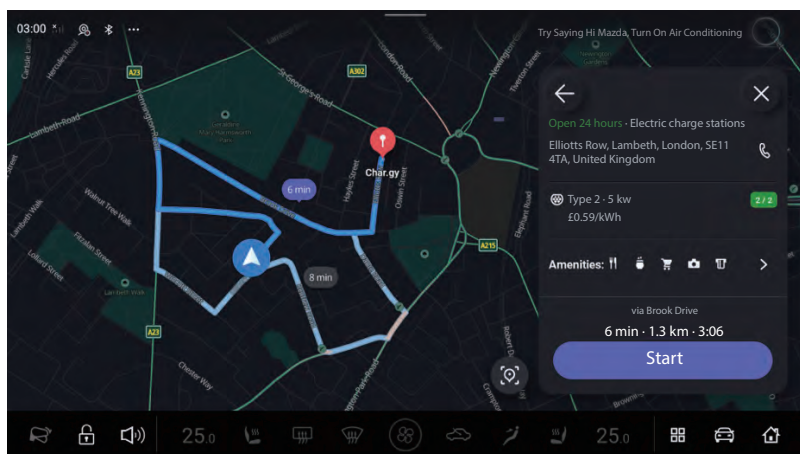
- **Static Data Display:** If you are offline or have not purchased the HERE data package, the system will display basic static data, including the names and address information of charging stations. Although this information is not as detailed as dynamic data, it can still help you find the location of charging stations.

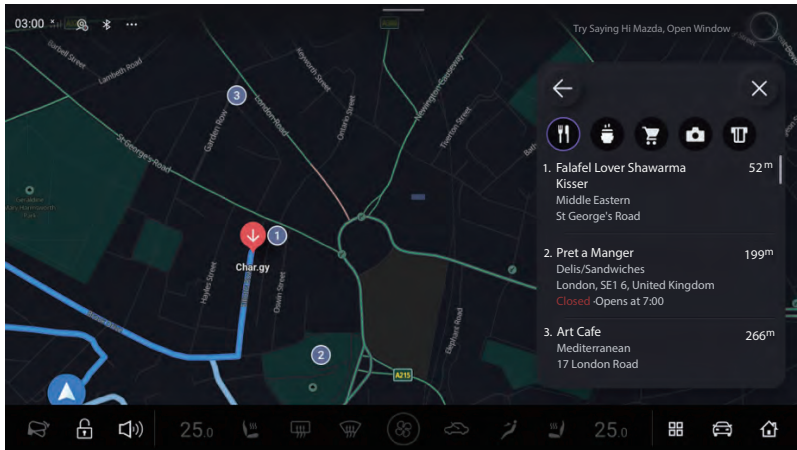


Static Charging Station Search Results List

3.5.4 Searching for Nearby Facilities Information for Use

When selecting a charging station, the navigation system allows you to filter for stations that offer nearby amenities such as restaurants, cafés or shopping centres. This feature is especially useful during long trips or urban charging, letting you enjoy additional services while waiting for your vehicle to charge. In addition, the nearby search function can also help you find the desired points of interest in the surrounding area.

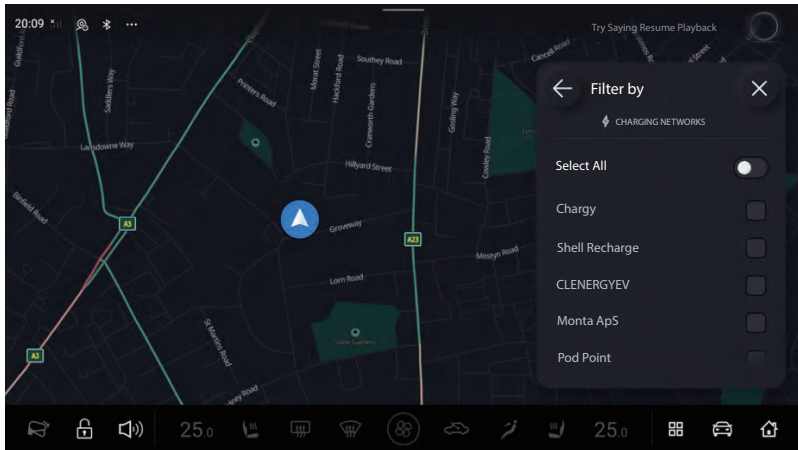




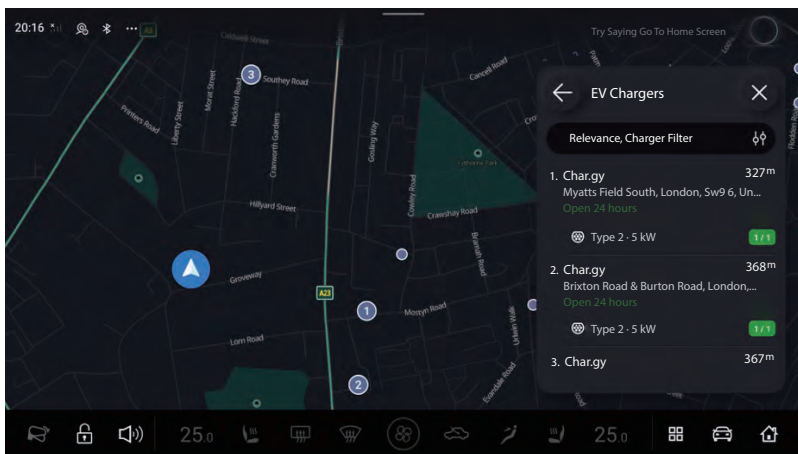
Charging Station Nearby Facilities Display

3.5.5 Search for Charging Stations by Charging Port Type or Networks

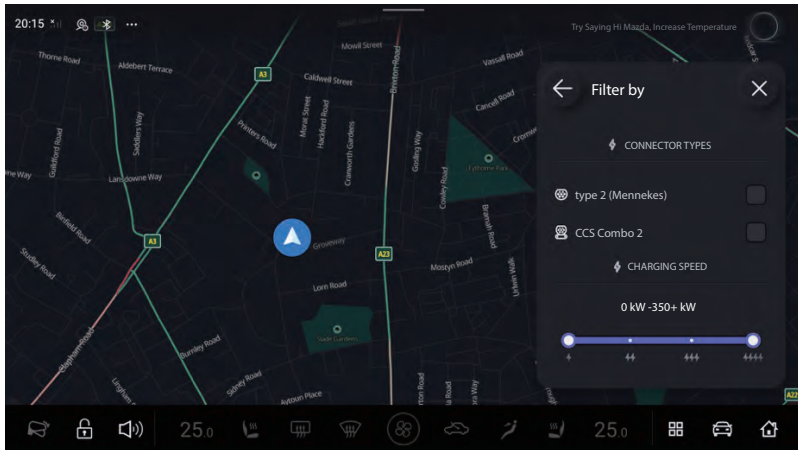
The navigation system allows you to filter charging stations based on the type of charging port or your preferred charging networks, enabling you to quickly locate compatible charging stations. This feature ensures that you can find charging points suitable for your vehicle, making the charging process easier and more convenient.



Filtering By Charging Networks



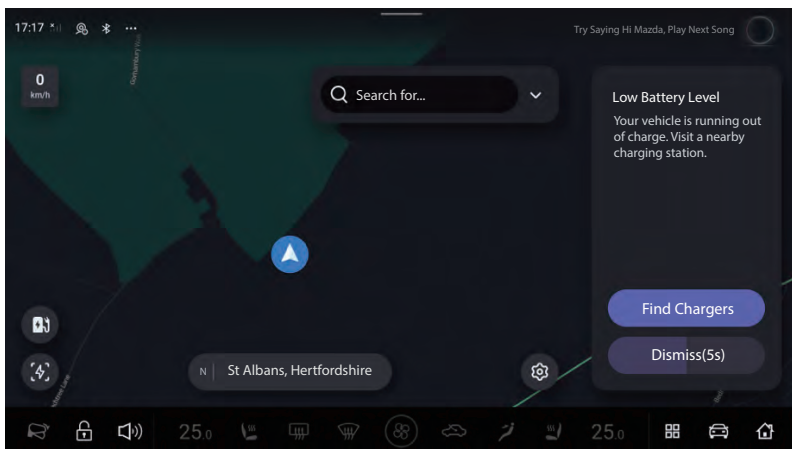
Filtering By Charging Port



Filtered Results

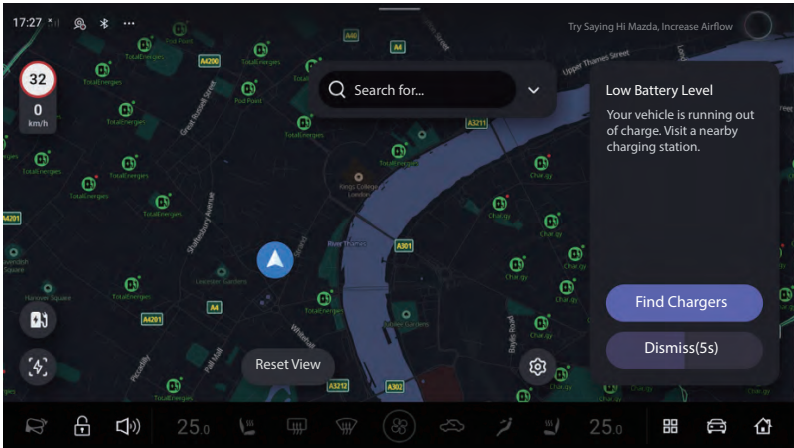
3.5.6 Charging Station Guide When Battery Is Low

When your vehicle's battery level is low, the navigation system will automatically issue a low battery warning and immediately recommend the nearest charging station to ensure that you can recharge in time.



Low Battery Level Alarm

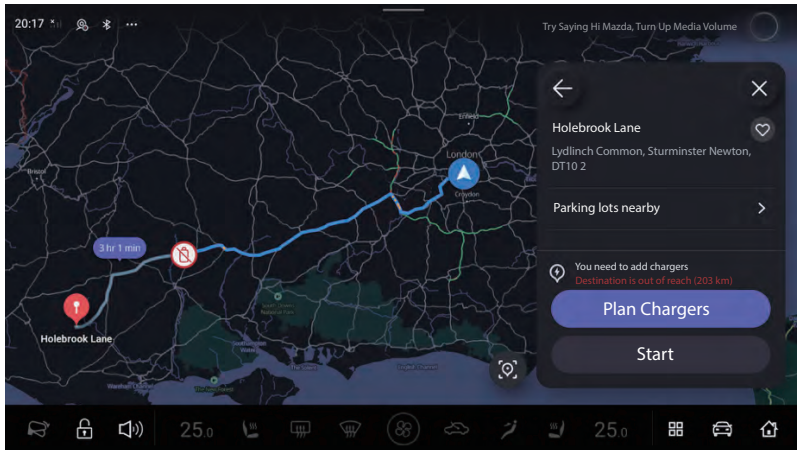
Additionally, when the vehicle is in a low battery state, nearby charging stations will automatically be displayed on the map, usually shown as a charging station icon. You can click to view the details of the charging station.



Low Battery Level Screen Display

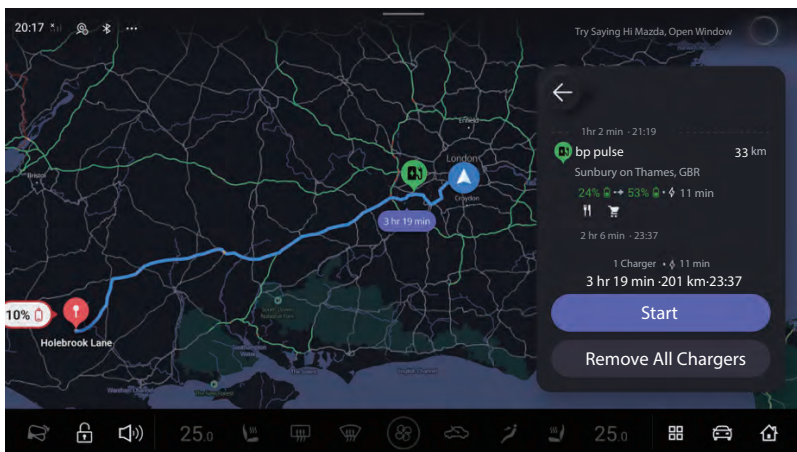
3.5.7 Intelligent Trip Planning

In the navigation settings, you can set the desired battery level when reaching your destination based on your personal level of range anxiety. When you search for a destination, the system automatically checks if the current battery level and your preference settings are sufficient to reach it. If the system detects that the current battery level is insufficient to reach the destination or would drop below your preferred target upon arrival, the system will automatically plan a charging route along the way based on the status of the "Automatically Add Charging Stations Along the Route" function, or prompt the user to confirm whether to generate a charging plan along the route.



Destination Reachability Check

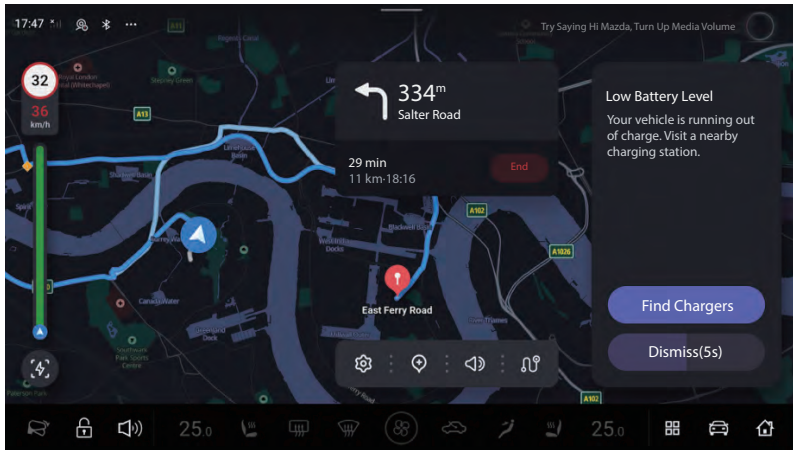
In the route overview, you can view detailed information such as the recommended number of charging stations, recommended charging rates, and estimated charging time to help you plan your charging time reasonably and ensure a worry free journey.



Details of Intelligent Trip Planning

In addition, if previously reachable destinations become unreachable due to driving habits or other factors, the navigation system will dynamically monitor along the way. If it is recognized that the remaining battery is insufficient

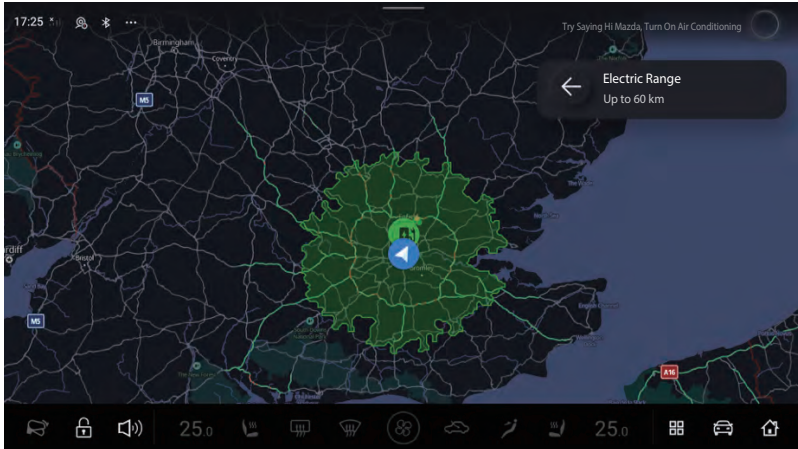
to reach the destination, the system will dynamically replan the route being navigated and prompt you whether to add charging stations along the way to ensure that you can complete the journey smoothly.



Reminder of Unreachable Destinations Along the Way

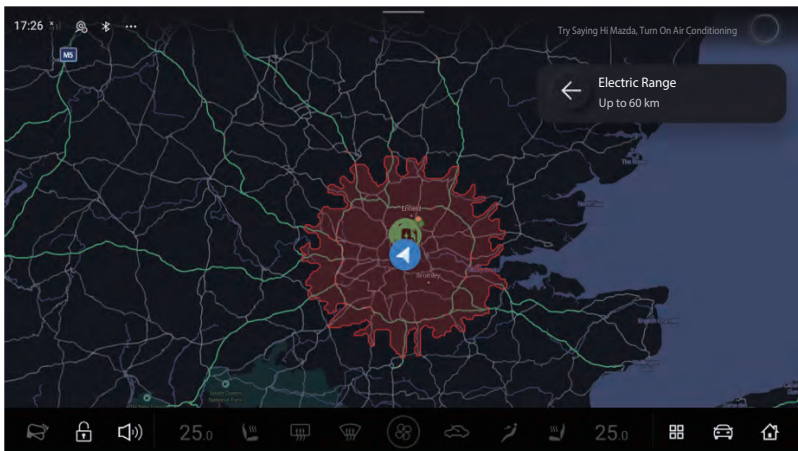
3.6 Maximum Driving Range Inspection

The navigation system offers a "Range on Map" feature that clearly shows the maximum distance your vehicle can travel with the current battery level. You can access the range prediction view from the navigation map screen to see the estimated area your vehicle can reach based on the current battery level.



The current maximum driving range is 60 km

Range Color Prompt: The system will display the estimated driving range based on your remaining battery level using different colours. When the remaining range equals 50 km, the entire drivable area will be displayed in green; when the remaining range is less than 50 km, the entire drivable area will be displayed in red.



The current maximum driving range is 40 km

4 Reference Guide

This guide provides comprehensive instructions for using the navigation system. It covers everything from basic operations to advanced features, ensuring you can fully utilize all the system's capabilities.

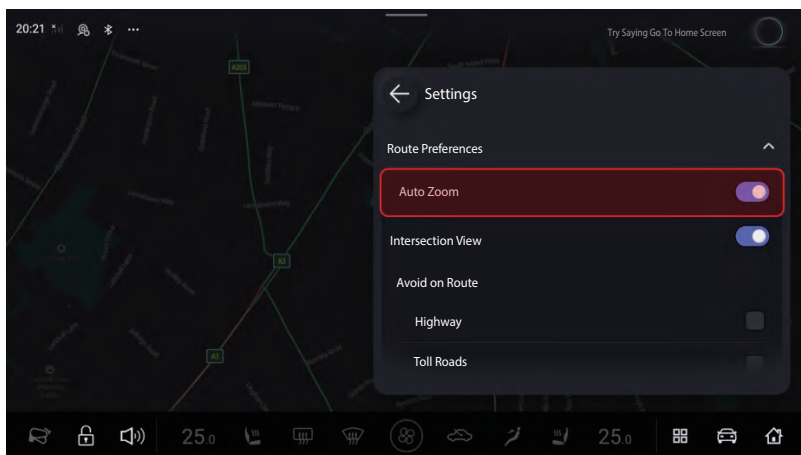
4.1 Overview

The navigation system is built on an advanced geographic information systems, integrating real-time traffic data and user preferences to deliver precise route planning and guidance. It is designed to offer an intuitive, easy-to-use, and highly responsive experience, helping you reach your destination safely and efficiently.

4.1.1 Auto Zoom

The Auto Zoom feature in the navigation system is designed to provide a smarter and more adaptive visual experience.

- **Smart Zoom In:** When your vehicle approaches a turn or encounters a complex intersection, the map automatically zooms in to give you a clearer view of the upcoming manoeuvre and driving instructions, helping you make more accurate decisions.
- **Smart Zoom Out:** If the next turn is a long distance away, the map view automatically zooms out to offer a wider perspective, allowing you to better understand the road ahead.
- **Custom Settings:** If you prefer manual control over the map zoom level, you can turn off the Auto Zoom feature. This allows you to adjust the map scale manually based on your personal preferences and driving needs.



Auto Zoom Settings

4.1.2 Route Calculation and Recalculation

The navigation system plans personalized routes based on your routing preferences, including the route calculation method and road types. During route calculation, the system considers historical traffic data to suggest the most efficient routes for specific days and times. Meanwhile, if real-time traffic information is available, current traffic conditions are also factored in to ensure your route remains accurate and up to date.

Additionally, the navigation system automatically recalculates your route if any of the following occurs: You deviate from the suggested route during your trip, or a new traffic event impacts the original route. This automatic recalculation ensures you quickly receive a new, optimized route whenever unexpected changes or traffic disruptions occur, helping you maintain a smooth and efficient journey.

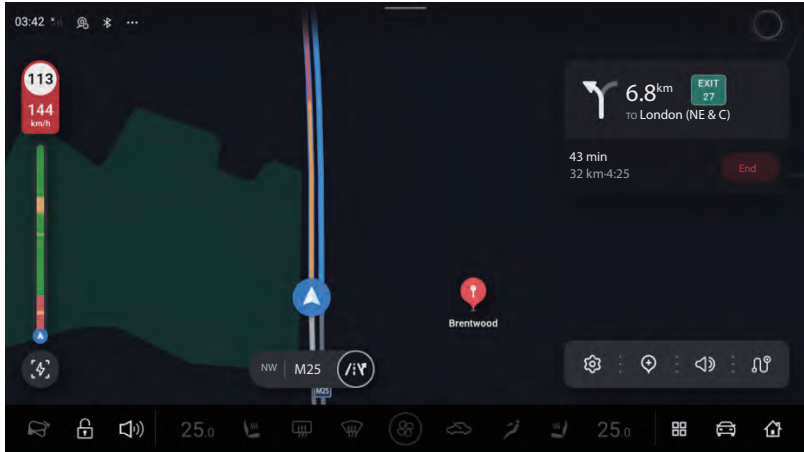


Better Route Available

4.1.3 Speed Limit Warning (Only Applicable in Some Countries and Regions)

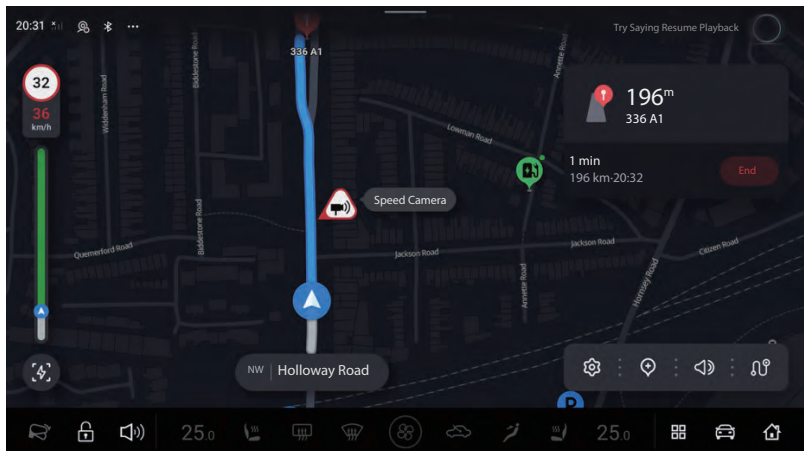
The navigation system provides a comprehensive speed limit warning feature to help you stay within legal speed limits and drive safely.

- **Speed Limit Alert:** During navigation, the system continuously displays your current speed alongside the road's speed limit. If you exceed the speed limit, the speed indicator will turn red as a clear visual warning.



Overspeed Alert

- **Traffic Alert Information:** The system provides detailed traffic alerts on the map, including speed limits, speed cameras, and road safety information, ensuring you can respond promptly while driving.



Traffic Information Tips

- **Voice Broadcast:** The navigation system also supports providing TBT navigation information through voice broadcast, including speed limit and speed camera alerts, allowing you to focus more on driving.

Please note that these features may only be available in specific countries and regions, depending on local laws, regulations, and data availability.

4.1.4 Traffic Information in Route Planning (Available in Selected Countries and Regions)

When planning a route, the navigation system uses a flexible route calculation feature that optimizes your journey based on the current date and time, combined with historical traffic data. The recommended route takes into account average speeds and traffic patterns for specific times and days of the week, helping to predict traffic conditions and customize the best route for you.

In addition, the system uses real-time traffic information to help you avoid current traffic incidents, such as temporary road closures or congestion caused by accidents, ensuring a smoother journey. To view this traffic information, simply turn on the "Traffic Display" switch on the map. In 2D map view, different road colours will indicate traffic density based on the current time, giving you a clear overview of road conditions at a glance. When "All" is selected, the system will display the traffic information of all roads, including both clear and congested sections; When "Slow Traffic" is selected, only congested sections will be displayed, and clear sections (green) will not be displayed.

Please note that the availability of these features may vary depending on the country or region.

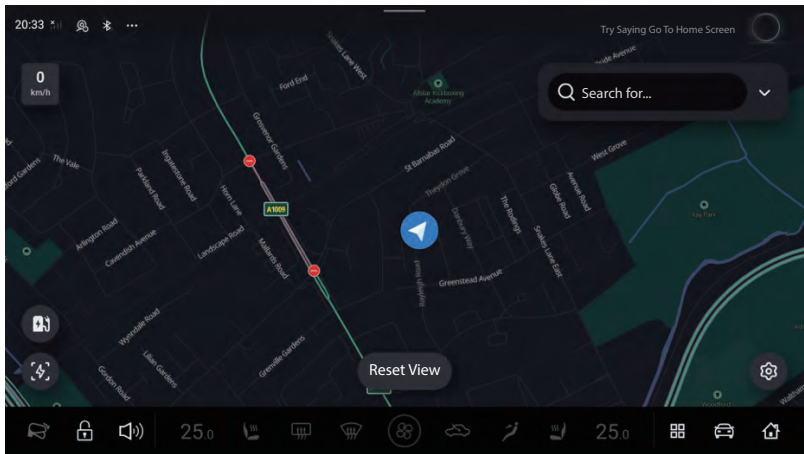
4.1.4.1 Historical Traffic Information

When planning a route, the navigation system incorporates historical traffic information into its algorithms. By analyzing historical traffic data for specific dates and times, the system can predict traffic conditions along your planned route. This predictive capability helps optimize routing by avoiding areas that are likely to experience congestion. In addition, the system continuously monitors real-time traffic conditions and dynamically adjusts the route based on the historical data, ensuring a smooth and efficient arrival at your destination.

4.1.4.2 Real-time Traffic Information (TMC)

The Traffic Message Channel (TMC) feature provides intuitive road condition information by marking affected road segments on the map with different colours and symbols. You can tap these symbols to view detailed information about the traffic events, including the type of incident and specific road details. Based on this information, the system dynamically adjusts your route

and automatically plans alternative paths to avoid congestion, ensuring you stay informed of the latest road conditions and make smarter driving decisions.



Traffic Information Feedback

4.1.4.3 Real-time Online Traffic Information

The real-time online traffic information service provides a convenient way to obtain the latest traffic conditions. This service allows you to view road segments currently experiencing traffic congestion on the map and stay informed about construction areas, lane closures, or other traffic events that may affect your journey.

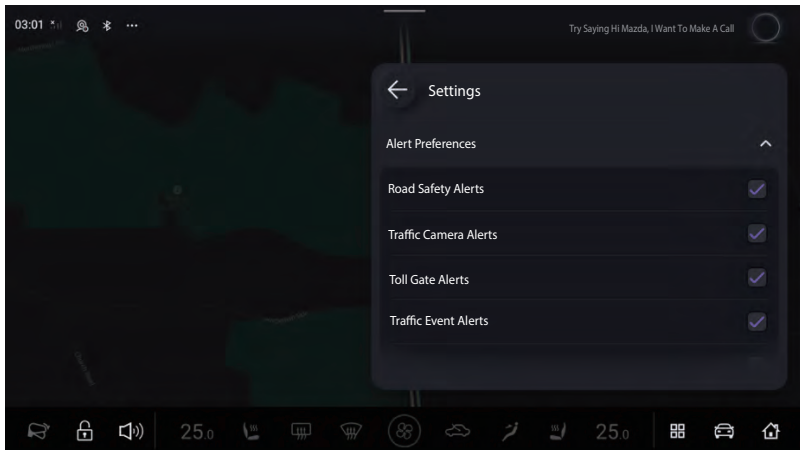
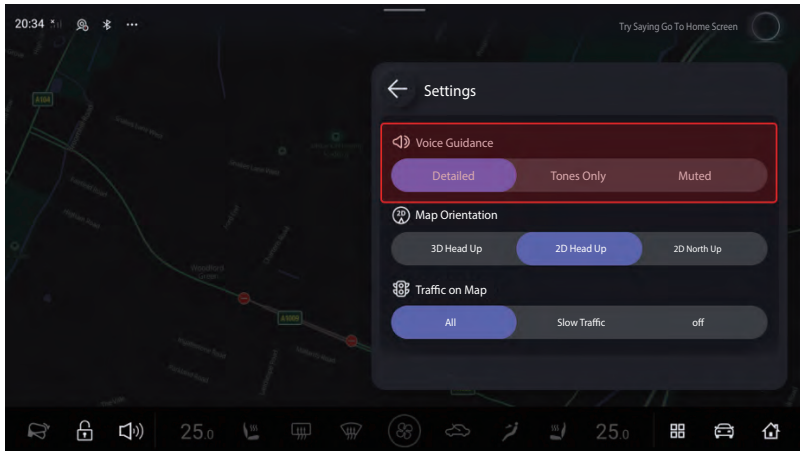
Through this service, the navigation system can update traffic information in real-time, helping you make timely driving decisions to avoid congested areas and choose smoother routes. Whether it's for daily commuting or long-distance travel, real-time online traffic information can provide you with valuable guidance to ensure your journey is as efficient as possible.

4.2 Settings

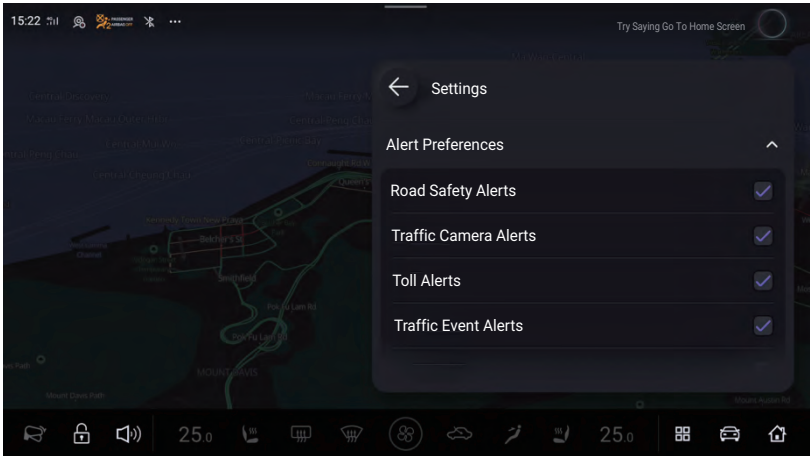
The navigation system offers a wide range of customization options, allowing you to adjust the navigation style to suit your personal preferences and needs.

4.2.1 Guidance Settings

- Voice Guidance: Allows you to switch between Detailed, Tones Only, and Muted.
- Alert Preferences: Allows you to choose the types of alerts you want to receive, such as Road Safety Alerts, Traffic Camera Alerts, Toll Gate Alerts, Traffic Event Alerts, etc.

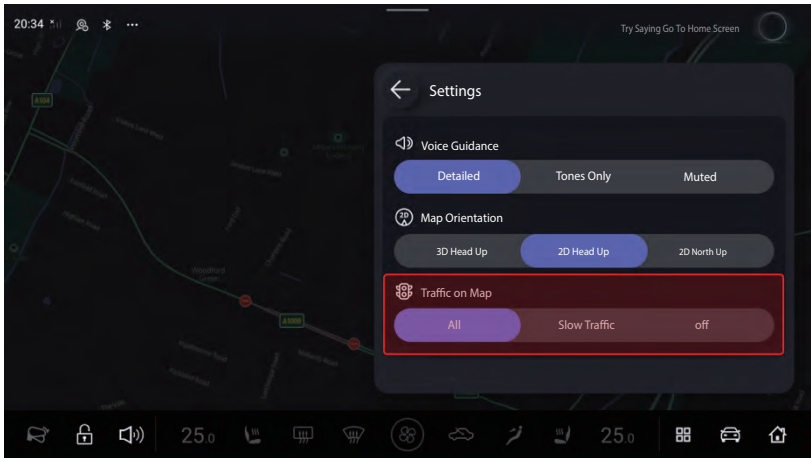


4.2.2 WarningSettings



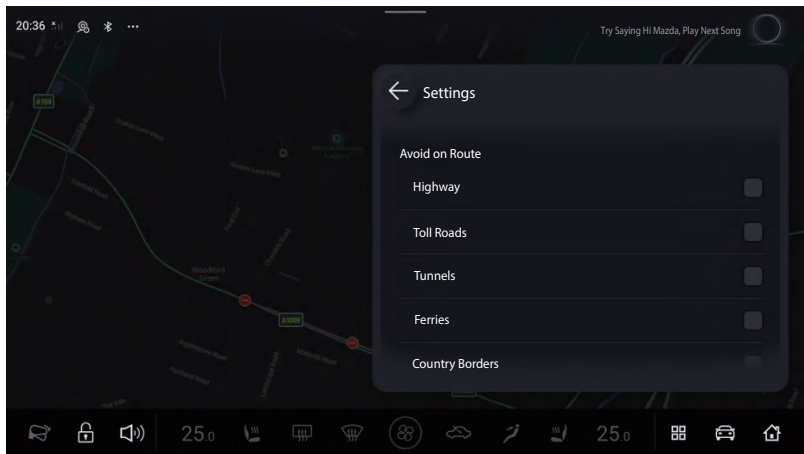
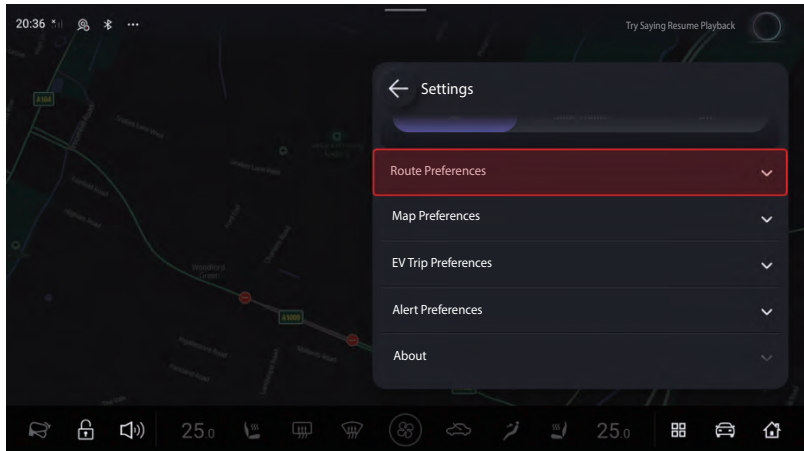
4.2.3 Traffic Settings

- Traffic on Map: Supports turning the real-time traffic condition display on or off or only displays congestion information.

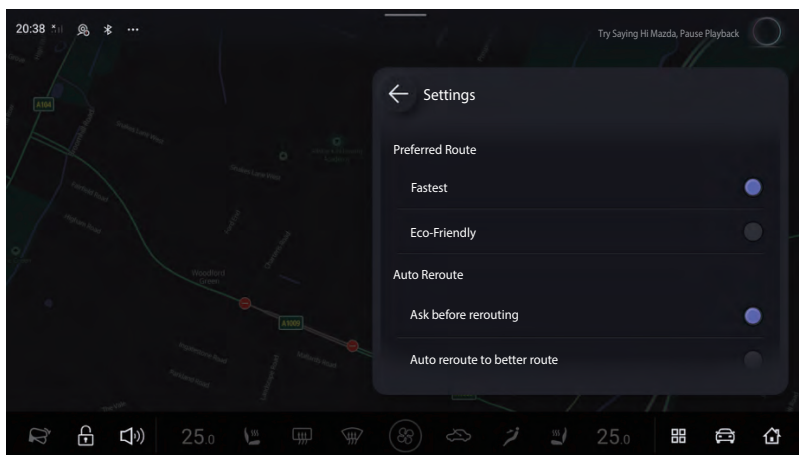
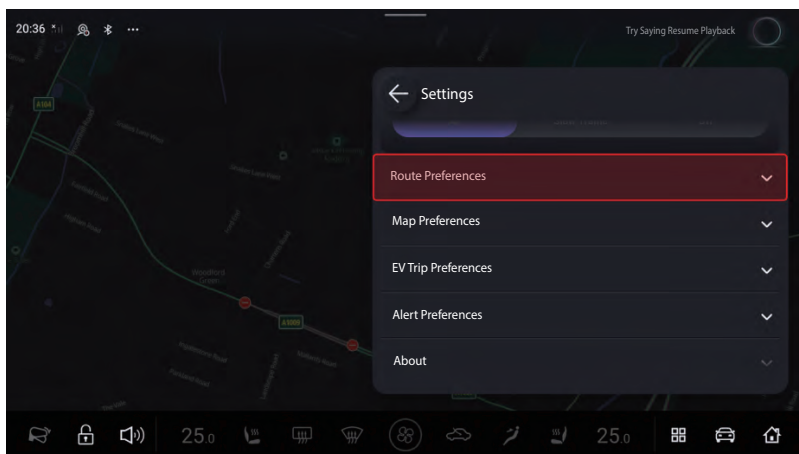


4.2.4 Route Settings

- Avoid on Route: Supports avoiding highways, toll roads, unpaved roads, tunnels, carpool lanes, country borders, and ferries.

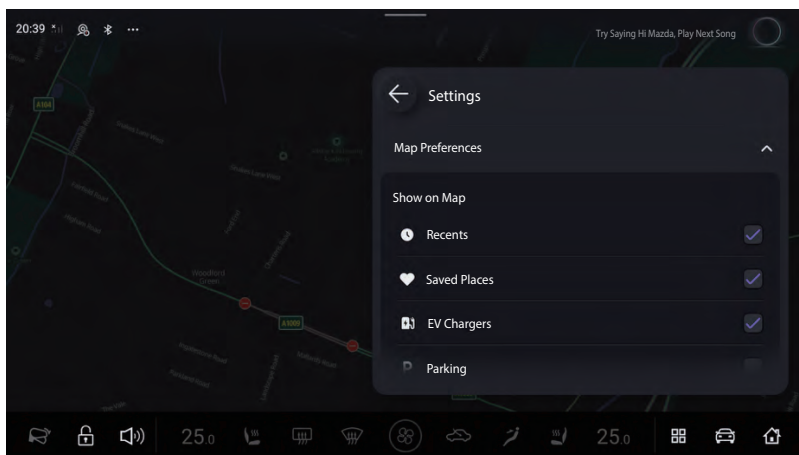
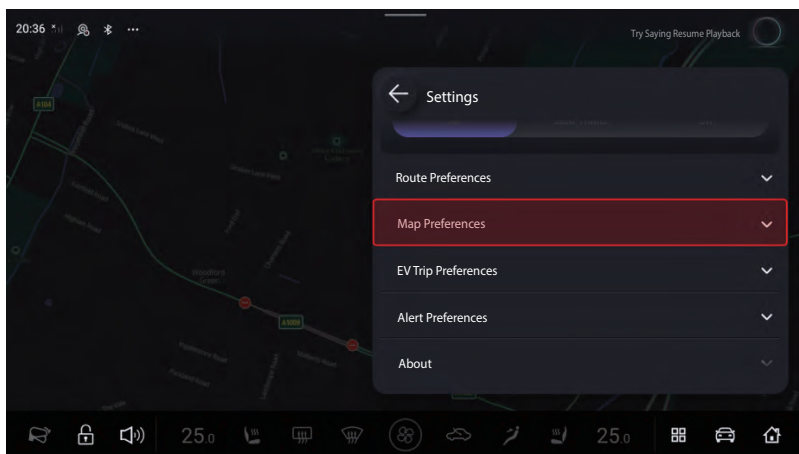


- Navigation preferences:
 - Whether to automatically enable Auto Zoom for automatic scale adjustment.
 - Whether to automatically enable Intersection View function.
 - Preferred Route: Fastest/Eco-friendly.
 - When encountering congestion, should the route be automatically changed or should user consent be obtained first before changing?



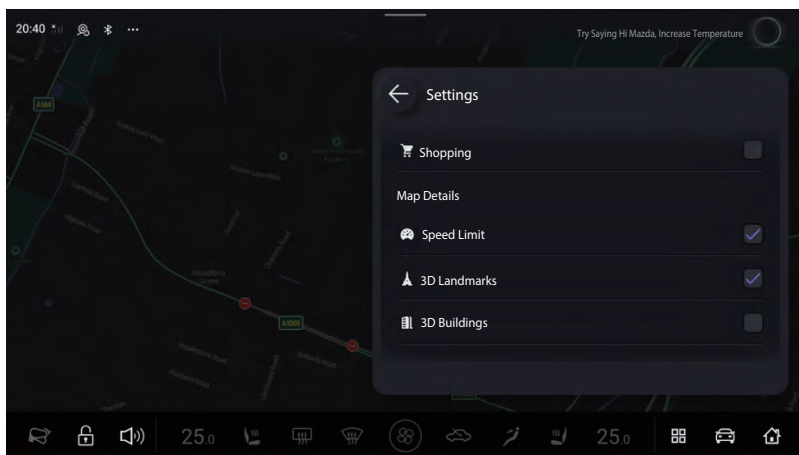
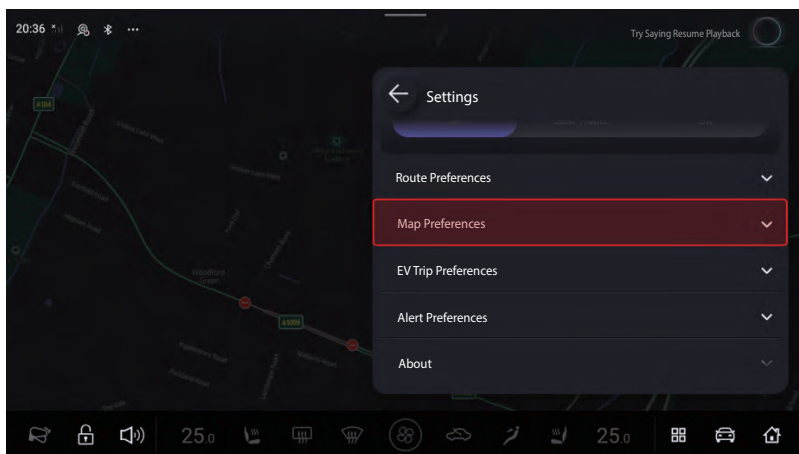
4.2.5 Map Settings

- Show on Map: Supports users in selecting common POI categories on the map screen, such as Recents, Saved Places, EV Chargers, Parking, Restaurants, Coffee, Shopping.



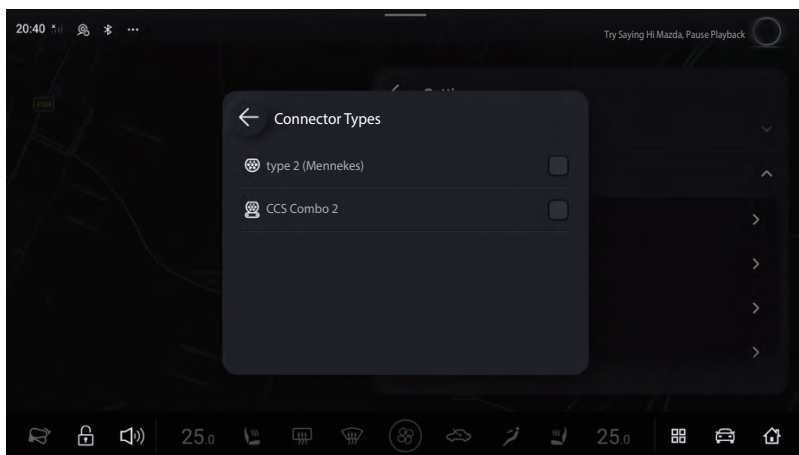
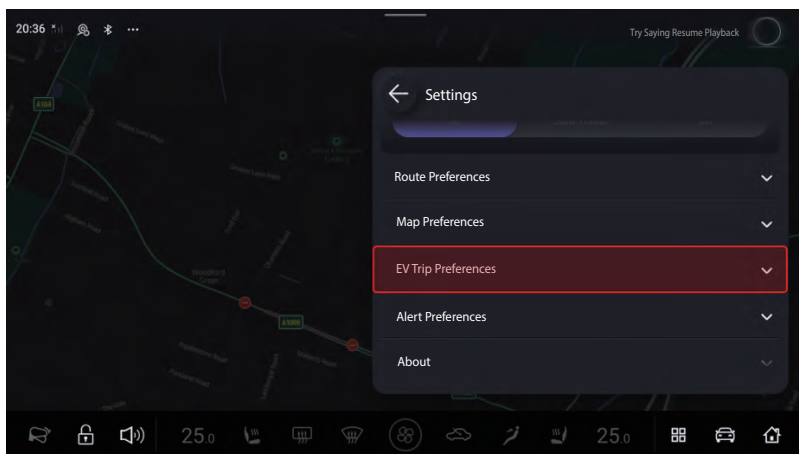
4.2.6 Visual Guidance Settings

- Map View Modes: Support 2D North Up, 2D Head Up and 3D Head Up modes.
- Map Preferences:
 - Display switches that support 3D effects, such as 3D landmarks, 3D buildings.
 - You can also choose whether to display speed limit information on the map.

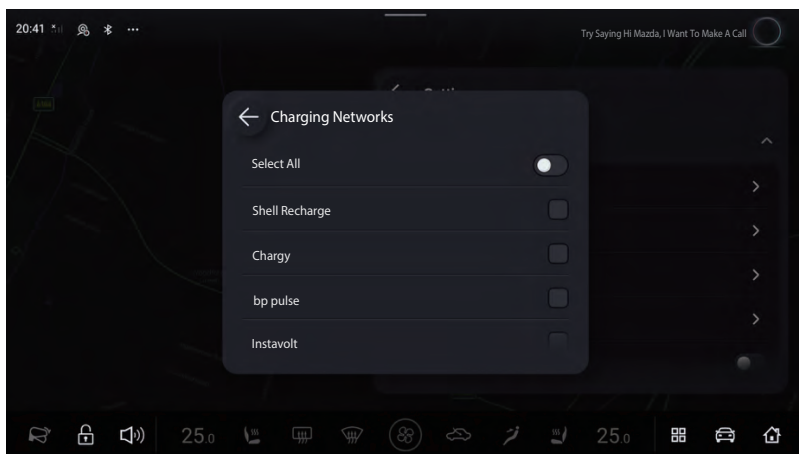


4.2.7 EV Trip Preference Settings

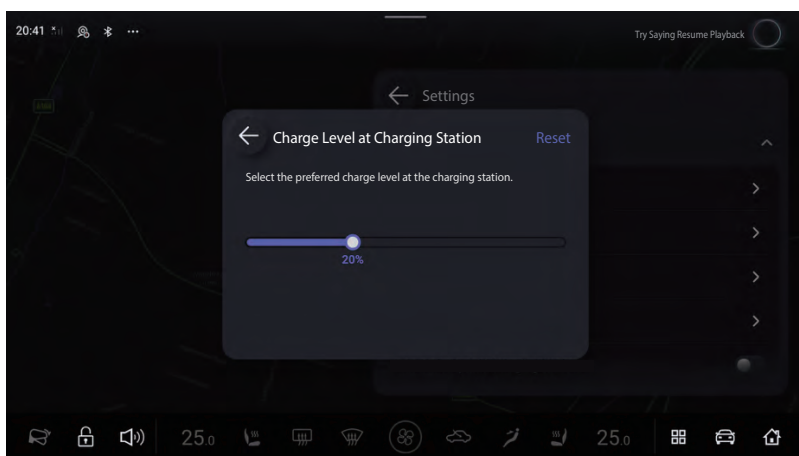
- **Connector Types:** You can select and match from various charging connector types compatible with vehicle model, such as CCS Combo2 and Type2.



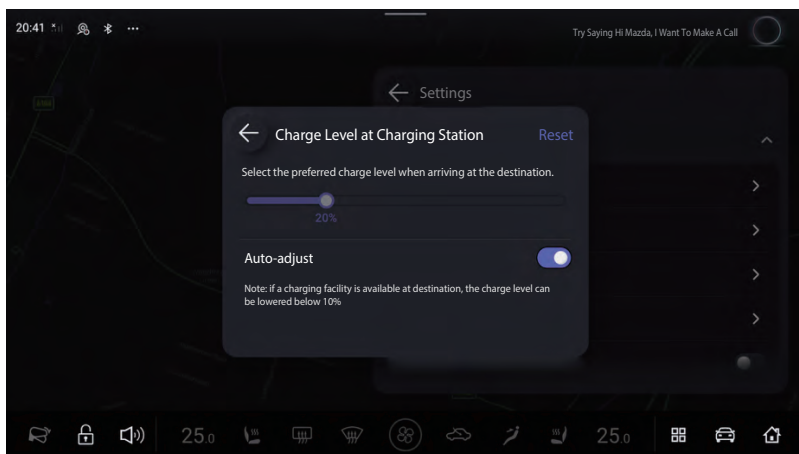
- Charging Networks: Support for choosing from numerous charging providers, such as Allego, Eneco, EVBox, etc.



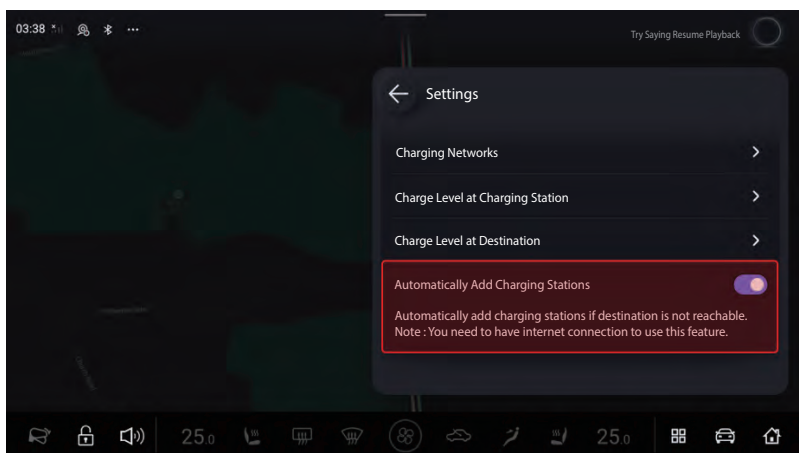
- Charge Level at Charging Station: Select the preferred charging level at charging station.



- Charge Level at Destination: Select the preferred charge level when arriving at the destination. Auto-adjust: When the switch is turned on, the navigation system will plan based on the best route rather than exactly following the remaining power value you have set, to ensure a safer and more efficient journey.

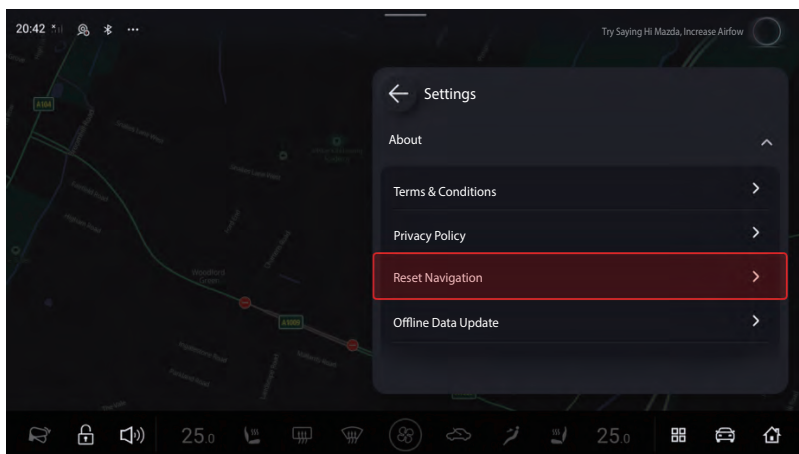


- **Automatically Add Charging Stations:** When the switch is turned on, if destination is not reachable with the current power, the system will automatically plan the route including charging stations along the way. You do not need to perform multiple confirmation steps. Note: You need to have Internet connection to use this feature.



4.2.8 Other Settings

- **Reset Navigation:** Click to restore navigation to factory settings with one click.

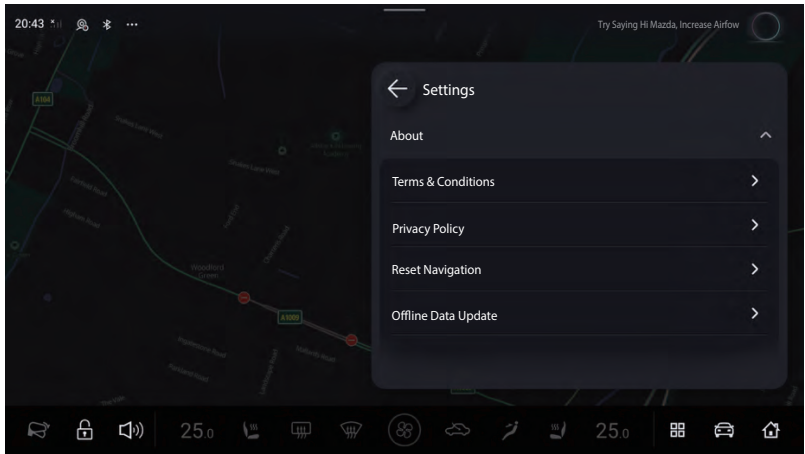
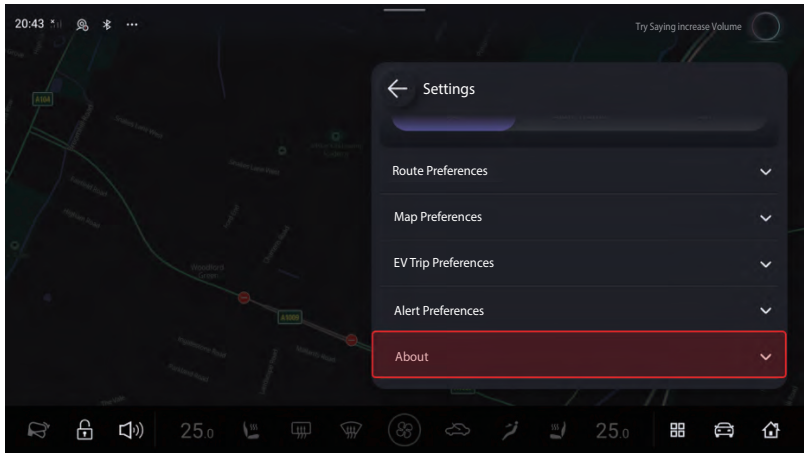


- About:

- Terms and Conditions: Support viewing the agreement content and withdrawal of authorization.
- Privacy Policy: Support reading the agreement content and withdrawal of authorization.
- Reset Navigation: Click to restore navigation to factory settings with one click.
- Offline Data Update: The system can detect whether the cloud map of the frequently active areas has the latest data. The data of the corresponding area can be downloaded for offline use. It is recommended to perform the operation when connecting to Wi-Fi.
- Navigation Version: The currently installed version of the navigation application.
- Offline Map Data Version: The offline map version information is pre-loaded in the head unit.
- Current Map Data Version: When connected to the Internet, the system automatically prioritizes obtaining and using the latest map data from the cloud; When there is no network, the onboard offline map data is used.
- Connected Services Expiration.

All connected services, including real-time map updates, real-time traffic information, real-time charging station and parking lot

information, are provided during the service period. For navigation online services outside the service period, please consult an authorized Mazda service station.



5 Glossary

5.1 Glossary of Map View

Main Map (Map View)

The main map display showing the road network, POIs, parks, green spaces, bodies of water, and buildings.

POI (Point-of-Interest)

A point-of-interest (POI) in navigation can be an entity located at a geographical position, such as a house, a shop, a charging station. In Telenav Navigation, for different categories of POI, it also offers aggregate search capabilities. You can search for a specific POI category to find a destination, such as searching for "coffee shop".

2D Mode (2D Head Up & 2D North Up)

In 2D mode, the map is displayed as a flat, two-dimensional view (pitch angle = 0). The Telenav Navigation supports 2D Head Up & 2D North Up. In which:

- 2D North Up: In 2D mode, the map is always oriented with North at the top, while the vehicle head direction can change.
- 2D Head Up: In 2D mode, the vehicle head always points upward, and the map does not fix north at the top and south at the bottom.

3D Mode (3D Head Up)

In 3D mode, the map is tilted (pitch angle > 0) to show a three-dimensional view, including buildings with 3D structures. Telenav Navigation supports 3D Head Up:

In 3D mode, the vehicle head always points upward. The function is same as 2D Head Up, but change from a 2D to 3D perspective.

CVP Vehicle Icon (Current Vehicle Position)

Vehicle icon, indicating the current vehicle position.

Recenter

Recenter the map view according to the current vehicle location, and restore the default map view center.

3D Building

Non-landmark buildings are only 3D modelled based on their shape and height, without actual texture rendering.

Real-time Traffic (Traffic Flow)

The display of congestion levels on a map is usually marked by red/yellow/green lines that rely on the road network. User can use switch in the setting to display traffic conditions.

Traffic Event

The traffic event information obtained from real-time traffic data is marked on the map, such as road closures ahead.

Ferry Line

Ferry routes are displayed as dashed lines across bodies of water on the map.

Current Road Label

The main map displays the current road name to help users understand the name of the road segment they are on and the speed limit information.

CVP Heading

It indicates the direction the vehicle is currently heading, displayed next to the current road name on the map.

5.2 Glossary Search

One-Box Search

Users can enter search keywords in the input box, and based on the input information, automatic suggestions will be provided. With a powerful search list, users can easily find their destination through a single search box, no matter where they are.

Category Search

Enables users to quickly find results that match the target category by selecting from commonly used POI categories after clicking the search box.

Nearby Search

Search for point-of-interest near a specified point-of-interest. For example, find the KFC next to Houston Airport.

Along Route Search

Telenav provides powerful along route search capability. While navigating, you can search for waypoints along your route by clicking the search button and using either One-Box Search or Category Search. Three search options are available: Along Route: Results located near your planned route; Near-by: Results near your vehicle's current location; Near Destination: Results near your destination.

Recent Search

Quickly access recently searched destinations by clicking the history list on the search panel for subsequent route planning and guidance.

Favourites Search

Quickly access user's favorite addresses by clicking the favorite on the search panel for subsequent route planning and guidance.

RGC Search

After panning the map, users can long-press a location to perform a search based on its latitude and longitude. The system retrieves reverse geocoding information, such as province, city, district names, city codes, and nearby POIs. Users can view this information and choose whether to start route planning and navigation from that point.

VR Search

The navigation system supports integration with a voice assistant, allowing users to perform voice search through interaction with the assistant.

5.3 Positioning Glossary

GNSS

Global Navigation Satellite System is a space-based radio navigation positioning system. It can provide users with 3D coordinates, velocity, and time information at any location on the Earth's surface or in near-Earth space, available around the clock. Well-known systems include GPS (USA), BeiDou (China), Galileo (EU), and others. A standalone GPS offers the advantage of low cost and mature technology, making it suitable for most application scenarios. However, its drawbacks include susceptibility to signal interference and lower positioning accuracy. It also struggles to provide location information in environments such as tunnels or underground car parks. As a result, standalone GPS is less commonly used in road tests.

GPS Drift

GPS Drift refers to the condition where the GPS-calculated position deviates significantly from the actual position, causing continuous offset route track that maintains a certain offset from the real route while in motion.

DR (Dead Reckoning)

DR means Dead Reckoning. In on-board navigation, Dead Reckoning calculates the position after a period of time by measuring the moving distance and orientation using the previously determined position. Dead Reckoning is affected by accumulated errors, which means that over time, the calculated position error will become larger and larger, and GNSS positioning corrections are required. Telenav's DR positioning engine uses a tightly coupled method, integrating inputs from the vehicle odometer, gyroscope, and accelerometer to achieve DR positioning. This position is then integrated with the map for map matching and feedback, ultimately providing high-frequency, low-error positioning output.

MM (Map Matching)

Map Matching is based on the assumption that a vehicle should be traveling on a road. Since raw GPS signals typically do not perfectly match the road network, it is necessary to select the road segment or path segment that best matches the signals and display the vehicle icon on it, this process is referred as map matching. Map Matching has two input sources: signals and road data. The output of Map Matching is location information, including latitude, longitude, heading angle and speed, etc.

5.4 Glossary of Navigation

Route Planning

A technology that determines a travel route based on the traveler's departure point and destination, using navigation electronic maps, road traffic information, and specific rules and algorithms. The Telenav defaults to suggesting the fastest route but allows users to choose alternatives.

Route Guidance

The process of providing turn-by-turn instructions via voice prompts, graphics, or text during navigation.

Active Guidance

AGV indicates the vehicle is in navigation mode. In this mode, the system plans a route and guides the vehicle toward a specified destination. The navigation system requires a route input that includes a starting point.

Inactive Guidance

IGV indicates that the vehicle is in cruise mode. Cruise mode is a road-network matching feature on the main screen that does not require a specific destination. The data input for cruise mode is the road-network, meaning that all roads in the data are visible to the cruise mode.

Deviation

Deviation refers to the behavior of the vehicle deviating from the currently planned route. For positioning, it means that the signal gradually moves away from the current path, and only when certain preset conditions are met (to prevent false deviation caused by signal drift), it is confirmed as a Deviation.

Resume Trip

Resume Trip refers to the mechanism that prompts whether to continue with the previous navigation when the map is reopened after an abnormal exit (such as a map restart or power failure) during the navigation process. The destination of navigation is the same as the previous navigation's destination, and the starting point is the current location. After clicking "Confirm", the system immediately enters navigation mode. After canceling, the navigation is terminated (the same as the navigation exit function).

Routing Update

Recalculation refers to the process where, after meeting general deviation conditions, the positioning system will notify the guidance (or TBT) module to replan the route, with the starting point being the latest position of the actual vehicle, in order to meet the user's actual positioning needs.

Dynamic Routing Guidance

During navigation, any better route discovered through road exploration ahead that affects the user and is noticed by the user is considered dynamic navigation. If the impact is significant, the system will ask the user or enforce the route change; if the impact is minor or the route cannot be changed, only a prompt is displayed.

Auto Zoom

Automatically adjusts the map zoom level during navigation to fit the screen and maximize the display of useful information.

TTS Broadcasting

Abbreviation for Text To Speech, which is part of human-machine interaction, enabling the machine to speak. Using speech synthesis technology, the instructions issued by the TBT during navigation are conveyed to the user via TTS broadcasting. For example: "Turn left in xx meters ahead".

Speed Limit Reminder / Average Speed Camera Zones

Average speed camera zones sets up two consecutive camera points on the same road segment. The principle is to calculate the vehicle's average speed across a segment based on the time it takes to pass the front and rear camera points. The system then determines whether the vehicle is speeding according to the speed limit for that segment.

ETA (Estimated Time of Arrival) / ETE (Estimated Time Enroute)

Estimated time of arrival / estimated time remaining

Traffic Bar

The traffic bar can display the road conditions ahead in navigation using colours, moving forward as the vehicle moves toward the destination. The design is simple and clear, allowing users to easily understand the traffic situation at a glance.

Junction View

Primarily appears in complex bridge and elevated road scenarios. Modeled based on real scenes. Requires offline data. Currently, in overseas map data, junction view data is only provided for highway interchanges.

Lane Lines

The lane markings indicating the guiding direction are referred as lane lines. Highlighted lanes indicate recommended driving lanes. Dimmed lines indicate restricted or non-recommended lane for the upcoming route choice.

Proximity Action

When the distance between two navigation actions is short, TBT will create a proximity action announcement in this scenario to remind the user of the upcoming two consecutive actions.

Main Route

The currently active route followed during navigation, usually displayed in bright blue and styled as an earthworm line.

Road Signs

Displays information such as highway signs (e.g., E4) during navigation.

5.5 Other Glossaries

Multi-Screen Widgets

Small widgets make it convenient to view map-related information on the launcher page.

Multi-Screen Instrument Cluster

Generally refers to displaying maps, guidance, and other related information on the instrument cluster screen.

Multi-Screen HUD

Generally refers to displaying TBT guidance and other related information on the HUD.

6 End-User Terms

6 End-User Terms

You can view the latest version of the end-user terms and privacy policy through the following link:

- End User Terms: <https://www.telenav.com/legal/tg2-eula>
- Privacy Policy: <https://www.telenav.com/legal/tg2-pp>

To facilitate understanding, we have provided translations in multiple languages. However, in the event of any inconsistency or conflict between the translated version and the English version, the English version shall prevail and serve as the final authority for interpretation.

