

# Navigation

## THE NAVIGATION SYSTEM

Navigation instruction is by map and turn information displayed on the Touch screen and in the Instrument panel, and can be complemented by Voice guidance. The system uses signals from Global Positioning System (GPS) satellites, combined with information from vehicle sensors and from data stored on the hard drive, to establish the vehicle's position.

Using this combination of data sources, the vehicle's navigation computer enables you to plan and follow a route map to your desired destination.

The Touch screen is used to control navigation via menus and map displays. The vehicle's Instrument panel can be set up to show navigation instructions and maps.

 **Operate the system only when it is safe to do so.**

**Note:** The speed camera alert feature is not available in certain markets.

**Note:** The speed camera alert feature can be enabled/disabled in Settings, see **177**, **SETTINGS**.

**Note:** Speed limit warnings will not be displayed in the Navigation system on vehicles with Traffic sign recognition.

The requirements of national Road Traffic Regulations always apply.

**Note:** Certain features and location-based services utilize your current location. You can manage which features are able to utilize mobile data, and your location, in the connectivity and navigation Settings.

Observation of traffic signs and local traffic regulations always take priority.

The Navigation system serves solely as an aid to navigation. In particular, the Navigation system cannot be used as an aid to orientation when visibility is poor.

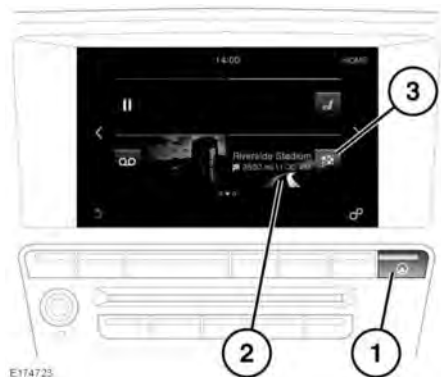
GPS signals may occasionally be interrupted due to physical barriers, such as tunnels, and roads under raised highways.

However, direction and speed sensors on the vehicle will minimize any adverse effect on the Navigation system. Normal operation will resume once the obstruction has been passed.

Under certain conditions, it is possible for the vehicle's position shown on screen to be incorrect. This may happen when:

- Driving on a spiral ramp in a building.
- Driving on or beneath elevated roads.
- Two roads are close and parallel.
- The vehicle is transported to another location.
- The vehicle has been rotated on a turntable.
- The vehicle's battery has been disconnected.

## USING THE NAVIGATION SYSTEM

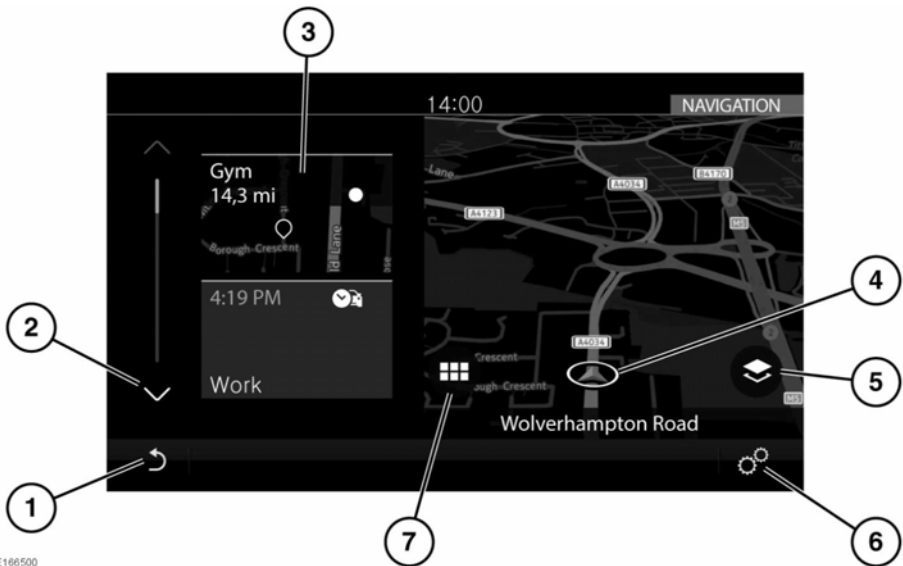


1. Navigation shortcut button:

- If the navigation map is shown on the Touch screen: Press to view the navigation **MAIN MENU**.
  - If the navigation map is not shown on the Touch screen: Press to view the **NAVIGATION** map screen.
2. Touch for navigation.
  3. Navigation shortcut.

- If no destination is currently selected: Touch to enter a destination.
- If a destination is currently selected: Touch to cancel guidance.

**Note:** A first time user should set up personal preferences in the Settings area. These include settings for managing which features can connect to the internet when on the home network or while roaming. These settings are applied whenever navigation is used.



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When Navigation is selected, and the vehicle is stationary, the Navigation system will display a map view of the current vehicle position. A side panel containing quick access tiles is also displayed.

**Note:** The quick access tiles act as shortcuts, to allow quick access to certain Navigation system functionality.

**Note:** The quick access tiles are hidden when the vehicle's speed reaches a predetermined level, and will not appear again until the ignition is switched off and back on again. If required, the options can be accessed via the Navigation menus.

**Note:** If the Navigation system is started when the vehicle's speed is already above the predetermined level, the quick access tiles will not appear.

1. Touch to return to the previous screen.

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2. Touch to scroll up or down the tile list.
3. Quick access tile options: Select the up or down arrows to scroll through the available options. Options include:
  - My commute
  - Fuel search
  - Recent destinations
  - Home
  - License information.
4. The current vehicle position and direction.
5. Map selector: Press to select **2D**, **3D** or **Satellite** map view. When guidance is active, combination views based on **2D**, **3D**, and **Satellite** map view become available, such as **Traffic**, **Next maneuver**, and **Route overview**.

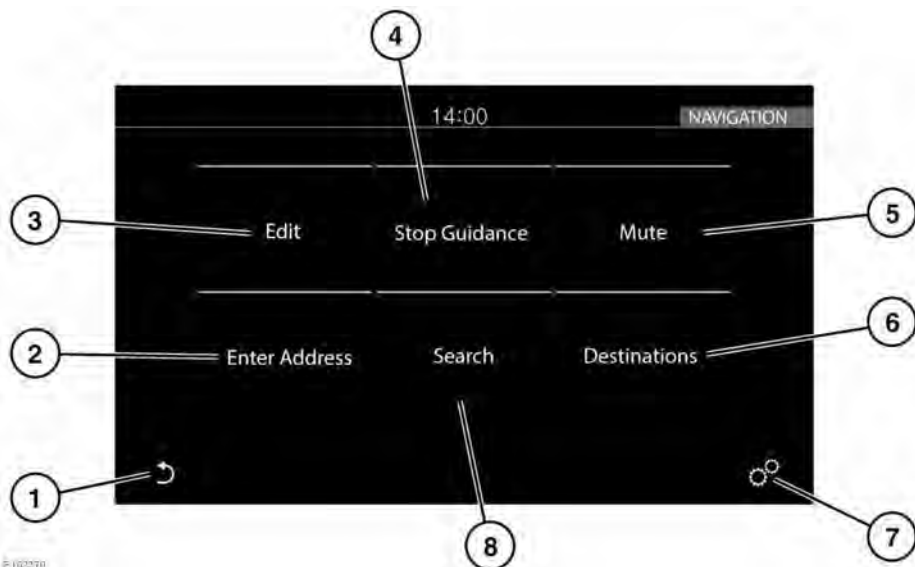
*Note: Internet connectivity is required for satellite map view.*
6. Select **Navigation Settings** via the **SETTINGS** pop-up menu.
7. Select the **NAVIGATION** main menu.

When the vehicle is in motion and no active route is selected, an assistance map will be displayed.

## MAIN MENU



When shown, touch the Menu icon to access the **NAVIGATION** main menu.



**Note:** Some of the options listed are only available when a route has been selected.

1. Touch to return to the map screen.
2. **Enter Address:** Provides a choice of options for entering an address. See **173, ADDRESS ENTRY**.
3. **Edit:** Touch to edit the current route. See **177, EDIT ROUTE**.
4. **Stop Guidance:** Cancels the current route guidance, if a route is selected.
5. **Mute:** Touch to mute the Navigation system's voice guidance.
6. **Destinations:** Shows your saved locations (e.g., home address and saved favorites), and most recent destinations.

**Note:** When signed into an InControl Navigation account (see **181, PROFILES**) destinations can be automatically synchronized between the vehicle, the internet, and the smartphone app.

7. Select **Navigation Settings** via the **SETTINGS** pop-up menu.
8. **Search:** Type text into the search box, or select from the POI categories listed.

## ADDRESS ENTRY

**Note:** If the full address is not known, the Search feature may be more effective, see **174, SEARCH**.

When searching, only the relevant keys for the next valid character are highlighted for selection.

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Previous entries, or search history, will also be displayed below the text entry box.

To enter an address:

1. From the **NAVIGATION** main menu (see **173, MAIN MENU**), touch **Enter Address**.
2. Input the **Country**.
3. Input the **City, Town** or **Zipcode**. Previous entries and narrowed search results will be displayed. Select the required entry, and touch **Ok**.
4. Input the **Street name, Number**, or **Intersection**, if applicable. Previous entries and narrowed search results will be displayed. Select the required entry, and touch **Ok**.

***Note:** In some markets, the entry fields may vary from those listed above.*

5. The map displays the entered location, as the address is entered. If the location displayed is correct, touch **Drive there**, to confirm.
6. The Navigation system will calculate, and display, a number of routes. Select **Start** to begin navigation. If the highlighted route is not the desired route, select **Route Options** to change the route. The distance and Estimated Time of Arrival (ETA) for each route will be displayed.
7. Select the chosen route and then touch **Start navigating**.

***Note:** The routes will be calculated using the selected route preferences (avoiding toll roads, ferries, etc.). The route preferences can be adjusted while setting the destination, if required.*

***Note:** An address can be added as a waypoint after a destination has been selected.*

***Note:** Previous entries, or search results as they are narrowed, are displayed on the screen behind the keyboard. If required, hide the keyboard for better access.*

## SEARCH

***Note:** If the full address is known, the Address entry feature may be more effective, see **173, ADDRESS ENTRY**.*

Search can be used to locate an address, or a Point Of Interest (POI).

To search for an address:

1. From the **NAVIGATION** main menu, touch **Search**.
2. If a route is already active, the following list of search areas will be available from the drop-down menu:
  - Along the route
  - Most relevant
  - Near the waypoint 1, 2, or 3, etc.

***Note:** The selected route must include one or more waypoints for this option to be available.*

  - Near your destination.
3. Input your search choice into the text box.
4. Select your search result from the list provided.
5. Touch **Start** to begin navigation.

***Note:** The routes will be calculated using the selected route preferences (avoiding toll roads, ferries, etc.). The route preferences can be adjusted while setting the destination, if required.*

To search for a POI:

1. From the **NAVIGATION** main menu, touch **Search**.

2. If a route is already active, the following list of search areas will be available from the drop-down menu:
  - Along the route
  - Most relevant
  - Near the waypoint 1, 2, or 3, etc.
 

***Note:** The selected route must include one or more waypoints for this option to be available.*
  - Near your destination.
3. Select a search category from the list (**Fuel station, Eat & Drink, Parking Facility, ATM/Bank**).
 

***Note:** Fuel stations can be sorted by the price of their fuel, see **180, FUEL PRICES SERVICE**.*
4. Select your search result from the list provided.

The following POI details and options may also be available:

- POI phone number: Touch to view the POI's phone number, and phone the POI, if required.
- Add to favorites: Touch to add the selected POI to your favorites.
- Nearest parking lot: Touch to search for nearby parking lots, if the selected destination or waypoint is not a parking lot.
- Additional information (postal address, opening times, reviews, photographic view of the POI), where available.

***Note:** A POI or address can be added as a waypoint after a destination has been selected.*

***Note:** If the vehicle is connected to the internet, the search function can be performed using cloud-based information. This feature can be enabled/disabled in Settings, see **177, SETTINGS**.*

## MAP SPLIT SCREEN



1. Touch to access the **NAVIGATION** main menu.
2. Left map view, scale/zoom setting.  
**Note:** The map zoom setting can be altered by using a pinch or push motion, and the map view can be panned using a swipe motion.
3. Active route: Next direction display.
4. Selected additional view option: Route overview, Next maneuver, Compass or Traffic.
5. Map selector: Press to select 2D, 3D or satellite map view.  
**Note:** Internet connectivity is required for satellite map view.
6. The current vehicle position and direction.
7. Current location.

8. Information bar: Displays information including time, distance, and ETA (Estimated Time of Arrival).

## REAR SEAT NAVIGATION

The Navigation system can be viewed and operated from the rear screens.

**Note:** The navigation features available on the rear screens will be different from the front Touch screens.

Rear seat passengers can monitor the selected route (estimated time of arrival, distance to destination, etc.) and view or suggest new locations.

To view the navigation map on a rear screen, select the Home button on the remote control. Use the cursor controls to select **Navigation** and press the **OK** button to confirm.

To view the navigation menu, press the **OK** button again. Use the cursor controls to select **Search**, **Browse map**, or **Settings**.

Select **Search**, to display a list of options for selecting a new location. After selecting a new location, select **Send To Driver**. The driver will receive a prompt on the front Touch screen to accept or refuse the selection. See **137, REAR SEAT REMOTE CONTROL** and **139, REAR SEAT SCREENS OVERVIEW**.

## MAP AUTO ZOOM

When Auto-zoom is enabled, the map will automatically zoom in when the vehicle is traveling at slow speeds, and zooms out when traveling at higher speeds.

Auto-zoom can be enable/disabled in the Navigation Settings menu, see **177, SETTINGS**.

## SETTINGS

Touch the navigation Settings icon to view the following options:

- **Alerts:** Enable/disable from a list of alert categories, see **178, ALERTS**.
- **My Commute:** Set up your commute.
- **Sync settings:** Adjust the synchronization settings between the vehicle and other devices.
- **Your installed maps:** View the details of the maps currently loaded to the vehicle's Navigation system.
- **Keyboard layouts:** Select additional keyboard layouts.
- **Route preferences:** Select to avoid certain road features.
- **Set up customized searches:** Add a customized search to your favorites, or frequent searches.
- **App details:** View details of the installed Navigation system.

- **Auto-zoom:** Enable/disable auto-zoom.
- **Map features:** Enable/disable from a list of available features.
- **Manage profile data :** Clear the search history or delete all profile data.

## EDIT ROUTE

A waypoint can be added or deleted, a route rearranged, or a round trip created for a selected route.

*Note:* Waypoints can also be added from *Destinations, Address Entry, or Search in the NAVIGATION main menu, or by selecting a point on the map.*

From the **NAVIGATION** main menu (see **173, MAIN MENU**), touch **Edit**.

The following options can be used:

- **Add Waypoint:** Touch to add a waypoint to the current route.
- **Remove waypoint:** Touch the Bin icon to remove the waypoint from the current route.
- **Change the order of the waypoints:** Touch the up/down arrows to re-order the waypoints.
- **Return Journey:** Select to make a selected destination in to a round trip.

*Note:* The return journey will not include any of the selected waypoints. If waypoints are required, they must be added in the normal manner.

## VIEW OPTIONS

The Navigation map and guidance views can be adjusted as follows:

- **2D:** Flat two-dimensional view.
- **3D:** Three-dimensional perspective view.
- **Satellite:** Birds-eye view of the surroundings.

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**Note:** This feature requires an internet connection.

- **Next maneuver:** Shows a detailed view of the next intersection or turn.
- **Route overview:** View of the full route.
- **Traffic** (where available): Possible hazards or delays.
- **Compass:** Shows a digital compass, with your heading shown in degrees.

## ALERTS

Alerts can be selected from the **Navigation Settings** menu.

- **Maneuver details:** A list of the next required maneuvers.
- **Junction view:** Active on multi-lane highways, when approaching a junction. Junction view shows the lane information for the next junction.
- **Low fuel Automatic Search:** Available online and offline. Fuel stations are listed by price. Preferred station name and type of fuel can be selected.
- **Safety camera:** Notification of safety cameras.

## YOUR FAVORITES

When detailed information is displayed about an address or place, tap the Add favorite icon and the place is added to your list of favorites.

Displayed information that is already a favorite will display the Edit favorite icon. This will display information about the favorite location and the option to change the icon and name, or delete it from your list of favorites.

If no route is selected, select the required favorite to set as a destination. If a route is selected, select the required favorite to add it as a waypoint.

**Note:** When signed into an InControl Navigation account (see **181, PROFILES**) favorites can be automatically synchronized between the vehicle, the internet, and the smartphone app.

## MAP UPDATES

**Note:** Due to the map data file size, it is recommended that a USB 3.0 memory device is used to update the map data.

**Note:** The vehicle must be stationary to enable the map update to commence. Once the update process has commenced, the vehicle may be driven.

**Note:** The Navigation system cannot be interacted with until the map update is complete. If a route was active before the map update commenced, the navigation guidance will be limited to voice guidance only.

**Note:** The USB drive must **NOT** be removed, or the ignition switched off, before the update is complete, as this will cause the update to be canceled and potentially leave the system without any available map data.

The map data in the Navigation system can be updated by downloading the updated map data to a USB memory device.

Insert the USB memory stick into the USB socket and follow the onscreen instructions within the Navigation system to update the maps.

**Note:** Only the USB sockets in the front cubby box can be used for map updates, see **68, STORAGE COMPARTMENTS**.

Information on the installed maps can be viewed in Settings, see **177, SETTINGS**.

For further information on Navigation system updates, please visit the **Map Updates** section on [www.jaguar.com](http://www.jaguar.com), or contact a Jaguar retailer.

## FUEL FINDER

When the fuel level falls below a predetermined level, an alert will be triggered, and the Navigation system will search for nearby fuel stations.

Preferred fuel stations can be stored in the **Alerts** menu, see **178, ALERTS**.

The alert can be enable/disable in Settings, see **177, SETTINGS**.

## INSTRUMENT PANEL VIEW

The Instrument panel can be set up to show a view of the navigation map. In this view, essential information (vehicle speed, fuel level, range, etc.) will be displayed as an information bar in the Instrument panel.

The Instrument panel view can be set up in the Instrument panel menu, see **44, INSTRUMENT PANEL MENU**.

## CONNECTED NAVIGATION

A number of features are available that utilize InControl Pro Services (see **189, INCONTROL PRO SERVICES**). These include:

***Note:** Unless stated otherwise, the features listed require an internet connection to function.*

- My commute. See **179, MY COMMUTE**.
- Real time traffic flow. See **180, REAL TIME TRAFFIC FLOW**.
- Fuel price service. See **180, FUEL PRICES SERVICE**.
- Approach mode. See **180, APPROACH MODE**.

***Note:** This feature does not need an internet connection to function. However, functionality may be enhanced with an internet connection.*

- Online search. See **180, ONLINE SEARCH**.
- Satellite views. See **181, SATELLITE VIEWS**.

- Online routing. See **181, ONLINE ROUTING**.
- Cloud sync. See **181, PROFILES**.
- Door to door routing. See **181, DOOR TO DOOR ROUTING**.
- Sharing. See **181, SHARING**.

***Note:** User preferences are available in the **Navigation Settings** via the **SETTINGS** pop-up menu. These include settings for managing which features can connect to the internet when on the home network or while roaming.*

## MY COMMUTE

A commute is a trip with a common start point, a common end point, and at a regular time of day. When **My Commute** is enabled, the Navigation system is designed to recognize your commute.

The following conditions must be met for the commute to be automatically learned:

- The start point must be consistent.
- The start time must be within one hour of the current time.
- The end point must be consistent.

All of the alternative routes that you have used on the same commute are grouped and stored. Commute mode shows a highlighted route on the map, and uses the learned routes, combined with live traffic information, to calculate the fastest of the previously used routes.

If more than one commute is available, the alternative commutes will be available for selection.

The first commute must be set up manually using the My Commute set up wizard in Settings, see **177, SETTINGS**.

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**Note:** Once a commute has been set up, the wizard will no longer be accessible, unless the commute is deleted. Once a commute has been set manually, the Navigation system automatically learns additional regular journeys.

**Note:** Commute mode shows a map on the Touch screen, but does not give audio guidance.

**Note:** My Commute can be enabled/disabled in the **Navigation Settings** via the **SETTINGS** pop-up menu.

## REAL TIME TRAFFIC FLOW

Real Time Traffic provides significantly greater amounts of detail, across a far greater road coverage, than conventional broadcast-based traffic information systems, making it easier to plan routes either manually or automatically. The system utilizes live feeds, and historical traffic patterns to continuously update traffic information, and enhance the calculation of the selected route.

**Note:** Historical and internet traffic information are not available in all markets.

Roads are displayed as color coded in order of traffic flow. The color codes are:

- Red: Very heavy or stationary traffic.
- Yellow: Heavy traffic.
- Green: Free-flowing traffic.
- Black: Closed road.

Real time traffic can be displayed with a route selected or with no route selected.

A traffic enabled route can be selected; this will display improved and updated routes to your destination, avoiding traffic tailbacks and delays. This option can also be enabled to possibly find a route around an alerted incident or traffic flow issues, to your destination.

**Note:** A live internet connection is required to receive updated traffic information during the journey.

## FUEL PRICES SERVICE

When gas station is selected during a POI search, the nearby gas stations can be sorted according to the price of their fuel. Fuel prices are updated to the vehicle's database from the internet.

**Note:** Fuel pricing information may not be updated in real time, and cannot be guaranteed to be accurate.

**Note:** In some markets, a relative price index will be shown instead of live fuel prices.

## APPROACH MODE

When the vehicle approaches a selected waypoint or destination, information that may be of use to the driver is displayed. If the vehicle is connected to the internet, a photographic view of the street will be shown, where available.

**Note:** The image can be rotated by swiping on the image to view a 360° view of the surrounding area.

If the destination or waypoint is not a parking lot, and parking is available nearby, a Parking icon will appear on the Touch screen.

Touch the icon to show nearby parking, and to update your destination to include the selected parking. The original destination remains active for selection on the smartphone app, to enable guidance from the vehicle to the destination.

## ONLINE SEARCH

Provides information, via the internet, for real-time information on Points Of Interest (POIs). An online search can provide significantly more information on POIs than the database on the vehicle.

## SAFETY CAMERAS

Provides the location of potential accident black spots, or areas that have been identified as a potential danger by the presence of safety cameras.

**Note:** Safety camera information is not available in all countries.

## SATELLITE VIEWS

The Navigation system uses a satellite view of the local area, overlaid with the Navigation system graphics.

**Note:** If the Satellite view feature is used continuously, it may consume large amounts of mobile data. You may need to check your data allowance is appropriately configured for providing high data services.

## ONLINE ROUTING

The selected route is calculated in the cloud and applies any settings that you have selected.

Online routing will take into account the current traffic conditions and the traffic patterns for the relevant time of day, on all routes.

## DOOR TO DOOR ROUTING

A smartphone app allows a route to be planned in its entirety from one location to another, using a combination of the phone and the vehicle's Navigation system.

The app will provide guidance via the phone:

- From your current location to your vehicle (including public transport information, if available).
- From your vehicle to the end destination.

Guidance along the driven section of the route is given via the vehicle's Navigation system.

**Note:** Using the smartphone app does not mandate that the vehicle is used. For example, if the user is close to the location and the vehicle is far away, then the application may suggest an alternative form of transport.

## ROUTE PLANNING WEB PORTAL

The Route planning web portal enables a user to search, plan routes and destinations, manage places (POIs, favorites, etc.), using a computer. Destinations, places, and routes can be synchronized with the smartphone app and vehicle's Navigation system.

## SHARING

Send a message (via SMS or email) to inform others of your current location, destination and Estimated Time of Arrival (ETA) (including automatic ETA updates if your journey time is extended).

To share your ETA, touch the ETA banner in the Touch screen information bar (see **176, MAP SPLIT SCREEN**) and follow the onscreen instructions.

## PROFILES

A driver profile enables personalized settings and information to be stored and easily switched for each driver.

Driver profiles can be created by signing up for an InControl Navigation account within Settings. Profiles can also be edited, switched and reset (see **177, SETTINGS**).

To sign up for an InControl Navigation account, the following will need to be supplied:

- Name.
- Date of birth.
- Country.
- A valid email address.
- Password.

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**Note:** Internet connection to the vehicle is required to sign up for an account.

The profile information on the Navigation system can be synchronized with the information stored on other devices via the cloud. Cloud synchronization can be set up in Settings (see **177, SETTINGS**) to be synchronized automatically or manually.

**Note:** If a profile is deleted, all of the profile information will be unretrievable, with the exception of Favorites, which are also stored in the cloud.