

Navigation system

THE NAVIGATION SYSTEM

Navigation instruction is by map and turn information displayed on the Touch screen and can be complemented by voice guidance, if required. 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 true vehicle's position.

Note: Mapping data loaded on the hard drive is relevant to the market in which the vehicle is first sold and will provide guidance and information only for that area. Your Jaguar Dealer/Authorised Repairer will have details of software updates. Map updates can also be acquired from the **Ownership** section of the jaguar website at www.jaguar.com.

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, text screens, and map displays.

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

Note: The Navigation system fitted to your vehicle does not support speed camera alerts.

The requirements of national Road Traffic Regulations always apply.

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.

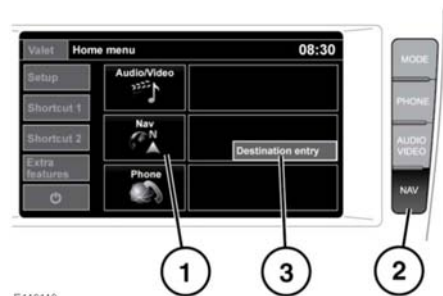
However, direction and speed sensors on the vehicle will minimise any adverse effect on the Navigation system. Normal operation will resume once the obstruction has been passed.

Note: Some types of body-mounted accessories (for example, external Luggage compartment stowage devices) may affect the performance of this system.

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

- When driving on a spiral ramp in a building.
- When driving on or beneath elevated roads.
- When two roads are close and parallel.
- When the vehicle is transported to another destination.
- After the vehicle is rotated on a turntable.
- After disconnection of the vehicle's battery.

USING THE NAVIGATION SYSTEM



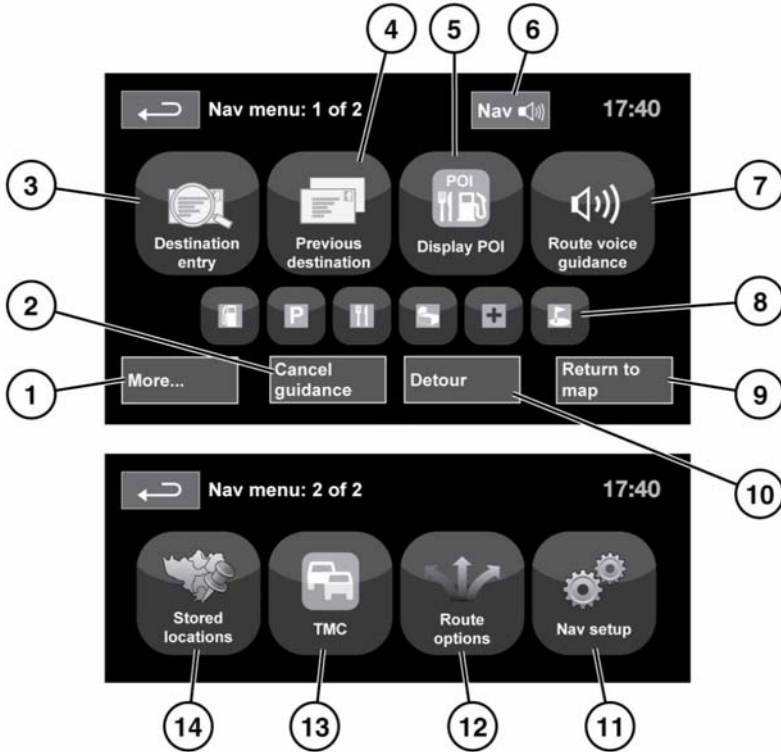
From the **Home menu**, touch the **Navigation** soft key (1). Alternatively, press the **NAV** button on the fascia (2). A **Caution** screen will be displayed.

After touching **Continue**, the Touch screen will display the previously displayed map view. This will show the current vehicle position. Touch the **Nav menu** soft key to display the main menu screen.

At this point, the first time user should set up personal preferences in the **Nav Set up** area. These settings are applied whenever navigation is used.

For a shortcut to set a destination, press **Destination entry (3)**. The **Destination entry** menu will be displayed after pressing **Continue** on the **Caution** screen.

MAIN MENU



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- 1. More...:** Displays the other Nav menu screen.
- 2. Cancel guidance:** Cancels the current route guidance.
- 3. Destination entry:** Provides a choice of options for entering a destination.
- 4. Previous destination:** Displays previous destinations entered.
- 5. Display/Hide POI:** Turns the POI (Point Of Interest) icons on the map on/off.
- 6.** When a destination is set, the Jaguar logo is replaced by a soft key which enables the last voice instruction to be repeated.
- 7. Route voice guidance:** Allows the voice guidance messages to be turned off for the current journey. The soft key is highlighted while voice guidance is enabled.
- 8.** POI shortcuts: Touch an icon to list available POIs close to the vehicle's position.
- 9. Return to map:** Advances to the main map screen.
- 10. Detour:** Allows a detour from the current route.
- 11. Nav setup:** Settings for the Navigation system.

- 12. Route options:** Allows a selection of various options for the route.
- 13. TMC (Traffic Message Channel):** Not used for entering a destination but, when enabled, will provide data about road conditions and any events that may affect the journey.
- 14. Stored locations:** Manages the stored locations.

SCREEN MODES

Touch the screen mode selection key to view a series of icons, each depicting a different screen mode (as detailed below). Touch the relevant icon to select the desired screen mode.



Full screen view.



Split screen view.



Shows a list of turn directions on the right half of the screen.



Guidance screen: Shows a detailed view of the next junction, on motorway or intersection view on non-motorway roads, in the right half of the screen.



Motorway information: This view is only available when travelling on a motorway. It displays automatically to show remaining motorway exits along your route.

To turn off the Guidance or Motorway information screens, proceed as follows:

1. From the **Nav menu**, touch **More....**
2. Select **Nav setup**.
3. Touch **User settings**.
4. Touch **Guidance screen** or **Motorway information** to deselect the option.
5. Touch **OK** to confirm.

SEARCH AREA

The navigation map database is divided into countries, or areas of countries, called search areas. When setting a route, the destination (or waypoint) entered must be in the currently selected search area.

Before attempting to set a destination or waypoint, set the correct search area as follows:

1. Select **Destination entry** from the main navigation menu.
2. Touch **More....**
3. Touch **Search area**.
4. Scroll through the list and select the 3 letter code that corresponds to the desired destination area.
5. Select **Ok**. The **Destination entry** menu is shown and the information window shows the currently selected search area.

SETTING A DESTINATION

1. From the Navigation menu, touch **Destination entry**.
2. Touch **Address** from the **Destination** screen and input the town name or postcode.
3. Once sufficient letters have been entered, touch **Ok** or **List** to display all the possible towns.
4. If necessary, use the scroll arrows to the left of the list to search up or down. Select the town you require.
5. Now enter the road name. Once sufficient letters have been entered, touch **Ok** or **List** to display all the possible roads.
6. Select the road you require. Enter the house number of the address (if known) and then touch **Ok** to confirm.
7. If the house number is not known; select **Ok**, the mid-point of the road is then used as the destination.
8. The map screen showing the selected destination details is displayed. Touch **GO** to calculate the default quick route, or **Review route** for alternative routes.
9. Touch **GO** to start the journey.

Instructional video - Entering a destination.



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START GUIDANCE

After selecting a **Destination**, the system will calculate the route:

1. There is now a choice to select **3 Routes**, **Change route**, or select **GO**, to start navigation guidance.
2. Touch **3 Routes** to display a choice of 3 different route options on the map. The roads on the map are drawn in 3 different colours to highlight each route. EcoRoute helps you find the most fuel efficient route available. A display of 3 leaves indicates the most fuel efficient route.
3. Select route **Quick**, **Short**, or **Alt route** by touching the respective box displayed on the right side of the map.
4. Touch **Change route** followed by **Route preferences** to change the route settings. Press **Ok** for changes to take effect. If a destination is already set, touch **Waypoint** to add a waypoint in the journey, if required.
5. When you have made your selection, if any, touch **GO**.

***Note:** As you approach a junction, in addition to the voice guidance, an inset on the map will display an enlarged view of the junction.*

AVOID POINTS

When calculating a route, an area to avoid can be set and stored:

1. From the **Nav menu**, touch **More....**
2. Select **Stored locations**.

3. Select **Avoid points**.
4. Select **Add**.
5. Select the location of the area to avoid from the **Destination entry** menu. Touch **Ok** to activate the view, where the size of the area to avoid can be set.
6. Touch **Ok** to activate the area to avoid. The size of the area can be adjusted by using the '+' and '-' symbols.
7. Touch **Ok**; the area to avoid is now set and stored.

To edit or delete an area to avoid from the stored list:

1. From the **Nav menu**, touch **More...** and select **Stored locations**.
2. Select **Avoid points**.
3. From the sub-menu, select **Edit** or **Delete**.

EASY ROUTE

In **Route options**, **Easy Route** can be turned **On** or **Off**.

When **On** is selected, **Easy Route** changes the calculation parameters of **Route 3** in order to reduce:

- Junctions.
- Turns.
- Turns that cross traffic.
- The priority of minor roads.
- Complex junctions and manoeuvres.

LEARN ROUTE

In **Route options**, **Learn Route** can be turned **On** or **Off**.

When **On** is selected, if you make the same deviation from the proposed route 3 times, then the system will memorise the deviation and offer that as the normal route from then on. Select **Reset all routes** to delete any learnt routes and return to the default settings.

VOICE GUIDANCE

To turn voice guidance on or off but maintain route guidance, proceed as follows:

1. Touch **Nav menu** on the navigation screen.
2. Touch the **Route voice guidance** soft key. The soft key will be highlighted when voice guidance is enabled.

Instructional video - Voice guidance.



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CANCEL ROUTE GUIDANCE

To cancel route guidance, proceed as follows:

1. Touch **Nav menu** on the navigation screen.
2. Touch the **Cancel guidance** soft key.

QUICK POI SELECTION

1. Touch the Map to display the additional options.
2. Touch the **Point of interest (POI)** soft key.
3. The screen shows 6 suggested categories, 5 of which can be selected as quick Points Of Interest (POIs).
4. Select a Quick POI category, or touch **More** to see further POIs. Touch **OK** to confirm a selection.

5. The map with the POI icon(s) is displayed. Scroll the map to the POI icon, then touch **Set destination** to set and calculate the route.
6. Touch **GO** to start the journey.

RESTORE SYSTEM DEFAULTS

From the **Nav menu**, select **Nav-setup**. If you have made any changes to the system's default settings, use this menu to restore the original settings.

FAVOURITES

This enables you to manage destinations such as, place of work, home, favourite restaurant.

From the favourites sub-menu in Stored locations, you can save up to 400 stored favourites.

Use favourites to add your home address as a stored favourite:

1. From the **Nav menu**, touch **More....**
2. Select **Stored locations**.
3. Touch **Favourite**.
4. To store a favourite, select **Add** from the sub-menu.
5. Select any destination entry method and confirm the desired location.

Instructional video - Favourites.



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FAVOURITES DETAILS

1. From the **Stored locations** menu, select **Favourite**.
2. Select **Edit** or **Delete**.

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3. Touch the selected favourite to display the details.
4. Select the chosen detail to edit. Details include **Attribute**, **Name**, **Phone number**, **Location**, and **Icon**.

HOME

1. From the **Nav menu**, touch **More...** and select **Stored locations**.
2. Touch **Home location**.
3. To store a home location, select **Add** from the sub-menu.
4. Select any destination entry method to set your home location. Touch **Ok** to confirm.
5. Touch **Ok** from the favourite summary; home location is now set.

POSTCODE

Not all countries have this facility.

1. From the **Nav menu**, select **Destination entry**.
2. Touch **Postcode**. Enter the postcode of your waypoint or destination from the keypad. The postcode must be entered precisely, including any spaces or punctuation.
3. When the postcode has been entered, touch **Ok**.

EMERGENCY

Not all countries have this facility.

1. From the **Nav menu**, touch **Destination entry** and select **Emergency** to display a list of local police stations, hospitals, or Jaguar Dealerships.
2. Press **Name** to display the list in alphabetical order, or **Distance** to display the list in order of proximity to the current vehicle location.

3. Touch the name of the facility to set it as a destination or waypoint.

MAP

Scroll the map to the area of your destination or waypoint, zooming in if required.

This location can be stored as a favourite, destination, or waypoint.

COORDINATES

From the Navigation menu, select **Destination entry**. Select **More...** and then **Coordinates**.

If you know the coordinates of your destination, they can be entered from this screen. The full latitude must be entered first before the longitude coordinates can be entered.

When the coordinates have been entered, touch **Ok**.

If the coordinates entered are not contained within the area covered by the available maps, a message will be shown. This can also occur if the incorrect coordinates have been entered.

RECALLING A PREVIOUS DESTINATION

1. From the **Nav menu**, touch **Previous destination**.
2. Touch your previous destination from the list. The map showing the selected destination is displayed.
3. Touch **GO** to start the journey.

MOTORWAY

1. From the **Nav menu**, touch **Destination entry**.
2. Touch **More...**
3. Touch **Motorway Entry/Exit**.
4. Enter the motorway name or number, or select from **List**.

5. Touch **Entrance** or **Exit**.
6. Enter the entrance or exit name for the chosen motorway, or select from **List**. The map showing the selected motorway and junction is displayed.
7. Touch **GO** to start the journey.

POINTS OF INTEREST (POI)

1. From the **Nav menu**, touch **Destination entry**.
2. Touch **More....**
3. Touch **Point of interest**.
4. Touch **POI name** and touch **Ok** to confirm.
5. Enter the POI name, or select from **List**.
6. Alternatively, choose **Category** to see all categories of POI and make your selection. See **131, CATEGORIES AND SUB-CATEGORIES**.
7. To narrow the search area, touch **Town** to enter a town name.
8. Once the POI has been selected, the map showing the selected destination is displayed.
9. Touch **GO** to start the journey.

Note: If entering a POI name results in too many matches being listed, try entering the town name first. If you do not know the name of the POI you want, try selecting a POI category.

Note: POI icons can only be displayed up to the 1 km (½ mile) zoom level.

Instructional video - Points of interest.



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LOCAL POI SEARCH

Use to select Points Of Interest (POIs) close to the vehicle's position.

1. From the **Nav menu**, touch **Destination entry**.
2. Touch **More....**
3. Touch **Point of interest**.
4. Touch **POI near current** and touch **Ok** to confirm.
5. Select POI category, if required select again from sub-category and touch **Ok** to confirm.
6. Touch **Show List** or **Select Category** to make further selections.
Note: Up to 5 categories can be chosen to select a POI from.
7. Select your POI destination from the list. The map showing the selected destination is displayed.
8. Touch **Destination** to set and calculate the route.
9. Touch **GO** to start the journey.

Note: Nav POI near current position can be set as a Home menu shortcut. See **60, TOUCH SCREEN SETUP**.

DEALER LOCATIONS

Details of Jaguar Dealers are held on the Navigation system as a Point Of Interest (POI) category, under car/automotive category. See **131, LOCAL POI SEARCH**.

CATEGORIES AND SUB-CATEGORIES

The Point Of Interest (POI) database is divided into a number of categories. Each main category is further divided into a number of sub-categories.

Touch the desired category, then choose desired sub-categories.

MY POI

Additional Points Of Interest (POIs) can be downloaded and added to the list. The system can store up to 50,000 'My POIs', in up to 100 groups (whichever comes first).

Free POIs can be found on the internet and downloaded into the system. The name of the imported file will be displayed as a group name. Imported icons will be displayed on the map. In order for a file or icon to be successfully downloaded, the following conditions must exist:

- The POI file must be in a .gpx format, version 1.1.
- The POI file name must not contain the following characters; -, /, :, *, ", <, >, or |.
- The POI file name must not exceed 35 characters.
- The icon file name must match the POI file name.
- The icon size must not exceed 32x32 dots.
- The icon format must be a bitmap (.bmp) or jpeg (.jpg).

To download files or icons, connect a USB device containing the POIs. See **109, CONNECTING A DEVICE.**

1. From the **Nav menu**, touch **More....**
2. Select **Stored locations.**
3. Touch **My POI.**
4. Select **Add** to individually select each POI group to be downloaded. Select **Edit** to change **Name**, **Icon**, or **Sound icon**, or select **Delete.**

ARABIC NAVIGATION

To turn Arabic navigation on or off:

1. From the **Home menu**, touch **Setup.**
2. Touch **System.**

3. Touch **Language** and select Arabic navigation **On.**
4. Select **Yes** to continue with Arabic navigation.

Note: *The SWYS voice system is not compatible with Arabic navigation.*

RDS-TMC OVERVIEW

RDS-TMC (Radio Data System-Traffic Message Channel) is a feature that announces traffic hold-ups on your route, as broadcast by radio stations that transmit TMC information.

Touch the **TMC** button on the Navigation menu to access the TMC menu.

TMC events ahead on route can be displayed by touching the **Events ahead** soft key. TMC can be set to display on the map for all events, for major events, or can be switched off. During route calculation, it can be set to avoid TMC events along the route.

Instructional video - TMC.



RDS-TMC DISPLAY

When a TMC signal is received, the icon along the top of the screen will appear green. If a TMC signal is not being received, the icon will be shown with a bar through it.

The system will inform the driver of any roadworks, narrow road, contraflow, accidents, slippery road, diversion, information, parking information, congestion, or other hazard.

The driver is informed of a traffic event as follows:

- A TMC event icon, shown on the map at the location of the event.

- Text can be displayed showing the details of each occurrence, which can be selected either by touching the screen icon or from the traffic information list.
- Dynamic route guidance, which calculates an alternative route when the system receives the traffic event warning affecting the route currently set in the Navigation system.
- Traffic event list shows all events sorted by road name/distance on your selected route in a straight line, or along your actual route.

The information regarding the hold-up is maintained and updated, even if the vehicle crosses into another country.

RDS-TMC ICONS

Any traffic event (broadcast on TMC) in your area, will be displayed as a warning icon on the map, and an alert may be displayed as a message giving the road number(s) and between which junctions the hold-up or event occurs.

This data is stored in the system for up to 15 minutes.

The colour of the TMC icon changes in order to show the type and priority of a TMC event. The background colour of the icon returns to normal when there is no longer an event or hold-up, or if any re-route instructions are calculated.

The TMC event icons appear on the navigation map display to indicate the location and nature of a TMC event.

TMC Event icons will appear on the map, even if the event does not occur on your route.



Incident (Red star).



Moving Tailback Ahead (Red arrow).



Moving Tailback Both Carriageways (Red double arrow).



Slow Traffic Ahead (Yellow arrow).



Slow Traffic Both Carriageways (Yellow double arrow).



Information (Yellow circle).



Incident (Yellow star).

Note: Single arrow icons indicate that the traffic event affects traffic travelling in the direction of the arrow. Double arrows indicate that both directions are affected.

If the map is scrolled to any of the above events, further details are available and are indicated as one of the following icons:



Closed Road.



Special Warning (orange triangle).



Danger (red triangle).



Stationary Traffic.



Congestion.



Delay.



Diversion.

Navigation system



Contraflow.



Event.



Height Width Limit.

USING TMC

Dynamic route guidance will calculate an alternative route to avoid a traffic event when the system receives an event warning. The system calculates a new route for all sections. However, if any waypoints are set, the system calculates for the next waypoint. If the event on route is serious (closed road), or if the new route is shorter than the current one and the current one was not recalculated within the last 5 minutes, then a message to confirm the new route will be displayed. This pop-up message will be displayed for 5 minutes and if the new route is not rejected, then the vehicle will stay on the current route.

ORDNANCE SURVEY DATA

Please read this agreement carefully before using the Navigation System.

This is a licence agreement to use the Ordnance Survey (OS) Code-Point data incorporated in the Navigation System. By using this Code-Point data you accept and agree to all the terms and conditions below.

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EUROPEAN DECLARATION OF CONFORMITY



Hereby, DENSO CORPORATION declares that this DN-NS-019 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.