

# KENWOOD

GPS NAVIGATION SYSTEM

**DNX4230TR**

**DNX570TR**

**GPS NAVIGATION  
INSTRUCTION MANUAL**

JVCKENWOOD Corporation

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### **Icons used in this manual**



Important precautions are described to prevent injuries and potentially dangerous situations.



Special instructions, supplementary explanations, limitations and reference pages are described.



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# Getting started

The first time you use your Kenwood Navigation System, you need to set up your system. The Help menu provides additional information.

## ⚠ WARNING

See "Safety Precautions and Important Information" in the *Quick Start Guide* for product warnings and other important information.



- The screenshots shown in this manual may not exactly match the screens on your navigation system. The images used in this manual are intended for reference only.

## Using the navigation system

For complete audio system information, see the other Kenwood system manuals.



- Select ① to access the navigation system.
- When navigating, ② displays Kenwood audio. When using audio, this displays navigation information.

## Help when you need it

Select **Apps > Help** to view information about using the device.

## Searching help topics

Select **Apps > Help > Q**.

## Status bar icons


The status bar is located at the top of the main menu. The status bar icons display information about features on the device. You can select some icons to change settings or view additional information.

	GPS signal status.
	Current time.
	Smartphone Link status (appears when connected to Smartphone Link). See (page 26).
	Transportation mode indicator.

## Transportation modes

	Lorry mode
	Motor Home mode
	Automobile mode

## Satellite signals








After your vehicle is turned on, the navigation system begins acquiring satellite signals. The system may need a clear view of the sky to acquire satellite signals. When at least one of the  bars is green, your system has acquired satellite signals.

## Viewing GPS satellite signals

For more information about GPS, go to [www.garmin.com/aboutGPS](http://www.garmin.com/aboutGPS).

Select .

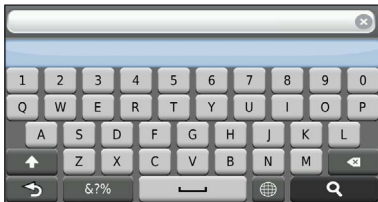
## Using the on-screen buttons







- Select  to return to the main menu.
- Hold  to quickly return to the main menu.
- Select  or  to see more choices.
- Hold  or  to scroll faster.
- Select  to see a menu of options for the current screen.

## Using the on-screen keyboard

See Language Settings to change the keyboard layout ([page 38](#)).

**When an on-screen keyboard appears, select a letter or a number to enter it.**




- Select  to add a space.
- Select  to delete a character.
- Select  to erase the entire entry.
- Select  to select the keyboard language mode.
- Select  to enter special characters, such as punctuation marks.
- Select  to change character capitalisation.

## Entering a lorry or motor home profile

### WARNING

Entering your vehicle profile characteristics does not guarantee that your vehicle's characteristics will be accounted for in all route suggestions or that you will receive the warning icons in all cases. Limitations may exist in the map data such that your device cannot account for these restrictions or road conditions in all cases. Always defer to all posted road signs and road conditions when making driving decisions.


- 1 Select **Settings > Lorry Profile**.
- 2 Select **Lorry or Motor Home**.
- 3 Select .
- 4 Follow the on-screen prompts.

## Adding a shortcut

You can add shortcuts to the Where To? menu. A shortcut can point to a location, a category or a search tool. The Where To? menu can contain up to 36 shortcut icons.

- 1 Select **Where To? > Personalise**.
- 2 Select an item.

## Removing a shortcut

- 1 Select **Where To? >  > Remove Shortcut(s)**.
- 2 Select the shortcut to remove.
- 3 Select the shortcut again to confirm.

# Finding locations

The navigation system offers many methods for finding locations. The detailed maps loaded in your navigation system contain locations, such as restaurants, hotels and vehicle services. You can use categories to browse for nearby businesses and attractions.

## Finding a location by category

- 1 Select Where To?.
- 2 Select a category, or select Categories.
- 3 If necessary, select a subcategory.
- 4 Select a location.

## Searching within a category

To narrow your search results, you can search within some categories.

- 1 Select Where To?.
- 2 Select a category, or select Categories.
- 3 If necessary, select a subcategory.
- 4 If necessary, enter all or part of the name in the search bar (page 14).

## Finding a location using the search bar

You can use the search bar to search for locations by entering a category, brand name, address or town name.

- 1 Select Where To?.
- 2 Select the search bar ①.




- 3 Enter a search term.

Suggested search terms appear below the search bar as you type.

- 4 Select an option:

- To search for a type of business, enter a category name, such as "cinemas".
- To search for a business by name, enter all or part of the name.
- To search for an address near you, enter the street number and street name.
- To search for an address in another town, enter the street number, street name, town and county.
- To search for a town, enter the town and county.
- To search for coordinates, enter latitude and longitude coordinates.

- 5 Select an option:

- To search using a suggested search term, select the term.
- To search using the text you entered, select .

- 6 If necessary, select a location.

## Changing the search area

By default, your device finds locations closest to your current location. You can find a location near another town or location.

- 1 Select Where To? > Searching Near.

- 2 Select an option.

- 3 If necessary, select a location.


## Finding an address

• The order of the steps may change depending on the map data loaded on your device.

- 1 Select **Where To?** > **Address**.
- 2 Enter the address number, and select **Done**.
- 3 Enter the street name, and select **Next**.
- 4 If necessary, select **Searching In** to change the town, county or region.
- 5 If necessary, select the town, county or region.
- 6 If necessary, select the address.

## Finding a town

Before you can find a town, you must add a shortcut to the towns search tool ([page 13](#)).

- 1 Select **Where To?** > **Towns**.
- 2 Select **Enter Search**.
- 3 Enter a town name and select .
- 4 Select a town.

## Finding a junction

Before you can find a junction, you must add a shortcut to the junction search tool ([page 13](#)).

- 1 Select **Where To?** > **Junctions**.
- 2 Select a county or region.  
  
If necessary, select **County** or **Country** to change the country, county or region.
- 3 Enter the first street name, and select **Next**.
- 4 If necessary, select the street.

- 5 Enter the second street name and select **Next**.


- 6 If necessary, select the street.

- 7 If necessary, select the junction.

## Finding a location using coordinates



Before you can find a location using coordinates, you must add a shortcut to the coordinates search tool ([page 13](#)).

You can find a location using latitude and longitude coordinates. This can be helpful when geocaching.

- 1 Select **Where To?** > **Coordinates**.
- 2 If necessary, select  > **Format**, select the correct coordinate format for the type of map you are using, and select **Save**.
- 3 Select the latitude coordinate.
- 4 Enter the new coordinate, and select **Done**.
- 5 Select the longitude coordinate.
- 6 Enter the new coordinate, and select **Done**.
- 7 Select **View on Map**.


### Finding a location by browsing the map

Before you can find places included in the map data, such as restaurants, hospitals and fuel stations, you must enable the map layer for places along the road (page 23).

- 1 **Select View Map.**
- 2 **Drag and zoom the map to display the area to search.**
- 3 **If necessary, select , and select a category icon to view only a specific category of places.**  
  
Location markers  (or a blue dot) appear on the map.
- 4 **Select an option:**
  - Select a location marker.
  - Select a point, such as a street, junction or address location.
- 5 **If necessary, select the location description to view additional information.**

### Find a location using quick search

After you have performed a search for a point of interest, certain categories may display a Quick Search list that displays the last four destinations you selected.


- 1 **Select Where To?.**
- 2 **Select a category, or select Categories.**
- 3 **If applicable, select a destination from the Quick Search list .**



- 4 **If necessary, select the appropriate destination.**

### Saving a home location

You can set your home location for the location you return to most often.



- 1 **Select Where To? >  > Set Home Location.**
- 2 **Select Enter My Address, Use My Current Location or Choose from Recently Found.**

The location is saved as "Home" in the Favourites menu.

### Going home

Select Where To? > Go Home.

### Editing your home location information

- 1 **Select Where To? > Favourites > Home.**
- 2 **Select  >  > Edit.**
- 3 **Enter your changes.**
- 4 **Select Done.**

### Finding recently found places

Your device stores the last 50 locations you have found.

- 1 **Select Where To? > History.**
- 2 **Select a location.**

### Clearing the list of recently found places

Select Where To? > History >  > Clear > Yes.



## Finding parking

- 1 Select **Where To?** > **Categories** > **Parking**.
- 2 Select a parking location.

## Finding lorry use points of interest



• Before you can find Lorry Use points of interest, you must add the Lorry Use shortcut to the Where To? menu.

The detailed maps loaded on your device contain lorry use points of interest, such as motorway services, roadside services and weighbridges.

Select **Where To?** > **Lorry Use**.

## Finding TruckDown points of interest



• Before you can find TruckDown points of interest, you must add the TruckDown shortcut to the Where To? menu.

The TruckDown directory lists businesses for the lorry use industry, such as lorry repair and tyre sales.



• The TruckDown directory is available on the DNX570TR, but it is not available in all areas.

Data for the directory is updated periodically.

- 1 Select **Where To?**
- 2 Select **TruckDown**.
- 3 Select a category.
- 4 If necessary, select a subcategory.
- 5 Select a destination.

## Setting a simulated location

If you are not receiving satellite signals, you can use the GPS to set a simulated location.

- 1 Select **Settings** > **Navigation**.

- 2 Select **GPS Simulator**.
- 3 From the main menu, select **View Map**.
- 4 Select an area on the map.

The address of the location appears at the bottom of the screen.

- 5 Select the location description.
- 6 Select **Set Location**.

## Saving a location

- 1 Search for a location ([page 14](#)).
- 2 From the search results, select a location.
- 3 Select
- 4 Select > **Save**.
- 5 If necessary, enter a name, and select **OK**.



## Saving your current location

- 1 From the map, select the vehicle icon.
- 2 Select **Save**.
- 3 Enter a name and select **Done**.
- 4 Select **OK**.

## Navigating to a favourite location

- 1 Select **Where To?** > **Favourites**
- 2 If necessary, select a category, or select **All Favourites**.
- 3 Select a location.
- 4 Select **Go!**

### Editing a favourite location



- 1 Select **Where To? > Favourites**
- 2 If necessary, select a category.
- 3 Select a location.
- 4 Select .
- 5 Select  > **Edit**.
- 6 Select an option:
  - Select **Name**.
  - Select **Phone Number**.
  - To assign categories to the Favourite, select **Categories**.
  - To change the symbol used to mark the Favourite on a map, select **Change Map Symbol**.
- 7 **Edit the information.**
- 8 Select **Done**.

### Assigning categories to a favourite location

You can add custom categories to organise your favourite locations.




- Categories appear in the favourite locations menu after you have saved more than 12 locations.

- 1 Select **Where To? > Favourites**
- 2 Select a location.
- 3 Select .
- 4 Select  > **Edit > Categories**.
- 5 Enter one or more category names, separated by commas.
- 6 If necessary, select a suggested category.
- 7 Select **Done**.

### Deleting a favourite location



- Deleted locations cannot be recovered.

- 1 Select **Where To? > Favourites**
- 2 Select  > **Delete Favourites**.
- 3 Select the box next to the favourite locations to delete, and select **Delete**.

# Navigation

You can create, customise and edit your routes.

## Starting a route

- 1 Search for a location (page 14).
- 2 Select a location.
- 3 Select Go!
- 4 If necessary, select a route.

## Previewing multiple routes

- 1 Search for a location (page 14).
- 2 From the search results, select a location.
- 3 Select Routes.
- 4 Use the on-screen buttons to select a route.
- 5 Select Go!

## Following a route

The route is marked with a magenta line. A chequered flag marks your destination.

As you travel, the device guides you to the destination with voice prompts, arrows on the map and directions at the top of the map. If you depart from the original route, the device recalculates the route and provides new directions.




## Your route on the map

### NOTICE

The speed limit feature is for information only and does not replace your responsibility to abide by all posted speed limit signs and to use safe driving judgement at all times. Garmin and JVC KENWOOD will not be responsible for any traffic fines or summons that you receive for failing to follow all applicable traffic laws and signs.

An icon displaying the current speed limit may appear as you travel on major roadways.

Lorry speed limits may appear when you are driving in Lorry mode based on lorry configuration data and applicable laws for the country.

When you are driving in Lorry or Motor Home mode, a tone may sound and  may appear, indicating that lorry suitability for this roadway is unknown. Always obey posted signs and regulations.







- Lorry speed limits are not available for all areas.





## Using the navigation map

- 1 From the main menu, select View Map.
- 2 If the zoom controls are hidden, select the map to display the zoom controls.
- 3 Select the map to switch to browsing mode.


Map buttons appear.

- 4 Select an option:

- To zoom in or out, select  or .
- To rotate the map view, select .
- To switch between North Up and 3-D views, select .

- To add or remove map layers, select .
- To view specific location categories, select  and select a category icon.
- To centre the map on your current location, select .
- To view shortcuts for map and navigation features, select .

## Adding a point to a route

- 1 While navigating a route, select  to return to the main menu.
- 2 Select Where To?.
- 3 Search for the location (page 14)
- 4 Select Go!.
- 5 Select Add to Active Route.

## Taking a detour

While navigating a route, you can use detours to avoid obstacles ahead of you, such as construction zones.



- If the route you are currently navigating is the only reasonable option, your device might not calculate a detour.

From the map, select  > Detour.

## Stopping the route




From the map, select .

## Updating speed limits

### NOTICE

The speed limit icon feature is for information only and does not replace the driver's responsibility to abide by all posted speed limit signs and to use safe driving judgement at all times. Garmin and JVC KENWOOD will not be responsible for any traffic fines or summons that you may receive for failing to follow all applicable traffic laws and signs

An icon displaying the current speed limit may appear as you travel on major roadways.

- 1 From the map, select  > Set Speed Limit.
- 2 Select  and  to set the speed limit.

## Using suggested routes

Before you can use this feature, you must save at least one location and enable the travel history feature (page 17).

Using the myTrends™ feature, your device predicts your destination based on your travel history, the day of the week and the time of day. After you have driven to a favourite location several times, the location may appear in the navigation bar on the map, along with the estimated time of travel and traffic information.

**Select the navigation bar to view a suggested route to the location.**





## Using exit services




- You must be on a major motorway or road to use Exit Services.

While navigating a route, you can find fuel, food, lodging and toilets near upcoming exits.


Services are listed under tabs by category.

	Fuel
	Food
	Lodging
	Toilets

### Finding exit services




- 1 From the map, select  > Exit Services.
- 2 Use the arrows to select an upcoming exit.
- 3 Select an exit service tab.
- 4 Select a point of interest.

### Navigating to an exit

- 1 From the map, select  > Exit Services > .
- 2 Select Go!

### Using Find Ahead

When upcoming exits do not have needed services, you can search farther ahead on your route.

- 1 While navigating a route, from the map select  > Exit Services.
- 2 Select an exit service tab that does not have an upcoming service match.
- 3 Select Find Ahead.
- 4 Select  >  to see more exits.
- 5 Select a service.
- 6 Select Go!

### Avoiding road features

- 1 Select Settings > Navigation > Avoidances.
- 2 Select the road features to avoid on your routes and select Save.

### Adding a custom avoidance area

Custom avoidances allow you to avoid specific areas and sections of road. You can enable and disable custom avoidances as needed.


- 1 Select Settings > Navigation > Custom Avoidances.
  - 2 If necessary, select Add New Custom Avoidance.
  - 3 Select Add Avoid Area.
  - 4 Select the upper-left corner of the area to avoid, and select Next.
  - 5 Select the lower-right hand corner of the area to avoid, and select Next.
- The selected area is shaded on the map.
- 6 Select Done.

### Avoiding a road

- 1 Select Settings > Navigation > Custom Avoidances.
- 2 Select Add Avoid Road.
- 3 Select the starting point of the section of road to avoid, and select Next.
- 4 Select the end point of the road section, and select Next.
- 5 Select Done.

### Disabling a custom avoidance



You can disable a custom avoidance without deleting it.

- 1 Select Settings > Navigation > Custom Avoidances.
- 2 Select an avoidance.
- 3 Select  > Disable.

## Deleting custom avoidances

**1** Select **Settings > Navigation > Custom Avoidances**.

**2** Select an option:

- To delete all custom avoidances, select .
- To delete one custom avoidance, select the avoidance, and select  > **Delete**.


## Enabling advanced detours

Select **Settings > Navigation > Advanced Detours**.

## Taking a detour around specified areas

You can take a detour for a specified distance along your route or detour around specific roads. This is useful if you encounter construction zones, closed roads or poor road conditions.

**1** Select a destination, and select **Go!** ([page 14](#)).

**2** From the map, select  > **Detour**

**3** Select **Next 0.5 km on Route, Next 2 km on Route, Next 5 km on Route or Detour by Road(s) on Route**.

**4** If necessary, select a road to detour around.

## Navigating off road

If you are not following roadways as you navigate, you can use Off Road mode.

**1** Select **Settings > Navigation**.

**2** Select **Calculation Mode > Off Road > Save**.


The route will be calculated as a straight line to the location.

# The map pages

You can customise which data appears on the map and view upcoming turns and current location information.

## Customising the map layers

You can customise which data appears on the map, such as icons for points of interest and road conditions.

- 1 From the map, select .
- 2 Select Map Layers.
- 3 Select which layers you want to include on the map, and select Save.

## Viewing the trip log

Your device keeps a trip log, which is a record of the path you have travelled.

- 1 Select Settings > Map & Vehicle > Map Layers.
- 2 Select the Trip Log tick box.

## Changing the map data field


- 1 From the map, select the data field in the lower left-hand corner.
- 2 Select a type of data to display.
- 3 Select Save.

## Changing the map perspective

- 1 Select Settings > Map & Vehicle > Driving Map View.
- 2 Select an option:
  - Select Track Up to display the map in two dimensions (2-D), with your direction of travel at the top.
  - Select North Up to display the map in 2-D with North at the top.
  - Select 3-D to display the map in three dimensions.

## Customising map buttons

You can include up to three icons on the right side of the main map.

- 1 Select Settings > Map & Vehicle > Map Buttons.
- 2 Select an icon, and select OK.
- 3 Select .
- 4 Select a different icon.

## Removing buttons from the map

You can remove all buttons from the right side of the map.

- 1 Select Settings > Map & Vehicle > Map Buttons.
- 2 Select an icon and touch OK.
- 3 Select Save.

## Viewing a route summary

When you are navigating a route, you can view all of the turns and manoeuvres for your entire route and the distance between turns.

**1** Select the text bar on the top of the map.

**2** Select a turn.



The details for the turn appear. If available, an image of the junction appears for junctions on major roadways.

## Viewing the entire route on the map

**1** While navigating a route, select the navigation bar at the top of the map.

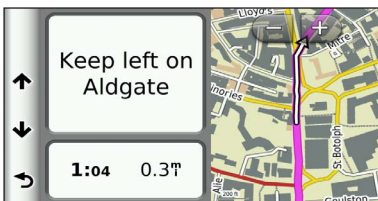
**2** Select  > Map.

## Viewing the next turn

While navigating a route, a preview of the next turn, lane change or other manoeuvre appears in the upper-left corner of the map.

The preview includes the distance to the turn or manoeuvre and the lane in which you should be travelling, if available.

From the map, select  to view the next turn on the map.



## Viewing junctions

While navigating a route, you can view the junctions on major roadways. When you approach a junction in a route, the image of that junction appears briefly, if available.

From the map, select  to view the junction, if available.



## Viewing traffic alerts

While you navigate a route, a traffic alert may appear.

Select the alert to view more information.

## Viewing trip information

The trip information page displays your present speed and provides statistics about your trip.

From the map, select  > Trip Computer.





## Resetting trip information

**1** From the map, select  > Trip Computer.

**2** Select  > Reset All.

**3** Select an option:

- When not navigating a route, select **Select All** to reset every data field, except the speedometer, on the page.
- Select **Reset Trip Data** to reset the information on the trip computer.
- Select **Reset Max. Speed** to reset the maximum speed.
- Select **Reset Trip B Distance** to reset the odometer.

## Viewing current location information

You can use the Where Am I? page to view information about your current location. This feature is helpful if you need to tell emergency personnel your location.

From the map, select  > Where Am I?.

## Finding nearby services


You can use the Where Am I? page to find nearby services, such as hospitals or police stations.

**1** From the map, select  > Where Am I?.

**2** Select a category.

## Finding directions to your current location

If you need to tell another person how to get to your current location, your device can give you a list of directions.

Select **Apps** > **Where Am I?** >  > **Directions to Me.**

# Using the apps

The Apps on your navigation system provide access to weather, trip planning, fuel reports and more.

## About Smartphone Link

Smartphone Link is a phone application that allows your navigation system to download live data using your phone data connection. Your system transfers data from Smartphone Link using Bluetooth® wireless technology.

Connecting to Smartphone Link provides access to Garmin Live Services. Garmin Live Services provides free and subscription-based plans to view live data on your device, such as traffic data, weather and fuel prices.

Favourite locations and recently found locations are synchronised with your phone each time your navigation system connects to Smartphone Link.

## Downloading Smartphone Link

Smartphone Link is available for some smartphones. See the application store for your phone for compatibility and availability information.

Download Smartphone Link from the application store on your supported phone. See your phone owner's manual for information on downloading and installing applications.

## Connecting to Smartphone Link

Before you can connect to Smartphone Link, you must download and install the Smartphone Link application on your phone.

- 1 Start Smartphone Link on your phone.**
- 2 See your other Kenwood system manuals and your phone owner's manual for connection information.**

 appears in the status bar on your device when Smartphone Link is connected.

## Sending a location from your phone

Smartphone Link is registered as a navigation application on your phone.

- 1 From your phone, select the button to start navigating to a location (see the owner's manual for your phone).**
- 2 Select Smartphone Link from the application menu.**

The next time you connect your device to your phone, the location is transferred to the recently found items on your device.

## Disabling calls while connected

While the device is connected to the phone and receiving Garmin Live Services, you can disable hands-free calling.

- 1 Select Apps > Smartphone Link.**
- 2 Select your phone.**
- 3 Clear the Hands-Free Calling tick box.**

## About Garmin Live Services

Before you can use Garmin Live Services, your device must be connected to a supported phone running Smartphone Link ([page 26](#)).

Some Garmin Live Services, like Weather, are available as separate apps on your device. Other Garmin Live Services, like Live Traffic, enhance the existing navigation features on your device. Connecting to Smartphone Link provides access to Garmin Live Services. Garmin Live Services provide free and subscription-based plans to view live data on your device, such as traffic data, weather and fuel prices.

Features that require access to Garmin Live Services display the Smartphone Link symbol  and appear only when the device is connected to Smartphone Link.

## Subscribing to Garmin Live Services

You must subscribe to Garmin Live Services using the Smartphone Link app on your phone.

- 1 Start the Smartphone Link app on your phone ([page 26](#)).**
- 2 Select Garmin Live Services.**

A list of services and subscription prices appears.
- 3 Select a service.**
- 4 Select the price.**
- 5 Select Subscribe.**
- 6 Follow the on-screen instructions.**

## About ecoRoute™

The ecoRoute™ feature calculates your vehicle fuel economy, carbon footprint and the fuel price of navigating to a destination, and offers tools for improving fuel efficiency.

The data provided by the ecoRoute™ feature is only an estimate. The data is not actually read from your vehicle. To receive more-accurate fuel reports for your specific vehicle and driving habits, calibrate the fuel economy.



• ecoRoute™ is available only in Automobile mode.

## Creating a vehicle profile

The vehicle profile provides a basis for ecoRoute™ to calculate your vehicle fuel economy.

- 1 Select Apps > ecoRoute™.**
- 2 Enter the required information, and select Next.**
- 3 Select Done.**

## Resetting your vehicle profile

- 1 Select Apps > ecoRoute™ > Vehicle Profile.**
- 2 Select Reset.**

## Calibrating fuel economy


Use this feature when you refuel to maintain an accurate fuel economy.

- 1 Select Apps > ecoRoute™ > At the Pump.**
- 2 Enter the current fuel price.**
- 3 Enter how much fuel your vehicle has used since the last time you filled up.**
- 4 Enter the distance you have travelled since the last time you filled up.**
- 5 Select Next.**

6 Select Save.

### Taking the ecoChallenge

The ecoChallenge helps you maximise your fuel economy by scoring your driving habits. The higher your ecoChallenge scores, the more fuel you save. The ecoChallenge collects data and calculates a score whenever you are moving.

The ecoChallenge  icon displays your current score on the map.

Select Apps > ecoRoute™ > ecoChallenge.



- To view detailed ecoChallenge scores, select the icon.  
The leaf colour on the driving challenge icon changes depending on your performance in the challenge.

### About ecoChallenge scores

- **Overall**—a combination of the speed, acceleration and braking score.
- **Speed**—gain points for driving at your vehicle's optimal speed for conserving fuel (45–60 mph for most vehicles).
- **Acceleration**—gain points for smooth acceleration; lose points for rapid acceleration.
- **Braking**—gain points for smooth braking; lose points for hard braking.

### Hiding your ecoChallenge score

1 Select Settings > Map & Vehicle > Map Buttons.

2 Select .

3 Select OK.

### Resetting your score

You can restart your current ecoChallenge.

1 Select Apps > ecoRoute™ > ecoChallenge.

2 Select  > Reset.

3 Select Yes.

### Viewing your fuel economy

1 Select Apps > ecoRoute™ > Fuel Economy.

The graph along the bottom shows your average fuel economy for a period of driving time.

2 Select a section of the graph to zoom in.

3 Select Reset to clear the fuel economy data.

### About the mileage report

A mileage report tracks the distance, time, average fuel economy and the fuel cost of navigating to a destination.

A mileage report is created for every route that you drive. If you stop a route on the device, a mileage report is created for the distance you travelled.

Mileage reports are created automatically when you stop or complete routes.

### Viewing a mileage report

You can view the 20 most recent mileage reports.

1 Select Apps > ecoRoute™ > Mileage Report.

2 Select a report.

To reset all report data, select Reset.

### Exporting a mileage report

1 Connect a USB mass storage device to your Kenwood unit.

2 Select Apps > ecoRoute™ > Mileage Report.

3 Select Export to export and save the reports to the USB mass storage device.

## Setting routes that use less fuel



- Less Fuel is available only in Automobile mode.

- 1 Select **Settings > Navigation > Calculation Mode**.
- 2 Select **Less Fuel**.

## Viewing the weather forecast



- This feature is not available in all areas.

Before you can use this feature, your device must be connected to a supported phone running Smartphone Link ([page 26](#)).

- 1 Select **Apps > Weather**.

The forecast for your current location appears.

- 2 Select a day.

The detailed forecast for that day appears.

## Viewing weather near a different town

- 1 Select **Apps > Weather > Current Location**.

- 2 Select an option:

- To view weather for a favourite town, select a town in the list.
- To add a favourite town, select **Add Town**, and enter a town name.

## Viewing the weather radar


You can view an animated, colour-coded radar map of current weather conditions, as well as a weather icon on the map. The weather icon changes to show weather in the vicinity, such as rain, snow and thunderstorms.

- 1 Select **Apps > Weather**.
- 2 If necessary, select a town.

- 3 Select  > **Weather Radar**.

## Viewing weather alerts

While you are travelling with your device, weather alerts may appear on the map. You can also view a map of weather alerts near your current location or near a selected town.


- 1 Select **Apps > Weather**.
- 2 If necessary, select a town.
- 3 Select  > **Weather Alerts**.

## Checking road conditions

- 1 Select **Apps > Weather**.
- 2 If necessary, select a town.
- 3 Select  > **Road Conditions**.

## Planning a trip

You can use the trip planner to create and save a trip with multiple destinations.

- 1 Select **Apps > Trip Planner**.
- 2 Select **New Trip**.
- 3 Select **Select Start Location**.
- 4 Search for a location ([page 14](#)).
- 5 Select **Select**.
- 6 To add additional locations, select .
- 7 Select **Next**.
- 8 Enter a name and select **Done**.

## Editing a trip itinerary

- 1 Select **Apps > Trip Planner**.

**2 Select a saved trip.**

**3 Select an option:**

- To change the arrival or departure time, select a location in the trip.
- To record how long you will stay at a location, select a location in the trip, and select **Duration**.
- To view the trip on the map, select **Map**.

**Navigating to a saved trip**

**1 Select Apps > Trip Planner.**

**2 Select a saved trip.**

**3 Select Go!.**

**4 If prompted, select a route.**

**Editing a saved trip**

**1 Select Apps > Trip Planner.**

**2 Select a saved trip.**

**3 Select .**

**4 Select an option:**

- Select **Rename Trip**.
- Select **Edit Destinations** to add and delete locations, or to change the order of locations.
- Select **Delete Trip**.
- Select **Optimise Order** to arrange the stops on your trip in the most efficient order.

**Viewing previous routes & destinations**

Before you can use this feature, you must enable the travel history feature ([page 38](#)).

You can view your previous routes and places where you have stopped on the map.

**Select Apps > Where I've Been.**

**Using the world clock**

**1 Select Apps > World Clock.**

**2 If necessary, select a town, enter a town name and select Done.**

**Viewing the world map**

Select Apps > World Clock > .

Night-time hours appear in the shaded area of the map.

**Using the calculator**

Select Apps > Calculator.

# Traffic information

Using the built-in receiver, the navigation system can receive and use traffic information. When a traffic message is received, you can see the event on the map and change your route to avoid the traffic incident.



- Traffic information is not available in all areas.

## NOTICE

Garmin and JVC KENWOOD are not responsible for the accuracy or timeliness of the traffic information.

Traffic information may not be available in all areas or countries.

### Traffic subscription activation (DNX570TR)

You can purchase traffic subscriptions for regions or countries. Go to [www.garmin.com/kenwood](http://www.garmin.com/kenwood) for more information.

### Traffic subscription activation (DNX4230TR)

You do not need to activate the subscription included with your navigation system. The subscription activates automatically after your system acquires satellite signals while receiving traffic signals from the pay service provider.

### Understanding traffic

Your navigation system can receive traffic information using the built-in traffic receiver or a traffic subscription from Garmin Live Services ([page 27](#)). The traffic receiver must be in data range of a station transmitting traffic data to receive traffic information. You can add other subscriptions at any time. For information about traffic receivers and coverage areas, go to [www.garmin.com/kenwood](http://www.garmin.com/kenwood).

### Traffic data using Smartphone Link



- This feature is not available in all areas.

You can purchase a traffic subscription to receive traffic data using Smartphone Link. When your navigation system is connected to Smartphone Link and within a traffic coverage area, your system will begin displaying traffic information.

- 1 From your phone, purchase a traffic subscription from Garmin Live Services ([page 27](#)).
- 2 Connect your device to Smartphone Link ([page 26](#)).


### About the traffic icon

When you are receiving traffic information, a traffic icon appears on the Map. The traffic icon changes colour to indicate the severity of traffic conditions.

Colour	Description	Meaning
Green	Low severity	Traffic is flowing normally.
Yellow	Medium severity	Traffic is slightly congested.
Red	High severity	Traffic is heavily congested or stopped.
Grey	No data	Traffic data has not updated.

## Traffic on your route

When calculating your route, the navigation system examines the current traffic and automatically optimises the route for the shortest time. If a severe traffic delay occurs on your route while you are navigating, your navigation system automatically recalculates the route.

The traffic icon  changes colour to indicate the severity of traffic conditions on your route or on the road you are currently travelling.

Your navigation system may route you through a traffic delay if a better alternative route does not exist. The delay time is added into your estimated time of arrival automatically.

## Viewing traffic on your route

1 While navigating a route, select .

2 Select Traffic on Route.

A list of traffic events appears, organised by their location on the route.

3 Select an event.

## Manually avoiding traffic on your route


1 From the map, select .

2 Select Traffic On Route.

3 If necessary, use the arrows to view other traffic delays on your route.

4 Select  > Avoid.

## Taking an alternative route

1 While navigating an automobile route, select .

2 Select Alternative Route.

3 Select a route.

## Viewing traffic on the map

The traffic map shows colour-coded traffic flow and delays on nearby roads.

1 From the map, select .

2 Select Traffic Conditions.

## Searching for traffic delays

1 From the map, select .

2 Select Traffic Conditions > .

3 Select an item in the list.

4 If there is more than one delay, use the arrows to view additional delays.

## Viewing a traffic incident on the map

1 From the map, select .

2 Select Traffic Conditions.

3 Select a traffic icon.

## Understanding traffic data

The traffic legend explains the icons and colours used on the traffic map.

1 From the map, select .

2 Select Traffic Legend.



## About traffic cameras



• This feature is not available in all areas.

Before you can use this feature, you must subscribe to the photoLive service, and your device must be connected to a supported phone running Smartphone Link ([page 26](#)).

Traffic cameras provide live images of traffic conditions on major roadways and junctions. You can save cameras that you want to view regularly.

## Saving a traffic camera

- 1 Select **Apps > myCameras**.
- 2 Select **Touch to Add**.
- 3 Select a road.
- 4 Select a junction.
- 5 Select **Save**.

## Viewing a traffic camera

Before you can view a traffic camera, you must save a traffic camera.

- 1 Select **Apps > myCameras**.
- 2 Select a camera.

## Adding a traffic subscription

You can purchase traffic subscriptions for other regions or countries.

- 1 From the main menu, select **Traffic**.
- 2 Select **Subscriptions > +**.
- 3 Write down the FM Traffic Receiver unit ID.
- 4 Go to [www.garmin.com/fmtraffic](http://www.garmin.com/fmtraffic) to purchase a subscription and get a 25-character code.

The traffic subscription code cannot be reused. You must obtain a new code each time you renew your service. If you own multiple FM traffic receivers, you must obtain a new code for each receiver.

- 5 Select **Next on the device**.
- 6 Enter the code.
- 7 Select **Done**.

# Lorry use features

## About IFTA logging



- This feature is available on the DNX570TR, but it is not available in all areas.

You can archive data needed for International Fuel Tax Agreement documentation (IFTA), such as fuel-purchase data and miles driven.

Before you can use IFTA logging, you must be in Lorry mode.

## Entering fuel data

- 1 Select **Apps > IFTA Logging > At the Pump**.
- 2 Enter the fuel price per gallon.
- 3 Select the **Fuel Used** field.
- 4 Enter the amount of fuel purchased.
- 5 If necessary, select an option:
  - To record the amount in litres, select **Litres > Gallons > Save**.
  - To record the amount in gallons, select **Gallons > Litres > Save**.
- 6 If necessary, select the **Tax Included** tick box.
- 7 Select the petrol station where you refuelled.

## Editing fuel logs

- 1 Select **Apps > IFTA Logging > Fuel Logs**.
- 2 If necessary, select a lorry.
- 3 If necessary, select a quarter.
- 4 Select a log.
- 5 Select an option:
  - Select a field to edit the information.
  - Select > Yes to delete the log.

## Exporting a jurisdiction summary

- 1 Select **Apps > IFTA Logging > Jurisdiction Summary**.
- 2 If necessary, select a lorry.
- 3 If necessary, select a quarter.
- 4 Connect a USB mass storage device to your Kenwood unit.
- 5 Select **Export > OK** to export a jurisdiction summary.

The device exports the summary to a .csv file and stores it in the Reports folder on the USB mass storage device.

## Editing and exporting trip reports

- 1 From the main menu, select **Apps > IFTA Logging > Trip Reports**.
- 2 If necessary, select a lorry.
- 3 If necessary, select a quarter.
- 4 Select a report.
- 5 Select an option:
  - Select > **Delete**, and select the tick box to delete a report.
  - Select > **Combine**, and select the tick box to combine reports.
  - Select > **Export > OK**. The device exports the report to a .csv file and stores it in the Reports folder on the USB mass storage device.

## About hours of service

### NOTICE

Although this device is enabled to record hours-of-service information, this device is NOT an approved substitute for paper logbook recording requirements under Federal Motor Carrier Safety Administration regulations. Drivers should comply with all applicable paper logbook requirements.



- This feature is available on the DNX570TR, but it is not available in all areas.
- Before you can use Hours of Service, you must be in Lorry mode and you must create a driver profile. You can use Hours of Service to record your working hours, which may help you comply with safety regulations.

## Recording your duty status

### 1 Select Apps > Hours of Service.

### 2 Select a driver.

### 3 Select Duty Status.

### 4 Select an option:

- Select **Off Duty** to record the time you are off duty.
- Select **Sleeper** to record the time you are resting in a sleeper berth.
- Select **Driving** to record the time you are driving a commercial motor vehicle in operation.
- Select **On Duty** to record the time you are on duty, but not driving a commercial motor vehicle.
- Select **Passenger Seat** to record the time a second driver is in the passenger seat but is not on duty.



- A driver can be in passenger seat status for up to two hours immediately after or before eight consecutive hours in the sleeper berth.

### 5 Select Save.



- Duty Status is automatically set to Off Duty when turning off the device.

## About drivers

If you work for more than one carrier in a 24-hour period, you must record each carrier. You must record the time zone of your home terminal even if you cross other time zones.

## Adding drivers

### 1 Select Apps > Hours of Service.

### 2 Select a .

### 3 Follow the on-screen instructions.


## Managing driver information

### 1 Select Apps > Hours of Service.

### 2 Select a driver.

### 3 Select Driver Info.

### 4 Select an option:

- To edit the information, select a field.
- To delete the driver, select  > Delete Driver > Yes.


## Using driver logs

### 1 Select Apps > Hours of Service.


### 2 Select a driver.

### 3 Select View Log.

### 4 Select an option:

- To view a different date, select the date at the top of the screen.
- To view status details, select the field beside a status bar.
- To edit, select the grid, and select a field.
- To view violation information, select .

## Adding shipments

- 1 Select Apps > Hours of Service.
- 2 Select Manage Shipments > .
- 3 Select View Log.
- 4 Enter the reference information, and select Done.

The reference number is the shipping document number or the name of the company and group you are transporting.

- 5 If necessary, select Start Day.
- 6 If necessary, select End Day.
- 7 Select Save.

- 4 Select Export Log.


- 5 If necessary, enter your tractor number, tractor VIN and trailer number.
- 6 If necessary, select a log to export.
- 7 If necessary, select the location in which the log should be exported.

The device exports the log to a .csv file and stores it in the Reports folder on the USB mass storage device.


## Managing shipments



- This feature is available on the DNX570TR, but it is not available in all areas.

- 1 Select Apps > Hours of Service.
- 2 Select a driver.
- 3 Select Manage Shipments.
- 4 Select a shipment.
- 5 Select an option:
  - To edit the shipment information, select a field.
  - To delete the shipments, select  > Delete Shipments > OK.

## Exporting drive logs

- 1 Connect a USB mass storage device to your Kenwood unit.
- 2 Select Apps > Hours of Service.
- 3 Select Manage Shipments > .

# Customising the settings

You can customise the settings of your GPS navigation system.

## Adding lorry or motor home profiles

### WARNING

Entering your vehicle profile does not guarantee that your vehicle's characteristics will be accounted for in all route suggestions. It is your responsibility to account for your vehicle's height, length, weight and other relevant restrictions when driving. Always defer to all posted road signs and road condition when making driving decisions.

**1 Select Settings > Lorry Profile.**

**2 Select a profile type.**

- Select **Lorry** to add a lorry profile.
- Select **Motor Home** to add a Motor Home profile.

**3 Select .**

**4 If necessary, select Units to change the units of measurement.**

**5 Follow the on-screen instructions.**

## Activating lorry or motor home profiles

Before you can activate a profile, you must add the profile. The device calculates routes based on the width, length, height, weight and other settings for the active profile.

**1 Select Settings > Lorry Profile.**

**2 Select a profile type.**

- Select **Lorry** to add a lorry profile.
- Select **Motor Home** to add a Motor Home profile.

**3 Select the profile.**

**4 Select Select Profile.**

## Editing lorry or motor home profiles

Before you can delete a profile, you must activate a different profile.

**1 Select Settings > Lorry Profile.**

**2 Select a profile, and select .**

**3 Select Edit or Delete.**

## Changing the map settings

**Select Settings > Map & Vehicle.**

- **Vehicle**—select **Change** to change the icon used to display your position on the map. Select the icon you want to use, and select **Save**.
- **Driving Map View**—select a map perspective.
- **Map Detail**—adjust the amount of detail shown on the map. More detail may cause the map to redraw slower.
- **Map theme**—changes the colour of the map data.
- **Map Buttons**—sets which icons are included on the map. Up to three icons can be included on the map.
- **Map Layers**—sets the data that appears on the map.
- **Dashboards**—sets the map dashboard layout.
- **myMaps**—sets which installed maps the device uses.

## Enabling maps

**1 Select Settings > Map & Vehicle > myMaps.**

**2 Select a map.**

## Changing the navigation settings

### Select Settings > Navigation.

- **Calculation Mode**—sets route preference.
- **Avoidances**—sets road features to avoid on a route.
- **Custom Avoidances**—allows you to avoid specific roads or areas.
- **Advanced Detours**—sets the length of a detour.
- **Safe Mode**—disables all functions that require significant operator attention and could become a distraction while driving.
- **GPS Simulator**—stops the device from receiving a GPS signal, and saves battery power.

## Adjusting the display settings

### Select Settings > Display.

- **Colour Mode**—select **Day** for a light background, **Night** for a dark background or **Auto** to automatically switch between the two.

## Route preferences

### Select Settings > Navigation > Calculation Mode.

The route calculation is based on road speeds and vehicle acceleration data for a given route.

- **Faster Time**—calculates routes that are faster to drive, but can be longer in distance.
- **Shorter Distance**—calculates routes that are shorter in distance, but can take more time to drive.
- **Less Fuel**—calculates routes that could use less fuel than other routes.
- **Off Road**—calculates a direct line from your location to your destination.



- Less Fuel is available only in Automobile mode.

## Updating the time settings

### Select Settings > Units & Time.

- **Current Time**—select **Automatic** to update the time automatically. When Automatic is not selected, you can adjust the time in 15-minute increments.
- **Time Format**—select a 12-hour, 24-hour or UTC time format.
- **Units**—sets the unit of measurement used for distances.

## Setting the languages

### Select Settings > Language & Keyboard.

- **Voice Language**—select a voice for the voice prompts.
- **Keyboard Language**—sets the language for your keyboard.
- **Keyboard Layout**—sets the keyboard layout.


## Adding security

### Select Settings > Navigation > Safe Mode.

- **Safe Mode**—turn safe mode on or off. When your vehicle is moving, safe mode disables all functions that require significant operator attention and could become a distraction while driving.


## Device and privacy settings

### Select Settings > Device.

- **About**—displays the software version number, the unit ID number and information on several other software features.  
A small speech bubble icon containing three horizontal lines, used to denote a tip or important note.
- You need this information when you update the system software or purchase additional map data (page 41).
- **Travel History**—allows the device to record information for the myTrends (page 20), Where I've Been (page 30) and Trip Log features.
- **Clear Travel History**—clears all travel history for the myTrends (page 20), Where I've Been (page 30) and Trip Log features.

### Restoring settings

You can restore a category of settings or all settings to the factory default values.

- 1 Select Settings.**
- 2 If necessary, select a settings category.**
- 3 Select  > Restore.**

# Appendix














This appendix provides additional information about your navigation system, such as how to update the software and map data.

## Warning icons





### ⚠ WARNING

Entering your vehicle profile characteristics does not guarantee that your vehicle's characteristics will be accounted for in all route suggestions or that you will receive the warning icons in all cases. Limitations may exist in the map data such that your device cannot account for these restrictions or road conditions in all cases. Always defer to all posted road signs and road conditions when making driving decisions.



## Restriction warnings

	Height
	Weight
	Axle Weight
	Length
	Wide
	No Lorries Allowed
	No Trailers Allowed
	No Hazardous Materials Allowed
	No Flammables Allowed
	No Water Pollutants Allowed
	No Left Turn
	No Right Turn
	No U-Turn

## Road condition warnings

	Risk of Grounding
	Lateral Wind
	Narrow Road
	Sharp Curve
	Steep Down Hill
	Tree Overhang

## Other warnings

	Weighbridge
	Road not Verified for Lorries

## Updating the software

Before you can update the navigation system software, you must have a USB mass storage device and an Internet connection.

- 1 Go to [www.garmin.com/kenwood](http://www.garmin.com/kenwood).
- 2 Select Update.
- 3 Follow the on-screen instructions.



## Updating the map data

You can purchase updated map data from Garmin or ask your Kenwood dealer or Kenwood service centre for details.

- 1 Go to [www.garmin.com/kenwood](http://www.garmin.com/kenwood).
- 2 Select **Update**.
- 3 Follow the on-screen instructions.

### WARNING

Garmin and JVC KENWOOD are not responsible for the accuracy of, or the consequences of using, a safety camera database.



• This feature is not available in all areas.

Safety camera information is available in some locations. Go to <http://my.garmin.com> for availability. For these locations, the navigation system includes the locations of hundreds of safety cameras. Your navigation system alerts you when you are approaching a safety camera and can warn you if you are driving too fast. The data is updated at least weekly, so you always have access to the most up-to-date information.

You can purchase a new region or extend an existing subscription at any time. Each region that you purchase has an expiry date.

## Custom POIs (points of interest)

You can manually load custom points of interest (POI) databases, available from various companies on the Internet. Some custom POI databases contain alert information for points such as safety cameras and school zones. The navigation system can notify you when you approach one of these points. You are responsible for ensuring that your use of safety camera information is lawful in your area.

### WARNING

Garmin and JVC KENWOOD are not responsible for the consequences of using custom POI databases, or for the accuracy of custom POI databases.

After downloading your POI database, use the Garmin POI Loader to install the POIs onto a USB mass storage device. Use the USB mass storage device to load the POIs. The POI Loader is available at [www.garmin.com/products/poiloader](http://www.garmin.com/products/poiloader). Refer to the POI Loader Help file for more information; click **Help** to open the Help file.



- Each time you load custom POIs to the navigation system, any other custom POIs already saved in the system will be overwritten.

## Installing POI Loader software

You can create or download custom POI lists on your computer and install them on your device using POI Loader software.

- 1 Go to <http://www.garmin.com/extras>.
- 2 Click **Services > POI Loader**.
- 3 Install the POI Loader onto your computer.

## Using the POI Loader Help files

For more information on the POI Loader, refer to the Help file.

**With the POI Loader open, click Help.**

## Finding custom POIs

- 1 Select **Where To? > Categories > Custom POIs**.
- 2 Select a category.

For the latest free software updates (excluding map data) throughout the life of your Garmin products, visit the Garmin Web site at [www.garmin.com/kenwood](http://www.garmin.com/kenwood).



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