KENWOOD

GPS NAVIGATION SYSTEM

DNX5220BT
DNX5220

GPS NAVIGATION
INSTRUCTION MANUAL

Kenwood Corporation

Contents

Icons used in this manual

⚠

Important precautions are described to prevent injuries etc.

⌨

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

Safety Precautions and Important Information

Read this information carefully before starting to operate the Kenwood Car Navigation System and follow the instructions in this manual. Neither Kenwood nor Garmin shall be liable for problems or accidents resulting from failure to observe the instructions in this manual.

⚠WARNINGS

To prevent injury or fire, take the following precautions:

- To prevent a short circuit, never put or leave any metallic objects (such as coins or metal tools) inside the unit.
- Do not watch or fix your eyes on the unit's display when you are driving for any extended period.
- Mounting and wiring this product requires skills and experience. For safety's sake, leave the mounting and wiring work to professionals.

Failure to avoid the following potentially hazardous situations could result in an accident or collision resulting in death or serious injury.

When navigating, carefully compare information displayed on the navigation system to all available navigation sources, including information from street signs, visual sightings, and maps. For safety, always resolve any discrepancies or questions before continuing navigation.

Always operate the vehicle in a safe manner. Do not become distracted by the navigation system while driving, and always be fully aware of all driving conditions. Minimize the amount of time spent viewing the screen of the navigation system while driving, and use voice prompts when possible.

Do not enter destinations, change settings, or access any functions requiring prolonged use of the navigation system controls while driving. Stop your vehicle in a safe and legal manner before attempting such operations.

Keep the system volume at a low enough level to be able to hear outside noises while driving. If you can no longer hear outside noises, you may be unable to react adequately to the traffic situation. This may cause accidents.

The navigation system will not display the correct current position of the vehicle the first time it is used after purchase, or if the vehicle battery is disconnected. GPS satellite signals will soon be received, however, and the correct position will be displayed.

Be careful of the ambient temperature. Using the navigation system at extreme temperatures can lead to malfunction or damage. Also note that the unit can be damaged by strong vibration, by metal objects, or by water getting inside the unit.

⚠CAUTIONS

Failure to avoid the following potentially hazardous situations may result in injury or property damage.

The navigation system is designed to provide you with route suggestions. It does not reflect road closures or road conditions, traffic congestion, weather conditions, or other factors that may affect safety or timing while driving.

Use the navigation system only as a navigational aid. Do not attempt to use the navigation system for any purpose requiring precise measurement of direction, distance, location, or topography.

The Global Positioning System (GPS) is operated by the United States government, which is solely responsible for its accuracy and maintenance. The government system is subject to changes that could affect the accuracy and performance of all GPS equipment, including the navigation system. Although the navigation system is a precision navigation device, any navigation device can be misused or misinterpreted and, therefore, become unsafe.

IMPORTANT INFORMATION

Vehicle Battery Preservation

This navigation system can be used when the ignition key is turned to ON or ACC. To preserve the battery, however, it should be used with the engine running whenever possible. Using the navigation system for a long time with the engine switched off can cause the battery to run down.

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Getting Started

The first time you use your Kenwood Navigation System, you need to set up your system.

First Time Setup

These are the steps that you need to complete to set up the system. These steps normally have to be performed only once.

• Select a language.
• Select your current time zone.
• Select whether you want your system to auto-adjust for daylight saving time.
• Select your preferred units of measure (statute or metric).

Please select your preferred language.
1 American English
2 ✓ British English
3 Cesky
4 Dansk
Skip   Next   ▲   ▼
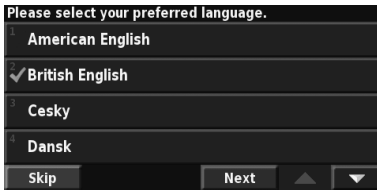
Find It and Go!

Follow the instructions on the next two pages to find a place and go to it!

Finding a Restaurant

1 Touch Where To?.

	8:50
Where To?	
View Map	
	Tools Settings

2 Touch Food, Hotel….

Find - Near Here

Address	Food, Hotel . . .
Streets & Cities	Extras
My Locations	Recent Finds
Back	Browse Map Go Home

3 Touch Food & Drink.

Food, Hotel . . .

Search All	Food & Drink
Lodging	Fuel
ATM/Bank	Shopping
Back	

4 Touch a food category.

Select Food Category

All Categories	American
Asian	Barbecue
Chinese	Deli/Bakery
Back	

5 Touch a place.

Near Here

Suntory	0.5ᵏₘ NW
Mitsukoshi	0.5ᵏₘ N
Blue Lagoon	0.6ᵏₘ N
Matsuri	0.6ᵏₘ NW
Back Spell Near...	▲ ▼

6 Touch Go To.

Food & Drink: Asian

W1
HOL
LEICESTER SO
MAYFAIR   LONDON
500ᵐ   WESTMINSTE

Blue Lagoon

23 Haymarket
Sw1, London SW1Y 4
020-79307800

Back	Advanced Go To

Following Your Route

Follow the route to your destination using the map. As you travel, the navigation system guides you to your destination with voice prompts, arrows, and directions along the top of the map. If you depart from the original route, the navigation system recalculates the route and provides new route instructions.
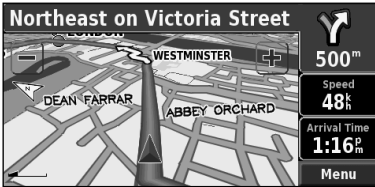
Your route is marked with a highlighted line. The default line color is green.

Follow the arrows.

A checkered flag marks your destination.

For more information about using the map and the other tools, see pages 15-16.
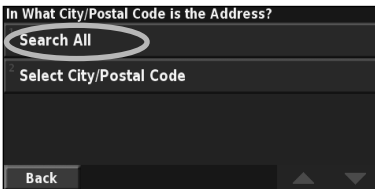
Where To?

The Where To? menu provides several categories to help you quickly find your destination. Use the Where To? menu to perform a simple search.

Finding an Address

1 From the Menu page, touch 🔍 Where To? > Address.

```
Find - Near Here
  🔍 Address          🏨 Food, Hotel . . .
  🏔 Streets & Cities  🕐 Extras
  ⭐ My Locations      🖼 Recent Finds
  Back      Browse Map      Go Home
```

2 Select a country. Touch Search All or select a city.

```
In What City/Postal Code is the Address?
  Search All
  Select City/Postal Code


  Back                      ▲   ▼
```

3 Enter the address number and touch Done.

```
Enter Address Number
71|                          ◀   Shift
  1   2   3   +                  ▲
  4   5   6   -
  7   8   9   0                  ▼
  Back      A B C    1 2 3    Done
```

4 Enter the street name and touch Done.

```
Enter Street
KEN|                         ◀   Shift
  A  B  C  D  E  F  G  H  I
  J  K  L  M  N  O  P  Q  R
  S  T  U  V  W  X  Y  Z  ⎵
  Back    A B C    1 2 3    Done
```

5 Select the street. Select the city, if necessary.

```
Select Street
  Kennington Park Road


  Back                      ▲   ▼
```
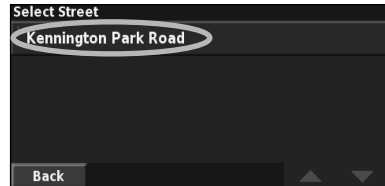
6 Select the address, if necessary. Touch Go To.

```
Address
                          71 Kennington Park
  LONDON                  Road
                          Sw9, London SW9 0,
                          England

                          Road Category: Minor
  Back          Advanced      Go To
```
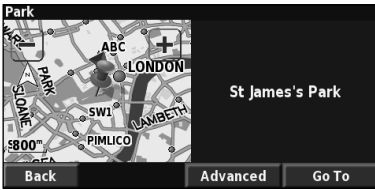
Finding a Place Using the Map

1 From the Menu page, touch 🗺 View Map. You can also touch 🔍 Where to? > Browse Map. Touch anywhere on the map to recenter the map on that location.

2 Touch any object on the map. Touch Review.

```
                              HORSE
                              GUARDS
  QUEENS WALK
            ST JAMES   St James's Park  10 DOWNING
            PARK                        STREET
                                        DERBY
  120ᵐ          BIRDCAGE WALK    BRIDGE
  SPUR RO
  Back      Save As Favorite      Review
```
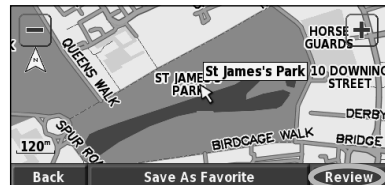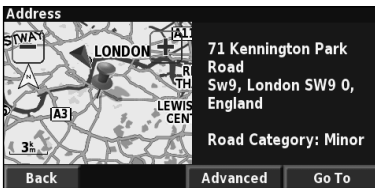
3 **Touch Go To or Advanced.**

- Touch the ➕ and ➖ icons to zoom in and out.
- Touch an object on the map. The map recenters on that location, and an arrow appears, pointing at the object you selected.
- Touch **Review** to open the information page for the location; for more information, see the following section.
- Touch **Save As Favorite** to save the location selected by the pointer to your Favorites.
- Touch **Back** to return to the previous screen.

Understanding the Information Page

When you find a location, select it in the search results list to open the information page for the item.

Information Page

Touch **Go To** to create and follow a route to this location.

Touch **Advanced** to view other options for this location:

- **Insert in Current Route**—add this point as the next stop in your route.
- **Add As Favorite**—add this location to your Favorites. For more information, see the next page.
- **Find Near Point**—find a location near this point.
- **Browse Map**—view this location on the map.

Finding Recently Found Places

The last 50 places you have found are stored in Recent Finds.

1 **Touch Where To? > Recent Finds.**

2 **Select an item from the search results list.**

Touch **Category** to display recent finds from a certain category, such as **Food, Hotel…**.

Finding Places in a Different Area

You can search for locations in a different area, such as a different city or near your destination.

1 **From the search results list, touch Near….**

2 **Select one of the search options.**

Narrowing Your Search

To narrow your search, you can spell part of the name of the location you are searching for.

1 **From the search results list, touch Spell.**

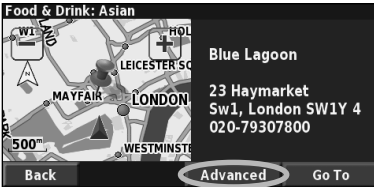**2** **Enter part of the name and touch Done.**

My Locations

You can save all of your favorite places in My Locations. You can also save your home location in My Locations.
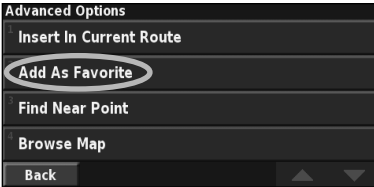
Saving Places You Find

After you have found a place you want to save, select it from the results list.
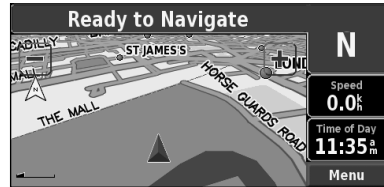
1 **Touch Advanced.**

2 **Touch Add As Favorite.**

Saving Your Current Location

From the Menu page, touch [icon] **View Map**.

1 **Touch anywhere on the map.**

2 **Touch Save As Favorite.**

Setting a Home Location

You can set a Home Location for the place you return to most often. From the Menu page, touch **Where To?**.

1 **Touch Go Home.**

2 **Select an option.**

3 **Touch Save Home.**

After you set your Home Location, touch **Where To?** and then touch **Go Home**.

Finding Saved Places

From the Menu page, touch **Where To?**.

1 **Touch My Locations.**

2 **Touch Favorites.**

3 **Touch a saved place.**

Editing Saved Places

From the Menu page, touch **Tools** > **My Data** > **Favorites**.

1 **Touch Edit/Review Favorites.**

2 **Touch the item you want to edit.**

3 **Touch Edit.**

4 **Touch the item you want to edit.**

- **Name**—enter a new name for the location using the on-screen keyboard.
- **Location**—edit the location of the place. You can use the map or enter new coordinates using the keyboard.
- **Elevation**—enter the elevation of the saved place.
- **Category**—assign this place to a category. Touch ▲ to view the categories.
- **Symbol**—select a symbol that is shown on the map for this location.

Deleting a Saved Place

From the Menu page, touch **Tools** > **My Data** > **Favorites**.

1 **Touch Delete Favorites.**

2 **Touch By Selection.**

- **By Selection**—touch each location and delete it individually.
- **By Category**—select one category to delete all of the locations assigned to that category.
- **Delete All**—removes all saved places from your Favorites.

3 **Touch a saved location.**

4 **Touch Delete.**

The Map and Other Tools

This section provides details about the Map Page, the Trip Computer, the Turn List, and the GPS Info Page.

Viewing the Map Page

From the Menu page, touch **View Map** to open the map. Touch an area of the map to see additional information, as shown below. The position icon ▲ shows your current location.
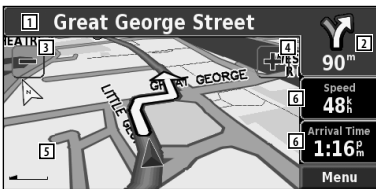
Map Page while Navigating a Route

1 While navigating a route, touch the text bar to open the Turn List. See page 16.
2 Distance to the next turn.
3 Touch ▬ to zoom out.
4 Touch ➕ to zoom in.
5 Touch the map to view and browse a 2-D map.
6 Touch the **Speed** or **Arrival Time** data field to open the Trip Computer.

⊜
• A speed limit icon may appear as you travel on major roadways. The icon displays the current speed limit of the roadway.

Trip Computer

The Trip Computer indicates your current speed and provides helpful statistics about your trip.

To view the Trip Computer, select **Speed** or **Arrival** on the map. Or, from the Menu page, touch **Tools** > **Trip Computer**.

1 Current direction of travel
2 Current speed
3 Distance to your final destination
4 Total distance traveled (odometer)
5 Touch **Reset Trip** to reset all information on the Trip Computer.
6 To reset the Maximum Speed, touch **Reset Max**.

Turn List

The Turn List displays a list of turn-by-turn instructions for your entire route, as well as arrival information.

While navigating a route, touch the text bar on the map page to open the Turn List. Or, from the Menu page, touch **Tools** > **Turn List**.

Distance to Arrival	Arrival Time	Time to Arrival
4.3^k_m	10:46^a_m	07:19

1️⃣ 200ᵐ 🡒 Turn right on Horse Guards Road 3️⃣ 00:13

2️⃣ 750ᵐ 🡐 Turn left on Great George Street   01:09

| Back | Edit Route | View All |

1️⃣ Direction of this turn
2️⃣ Distance to this turn
3️⃣ Turn directions

• Touch **View All** to see all the turns on the route. Touch ▼ and ▲ to scroll through the list.
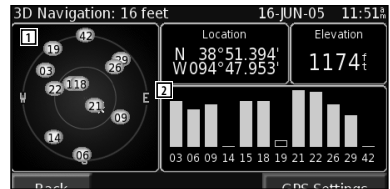• Touch a turn to see the turn on a map (the Next Turn page).

Keep right on Grosvenor Place

Distance	Time Till Turn
900ᵐ	01:09

Back
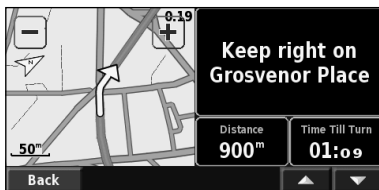
Next Turn Page

• Touch ▼ and ▲ to scroll through all the turns on the route. Touch ➕ and ➖ to zoom in and out of the turn on the map.

GPS Info Page

From the Menu page, touch the signal strength bars in the upper left corner to view the GPS Info page. Or, from the Menu page, touch **Tools** > **GPS Info**.

3D Navigation: 16 feet   16-JUN-05 11:51ₐ

Location	Elevation
N 38°51.394' W094°47.953'	1174

1️⃣ Sky view
2️⃣ Satellite signal-strength bars

The sky view shows the satellites you are receiving. The satellite signal-strength bars indicate the strength of each satellite you are receiving. A solid bar indicates the GPS satellite is ready for use.

GPS Settings

From the Menu page, touch **Settings** > **General** > **GPS**. You can also access the GPS Settings by touching the **GPS Settings** button on the GPS Info page.

• **Simulator Mode**—touch **Off** to turn the GPS receiver off.
• **Set Position**—set your position, if Use Indoors is enabled. Select your location on the map and touch **OK**.
• **WAAS/EGNOS**—disable and enable WAAS/EGNOS. WAAS and EGNOS are systems of satellites and ground stations that provide GPS signal corrections, giving you even better position accuracy. To learn about WAAS and EGNOS, visit www.garmin.com/aboutGPS/waas.html.

Creating and Editing Routes

This section describes how to create and customize your routes.

Creating a New Saved Route

From the Menu page, touch **Tools** > **My Data** > **Routes**.

 1 Touch Create New Saved Route.

 2 Select an option and touch Next. Select the starting point.

 3 Select an option and touch Next. Select the ending point.

 4 To add a stop, touch Yes, then touch Next. Select the point.

 5 Select your sorting and route calculation preferences and touch Next.

 6 Touch Finish.

Editing a Saved Route

From the Menu page, touch **Tools** > **My Data** > **Routes**.

 1 Touch Edit/Review Routes.

 2 Touch the route to edit.

 3 Touch Edit.

 4 Touch the item to edit.

* **Rename**—enter a new name for the route using the on-screen keyboard.
* **Edit/Review Points**—add, arrange, remove, reorder, and review points in the route. For more information, see the following section.
* **Change Preference**—change your calculation preference to Faster Time, Shorter Distance, or Off Road.
* **Delete Route**—delete this route.

Adding an Intermediate Destination Point to Your Route

You can add intermediate destination points (stops) to your route as you create it. You can also add points to your route when you edit the route, as described below. Follow the steps in the previous section to begin editing the route.

 1 Touch Edit/Review Points.

 2 Touch Add.

 3 Touch where you to want to add the point.

 4 Touch a method and then select the point.

 5 Add points as necessary. Touch Done when finished.

* **Auto Arrange**—arranges the points to provide the shortest route.
* **Remove**—touch the point you want to remove and then touch **Remove**.
* **Re-Order**—touch the point to move and touch **Move Up** or **Move Down**. Touch **Done** when finished.
* **Review**—allows you to view the information page for any point along the route. For details on the information page, see page 12.

Saving the Active Route

From the Menu page, touch **Tools** > **My Data** > **Routes** > **Save Active Route**.

Navigating a Saved Route

From the Menu page, touch **Tools** > **My Data** > **Routes** > **Navigate Saved Route**. Touch the route you want to navigate.

Recalculating the Route

From the Menu page, touch **Tools** > **My Data** > **Routes** > **Recalculate Route**.

Deleting All Saved Routes

From the Menu page, touch **Tools** > **My Data** > **Routes** > <kbd>▼</kbd> > **Delete All Saved Routes**.

Stopping Your Route

From the Menu page, touch **Stop**. Then touch **Yes**.

Adding a Detour to a Route

If you need to take a detour from your current route, open the Menu page and touch **Detour**.

- **1/2 mile**, **2 miles**, or **5 miles**—select the distance for the detour. For example, if a road sign indicates that the street is closed for the next 2 miles, touch **2 miles** in the list. The navigation system recalculates your route for the next 2 miles.
- **Detour by Road(s) In Route**—select roads on your route to avoid. For example, if the highway ramp is closed, select the ramp in the list of roads. The navigation system recalculates your route to avoid that ramp.
- **Detour by Traffic Event on Route**—if you are using an FM Traffic Receiver, you can detour around traffic events.
- **Remove All Detours**—touch to remove any detours you have entered for the route.

Adding Avoidances

From the Menu page, touch **Settings** > **Navigation** > <kbd>▼</kbd> > **Avoidance Setup**. Select the road type to avoid. Touch <kbd>▼</kbd> to view more road types to avoid.

Creating Custom Avoids

You can enter specific areas and roads to avoid on your routes. From the Avoidance Setup menu, touch <kbd>▼</kbd> two times and then touch **Custom Avoids**.
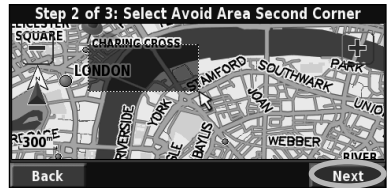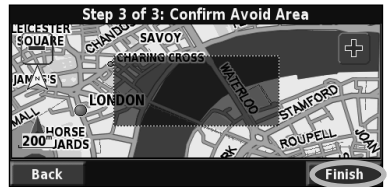
1 **Touch Add New Avoid Area or Add New Avoid Road.**
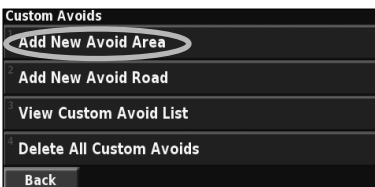
2 **Touch the first corner and touch Next.**

3 **Touch the second corner and touch Next.**

4 **Touch Finish.**

Using the Logs

As you travel, the navigator creates a bread-crumb trail (track log) of your movement.

Adjusting the Track Log

From the Menu page, touch **Tools** > **My Data** > **Track Log**.

- **Recording**—turn the track log recorder on and off.
- **Percentage Full**—displays the current percentage capacity of the track log. To clear the track log, touch **Percentage Full** > **Yes** > **OK**.
- **Map Display**—displays the current track log on the map. Select a zoom setting at which the track log is shown. Touch **OK**. Your track log is displayed as a narrow dotted line on the map.

Using the Mileage Logs

You can keep four different mileage logs of your travels. From the Menu page, touch **Tools** > **My Data** > **Mileage Log**.

1 **Touch a log to edit it.**

Select Log To Edit	
Log A : Active	32.1ᵏₘ
Log B	0.0ᵏₘ
Log C	0.0ᵏₘ
Log D	0.0ᵏₘ
Back	

2 **Select an item to edit.**

Select Item To Edit	
Name	Log A
Distance	32.1ᵏₘ
Active	Yes
Back	

- **Name**—enter a new name.
- **Distance**—reset the mileage log.
- **Active**—make this log active or inactive.

Using the built-in FM Traffic 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.

For more information about the FM Traffic Receiver, visit the Garmin Web site at www.garmin.com/traffic. For participating FM subscription providers and covered cities, refer to www.garmin.com/fmtraffic.

Viewing Traffic Events

From the Menu page, touch **Tools** > **Traffic Info**. Select an item in the Traffic Events list to view the details. Touch **Near…** to view traffic at a different location.

Traffic Events List

1 Traffic symbol
2 Color code
3 Traffic source (FM Traffic) and signal strength

Avoiding Traffic

The map page displays a ⚠ when there is a traffic event of medium severity or high severity on your current route or on the road you are driving. When you are following a route, touch ⚠ to avoid the traffic.
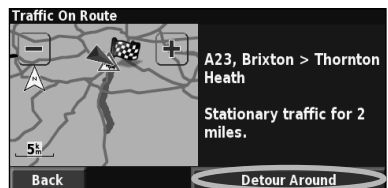
1 **From the map, touch ⚠.**
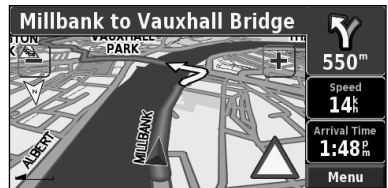
2 **Touch an item to avoid.**

3 **Touch Detour Around.**

Severity Color Codes

The bars to the left of the traffic symbols indicate the severity of the traffic incident:

■ = Low severity (green)—traffic is still flowing.

■ = Medium severity (yellow)—traffic is somewhat congested.

■ = High severity (red)—traffic is heavily congested or stopped.

Traffic Symbols

North American Symbols	Meaning	International Symbols
	Road Condition	
	Road Construction	
	Road Closed	
	Congestion	
	Accident	
	Incident	
	Information	

Changing the Traffic Settings

From the Menu page, touch **Settings** > **Traffic**.

- **Provider**—indicates the provider for your FM traffic service. Auto is selected by default. Auto ensures that you are connected to the best provider. If you have a pay subscription, Auto will connect to that service, or it will tune to the free provider broadcasting the strongest signal. Touch Advanced to clear the list of FM traffic providers or to search for available providers.
- **Subscriptions**—view your traffic subscriptions. If you have an FM Traffic Receiver connected, touch FM Traffic Subscriptions to view your subscriptions. Touch the subscription to display the expiration date. To add a subscription, touch **Add Subscription**. See page 22 for information about adding an FM Traffic subscription.
- **Symbols Style**—change the symbols used to indicate the type of traffic event.
- **Audio Notification**—turn the audio notification on or off when a traffic event occurs on the road you are traveling or on the route you are navigating.
- **Avoid Traffic**—select **Yes** to avoid traffic events when generating a route.

Adding a Traffic Receiver Subscription

To add a traffic subscription, touch **Settings** > **About** > **FM Traffic Receiver** and write down your FM Traffic Receiver's unit ID. Go to www.garmin.com/fmtraffic to purchase a traffic subscription and get a 25-character traffic subscription code.
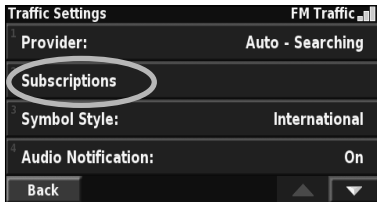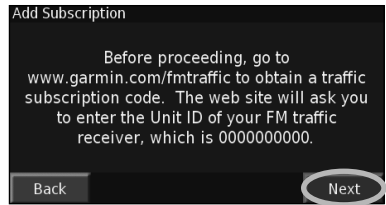
1 **Touch Settings.**

2 **Touch Traffic.**

3 **Touch Subscriptions.**

4 **Touch Add Subscription.**

5 **Touch Next.**
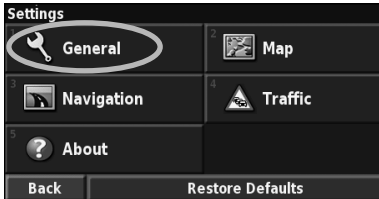

6 **Enter the code and touch Next.**

7 **Touch OK.**

Changing the Settings

This section describes how to customize the settings of your GPS navigation system.

Changing the General Settings

From the Menu page, touch **Settings** > 🔧 **General**.

GPS

From the Menu page, touch **Settings** > **General** > **GPS**. See page 16.

Changing the Language

From the Menu page, touch **Settings** > **General** > **Language**.

- **Voice Language**—change the language for all voice prompts and messages. Touch the voice you want to use and touch **OK**.
  Two different types of voice languages are available: text-to-speech and pre-recorded.
  Languages noted with a person's name and (TTS) are text-to-speech (TTS) voices: for example, American English-Jill (TTS) is a text-to-speech voice. The text-to-speech voices "read" and "speak" the same words that are displayed on the screen. The voices have an extensive vocabulary, and they pronounce the street names as you approach turns.
  Languages without a person's name are pre-recorded voices, which have a limited vocabulary and do not speak names of locations or streets.

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- If you change the Voice Language, you must restart the unit to complete this change.

- **Text Language**—change the on-screen text to the selected language. Changing the text language does not change the language of map data or user-entered data.
- **Speech Rate**—select the rate at which prompts are spoken.

Customizing the Keyboard Settings

From the Menu page, touch **Settings** > **General** > **Keyboard**.

- **Input Type**—select **English Only** keyboard, or select **Western European** to use diacritical characters.
- **Entry Type**—select **ABCDEF** keyboard, or select **QWERTY**.

Customizing the Audio Settings

From the Menu page, touch **Settings** > **General** > **Audio**.

- **Guidance—**turn on the vocal guidance prompts. Select **Speak Key Only** to hear the voice prompts only when you press the **VOICE** key on the remote control.
- **Attention Tone—**turn the attention tone that is sounded before voice prompts on or off.
- **Touch Screen Tone**—turn the tone that is sounded each time you touch the screen on or off.
- **Keypress Tone**—turn the tone that is sounded each time you press a button on the remote on or off.

Customizing Proximity Alerts

From the Menu page, touch **Settings** > **General** > **Proximity Alerts** to adjust the notifications for custom POIs you have loaded. See page 27.

Changing Your Time Settings

From the Menu page, touch **Settings** > **General** > **Time**.

- **Time Zone**—select your time zone.
- **Time Format**—select 12- or 24-hour time format.
- **Daylight Saving**—select Auto, Yes, or No. The Auto setting automatically adjusts the time for daylight saving based on your time zone.

Selecting Units

From the Menu page, touch **Settings** > **General** > **Units**. Change units of measure to Statute, Metric, or Custom. Custom allows you to specify Statute or Metric for each unit (distance, elevation, and so on).
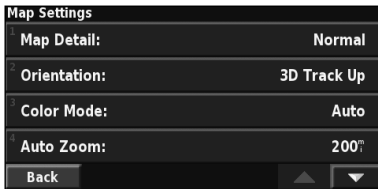
Turning Safe Mode Off and On

From the Menu page, touch **Settings** > **General** > **Safe Mode**. Turn the Safe Mode on or off. Safe Mode disables all navigation system functions that require significant operator attention and could become a distraction while driving. When it is turned on, Safe Mode operates when the vehicle parking brake is disengaged.

Changing the Map Settings

From the Menu page, touch **Settings** > [icon] **Map**.

Map Settings
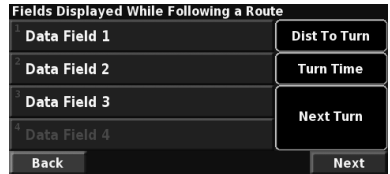|		
¹ Map Detail:		Normal
² Orientation:		3D Track Up
³ Color Mode:		Auto
⁴ Auto Zoom:		200ᶠᵗ
Back		▲ ▼

- **Map Detail**—adjust the amount of detail shown on the map. Displaying more detail causes the map to redraw slowly.
- **Orientation**—change the perspective of the map.

Orientation	Description
2D North Up	Display the map in 2 dimensions (2-D) with North at the top.
2D Track Up	Display the map in 2 dimensions (2-D) with your direction of travel at the top of the screen.
3D Track Up	Display the map in 3 dimensions (3-D), with your direction of travel at the top of the screen. This is the default map view.

- **Color Mode**—select Day for a bright background. Select Night for a black background. Select Auto to automatically switch between the two.
- **Auto Zoom**—disable or enable automatic zooming on the map for optimal viewing. You can also specify a maximum Auto Zoom distance, from 120 feet to 300 miles.
- **Route Color**—select the color of the route line.
- **Dim Roads**—dim roads that are not on your route. You can customize this setting to Never or While Routing.

- **Map Data Fields**—customize the width and the contents of the data fields displayed on the map page. Normal is the default setting.

1. **From the Menu page, touch Settings > [icon] Map > ▼ > Map Data Fields.**

2. **Touch Wide or Thin. Then touch Next.**

Fields Displayed While Following a Route
¹ Data Field 1	Dist To Turn
² Data Field 2	Turn Time
³ Data Field 3	Next Turn
⁴ Data Field 4	
Back	Next

3. **Touch the navigation data field you want to customize.**

4. **Select the type of data field.**

5. **Select how the data field appears.**

6. **Touch OK. Repeat for each navigation data field.**

7. **Touch Next to customize the non-navigating data fields.**

8. **Touch Finish to return to the Map Settings menu.**

- **Text Size**—adjust the display size of text for each item on the map.
- **Zoom Level Detail**—works in conjunction with Map Detail to customize which map items appear at various zoom levels. For each map item, you can select Off, Auto, or a maximum zoom distance, from 120 feet to 800 miles.

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- Displaying more detail increases the time it takes the map to refresh.

- **Detail Maps**—enable and disable the preloaded detailed maps.
- **Setup POI Display**—set whether the preloaded map Points of Interest (POIs) are displayed on the map. You can also filter which types of POIs are displayed, such as lodging and attractions. This does not affect custom POIs.
- **Vehicle Select**—select the vehicle icon that is displayed while navigating a route.

Changing the Navigation Settings

From the Menu page, touch **Settings** >
Navigation.

Navigation Settings	
Vehicle:	Car
Preference:	Faster Time
Ask Preference:	No
Next Turn Pop-up:	Auto
Back	▲ ▼
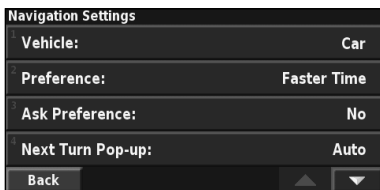
- **Vehicle**—specify your vehicle type.
- **Preference**—select a preference for route calculations.

Preference	Description
Faster Time	Routes calculated with this setting are faster to drive but may be longer in distance.
Shorter Distance	Routes calculated with this setting are shorter in distance but may take more time to drive.
Off Road	Creates a direct-line route from your current location to your destination. This may be useful when you are traveling outside of detailed map coverage areas, or where no roads exist.

- **Ask Preference**—select whether the navigation system asks for your preference each time it calculates a route.
- **Next Turn Pop-up**—select when the Next Turn page appears while navigating a route.

Preference	Description
On	The Next Turn page is displayed for every turn.
Auto	The Next Turn page is only displayed when you are not in the Map page, because you are already tracking your turns.
Off	The system does not switch to the Next Turn page for each turn.
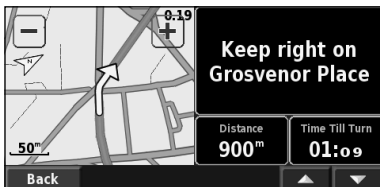
Next Turn Page

- **Off-Route Recalculation**—set the way the navigation system responds when off the route. You can silence the "off-route, recalculating" message here.
- **Continuous Auto Routing**—enable or disable the Continuous Auto Routing feature. This feature allows the navigation system to continually search for a better route to your destination. Continuous Auto Routing may be useful if a traffic accident occurs or there are time-restricted turns on the current route. A ⬨ is displayed on the map when a better route than the one you are currently taking is available. Touch the ⬨ to take the better route.
- **Avoidance Setup**—see page 18.

Adjusting the Traffic Settings

See page 21.

Viewing Information (About)

From the Menu page, touch **Settings** >
About.
- **Software**—the software version, audio version, unit ID, and registration code for the unit are listed. The SiRF version being used in the GPS is also shown.
- **Detail Maps**—view information about the preloaded detailed maps.
- **FM Traffic Receiver**—view the FM Traffic Receiver unit ID.
- **Copyright Info**—view the copyright information relevant to the unit configuration.

Restoring the Settings

To restore the navigation system to its original settings, open the Menu page and touch **Settings** > **Restore Defaults** > **Yes**.

Appendix

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

Using the Remote Control

You can use a standard Kenwood system remote control with the navigation system.

Updating the Software

To update the navigation system software, you must have a CD or DVD writer, writable CD or DVD media, and an Internet connection.

To update the navigation software:

1 **Go to www.garmin.com/Kenwood. For the DNX5220/DNX5220BT, select Software Updates > Download.**

2 **Read and accept the terms of the Software License Agreement.**

3 **Follow the instructions on the Web site to complete the installation of the updated software.**

Updating the Map Data

The navigation system will provide periodic notification at startup when the preloaded maps are considered out of date. You can purchase a DVD of updated map data from Garmin, or ask your Kenwood dealer or Kenwood service center for details.

To update the map data:

1 **Go to www.garmin.com/Kenwood. For the DNX5220/DNX5220BT, select Order Map Updates, and then follow the Web site checkout procedure.**

2 **After you receive your new map data DVD, follow the instructions provided with the DVD to install the new map data in your unit.**

Clearing All User Data

You can clear all user data, including all favorite places, routes, custom POIs, tracks, mileage logs, and your home location, at one time.

⚠CAUTION

You cannot recover your user data after it is deleted.

1 **Touch Tools > My Data > Clear All.**

2 **Touch Yes. The navigation system restarts.**

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.

⚠CAUTION

Garmin is not responsible for the consequences of using a custom POI database, or for the accuracy of the safety camera or other custom POI database.

To load custom POIs into the unit:

1 **Download a POI database file from the Internet.**

2 **Using POI Loader, create the POI.gpi file from the database file. POI Loader is available at www.garmin.com/products /poiloader. Refer to the POI Loader Help file for more information; click Help to open the Help file.**

3 **Save the POI.gpi file to your hard drive.**

Next page ►

4 **Create a "Garmin" folder on your CD or DVD. For example, if drive letter D is assigned to your CD or DVD drive, create a "D:\Garmin" folder.**

5 **Copy the POI.gpi file to the Garmin folder you just created on your CD or DVD (for example, "D:\Garmin\POI.gpi").**

6 **Insert the CD or DVD into the DNX5220/ DNX5220BT. A message displays on the screen, prompting you to copy the custom POIs to your navigation system. Select Yes. If you select No, custom POIs will not work.**
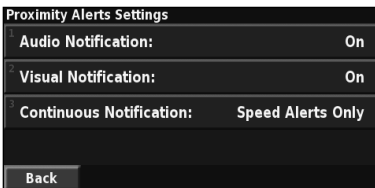
⌨

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

Finding Custom POIs
To view a list of the custom POIs loaded in your navigation system, touch **Where To?** > **Extras** > **Custom POIs**.

Adjusting the Proximity Alerts
To turn the proximity alerts for custom POIs on or off, open the Menu page and touch **Settings** > **General** > **Proximity Alerts**.

Proximity Alerts Settings	
Audio Notification:	On
Visual Notification:	On
Continuous Notification:	Speed Alerts Only
Back	

• **Audio Notification**—turn the alerts that sound as you approach a custom POI on or off.
• **Visual Notification**—turn the pop-up alerts that appear as you approach a custom POI on or off.
• **Continuous Notification**—select which alerts (which types of POIs) you will be continually notified of.

Deleting All Custom POIs
To delete all custom POIs from your navigation system, touch **Tools** > **My Data** > **Custom POIs** > **Delete All**. Touch **Yes** to confirm.

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.

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