

Extend Your Range

With the In-dash Navigation System, Ford makes life, and traveling, easier.

- Travel, journey—explore—with confidence. You'll always know where you're headed, wherever you go.
- No more reading maps; you get the fastest route possible, with turn-by-turn, address-to-address driving instructions across the United States and parts of Canada.
- Need to know where to exit? No problem. The system pinpoints millions of points of interest (POIs), in 50 different categories, and shows you how to get where you want to go.
- Even in a strange city, you'll feel more secure with directions to everything from hospitals and police stations to gas stations.
- When you are looking for entertainment, find restaurants, golf courses, tourist attractions and other venues.
- For convenience, get instant directions to the nearest ATM or bank, or short-cuts to hotels, airports and shopping.
- The system even relieves some of the headaches of driving, giving you driving directions that account for important details for the road you're on, including one-ways, turn restrictions, highway dividers, speed categories and other navigable attributes.

In-dash Navigation System Features

Address Book – Allows you to save your most frequently used destinations for quick and easy routing.

Address Selection – Allows you to search and route to a specific address within your map region.

Intersection Selection – Allows you to search and route to a specific intersection within your map region.

POI (Point of Interest) Selection – Allows you to search from and route to a list of restaurants, hotels, banks and other venues.

Route Guidance – Provides audible and visual guidance instructions for each driving maneuver along the planned route.

Automatic Rerouting – Automatically recalculates a new route to your destination if you miss a turn.

Previous Destination – Allows you to view, and route to, your last 10 destinations.

HERE – Informs you of your current location and the distance to the next and last intersection.

HOME – Allows you to save your home location so that you can route back to it from your current location with the touch of a button.

Detour – Allows you to enter the following specific route criteria:

- *Avoid Current Road*
- *Avoid Next Road*
- *Avoid Specific Road*
- *Detour (no. of) Miles*

Route View – Allows you to view an entire route map or a maneuver-by-maneuver map.

How does the In-dash Navigation System work?

The In-dash Navigation System uses an on-board computer that interacts with the GPS (Global Positioning System) satellites, vehicle sensors and the Map Database to give you the precise location of your vehicle and guide you to your destination.

Vehicle location is gathered by a combination of 3 navigation calculations: GPS signal, dead-reckoning and map-matching.

The **GPS signal** is obtained through the GPS receiver located on your Ford Expedition. There are currently 24 earth-orbiting GPS satellites that are constantly transmitting time radio signals. The In-dash Navigation System requires a minimum of 4 satellites at any given time to calculate your vehicle's position. GPS signals may be temporarily lost when traveling in tunnels, mountains or areas with large buildings. The In-dash Navigation System will continue to function as normal despite the temporary GPS signal loss because of dead-reckoning.

Dead-reckoning allows the In-dash Navigation System to accurately predict the vehicle position despite the degradation or loss of a GPS signal. A sensor on the wheels of the Ford Expedition allows the system to use the vehicle's speed and course to store a highly accurate image of the path the vehicle has traveled. This information, used in conjunction with map-matching, enables the system to provide precise guidance advice despite the temporary loss of a GPS signal.

Map-matching is the process of comparing the vehicle's position, heading, distance and speed data produced by the vehicle sensors against the data from the map database, to determine the most likely location of the vehicle relative to the map.

The display menus that prompt you for your destination selection are part of the navigation software. The navigation software is stored in the navigation system and interacts with the map database CD-ROM to guide you through the process of selecting your destination.

Benefits of a Navigation System

	Navigation System	Paper Map	Internet Mapping Service	Telematics Service Provider
Voice Guided Turn-by-Turn Directions	X			
Proximity POI Directory Search	X		X	
Detailed Area Map	X	X	X	
Map Display with Dynamic Vehicle Location	X			
Visual Route Maneuvers List	X		X	
Automatic Trip Updating While On Route	X			
Automatic Rerouting*	X			
Alternate Routing**	X			X
Usage Service Fee				X
Vehicle Location Information	X			X
Storage of Favorite Locations	X		X	

* If you get off your planned route
** In event of construction or congestion

Navigation System Quick Start Guide

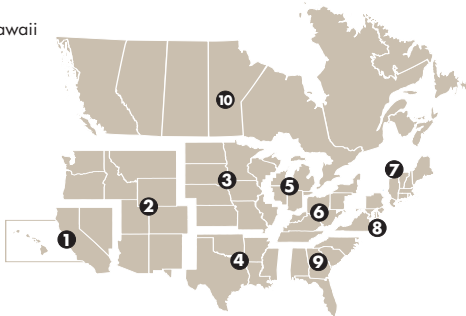


The In-dash Navigation System



The In-dash Navigation System comes with a bundle of 9 CDs for the US and a single CD for Canada:

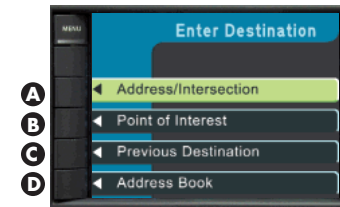
- CD 1: California/Nevada/Hawaii
- CD 2: Northwest/Southwest
- CD 3: North Central
- CD 4: South Central
- CD 5: Midwest
- CD 6: Ohio Valley
- CD 7: New England
- CD 8: Mid-Atlantic
- CD 9: Southeast
- CD 10: Canada



Map Database FAQs

- The Map Data CD originates from a company called NAVTEQ, the same company that creates and maintains the Map Database.
- The Map Data interfaces with the rest of the system via the CPU (Central Processing Unit). The CPU compares the information on the Map Data CD with the vehicle's current location as determined by the GPS receiver. The CPU then calculates the route, travel time, guidance, etc.
- The Map Data CD contains navigable road data for a specific region. This data contains the road network for each specific region and information to allow the In-dash Navigation System to give you accurate "turn-by-turn" guidance to destinations. Navigable road data includes information such as city names, street names, as well as up to 150 pieces of information associated with each road segment. Information such as one-way streets, turn restrictions, speed limits, medians, etc., are all included attributes in your Map Data CD.
- NAVTEQ continuously updates the Map Database to provide additional coverage, account for changes in the road network, and changes in points of interest. It is recommended that map updates be purchased when available to ensure you have the most current information.
- Some map data on CDs in outlying areas is not complete (missing some navigable road data as described above). If the system encounters such data on your route it will give an auditory warning, "The route to your destination contains roads with incomplete data highlighted in yellow. Please proceed with extra caution." System directions and street names in maneuver mode will appear in yellow as well as maneuvers on the planned route list. When the route is displayed on the map, the incomplete mapping portions will also be highlighted in yellow.
- To get more information about the Map Data or order extra Map Data CDs contact NAVTEQ at **1-866-422-8176** (Toll Free Ford Dealer line), or through their web site: **www.navteq.com**

Quick System Guide



Destination Selection

- A** Select a Street Address or Street Intersection
- B** Select Point of Interest (ATM, Hotel, Restaurant, Hospital, etc.)
- C** Select from the last 10 Previous Destinations
- D** Select from a list of Saved Addresses or Points of Interest



City/Street Selection*

- E** As you spell the name of the city/street, the next valid characters will be lit. Use the cursor to navigate through the letters and numbers. Press LIST at anytime during the spelling process to get a list of cities/streets that start with the letters you have spelled out
- F** Use the LIST button to toggle between getting a list of cities/streets or spelling the name yourself. Use the cursor to navigate through the list and press the cursor once you find your city/street

* The method to select a city name, a street name, and an intersection name are the same.



Map Mode

- G** Get Voice guidance for your next maneuver
- H** Select a Detour option from the currently calculated route
- I** Move your vehicle icon in any direction by using the cursor after pressing the Pan button
- J** Set the Zoom level of the map
- K** Direction of travel
- L** Time to destination
- M** Distance to destination

Directions will appear in yellow in incomplete mapped areas



Maneuver Mode**

- N** Get Voice guidance for your next maneuver
- O** Select a Detour option from the currently calculated route
- P** Stop route navigation

** Enter the turn-by-turn screen by pressing the NAV button on your navigation system.

In-dash Navigation System

