joyride

JOYROUTE™
NAVIGATION SOFTWARE
USER'S MANUAL

- *Navigation Software Installation*

- *Using Your Joyride® Navigation System*

- *Features and Options*

- *Troubleshooting*

- *Maintenance*

JoyRoute™ Small Display

SAFETY WARNINGS AND PRECAUTIONS

Please carefully read and follow these Safety Warnings and Precautions before using the Joyride™ System.

- **Only look at the screen when it is safe to do so and for a very short period of time. If you need to study the screen or look at the screen for a prolonged period of time, pull over and stop the car so that you can safely evaluate the information without risking danger to yourself or to others.**

- **Because operating certain parts of this system while driving can distract your attention away from the road and possibly cause an accident or other serious consequences, carry out the set up procedures and learn the basics of the system before attempting to use it on the road.**

- **DO NOT change systems settings or enter data manually (using your hands) while driving. Stop the vehicle in a safe and legal manner before attempting these operations. This is important since while setting up or changing some functions, your attention might be distracted away from the road and you may be tempted to remove your hands from the wheel.**

Manual Input Required

- **When you see this symbol in the manual, it means, for your safety and the safety of others, the vehicle must be stopped to carry out the described Joyride™ function or to change settings. Pull over in a safe and legal manner before attempting to manually access a function of the system.**

- **The Joyride™ system responds to voice commands, menu selections, and shortcut keys. By memorizing the required voice commands and by training the Joyride™ unit to recognize your custom commands, you will be able to utilize the Joyride™ system in its full, functional capacity to increase safety while you are driving.**

- **Turn volume down when turning the Joyride™ unit OFF. This will ensure NO hearing damage if the sound is too loud when you turn power back on. Also ensure volume of system is not too loud so that outside traffic and emergency vehicles can be heard.**

- **Make sure all persons who use this system read all safety instructions and precautions and follow all instructions carefully.**

- **JoyRoute™ Navigation Program is not a substitute for your personal judgment. You must follow all traffic regulations and use your personal judgment and knowledge of safe driving practices. Do not follow JoyRoute™ Navigation instructions if it tells you to perform an unsafe or illegal maneuver, guides you into an area which you consider unsafe or places you in an unsafe situation.**

- **All calculated routes that are provided by the JoyRoute™ Navigation Program may not be the perfect route for you. The Program is intended to get you to your destination, but may not provide the shortest or best route. If you know shortcuts or other preferred ways to arrive at your destination, use them.**

- **DO NOT rely on the Program to provide the best route in emergency situations. The JoyRoute™ Navigation Program database may not include all facilities and streets necessary for emergency response and its navigation maps may not reflect recent changes in roads, traffic controls, and driving conditions. Use your own judgment and common sense in such situations.**

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JoyRoute™ Small Display

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CUE® AutoFM® Data Receiver is a registered trademark of CUE Corporation.

FCC Radio Interface Statement

Operation of the Joyride™ system is subject to the following two conditions imposed by the Federal Communications Commission: (1) this system may not cause harmful interference, and (2) this system must accept any interference received, including interference that may cause undesired operation. Changes or modifications to the equipment without the express permission of Clarion may void the authority to use the Joyride system.

Warranty

This Navigation User's Manual creates no warranties, nor does it make any representations regarding the Joyride™ system or JoyRoute™ Navigation software on behalf of Clarion. The only warranty provided by Clarion to the purchaser is that contained in Clarion's published limited warranty for the Joyride™ system or JoyRoute™ Navigation software. All other purported warranties and representations regarding the quality, performance or the suitability of the Joyride™ system or JoyRoute™ Navigation software are disclaimed.

Changes or modifications to the equipment without the express permission of Clarion may void the warranty of the Joyride system.

Place the serial number sticker for your Joyride system here:
Serial Number

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Software Installation - (Initially for Dealers)

Congratulations on your purchase of the JoyRoute™ Navigation software for Small Display!

Caution: When installing the software, do not turn the ignition (ACC power) switch OFF. Also avoid pressing any buttons, keys or reset buttons. Hardware failures may result.

Installing Navigation

1. Turn on vehicle ignition.
2. Insert the CD installation disc, JoyRoute™ Navigation for Small Display into the in-dash DVD drive.
3. At the "Install Navigation" screen press **Enter**. The Joyride™ system announces "the system is attempting to install or run a program contained on the media inserted." (If more than one installation program exists, press ♦ to select "JoyRoute™ Navigation - Small Display.")
4. Press ◄▮► key to select "**Yes**."
5. Press ◄▮► key to select "**No**" to the question "Perform Backup Now?" (Select "Cancel" to abort the installation.)

   A Please DO NOT INTERRUPT warning displays. Do not touch the faceplate or control panel while the following message displays: "Preparing to Install..."

Speech Training for Safety

Read the instruction to "Say the command word 3 times after the prompt." A series of Navigation speech commands start to display. Press **Enter** to start.

6. Reset Required – The installation prompts you to press **Enter** to reset to complete the installation.

Getting Help

Context-Sensitive Help

To get help from the screen you are currently viewing you can choose 1 of 3 ways.

1. Say "**AutoPC.**" Wait for the green "Listening" bar to appear, and then say "**Help**."

2. Press the Push-to-Talk (**PTT**) button in your car or on the remote controller and then say "**Help**."

3. Press the **Help** button on the faceplate for specific instructions for a screen you are currently viewing.

Shortcut Keys - Control Panel or Remote Controller
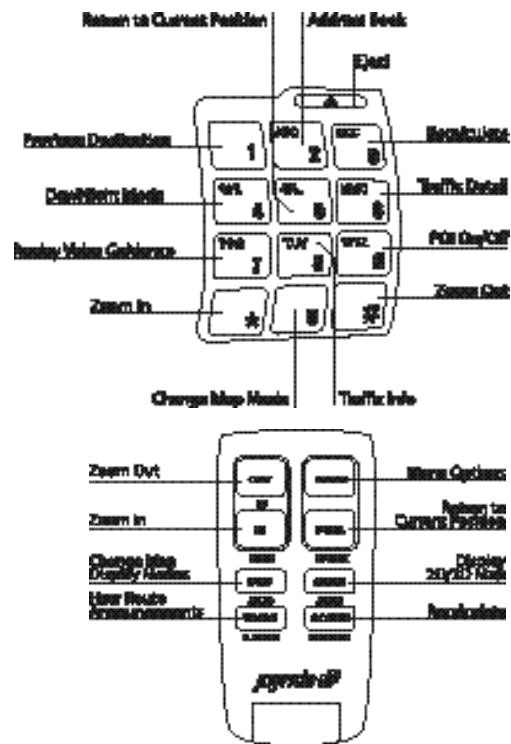
0 - Change Map Mode: N-Up / H-Up / Map
   / Freeway
* -Zoom In
# -Zoom Out
1 -Previous Destination
2 -Address Book
3 -Recalculate
4 -Day / Night Mode
5 -Return to Current Car Position
6 -Traffic Detail (if CUE AutoFM software is
   installed)
7 -Repeat Voice Guidance
8 -Traffic Information (if CUE AutoFM is
   installed)
9 -POI On/Off

Use the remote controller surface buttons
for quick access.

The switch on the side of the remote control
must be in the Win CE Mode (down).

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Quick Views

Map Mode

The **Heading UP** map mode is the default view that displays when Navigation is launched. **Heading-Up** and **North-Up** are the available map orientations. Depending on how you configure Navigation, additional information can be displayed, such as estimated time to destination or Freeway Auto-Pop, and images like the Turn-by-Turn, next-maneuver arrows which enhance the guidance information for you. Next-maneuver arrows change in color to indicate how close the vehicle is to the next required turn.

The Car Position Indicator represents your car's position on the map during a calculated route. It also appears on Freeway Mode views.

Turn-by-Turn Mode

Turn-by-Turn mode is an alternate view you can select during a calculated route to a destination. It shows upcoming maneuvers, the street names, distance to the next-maneuver and estimated arrival time. The next-turn maneuver arrows fill and change in color to indicate how close the vehicle is to an upcoming turn.

Press the shortcut key "0" to change the display map modes

The Car Position Indicator represents your car's position on the map during a calculated, map mode route. It also appears on Freeway Mode views.

Freeway Mode

Freeway Mode is an alternate view that displays the next series of upcoming streets, freeways by name, and distances to the next exit along a calculated route if the current car position is on the calculated freeway route.

The Car Position Indicator displays your current car position and direction of travel on the freeway form.

Zooming and Scrolling

**Shortcut key:
press * to zoom IN;
press # to zoom OUT.**

Map scrolling is accomplished by using the Left, Right, Up or Down (navigation) keys on the control panel or remote controller. Additionally, the remote controller joystick handles 8-way scrolling (including diagonal scrolls). A red crossbar cursor displays as a guide while scrolling.

1. Using Navigation on Small Display

Welcome to the JoyRoute™ Navigation Software Program!

The Joyride™ system has an **optional** Global Positioning System-based (GPS) navigation system that provides turn-by-turn instructions using the computer's wave files and Text-to-Speech (TTS) to audibly guide you to a calculated destination. When selected, its TTS engine also reads back street names at critical-turn maneuvers along a route. A Universal Serial Bus (USB) Navigation module encloses Dead Reckoning sensor inputs (GPS, speed pulse, and gyro) for accurate car positioning and interaction with your car's speed pulse signal.

Directional icons and trip information also appear on the map display. Based on information you enter or select, JoyRoute™ Navigation software will automatically calculate a route and announce all maneuvers. Other features in the program allow you to preview the entire route, calculate a route based on time or distance, or check the status of all the system components.

Calibrating the GPS system for accurate car positioning

Self-initiated calibration - Depending on the make of car, when Navigation is first launched, the system requires that the car be driven about 1/2 hour to calibrate the speed pulse information. This is required for accurate GPS car positioning.

During calibration it is likely that the car position may not update or will not match the road traveled correctly. Calibration will only occur the first time navigation software is installed or if the navigation software is reinstalled after a cold boot.

Using speech commands, you can—

• Calculate a route to the nearest Place of Interest (POI), e.g., gas station or airport
• Calculate a route Home from any location
• Calculate a route using a contact address stored in the Address Book

Using the control panel keys, you can—

• Set a destination based on criteria like Street Address, a Point of Interest, or a contact location from the Address Book
• Set a destination based on Previous Destination, crossroads, city center or latitude and longitude settings
• Store current location in the Address Book
• Check the status of all GPS components
• Customize the program to suit your preferences

Using the remote controller, you can—

• Remotely set a destination based on Street Addresses, Points of Interest, Address Book, Previous Destination, crossroads, city center or latitude and longitude settings
• Remotely store a current destination in the Address Book
• Remotely check the status of all the components
• Remotely customize the program to suit your preferences

Using a CD Changer and USB Hub (optional)

The Map CD must remain in the DVD drive (or in the optional UC-6 CD changer) when running Navigation

Navigation requires a Navigation Technologies (NAVTECH®) Map data disc that runs either in the DVD drive or in an optional CD Changer. If you do not have the CD changer, place the Navtech data disc into the DVD/CD drive. This will preclude using the drive for DVD movies or music. If you are attaching two or more USB-type peripherals – like a USB Navigation unit (UDR12), a CUE device or a CD changer (UC-6), a USB hub is recommended to supply the appropriate power to each peripheral.

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2. Getting Started

The Navigation program requires a Navigation Technologies Map, CD or DVD disc (SDAL Version 1.7), that you must insert in the DVD drive or CD changer. Joyride reads the map disc as you travel.

Important   **When first starting navigation, or if the CD cartridge is ejected in a CD changer with data discs, it will take approximately 2 minutes for the system to initialize.**

Starting the Navigation Program

To start press POWER, insert the map CD; wait for initialization.

Using speech commands—

• Say "**Auto PC**" or press the Push-to-Talk (PTT) button voice substitute.

• Say, "**Navigation**" to advance to the program.

Using the control panel—

1. Press the **NAV** button on the faceplate to launch Navigation. OR Press the **Start** key, then press ◄█► to select **Navigation** and press **ENT**. Note the remote control below.

2. The Navigation warning message appears. As required, press **ENT** to accept the warning message. (The Navigation warning message appears each time you start Navigation.)
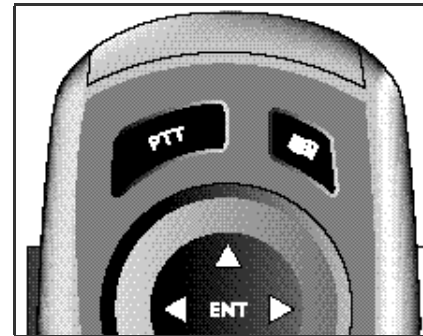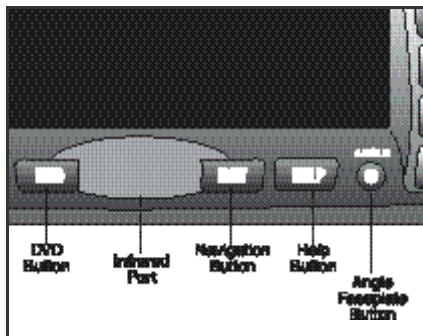
Using the remote controller—

1. To align the remote controller, point the "nose" of the remote controller towards the Infrared (black) panel below the Joyride display.

2. When the map displays, press **MENU** on the remote controller.

3. Rotate the joystick button up or down to select **Enter Destination**.

4. Press **ENT**. Select one of the Destination methods: Street Address, Cross Road, Point of Interest, Address Book, Previous Destination, City Center, Longitude / Latitude or Home.

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3. Setting Destinations

**Remember-
H-Up (Heading
Up) means the
map turns when
you turn.**

On startup, the Navigation program may display a default location until the Global
Positioning System(GPS) initializes and acquires sufficient satellite information (assuming
the USB Navigation Unit UDR12 is installed). Note: If the current position remains in the
default location and does not match your current position, the car may need to be moved
so that the speed sensor can identify movement. The startup mode for the map display is
Heading Up (**H-Up**). This means that the map orientation changes to match where the car
(Car Position Indicator) is heading.

H-Up also indicates that the map turns with you. Alternately, **North Up** (**N-Up**) indicates
actual North on a compass or road guide (the North icon compass is always at the top of
the display).

**Where do you
want to go?**

Destination Methods

To calculate a route and to get voice-guided instructions to your destination, you must first
select a method of defining a destination. To start, you select the Enter Destination option.

From the Enter Destination menu, you can set a destination using:
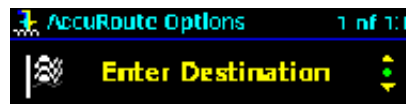
At any time, you can use the remote control to select Destination options

- A Street Address you enter
- Crossroad (intersection) information you specify
- An entry in the Points of Interest database (stored on the Map disc)
- An entry in the Address Book
- A Previous Destination
- City Center information you specify
- Latitude and Longitude information you specify
- A pre-defined Home address

These methods are described in the sections that follow.

When the system prompts you for input, use the keypad or use ⬍ keys to enter letters or numbers in the highlighted, edit box.

Press ◀▶ to move to the next or previous edit box.

To make corrections, press "*" to delete a character in the selected edit box.

As necessary, allow the system's "auto-complete" feature to assist you with data entry. As you enter the first two or three letters of a city or street name, the program's lookup and auto-complete feature will fill in the remaining characters.

Using a Street Address

To set a destination using a street address—

1. From the Navigation main screen, press **MENU**.

2. Press ♦ to choose **Enter Destination**, and then press **ENT**.

3. Press ♦ to choose **Street Address**, and then press **ENT**.

Where do you want to go?

If you know the name of the city in which the address is located—

1. Select "**Yes"** when the system asks if you know the city name, and then press **ENT**.

2. Enter the city name, and then press **ENT**. If, after entering the first two letters, the system finds cities with similar spelling, it auto-completes the city name.
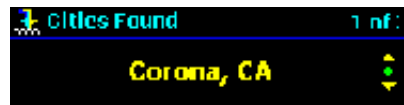
3. Select the desired city, and then press **ENT**.

4. Enter the street address information as prompted, and then press **ENT**.

5. At the **Destination Found** screen, highlight **Calculate**, and then press **ENT** to calculate a route. (If you only wish to store the information, highlight **Store**, and then press **ENT** to save the destination in the Address Book.)

The Joyride™ system starts calculating a route and announces "I will begin navigating."

If you do NOT know the name of the city in which the address is located—

1. Select "**No"** when the system asks if you know the city name, and then press **ENT**.

What if you don't know the city name?

2. Enter the street name, and then press **ENT**.

3. At the **Street Found** screen, look at the upper, right corner of the screen to view the **number of street options** found. Press ⬍, if necessary, to locate the correct variation of the street name, and then press **ENT**.

4. At the **City Name** screen, look at the upper, right corner of the screen to view the **number of city options** found. Press ⬍ to choose from the city choices you determine is correct, and then press **ENT**.

5. From the **Enter Street Address** edit boxes, enter a street address, and then press **ENT**.
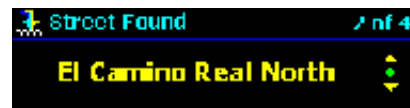
**Setting
a destination
using
different
methods**

6. At the **Destination Found** screen, highlight **Calculate**, and then press **ENT** to calculate a route. (If you only wish to store the information, highlight **Store**, and then press **ENT** to save the destination in the Address Book.)

The Joyride™ system starts calculating a route and announces "I will begin navigating."

If you only know the street name and not the building number of the address, press ENT at the Address menu without entering any numbers. Navigation will take you to the street.

**Setting a
destination using
crossroads**

Using Crossroads

To set a destination using Crossroad (intersection) information—

1. From the Navigation map display, press **MENU**.

2. Press ⬍ to choose **Enter Destination**, and then press **ENT**.

3. Press ⬍ to select **Cross Road**, and then press **ENT**.

If you know the name of the city in which the address is located—

1. Select "**Yes**" when the system asks if you know the city name, and then
   press **ENT**.

2. Enter a city name, and then press **ENT**.

3. At the **Cities Found** screen, press **ENT**. The First Street Name input form
   appears next.
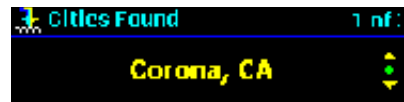
4. Enter the name of the first cross street, and then press **ENT**.

5. At the **Street Found** screen, press **ENT**. The second street name input form appears next.

6. Enter the **name of the second street**, and then press **ENT**. If you do not know the name of the second street, press **ENT**

7. At the **Intersection Found** screen, press **ENT**.

8. As prompted, highlight **Calculate**, and then press **ENT** to calculate a route to the destination. (If you only wish to store the address, highlight **Store**, and then press **ENT** to save the destination in the Address Book.)

The Joyride™ system starts calculating a route and announces "I will begin navigating."

**What if you
don't know the
city name?**

If you do not know the name of the city in which the address is located—

1.Select "**No**" when the system asks if you know the city name, and then press **ENT**.

2. Enter the name of the first cross street, and then press **ENT**.

3. Enter the name of the second street, or if you do not know the name of the second street press **ENT**.

4. At the **Street Found** screen, press the, ♣ if necessary, to select the correct variation of the street name, and then press **ENT**.

5. At the **Intersection Found** screen, press **ENT**.

STATE & E.MASON
Santa Barbara, CA
Calculate | Store | Detail

6. As prompted, highlight **Calculate**, and then press **ENT** to calculate a route to the destination. (If you only wish to store the address, highlight **Store**, and then press **ENT** to save the destination in the Address Book.)

The Joyride™ system starts calculating a route and announces "I will begin navigating."

If the Joyride™ system does not find a corresponding match in the database, the system displays a "No Matched Cross Road" error message.

Using a Point of Interest (POI)

To set a destination using an entry in the POI database—

Using speech commands—

• From Navigation main screen, press **MENU**.

• Press ⬍ to select **Points of Interest**, then say "Auto PC."

• Say "Next." Repeat "Next" to select Airport, Gas Station, Hospital, Restaurant, Hotel, Parking, Home and so forth.

• Once a POI has been found, use "Next" or "Previous" to scroll through the list, then say "**Calculate**" or "**Go There.**"

"Go There" is a user trained word that is typically trained when the JoyRoute™ software is installed, or can be trained by accessing the Training Speech Commands in the JoyRoute™ Settings menu.

Only the closest points of interest (POI) will be listed.

For faster contact name searching, say "Previous" or "Next"

POI finds the 40 closest locations, noting distance and direction

Using the control panel—

1. From the Navigation main screen, press **MENU**.

2 Press ⬍ to choose **Enter Destination**, and then press **ENT**.

3. Press ⬍ to choose **Points of Interest** (POI), and then press **ENT**.

4. Press ◀▮▶ and select the method you want to use to locate a useful place. (Your choices are: POI from Car Position, POI from Destination, POI from City Name, and POI from Name.)

5. Press **ENT** (Icons that represent points of interest by category—including restaurants, gas stations, airports, parking, and more—will appear in the display.) See Help / Shortcuts.

6. Press ⬍ to select a category, and then press **ENT**.

7. Follow the prompts to set a destination to the selected location.

The Joyride™ system starts calculating a route and announces "I will begin navigating."

Using the Address Book

To set a destination using an entry in the Address book—

Using speech commands—

• From the Navigation main screen, say "Auto PC," "Address Book."

For faster contact name searching, say "Previous" or "Next"

• Then say, "Locate" followed by the Contact Name, if previously recorded. You can also say "Previous" or "Next" to advance to the next entry. You can use "Previous" or "Next" or say "Letter" + a specific letter to go to the letter matching the contact name in the Address Book.

• To continue, say "Select**.**"

*** - Speech train-
ing required**

• Say "Go There***.**"

– OR –

• Say "Calculate." The system sets the selected address as the destination and the route starts to calculate.

Using the control panel—

1. Press **MENU** from the map display screen.

2. Press ⬍ to select **Address Book**, and then press **ENT**.

3. Press ⬍ to select a contact entry, and then press **ENT**.

4. A contact name displays. Press **ENT** to display the address. If the address is not the desired address, press ⬍ to choose the desired address. Press ◀▶ to highlight **Calculate**, and then press **ENT**.

The Joyride™ system starts calculating a route and announces "I will begin navigating."

Using a Previous Destination

Shortcut key "1" lists all previous destinations.

The Previous Destinations list shows the last 20 recently used destinations.

To set a destination using a Previous Destination—

Using speech commands—

* - Speech training required

• From the Navigation main screen, say "Auto PC."

• Say "Previous Destination***.**"

• Say "Previous" or "Next."

• Say "Go There."

– OR –

• Say "Calculate."

Using the control panel—

1. From the Navigation map display, press **MENU**.

2. Press ⬍ to choose **Enter Destination**, and then press **ENT**.

3. Press ⬍ to select **Previous Destination**, and then press **ENT**.

4. Press ⬍ to select a previous destination from the list, highlight **Calculate**, and then press **ENT**.

The Joyride™ system starts calculating a route and announces "I will begin navigating."

Using a City Center

To set a destination using a city center—

1. From the Navigation main screen, press **MENU**.

2. Press ⬍ to choose **Enter Destination**, and then press **ENT**.

3. Press ⬍ to select **City Center**, and then press **ENT**.

> Enter Destination   h nf /
>
> **City Center**

4. Enter a city name in the edit box, and then press **ENT** to view a list of city names that correspond to your entry. Otherwise, press **ENT** to view a list of cities.

5. When you find the city center destination you want to use, press **ENT**.

6. Highlight **Calculate**, and then press **ENT**.

The Joyride™ system starts calculating a route and announces "I will begin navigating."

Using Longitude and Latitude

To set a destination using longitude and latitude information—

1. From the Navigation main screen, press **MENU**.

2. Press ⬍ to choose **Enter Destination**, and then press **ENT**.

3. Press ⬍ to select **Longitude / Latitude**, and then press **ENT**.

The Input Longitude screen appears next.

4. Press ⬍ to enter the Longitude information in degrees, minutes, and seconds, and then press **ENT**. The Input Latitude screen appears next.

5. Press ⬍ to enter the Latitude information in degrees, minutes, and seconds, and then press **ENT**.

6. At the confirmation screen, highlight **Calculate**, and then press **ENT** to calculate a route to the Longitude or Latitude position you entered. If you only wish to store the address, highlight **Store**, and then press **ENT** to save the information in your Address Book.

The Joyride™ system starts calculating a route and announces "I will begin navigating. "

Using Home

To calculate a route Home—

To set up your Home destination, see Inputting Your Home Destination in Setting Destinations.

Using speech commands—

• Say "Auto PC."

• Say "Home."

Using the control panel—

1. From the Navigation main screen, press **MENU**.

2. Press ‡ to select **Enter Destination**, and then press **ENT**.

3. Press ‡ to select **Home**.

4. Press **ENT**.

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4. Navigation Display Modes

You have four display mode options for viewing animated route directions.

- Map mode: Heading-Up
- Map mode: North-Up
- Turn-by-Turn mode
- Freeway mode

Upon setting a destination and calculating a route, the system will display and highlight the route on the map; the voice guidance instructions will tell you how to proceed, how far to the next turn, where to turn, and what streets on which to turn.

Press "0" to change mode views: Map, Turn-by-Turn or Freeway mode

As an alternative to the map display, you can press "0" on the keypad to view route information in this sequence: H-Up, N-Up, Turn-By-Turn or Freeway formats.

In Turn-By-Turn or Freeway mode, the system will continue to announce the required maneuvers. You can also press up or down keys to manually view the maneuvers all the way to the destination. Press "**5**" to return to current car position. To go back to the Map display, press "**0**" again or change display mode by using the menu options discussed on the next page.

Map Display Mode Options

Press "*" to Zoom IN. Press "#" to Zoom OUT for a smaller view

As described below, you can change various settings, to enable other useful information on the map during a calculated route. The options below are only a few of the several options.

To change the map scale—

Press the "*" or "#" keys on the keypad to set or change the viewing scale or say "AutoPC" and then "Zoom In" or "Zoom Out."

—OR—

Shortcut: Press "0" to switch between map display modes

Press **MENU** from the Navigation main screen. Press ⬍ to select **Map Scale**, and then press ◀▶ to change map scale values within a range of 165 feet to 32 miles.

To change the map display mode—

1. Press **MENU** from the Navigation main screen.

2. Press ⬍ to select **Display**, then press ◀▶ to choose either **H-Up Map**, **N-Up Map**, **Turn-by-Turn** or **Freeway** mode.

In Heading-Up mode, the current location indicator will point to the top of the display. In North-Up mode, the map will always have North-UP on top. The car icon will not necessarily point north all the time. The current location indicator will point North.

To change the map color—

1. Press **MENU** from the Navigation main screen, Press ⬍ to select **Display Settings**, then press **ENT**.

Shortcut: Press "4" to switch display from Day to Night

2. Press ⬍ again to select **Display Settings** then press ◀▮▶ to set **Map Color** to **Auto**, **Day** or **Night**.

3. If you set the Map Color (Auto, Day or Night) to **Auto,** Day mode will remain until you turn on the driving lights. At this time Night mode will be active.

4. To change the default display mode, select **Settings**, then select the appropriate option.

To view or hide the road name turn-by-turn display—

1. Press ⬍ to select **Settings**, then press **ENT**.

2. Press ⬍ to select **Display Settings**, then press **ENT**. Press ⬍ again to select, then press ◀▮▶ to set **Road Name: On** or **Off**.

To view or hide the arrival time in the map display—

1. Press ↕ to select **Settings**, and then press **ENT**.

2. Press ↕ to select **Display Settings**.

3. Press ↕ to select **Arrival Time**, then press ◀▮▶ **to set time On or Off.**

Tracing your Route

To manage the trace display option—

1. Press ↕ to select **Settings**, and then press **ENT**.

2. Press ↕ to select **Display Settings,** and then press **ENT**.

3. Press ↕ to select **Traces Display**, and then press **ENT**.

4. Press ◀▮▶ to set Traces Display **On** or **Off**.

If the Traces Display option is enabled (On), the Map will track your progress for a total distance of 500 miles using an alternate highlight or tracking icon. The Trace Display menu options allow you to turn this feature on or off as well as to delete current traces.

Turn-By-Turn Mode

In Turn-By-Turn mode, you view pictograms of the next maneuver (turn) and the distance to the next turn or exit. See Quick Views. The guidance voice announces the road name to turn on and the estimated time of arrival.

To preview a calculated route from the Turn-By-Turn screen—

Using speech commands—

• Say "Auto PC."

• Say "Next" or "Previous" (next or previous sequential, calculated maneuver).

Using the control panel—

1. Press ⬍ to toggle between "Next" and "Previous" calculated maneuver.

2. Press the "**5**" key on the keypad to return to the current position.

To hear the estimated time of arrival—

• Say "Auto PC."

• Say "Arrival."

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5. Other Navigation Options

Recalculating a Route

Shortcut: Press "3" to re-calculate a route

Navigation automatically re-calculates the route when the driver deviates more than 50 yards from the originally calculated route.

To manually re-calculate a route—

Press the "**3**" key on the keypad.

Calculating an Alternate Route

The Detour option allows you to calculate a different route from an existing calculated route.

To calculate an alternate route—

1. Choose **Detour**, and then press **ENT**.

2. Press the ◀▶ keys to select a distance option by which you want to vary the route, and then press **ENT**.

3. Navigation calculates a new route and returns to the map or Turn-by-Turn display.

4. You can also use "Detour" speech command to calculate a new route.

When you select **Detour**, the Detour indicator appears in the Map Display.
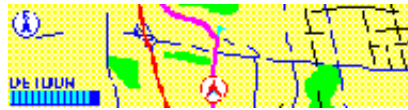
Storing Current Destination Information

For ready reference and input, you can store your current car location in the Joyride™ system Address Book using the Save Current Position option.

To save your current position in the Address Book—

Press and hold **ENT** for **1** second.

– OR –

1. From the Navigation main screen, press **MENU**.

2. Press ⬍ to select **Save Current Position**, and then press **ENT**.

3. Press ◀▶ to highlight **New** (contact in Address Book) or **Overwrite** (existing contact in Address Book), then press **ENT** to confirm your selection.

You can also save any address you select as a destination to Address Book by highlighting the Store button, and then pressing Enter.

Clearing Route Information

To clear the current route using the control panel—

1. From the Navigation main screen, press **MENU.**

2. Press ♣ to select **Clear Route**, and then press **ENT**.

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6. Setting Preferences

Options in the Settings menu allow you to customize system settings and visual preferences you want to see and aid you while driving.

From the Settings menu, you can modify route calculation criteria, change display settings, preview a route using the Demo Mode, change the voice scheme, check sensors, input home destination information, and view information about the program. These options are explained in further detail below.

Setting Route Preferences

The Route Preferences option in the Settings menu allows you to set route calculation criteria, and decide whether the calculation should include or exclude motorways, toll roads, or ferries.

To set route calculation criteria—

1. Press **MENU** at the startup screen.

2. Press ▾ to select **Settings**, and then press **ENT**.

3. Press ▾ to select **Route Preference**, and then press **ENT**.

4. Press ↕ to choose a setting, and then press **ENT**. Your choices here are: **Fastest** or **Shortest**. ("Fastest" means the program will calculate routes based on speed limits. "Shortest" means the program will calculate routes based on distance.) **Most of these settings are recommendations only. The "fastest" may not appear to be fast**.

5. When you are finished, press **BACK** repeatedly to return to the map display.

To include or exclude road types—

1. Press **MENU** at the map display screen.

2. Press ↕ to select **Settings**, and then press **ENT.**

3. Press ↕ to select **Route Preference**, and then press **ENT.**

4. Press ↕ to choose a usage type, and then press **ENT**.

5. As prompted, select "**Yes**" to include the usage type in the calculation, or "**No**" to exclude it.

6. When you are finished, press **BACK** repeatedly to return to the map display screen.

Setting Display Options

To modify display settings—

1. Press **MENU** at the map display screen.

2. Press ⬍ to select **Settings**, and then press **ENT**.

3. Press ⬍ to select **Display Setting**s, and then press **ENT**.

4. Press ⬍ to select the display items you want to show or hide. (Your choices are **Map Color**, **Road Name, Arrival Time, Traces Display,** and **Freeway Auto-Pop Up).**

5. Press ◄► and choose **On** or **Off** to view or hide the selected display item.

6. When you are finished, press **BACK** repeatedly to return to the map display screen.

Moving the Car Position

The Move Car Position option allows you to calculate a destination by selecting an address stored in the Address Book database. The car is then moved to that address.

You cannot activate Demo Mode or Move Car Position while the car is moving.

To move the car position—

1. From the Navigation main screen, press **MENU**.

2. Press ▼ to select **Settings**, and then press **ENT**.

3. Press ▼ to select **Move Car Position**, and then press **ENT**. The Address Book list appears next.

4. From **Address Book**, select an address, highlight the **Move** tab, and then press **ENT**.

Demo Mode

The Demo option allows you to preview a route guidance calculation. When Demo Mode is turned on the Joyride™ system simulates the vehicle traveling along the route that you have calculated for demonstration purposes.

To use Demo mode—

```
⚙ Settings                    4 of 7⏻
            Demo                  ▲
                                  ◆
                                  ▼
```

1. Calculate a route to a destination (see Setting Destinations in this chapter).

2. Press **MENU** at the map display screen.

3. Press ♣ to select **Settings**, and then press **ENT**.

4. Press ♣ to select **Demo Mode**.

5. Press ◀▮▶ to turn Demo Mode **On** or **Off**.

6. Press **BACK**.

Demo Mode demonstrates the route using the current destination. The system continues to repeat the demonstration until you turn Demo Mode off. If you have not entered a destination when you turn

Demo Mode on, the system will display an error message. In Demo mode, the screen displays a blinking Demo indicator.

When Demo Mode is on, note that you cannot do the following—

> • Move the car position
>
> • Enter a destination
>
> • Save the current position
>
> • Return to the current position

The system will prompt you to cancel Demo Mode if you attempt any of these operations. GPS will detect the current car position after exiting Demo mode. You can also simulate car speed in Demo mode by inputting a virtual car speed.

To change the virtual car speed associated with Demo Mode—

1. Press **MENU** at the map display screen.

2. Press ⬍ to select **Settings**, and then press **ENT**.

3. Press ⬍ to select **Virtual Car Speed**.

4. Press ◀▮▶ to select: **20** miles (30 km), **50** miles (60 km) or **70** miles (100 km).

Selecting a Voice Scheme

You can set the number of times Voice Guidance announces an upcoming maneuver.

To select a voice scheme—

1. From the Navigation main screen, press **MENU**.

2. Press ⬍ to select **Settings**, and then press **ENT**.

3. Press ⬍ to select **Guidance Settings**, and then press **ENT**.

4. Press ⬍ to select **Voice Scheme**.

5. Press ◀▮▶ to change the setting to **2 Times** or **3 Times**.

6. Press **BACK** repeatedly until the main program appears.

If the system detects speed pulse (signal) or GPS, the car position will move back to the current position.

Setting Voice Guide Type

You can choose to listen to route instructions produced by pre-recorded wave files, hear a combination of wave files and TTS for road names shown in text on the map, or choose to have the TTS speech engine read text-based road names only.

To select the voice guide type—

1. From the Navigation main screen, press **MENU**.

2. Press ▲▼ to select **Settings**, and then press **ENT**.

3. Press ▲▼ to select **Guidance Settings**, and then press **ENT**.

4. If necessary, press ▲▼ to select **Voice Guide**.

5. Press ◀▶ to select the type: **Wave**, **Wave + TTS** or **TTS**.

Checking Sensors

You can check the status of various GPS settings, including the number and location of GPS satellites, car speed, gyroscope direction, and validity of USB connections. At any time, press BACK to return to the previous menu.

To check sensors and view the status of GPS-related equipment—

1. Press **MENU** at the map display screen.

2. Press ♦ to select **Settings**, and then press **ENT**.

3. Press ♦ to select **Check Sensors**, and then press **ENT**.

> **Settings**   *Info*
>
> **Check Sensors**   ♦

4. Press ♦ to scroll through the following information screens: **Positioning**, **Check GPS**, **Check Speed**, **Check Gyro**, and **Check Connection (networks)**.

5. To set the GPS signal for vehicle **Positioning**, press ◀▮▶ to select **GPS + gyro + speed pulse** or **GPS Only**.

6. GPS only mode can be used for cars that do not have the speed pulse signal hooked up to the car.

Inputting Your Home Destination

Note: Your must first input Home to Address Book

To quickly calculate a route home, you can pre-program a home address as a destination. GPS must first detect your current car position.

Setting a Home destination

To set the Home destination —

1. Press **MENU** at the map display screen.

2. Press ⬍ to select **Settings**, and then press **ENT**.

3. Press ⬍ to select **Input Home**, and then press **ENT**. Address book is launched and a contact or list of contacts display.

4. Press ⬍ to scroll through the list of contacts, and then press **ENT** to select a contact.

5. Press ◄▮► to highlight **Set To Home**, and then press **ENT.** A "Set to Home" confirmation displays with an announcement. (To see Details only press ◄▮►)

6. Press **BACK** to return to Navigation.

Alternatively you can enter a destination using the Enter Destination, Street Address option menu and "Store" the address in Address Book. Now when you attempt to find the Home Address for setting "Home" it will already be in the Address Book.

A confirmation message box will appear momentarily to confirm your selection. Your Home destination will now appear in the Address Book. Note that the Home destination in Address Book is distinguished from other entries by the Home icon.

Once you set your Home destination, you can use the "Home" speech command to quickly calculate a route home. You can also highlight and select Calculate in Address Book to start a calculated route.

Training Speech Commands

The first time you install Navigation, the system may prompt you to train new custom speech commands so that you can safely issue "hands free" Navigation commands.

To train speech commands during initial installation—

1. When prompted to train a word (i.e., Turn-by-Turn, Airport, Go There, Previous Destination, Gas Station, Arrival, Hospital, or Display Map) press **ENT**.

2. Wait for the prompting tone (♪).

3. Yellow progress bars start filling the first box. When the first progress bar lights up, say the command word that appears in the upper left corner.

4. **As prompted** by the second and third progress bars, **repeat the word two more times**.

A confirmation screen will appear when you have successfully trained a word. After a brief pause, the next word will appear. Repeat the steps above for each new word.

Viewing Information About the Program

To view program copyright and software version information—

1. Press **MENU** at the map display.

2. Press ⬍ to select **Settings**, and then press **ENT**.

3. Select **About Navigation**, and then press **ENT**.

4. Press ⬍ to view program information. (Provide this information when calling for technical support.) The screen displays program version, local language, copyright, database, and navigation engine information.

5. When you are finished, press **BACK** repeatedly to return to the map display.

FAQs and Troubleshooting

Q: **Why does it take time for the navigation to work when it is first selected?**

A: When the navigation application is launched it will take approximately 2 minutes for initialization. Also, the navigation may require time for calibration. The user may need to drive for about 1/2 hour to complete the calibration. This will only be required the first time the system is launched or after the program is reinstalled.

Q: **Why do I see a different location on the map when the navigation is selected?**

A: Each Navtech DCA map has a default location that is shown until the GPS is initialized. This should take only a few moments or it will correct itself when the car is moving. If the current location does not match the map, an ACC cycle or warm boot may be required.

Q: **How do I confirm the GPS is working properly?**

A: By reviewing the Settings menu, GPS information, you can confirm the number of satellites the system is acquiring. If your GPS antenna is not located in a clear area or if you are under a bridge or between tall buildings, no satellite may be seen. Move the car to a location where there are no obstructions or move the GPS antenna to a better location.

Q: **Why is there no navigation display?**

A: With ACC on, confirm the navigation application has been installed by viewing the Navigation menu from the shell menu. Confirm the Navtech CD or DVD is installed properly and not upside down. Be sure the application has been launched.

Q: Why does night mode not work?

A: Confirm that the display mode color is set to Auto and confirm illuminator is con-
         nected correctly (dealer may be required).

**Q: If everything was installed and all wiring has been confirmed and the system does
         not seem to work properly what can I do?**

A: First try to turn the ignition (ACC cycle) OFF and ON. If problems still exists perform
         a warm boot reset by using a ball point pen and pushing gently in on the faceplate
         left side above and to the left of the volume knob. This will reset all software drivers.

Glossary

Dead Reckoning - See GPS / Dead Reckoning Module.

DOP - Dilution of Precision. A collection of GPS data: factors like relative positions of satellites in the sky, latitude and longitude, car location and time of day, that pinpoint an accurate destination point.

Freeway Auto-Pop - Freeway mode automatically "pops up" when entering a freeway while following a calculated route.

GPS - Global Positioning System that utilizes a network of satellites to pinpoint your position anywhere in the world.

GPS / Dead Reckoning Module - A Joyride™ system USB Navigation unit UDR12 attached to the Joyride™ system source unit and required for receiving GPS satellite signals, gyro direction and vehicle speed pulse (signal) inputs for accurate car positioning.

GSM - Global System for Mobile communications standard. An international standard for digital, wireless communication. The Joyride™ system interacts with GSM mobile phones.

Freeway Mode - A navigation display mode where upcoming freeway and street exits are viewed during a calculated route.

H-Up
Heading-Up - The default map orientation that reflects the direction in which the vehicle is moving during a calculated route. See N-Up.

N-Up
North-Up -Map points North Up. Car icon moves in direction of travel.

Move Car Position - A method of setting a destination by accessing an address from Address Book.

POI - Point of Interest. A method of defining a destination using a Point of Interest (POI). POIs include gas stations, airports, hotels and restaurants.The POI of choice can be speech-trained.

TTS
The Text-to-Speech engine used by the Joyride™ system to announce on-screen text information, e.g., road names, distance to destination and estimated arrival time shown on a map.

Turn-by-Turn
A navigation display mode selectable by the user that provides speech assistance during car maneuvers (from street to street or freeway to freeway) to assist a driver in reaching a destination. See Freeway Mode.

Voice Tag - a trained speech recording assigned to a contact name and placed into Address Book. Used to locate a contact by issuing a speech command.

Wave file - The pre-recorded, speaking voice you hear that makes route announcements: e.g., used by the Joyride™ system, to issue the Turn-by-Turn voice guidance directions during a calculated route to a destination.

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