



# **XNAV3500P**

## **Portable GPS Navigation System**

### **Quick Start Guide**



## Preface

The XNAV3500P combines state-of-the-art turn-by-turn navigation with a built-in multimedia player. Before operating, take a few minutes to review the safety and operating instructions in this manual so you can quickly and safely become familiar with its many features.

This Quick Start Guide explains the system functions, and provides details on:

Safety information

Control locations

Setting up the unit

Navigation functions

Multimedia functions

System preferences

Please read this manual prior to operating your XNAV3500P.

### 1. Labeling Requirement (Section 15.19)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### 2. Information to User (Section 15.21 and 15.105)

**CAUTION :** Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note :** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## **Safety Information and Precautions**

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### **WARNING! PLEASE READ AND FOLLOW THE FOLLOWING SAFETY PRECAUTIONS. FAILURE TO FOLLOW THE INSTRUCTIONS BELOW MAY INCREASE YOUR RISK OF COLLISION AND PERSONAL INJURY.**

The warning screen is displayed each time the Navigation Icon is selected as a reminder to make use of the system's navigational aids in a safe manner. Before using the XNAV3500P, read this entire manual. Make sure that you are familiar with the features and know how to operate the system.

Proper use of the XNAV3500P includes the following guidelines: The navigation system is not a substitute for your personal judgment. The route suggestions should never supersede any local traffic regulation or your personal judgment and /or knowledge of safe driving practices. Prior to completing any maneuvers suggested by your navigation system (for example, a U-turn or a left turn), verify that you can legally and safely complete the maneuver. Do not follow route suggestions if they direct you to perform an unsafe or illegal maneuver, would place you in an unsafe situation, or would route you into an area that you consider unsafe. Glance at the screen only when necessary and safe to do so. Let the voice guide you. If prolonged viewing is necessary, pull off the road to a safe location.

The database may not include all emergency service providers. Use your own best judgment and ask for directions in these situations. If the vehicle is in motion, only a passenger should program the unit. The driver should not program the unit unless the vehicle is parked in a safe location. The map database provides information on suggested routes without regard to factors that may affect your driving experience or the time required to arrive at your destination. For example, the system does not reflect road detours, closures or construction, some road characteristics (e.g., road surface, slope or grade, weight or height restrictions, etc.), temporary traffic congestion, weather conditions, and similar factors.

## **Introduction to your Navigation System**

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As you travel, your navigation system functions as your co-pilot, providing turn-by-turn visual and voice assistance to direct you to your selected destination. Because the system knows where you are and where you want to go, it can quickly calculate step-by-step directions that provide a route to any destination available on the included navigation map. The map includes millions of roadway and mapping destinations, and preprogrammed point of interest (POI) locations in several different categories. Simply enter your desired destination into your navigation system, and its advanced intelligence does the rest.

With your navigation system, if you deviate from the planned route, the navigation system will automatically recalculate the route to determine a new one from your current location.

The navigation system uses Global Positioning System (GPS) satellites, and a digital roadway map database to calculate and display travel directions. The system's GPS antenna receives signals from a constellation of 24 satellites orbiting the earth and uses the strongest of signals, to determine your position to within meters. The navigation system's sophisticated software provides the highly accurate positioning necessary to provide real-time, accurate, turn-by-turn route guidance.

## **Vehicle Position**

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The navigation system's computer considers vehicle speed and heading changes, together with longitude and latitude information, to accurately determine vehicle heading and position on a digital map. This information is relayed to you as you proceed to your selected destination through audible suggestions, turn symbols, and the on screen map.

Signals from GPS satellites are used to determine the vehicle location. Three (good) or four (best) satellites must be received to accurately determine location. The GPS reception status is indicated by the GPS symbol on the map. See the GPS indicator section on page 14 for more information.

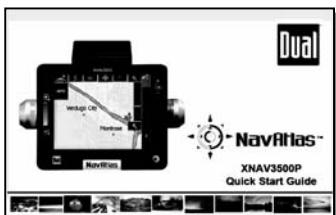
## **Map and Information Database**

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The map database used by your navigation system was created using high-resolution aerial and land based data collection and is stored on a memory card. This data is enhanced with useful travel information, such as freeway signage and approximately two million points of interest locations in several different categories, such as tourist attractions, gas stations, airports, and restaurants. While the database was judged to be as accurate as possible at the time of its release, a map database can never be 100% accurate. Road information that is maintained in the map databases, such as turn restrictions or road names may change over time. In addition, points of interests, such as restaurants, hotels, and gas stations, also change over time. The complexity of keeping this directory current means that some information may be missing or out-of-date at times.

## Package Contents

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**Quick Start Guide**



**XNAV3500P**



**Windshield Mount**



**Carry Bag**



**12VDC Adapter**



**USB Cable**

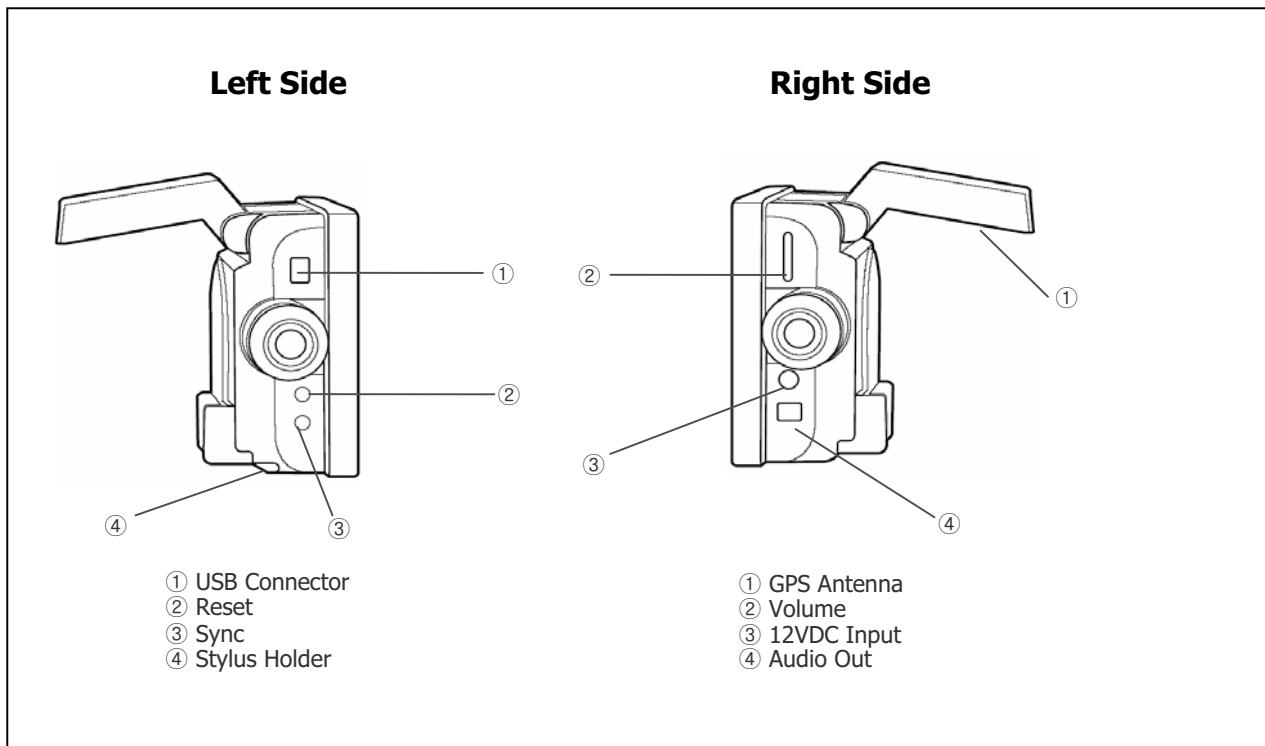
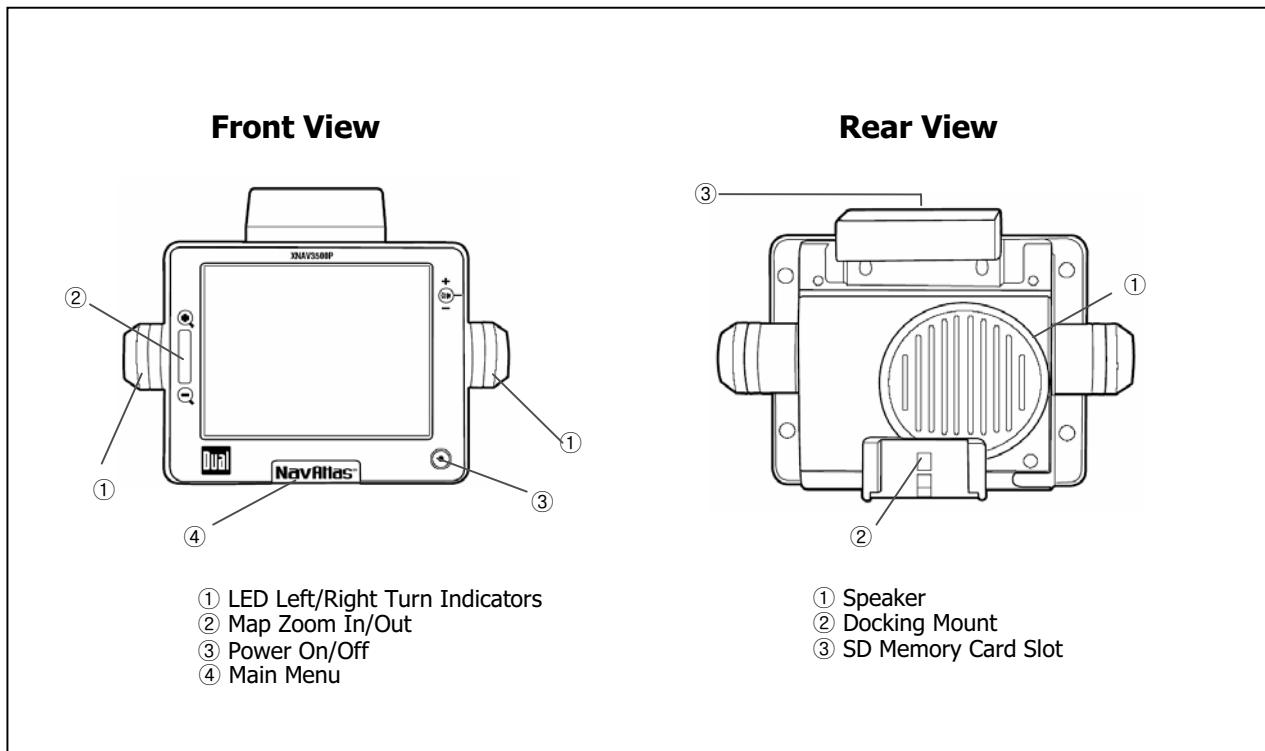


**Software Disc**



**Stylus**

## Control Locations



## Getting Started

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### Inserting an SD Card

Your device has an SD slot in the top. Digital maps and other data including MP3 files, movie files and image files can be added. To use the memory card, insert it with the connector pointing down into the slot, and the label facing the front of the device. To take out the card, please turn off the unit, slightly push down on the top of the card to release it, and then pull it out of the slot. Before you insert another card, please press the reset button.



### Mounting and Connecting

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1. First, clean the windshield. Then, push the center of the suction cup onto the windshield before pressing the suction lever down.

2. Slide the rectangular head of the suction cup mount into the corresponding part at the bottom rear of the unit.

3. Connect the supplied DC power adapter to the 12VDC connector located on the right side of the unit. Plug the other end into a standard vehicle cigarette outlet.

# Main Menu Screen

## Overview

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When you turn on the XNAV3500P the main menu screen appears as shown below. At the top right corner is a battery status indicator, including the actual percentage of charge remaining. The time is shown in the top left corner.

On the main menu, you will find the six modes of operation (NAVI, MUSIC, MOVIE, PICTURE, GPS and BRIGHTNESS). By clicking on the down arrow on the right, two more modes (TIME SET, & CALIBRATE) appear.

Each button represents a software function (NAVI, MUSIC, MOVIE or PICTURE) or a user setup function (GPS, BRIGHTNESS, TIME SET, or CALIBRATE). To access any of the modes, just tap the corresponding icon. Press the NavAtlas button to return to the main menu.



The following sections describe these eight functions.

## Navigation

This function guides you to your final destination using voice prompts and mapping, showing crossroads, city names and much more. It also provides various map-guiding modes and the approximate time left until you arrive at your destination. For your safety, it also lets you know when to make a turn, by illuminating blinking LEDs on the left/right side.

Touch the 'NAVI' icon on the main menu screen, and wait for the navigation program to load all the necessary data. For further information regarding navigation usage, refer to the full-length user manual contained on the software disc provided.



## Music

Want to listen to your favorite music on the go? Since the XNAV3500P includes a built-in MP3 player, just download and save your favorite MP3s to the root folder of any SD card to play.

Touch the 'MUSIC' icon on the main menu screen. Once the MP3 player skin loads, the upper screen in the player displays a playlist from which you can select a specific song. You can also use the slide control at the lower right to select the point of a song you want the music to start.

There are more buttons visible in the lower section of the player skin including rewind, play/pause and repeat to repeat the current song. Volume and mute are also provided.



## Movies

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Movies on the go? Since the XNAV3500P includes a built-in video player, just download and save your favorite compressed video files to the root folder of any SD card - then enjoy them on the XNAV3500P. Touch the 'MOVIE' icon on the main menu screen. Once the movie player skin loads, the upper screen in the player displays a playlist from which you can select a specific movie file. A movie file can also be selected using the 'up/down' arrow buttons. Once you are ready, simply tap the 'Play' button at the bottom center.

During video playback, if you want to go back to a certain point, all you have to do is to touch the screen, and it will freeze to allow you to move the slider along the bottom to a specific part of the movie. Touching the screen again will resume playback.

\* Supported format: MPEG4

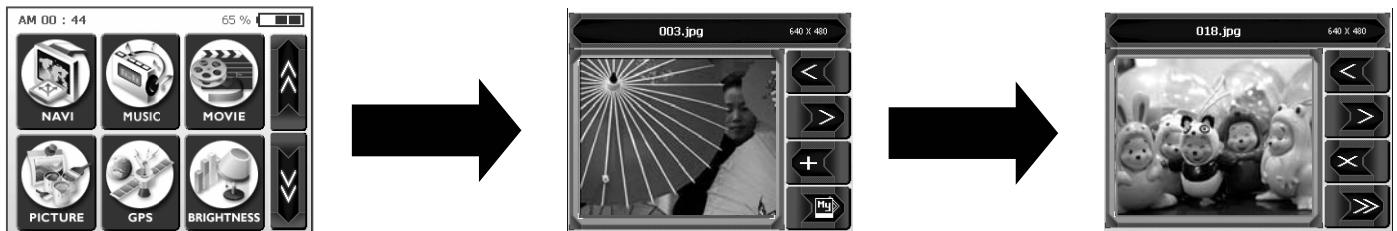


## Picture

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You want to take your precious photos with you, everywhere you go? Since the XNAV3500P includes a built-in image viewer, just download and save your favorite image files to the root folder of any SD card - then enjoy them on the XNAV3500P. Touch the 'PICTURE' icon on the main menu screen.

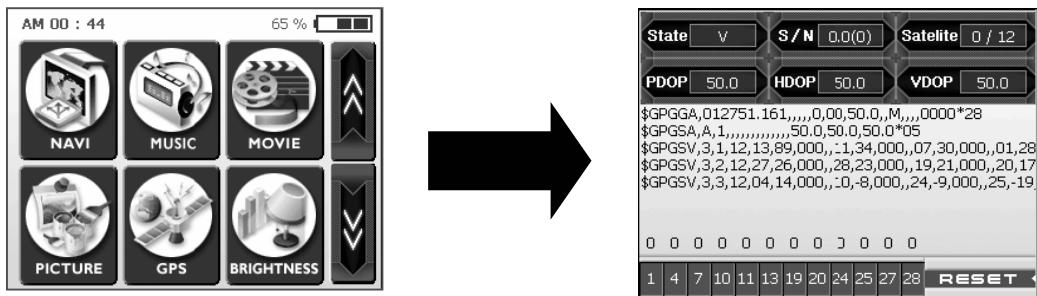
Once the image viewer skin loads, you will see a frame with an image on the left and various buttons to the right. The left arrow goes back to the previous image while the right arrow advances to the next image. If you want to see a picture in full screen mode, just touch the screen anywhere on the image, and it will automatically enter the full screen mode. The '+' button adds the currently viewed image to your photo album, and the 'My' button takes you to the photo album. In the photo album screen, the 'X' button deletes the image from the album and the double right arrow enters full screen mode.



## GPS

If the navigation appears to be unstable or erratic, check the satellite acquisition signal strength received by the GPS antenna. You can also reset the GPS receiver by going into the 'GPS' menu from the main menu screen and pressing 'RESET'.

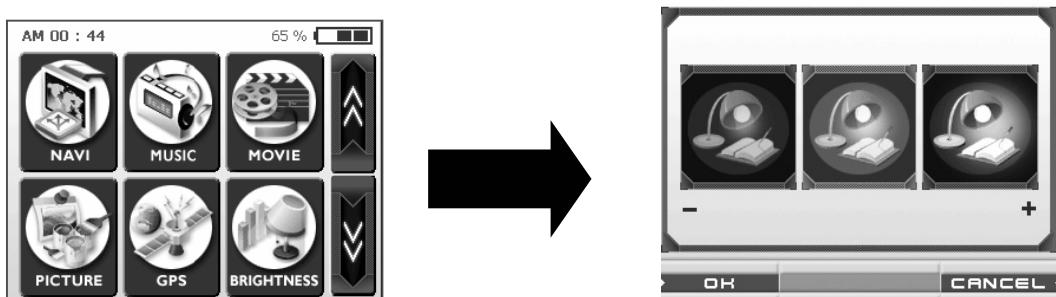
Touch the 'GPS' icon on the main menu screen. Once in the GPS diagnostic screen, 'State' displays the overall performance of the GPS antenna in terms of acquiring satellite signals. V indicates failure, and 2D/3D indicates the performance is satisfactory for navigating. 'Satellite' indicates which satellite signals are being acquired from all that are available. PDOP (Positional Dilution of Precision), HDOP (Horizontal Dilution of Precision), and VDOP (Vertical Dilution of Precision) indicate the accuracy of the acquired signal. At the bottom, cells with unique numbers represent the satellites, and graphic bars show the current detailed status in obtaining a signal from each satellite.



## Brightness

The XNAV3500P brightness is set to a default setting of medium. You may select another level by using any of three available brightness settings.

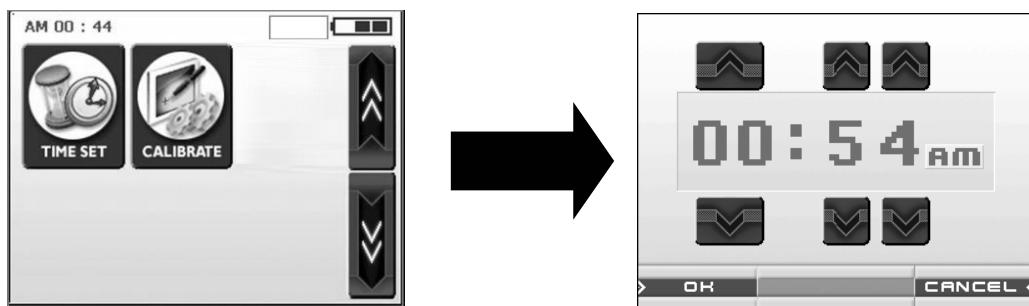
Touch the 'BRIGHTNESS' icon on the main menu screen. Three icons will appear, each indicating a different degree of brightness. The one at the left provides the darkest LCD, the middle gives a moderately lit LCD, and the right produces the brightest LCD screen. Tap the desired level to change the brightness. Touch the 'OK' button to exit, or undo the change by tapping 'Cancel'.



## Time Set

To set the time, touch the 'TIME SET' button on the main menu screen. See page 7 for additional information on accessing this screen.

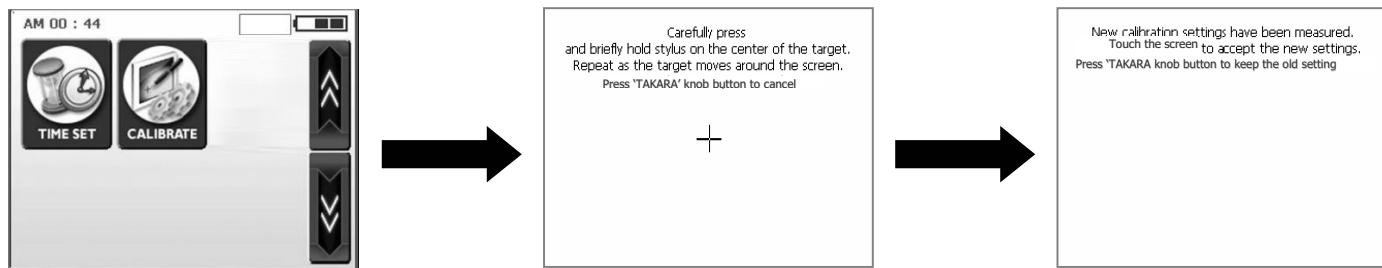
You will see up/down arrows over/under the first set of double figures; these will increase or decrease the 'hours'. Up/down arrows over/under the next two single-digit figures adjust the minutes. A small AM/PM section is at far right; touching it will toggle between the two. Touch the 'OK' button to save the time and exit, or undo the change by tapping 'Cancel'.



## Calibrate

If the touch screen of your device is operating incorrectly, you can adjust it with the 'CALIBRATE' mode. Touch the 'CALIBRATE' icon on the main menu screen. See page 7 for additional information on accessing this screen.

To begin the calibration, tap and hold the center of the target. When the target moves to another position, tap and hold again. Repeat the same step to complete the adjustment. Once the calibration is complete, a new screen with a message reading "New calibration settings have been measured" will appear. If you want to keep the changed settings, just tap the screen, or press the NavAtlas button located on the front to return to the main menu.



# Transferring Files

## **Using Microsoft® ActiveSync® with the USB Cable**

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You need to install the included Microsoft ActiveSync software on a PC in order to transfer maps, music, or movie files. Insert the Microsoft ActiveSync disc in your PC and follow the on-screen instructions.

Next, connect the mini-USB end of the USB cable to the USB connector located at the top left and the other end to a USB port on your computer. Make sure ActiveSync is running and press the sync button at the bottom left to synchronize the XNAV3500P to your PC.

Browse to the SD storage card by going to [My Computer], [Mobile Device] and finally [Storage Card]. Select and copy your desired files/folders from your PC to [My Computer]-[Mobile Device]-[Storage Card].

Visit the Microsoft website for more information at  
<http://www.microsoft.com/windowsmobile/downloads/activesync38.mspx>

## **Using an SD Card Reader**

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Insert the SD memory card into an SD card reader. Once the SD reader recognizes your SD card, move the desired files/folders to the SD card. Refer to the instruction proved with your SD card reader for more information.

# Operating the Navigation Software

## Hardware Keys

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**Zoom in/Zoom out key** – Functions only in map view mode.

**Volume Control** – Turn the control upward to increase the volume; downward to decrease.

### Software keyboard

A software keyboard appears at the bottom of the screen when text entries are necessary. Only capital letters can be entered.

**Entries** – You can carry out all entries by tapping with the stylus or your finger on the software keyboard.

**Switching between character and number entry** – Tap the  icon to enter numbers. For a postcode; tap the  icon to return to the character entry mode.

**Enter a space character, delete a single character** – Tap the  key to insert a space character; tap the  key to delete the character to the left of the insertion mark.

**Special characters** – When you tap a key, a line above the software keyboard appears that lists all characters that may be entered by this key. The active character is highlighted.

**Moving the cursor** – To delete a character other than the one to the left of the cursor position, or insert a character at a place other than at the end of the text, move the cursor by tapping the location where you want it.

## Command buttons

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Icons – The following buttons appear at the right of every navigation screen:



**Return** – Tap this icon to return to the previous screen. This icon is not available on the **Main Screen**.



**Main Screen** – Tap this icon to open the main screen. This icon is not available on the **Main Screen**.

## Global Positioning Satellite Status Icon and Screen

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**GPS** – The **GPS** symbol is placed at the top right corner of the screen. The color of this icon and the number displayed have the following significance:

**Red** – A GPS receiver is not connected or the power supply is interrupted.

**Orange + number of received satellites** – A GPS receiver is connected, but the received signals are not convenient for navigation purposes (for example, because you are in a tunnel).

**Green + number of received satellites** – The signals are convenient; navigation may begin.

Tap the **GPS** icon to display the current GPS status:

**GMT** – Greenwich Mean Time (time in London, without daylight saving time).

**Longitude / Latitude** – current position; indication of east longitude and north latitude.

**Satellites** – Number of received satellites. At least three satellites must be received for navigation purposes.

**HDOP** – Horizontal Dilution of Precision indicates the quality of position determination. Theoretically, any value from 0 to 50 can occur. The smaller the value, the more accurate the position.

**Speed** – Indicates your vehicle's current speed.

**Position** – Indicates the address of your current position.

**Save** – Tap this button to add the current address to the saved destinations list.

**Quit** – Tap this button to exit the GPS screen.

## Command Buttons with Caption

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**Command buttons** – You will find command buttons with captions on almost every screen.

There are three groups of command buttons:

1. **Command buttons with a defined functionality.** These buttons are designed to execute a functionality, which is indicated by their caption: **Save, OK, Cancel, Select map, One destination**, etc.
2. **Buttons to select one of two possibilities.** Use these buttons to select one of two options. The current state is indicated by the caption of the button: **User mode, Yes-No, On-Off**. When you tap one of these buttons, the caption switches to the other possibility. Confirm this change by clicking another button (**OK** or **Save**) before the current screen closes.
3. **Buttons to enter data.** These buttons will be referred to as entry fields throughout this guide. The caption is either your last entry or **<please select>: City, Street, Category** (of a POI), etc. When you tap an entry field, another screen with a software keyboard, a list, or with both of them opens where you can make your entries. Confirm this entry by clicking another button (**OK** or **Save**) before the entry screen closes. Your entry becomes then the caption of the entry field.

## A Note on Standard Mode:

Standard mode provides reduced functionality to allow quicker access to simple operations. Work in Standard mode if you do not need such functions as Route Planning, or indicating a destination on the map. These Quick Start Guide instructions are for Standard mode. Please refer to the detailed Owner's Manual for instructions involving more complex operations.

## Starting Navigation

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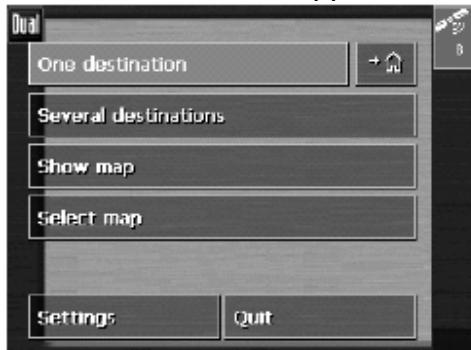
Turn on the XNAV3500P.

At each start, the following message appears:



Tap the **I accept** button. If you tap the **I refuse** button, the device turns off.

The **MAIN SCREEN** appears.



**Notice:** When you turn the unit on, it shows the screen which was displayed when unit was turned off. You can still access the Main screen from all other screens by tapping:

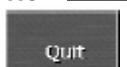


**New destination** – Tap this button to indicate a destination for navigation.

**Navigate home** – Tap the **Home** button  to navigate to your home address.

**Select map** – Tap the **Map** button  to select another map from the memory card.

**Settings** – Tap this button  to modify the settings.

**Quit** – Tap this button  to quit.

## Entering a destination

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In the **MAIN MENU**, tap **New destination**.

The **DESTINATION** screen opens.



Tap the **Region** entry field and select the destination state or province/territory.

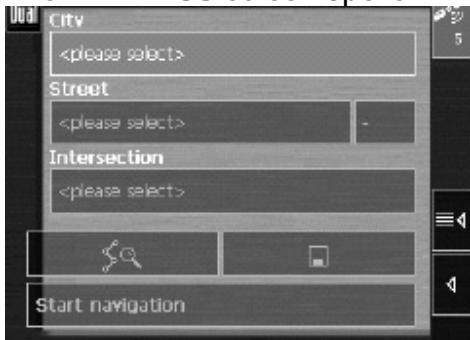
**Note:** Only states that are at least partly represented on the currently loaded map can be selected.

## Entering an address

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1. On the **DESTINATION** screen, tap **Address**.

The **ADDRESS** screen opens.



2. Enter the name of the destination city into the **City** entry field. For cities in the United States you may also enter the Zip code.

3. Enter the destination street into the **Street** entry field.

4. Enter a house number into the House number field at the right hand side of the street if possible.

**Note:** You do not need to enter a street suffix, or a street type to get a search result. For example, if you are looking for a street called "S Main Avenue", simply type in "main".

5. Enter a house number into the **No.** field at the right hand side if possible.

**Note:** If the house numbers of the respective street are stored in the database of places, you may tap the field besides the **Street** field. If no house numbers are stored, the respective field is deactivated. The software navigates to the respective street.

6. Enter the name of a crossroad into the **Intersection** entry field if you want to define an intersection as destination point (e.g., because the house number is not available).

## Selecting a Point of Interest

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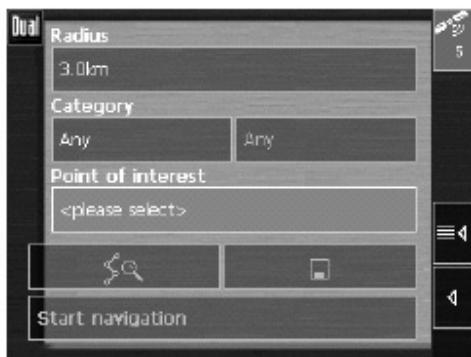
**Points of Interest** – also referred to as POIs – are stored in the database of places and may be displayed on the map. Ports, airports, restaurants, hotels, gas stations, public buildings and others belong to the Points of Interest. They may be selected as destinations for navigation purposes.

### Point of Interest nearby

**Note:** You may only select points of interest nearby when the GPS receiver is turned on and when the GPS signal strength is sufficient.

1. On the **DESTINATION** screen, tap **Nearby**.

The **POI NEARBY** screen opens.



2. Enter the radius around your current position within which you want to search for points of interest into the **Radius** entry field.
3. Select the main category of points of interest to search for from the left one of the two **Category** list fields, e.g., "Garage". Only points of interest situated within the indicated radius will be displayed.
4. Select the **Subcategory** of Points of interest to search for from the right one of the two **Category** list fields, e.g., "General Motors", "Ford Mercury Lincoln", "Chrysler Dodge Jeep".
- Note:** If you leave the **Subcategory** field empty, all Points of Interest matching with the selected main category will be listed in the **Point of Interest** list field.
5. Select the correct destination from the **Point of Interest** list field.

## Point of Interest in another city

1. On the **DESTINATION** screen, tap **In another city**.

The **POI IN ANOTHER CITY** screen opens.



2. Enter the name of the city in which you want to search for points of interest into the **City** field.

3. Select the main category of points of interest to search for from the **Category** list field (e.g., Culture). Only categories matching your City entry are listed.

4. Select the **Subcategory** of points of interest to search for from the right one of the two **Category** list fields (e.g., Museum).

5. Select the correct destination from the **Point of Interest** list field.

**Note:** You need not make entries into the **Category** and **Subcategory** fields. Their purpose is only to shorten the **Point of Interest** list. This list may become extensive, especially in major cities.

## Starting navigation

1. Enter a destination.

2. Tap **Start navigation**.

The system calculates the route.

The map screen opens. Your current position is indicated by a red arrow. The route is highlighted in green.



**Note:** When you start navigation after having planned or loaded an itinerary, your current position is the start point of the route. The first indicated route point is then the first stage point of your route.

## Working with the map

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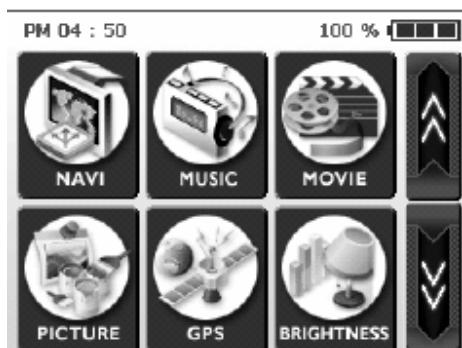
### Selecting a map

The DVD-ROM included contains complete US maps along with Canada and Hawaii. To use one, copy it to the SD memory card by means of a card reader or using ActiveSync software.

To load another map that is available on the currently inserted memory card, proceed as follows:

1. If the desired map is on a memory card other than the currently inserted card, open the **MAIN SCREEN** and tap the **Quit** button.

The main menu screen appears.



- a. Remove the memory card
- b. Insert the memory card containing the desired map
- c. On the initial screen, tap the **NAVI** icon to begin.

2. On the **MAIN SCREEN**, tap the **Select map** button.

The **AVAILABLE MAPS** screen opens:



3. Tap the desired map.

4. Tap **OK**.

When the selected map is loaded, the **MAIN SCREEN** opens.

## Operating the map

You may display the map:

1. While planning an itinerary
2. To show destinations on the map
3. To select destinations on the map

You may display the map via the **Show map** button on the **MAIN SCREEN**.



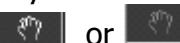
On the **DESTINATION** screen you may tap the **SELECT ON MAP** button to display the map. The map is being displayed automatically when you are navigating.



*Tapping the map* The icons appear when you tap the map. If you tap a place on the map and hold, information on this place will be displayed and you can take over the data for navigation purposes.

## Icons

The following icons are displayed on the map:

Tap the **Zoom/Scroll** icon  or  to switch between Zoom and Scroll mode.



**Zoom**

In Zoom mode (the icon appears white) you may scale the map up or down. Zoom in by drawing a rectangle on the map, beginning with the upper left corner. Zoom out by beginning with the lower right corner.



## Scrolling

In Scroll mode (the icon appears red) you may scroll the map. Tap on the screen and drag to the desired direction.



## Itinerary planning

This icon is active when a calculated itinerary is loaded. Tap the **Itinerary** icon to display the whole itinerary. Tapping this icon again will display the precedent representation of the map.

*Map in driving direction/north oriented*

Tap the **In driving direction/North oriented** icon

 /  to switch between the two available modes of map orientation.

(North orientation / orientation in driving direction).



## North orientation

Tap this icon to orientate the map north up. (the icon appears white).



## In driving direction

Tap this icon to orientate the map in driving direction. (the icon appears red).



## 3D view (GPS reception necessary)

Tap the **3D** icon to display the map in 3D mode (bee flight view).

The icon becomes the 2D icon. Tap the **2D** icon to return to the 2D mode (standard). The icon becomes the 3D icon.



## Center (GPS reception necessary)

Tap the **Center** icon to center your current position on the map.



## Zoom bar

Tap one of the zoom bar sections to modify the scale of the map.



## Auto mode (GPS reception necessary)

Tap the **Auto** icon to display the standard representation of the map after you have modified the view. The settings of north orientation and auto zoom mode will be applied. Your current position will be centered. The icons will not be displayed.

## Selecting an entry from a list

There are many situations in which it is necessary to select an entry from a list. For example, if you have not completely entered the name of a city before tapping **OK**, a list appears that contains all cities beginning with your entry or including it in the name. The postcode of the cities is also indicated in order to allow you to choose the correct one if there is more than one city with the same name.

*Entry with focus* One of the entries has the focus. This entry is written in bold and is placed a little more at the left than the other entries of the list. Moreover, there is often some additional information on that entry in a 2nd or 3rd line. In a list of cities, there is indicated the county the respective city belongs to.

*Icons* At the right hand side of lists, there are three icons:



**OK:** Tap this icon to confirm the selection of the entry with the focus (placed directly at the left of the OK icon).



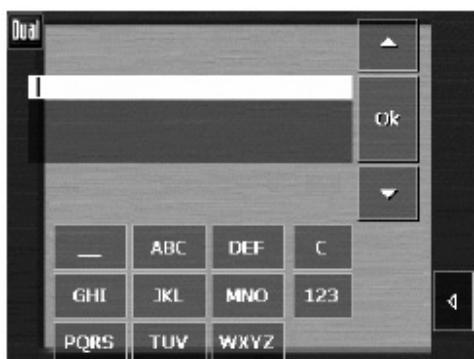
**Up:** Tap this icon to scroll the list one item up.



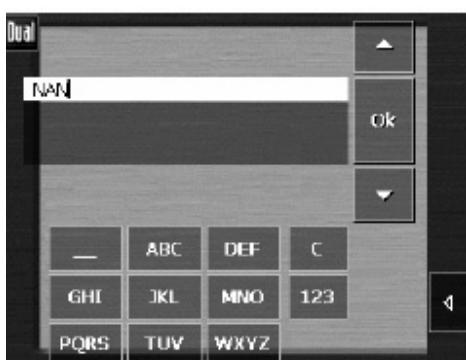
**Down:** Tap this icon to scroll the list one item down.

**Example:** Search for NANTON.

1. In the **MAIN MENU** tap **New destination**. The **DESTINATION** screen opens.
2. Tap **Address**. The **ADDRESS** screen opens.
3. Tap the **City** entry field. The software keyboard appears, and the cursor is blinking in an empty entry field.



4. Enter the letters NAN.



5. Tap **OK**.

All cities beginning with NAN or having NAN in their names are listed.



When the list is very long, you may enter one more letter in order to shorten the list.

6. Enter T.



7. Tap **OK**.

All cities beginning with NANT or having NANT in their names are listed.



8. Tap the **Down** icon repeatedly until NANTON appears directly under the white entry field. The entry NANTON has the focus.



9. Tap **OK**.

The **ADDRESS** screen reappears. NANTON is entered into the **City** field.



## Additional Functions

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Tap the **Additional functions** icon to display the **ADDITIONAL FUNCTIONS** screen. The availability of some functions depends on whether you are in navigation mode or not.

The **ADDITIONAL FUNCTIONS** screen opens.



 Tap the **Day** icon to adapt the luminosity of the screen to daylight conditions.

 Tap the **Night** icon to adapt the luminosity of the screen to night conditions.

## Representation of the map in navigation mode

In navigation mode, there is some assistance for navigation, some information on the itinerary and one more command button being displayed:

### Assistance for navigation

The following assistance for navigation is being displayed at the left and at the bottom of the map:



### Field Information

1. If there are two maneuvers to be executed quickly one after the other, the small upper arrow field indicates the maneuver to be executed immediately after the next maneuver.
2. The red arrow indicates your current position on the map. Because the displayed sector of the map constantly changes, your current position is centered on the map whenever possible (Moving Map).
3. The bigger arrow field indicates the next maneuver to be executed.
4. The distance field indicates the distance to the next maneuver. When you approach, the representation changes into a distance bar:



5. The more yellow bars are displayed the nearer you are to the place where the next maneuver must be executed.
6. The upper street field indicates the name of the next street to turn on. The lower street field indicates the name of the street you are currently on.

### Information on the itinerary

At the right of the map, the following information on the itinerary is being displayed:



## Field Information

-  This symbol means "stage." All information displayed below refers to the next stage point.
-  12:59 pm ETA (Estimated Time of Arrival).
-  00:00:01 Remaining time to arrival (estimated).
-  6m's Remaining distance to arrival (estimated).
-  Tap this icon to repeat the last spoken instruction. All available information will be displayed.

**Home address** – On the **HOME ADDRESS** screen, you may save your home address to quickly start navigation homewards from anywhere.

1. Tap **Enter your home address**.

The **DESTINATION** screen opens.

3. Tap the **Address** button and enter your home address.

4. Tap the **Set as home address** button.

The address is indicated on the **HOME ADDRESS** screen.

Dual Electronics Corporation  
21318 64<sup>th</sup> Ave. South  
Kent, WA 98032  
Technical Support: 1-866-429-1628  
[www.dualav.com](http://www.dualav.com)

Quick Start Guide Version 1.0  
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## **Limited One-Year Warranty**

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This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

Dual Electronics Corp. warrants this product to the original purchaser to be free from defects in material and workmanship, under normal conditions, for a period of one year from the date of the original purchase.

Dual Electronics Corp. agrees, at our option, during the warranty period, to repair any defect in material or workmanship or to furnish an equal new or renewed product in exchange without charges, subject to verification of the defect or malfunction and proof of the date of purchase.

**During the One-Year Warranty Period:** For One Year from the date of purchase, your product will be replaced with a new, renewed or comparable product (whichever is deemed necessary) if it becomes defective or inoperative. This is done without charge to you. Replacement products are warranted for the balance of the original warranty period.

**Who is covered?** This warranty is extended to the original retail purchaser for products purchased and used in the U.S.A.

**What is covered?** This warranty covers all defects in material and workmanship in this product. The following are not covered: installation/removal costs, damage resulting from accident, misuse, abuse, neglect, product modification, improper installation, incorrect line voltage, unauthorized repair or failure to follow instructions supplied with the product, or damage occurring during return shipment of the product.

**What to do?**

**If purchased within the USA:**

1. Before you call, check your owner's manual. A slight adjustment may save you a service call.
2. If you require service during the warranty period, you must carefully pack the product (preferably in the original package) and ship it by prepaid transportation with proof of the purchase date from the retailer to the Return Center address listed below.
3. Please describe your problem in writing and include your name, a return UPS shipping address (P.O. Box not acceptable), and a daytime phone number with your shipment.
4. DUAL will pay the return shipping charges if the product is returned to an address within the 48 contiguous states.

Dual Electronics Corp.

Attn: Returns Center  
21318 64th Ave. South  
Kent, WA 98032 U.S.A.  
Toll Free: 1-866-626-7863

**If purchased outside the USA:**

Please return the unit to original place of purchase for warranty service.

**Exclusion of Certain Damages:** This warranty is exclusive and in lieu of any and all other warranties, expressed or implied, including without limitation the implied warranties of merchantability and fitness for a particular purpose and any obligation, liability, right, claim or remedy in contract or tort, whether or not arising from the company's negligence, actual or imputed. No person or representative is authorized to assume for the company any other liability in connection with the sale of this product. In no event shall the company be liable for indirect, incidental or consequential damages.