

Intellinav3



User's Manual



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Getting Started

Congratulations on your purchase of the Intellinav 3 system. Your Intellinav system can guide you to the destination of your choice using signals from Global Positioning Satellites (GPS) orbiting the earth.

There are 24 GPS satellites orbiting the earth. A GPS device can calculate your position on the earth if it can receive signals from at least three of these satellites. When it receives at least four signals, a GPS device can also calculate your altitude (height above sea level).

You can start using your Intellinav system by simply mounting the holder on your car's windshield or dash, plugging in the charger, and turning it on. Make sure the battery On/Off switch on the bottom of the unit is in the On position, then press the Standby button on the top.

For your safety and the safety of others, please do not operate the system while driving. It is dangerous to do so. When you want to enter an address or change a setting, please pull over and park the car in a safe area first. You should always pay full attention to the road and use the system only as an aid, by taking only glances at a time, and listening to the voice prompts.

An inexperienced driver should NOT use the system.

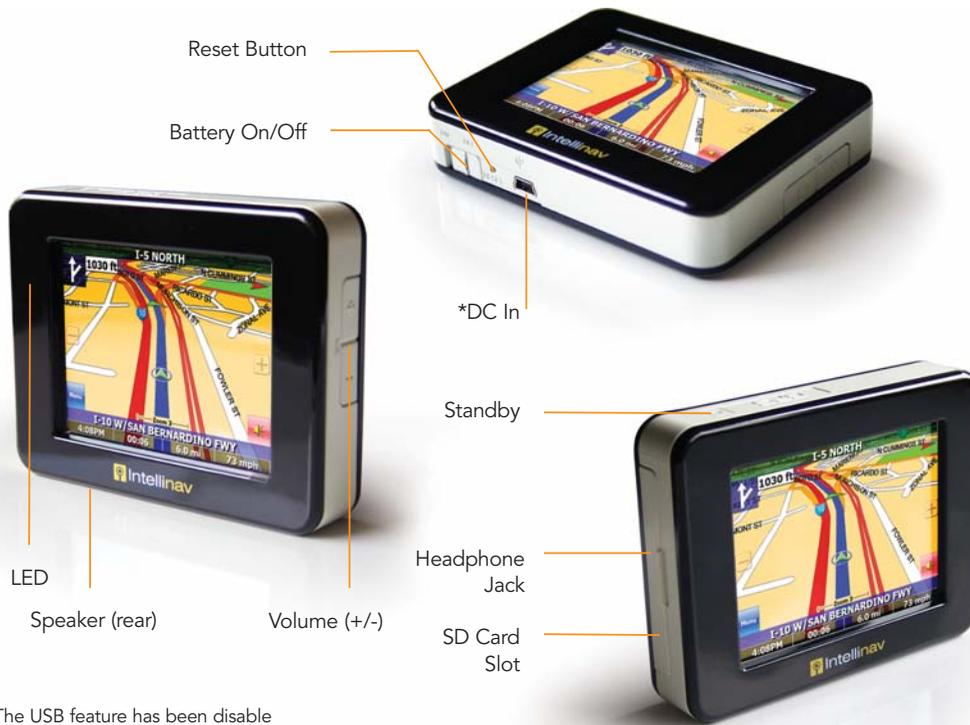
UV-protected Windshield

UV-protected windshield in certain vehicles reflects UV-rays as well as satellite signals. Although the Intellinav 3 is equipped with SiRF's high sensitivity GPS receiver, the acquisition time is drastically affected. It is not recommended to use Intellinav 3 in vehicles with UV-protected windshield.

Theft

As it is dangerous to leave any valuable item visible in a parked car, portable navigation systems have been targets in many theft crimes. Please store the Intellinav 3 in a non-visible area or carry it with you, after parking the car.

Basic Operation



Mounting on the Windshield

1. Clean the surface of the windshield using rubbing alcohol.
2. Press the suction cup firmly against the windshield.
3. Press down the lever to fix the suction cup in place.



NOTICE TO DRIVERS IN CALIFORNIA AND MINNESOTA: State law prohibits drivers in California (CVC 26708(a)) and Minnesota (169.71, Minnesota Statutes 2006) from using suction mounts on their windshields while operating motor vehicles

Mounting on the Dashboard

1. Remove the adhesive cover on the disc, and stick the disc on the dashboard.
2. Press the suction cup firmly against the disc.
3. Press down the lever to fix the suction cup in place.



Mounting the Cradle and GPS

1. Insert the GPS unit bottom in first, and then lock it using the lever on the top.
2. Adjust the angles of the arms to achieve the best viewing position.



Charging the Battery

1. Prior to first use, please use the AC adapter to fully charge the unit for 4-6 hours, until battery LED turns green.
2. In the vehicle, you may plug in the car charger to provide continuous power. On a full charge, the unit can operate between 2 to 3 hours.
3. To charge the battery, the Battery On/Off switch at the bottom of the unit must in the On position.
4. To preserve battery power when the unit will not be used for an extended period, set the Battery On/Off switch to the Off position.

Starting Intellinav

Press the Standby button. If the Battery On/Off switch on the bottom of the system is in the Off position, set it to On first.

Tap **Navigation**. A warning screen appears.

Tap **I Agree** after you have read and agreed to the warning. The map view appears and you are ready to set your first destination!



Getting GPS Signal

To use the Intellinav system to guide you to a destination, the system's GPS antenna must receive GPS signals. GPS signals can be obstructed by ceilings, trees, and nearby tall buildings. Signals can also be obstructed by the roof of your vehicle. For best results, position your Intellinav system where it has a clear view of the sky. The very first time turning on the system may take as long as 15 minutes to obtain a valid GPS fix. Once the

first GPS fix is obtained, thereafter, it should normally take no more than 30 seconds to 1 minute to obtain a valid GPS fix.

There are 3 ways to view the state of the signal:

1) Car Cursor 

The status of the GPS signal is represented in the car cursor color:

Red: Acquiring GPS signal

Yellow: Weak GPS signal

Green: GPS signal locked and ready to navigate

GREY: Connectivity to GPS lost. Try turning the power switch off and then back on. If the condition persists, contact Netropa Technical Support.

2) GPS signal strength meter.

White: Acquiring GPS signal

Yellow: Weak GPS signal

Green: GPS signal locked and ready to navigate.

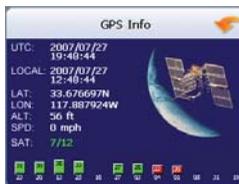


3) For detailed information about the GPS operational state, please see the GPS Information screen.

GPS Information

To view the GPS information:

1. Tap Menu
2. Tap Information.
3. Tap GPS Information.
The GPS Information screen appears.



If you need to enter numbers, tap the 1-2-3 button, and the numeric keyboard appears:



Entering Data on the Intellinav System

The Intellinav system doesn't have a physical keyboard. Instead, you tap the screen to enter data. When you are entering data, a screen containing the letters of the alphabet appears:

Enter Street Name



As you tap the buttons on the virtual on-screen keyboard, the list at the top of the screen scrolls to show the next item that matches the letters you've tapped.

Moving Through the Screens

The Intellinav system shows you one screen at a time. Each time you tap a button, a new screen appears. If you want to return to go to the previous screen, tap the ↶ in the upper right corner of the screen. If you want to go back to the map view directly, tap the ↷ button on the upper left corner of the screen.

Resetting the Intellinav System

You should never have to reset the Intellinav System under normal circumstances. However, in the event that a problem cannot be corrected, you may reset the Intellinav System by pressing the Reset button on the bottom of the system, using a pen or paper clip. Alternatively, you may simply turn the Power switch off, and then back on.

Working with the Map

The Intellinav system gives you many ways of looking at the map. You can see your current position, view any of the turns on a route, or pan the map to view other areas. You can zoom in and out, and find information about specific locations.

Map View

The map view on the Intellinav system shows your current location.

At the bottom of the map is a scale indicating your current zoom level. On the upper right is the compass. On the center right and left are zoom in and out buttons, respectively.



Maneuver Detail

If you have set a destination, the map displays additional information. As you navigate to a destination, the top of the map displays the name of the next street, the direction of your next turn and the distance to the turn.

At the bottom of the map you see the estimate of how much time remains before arriving at your destination, the remaining distance to your destination, and your current speed.

On the upper left is an arrow indicating the direction and the type of maneuver ahead, as well as the remaining distance to the next maneuver. A smaller arrow represents the following maneuver.



Panning the Map

You can pan the map by tapping and dragging the map. To return to the regular map view, tap the X button.



3D Map View

You can change the perspective of the map display to 3D or bird's eye view.

To change to 3D view:

1. Tap **Menu**. The Main Menu appears.
2. Tap **Settings**. The Settings screen appears.
3. Tap **Display Options**. The Display Option screen appears.
4. Select from 2D, High, Medium and Low, which represents the inclination of the 3D map display.



To view the route list:

1. Tap **Menu**. The Main Menu appears.
2. Tap **Information**. The Information screen appears.
3. Tap **Route List**.
4. Tapping an item on the list and then tapping **Show** will display the the maneuver on the map.
5. Alternatively, you may call up the route list by simply tapping on the next street bar on the top of the map screen.



Route List

If you have set a destination, you can view a list of the maneuvers that make up your route.

Current Location

You can find location information about any point on the map by pressing firmly on the map for one second. A screen appears giving you the opportunity to set the location as the Start or the Destination, and save the location to your Favorites list, or view information.

From the Information screen you have several options:

- Set Start Location
- Set Stopover (with an existing route)
- Set Destination
- Save This Location
- Information



Setting the location as a starting point is useful if you are trying to find the distance between two locations.

Setting the location as your destination is a quick way to set a destination.

Saving the location adds the location to your Favorites list (you'll learn more about Favorites later in this manual).

You can also get additional information about the current location, including latitude and longitude.

POI Information

To view information about a POI on the map, tap on the icon on the map. The POI(S) screen will appear.



Screen Tap Areas

Tap in designated areas on the map display for shortcuts to handy functions.

Entering Your Route

You can set a destination with the Intellinav system many different ways. Once you have set a destination, you can add a detour or a stopover.

The Intellinav system also offers an Itinerary feature, where you can enter up to 100 destinations and use the Itinerary screen to re-order destinations as you like.

Setting a Single Destination

You can set your destination the following ways:

- Address
- Intersection
- Point of Interest (POI)
- Favorites
- Recent
- City Center



When you have found your destination, you have several options:

- Nav
- Fav
- Show



Nav calculates the route from your current location (or the location you set as a starting point) to the destination.

Fav adds the destination to your Favorites list. Your Favorites list is a list of locations that you can add destinations to. You can also enter a name for a destination and delete destinations from the list.

Show displays the location on the panning map without calculating a route. You can also use it to manually set a starting point for a route.

Using an Address as a Destination

There are two ways to enter the address: by selecting the street first, or by selecting the city first. If you use Street First and too many records match, you will be asked to use City First.

NOTE: *You will be prompted for the street name first, then the house number.*

To Enter an Address as a Destination Using Street First:

1. Tap **Menu**. The main menu appears.

2. Tap **Destination**. The Set Destination screen appears.
3. Tap **Address**. The Input Method screen appears.
4. If you need to change the region:
 - a. Tap **Change State**. The Enter State Name screen appears.
 - b. Tap the **Letters** to enter the name of the region or State, or tap the name in the list.
 - c. Tap **OK** when you have selected the region or State. You will return to the Input Method screen.
5. Tap **Street First**. The Enter Street Name screen appears.
6. Tap the **Letters** to enter the name of the street. Tap **OK** when you have selected the street. The Enter House Number screen appears.
7. Tap the **Numbers** or Letters **A-D** to enter the house number. Tap **OK**. The Select Address screen

appears.

8. Select the address that matches the location you want to go to and tap **Nav**. The map appears, and the guidance directions begin.

To Enter an Address as a Destination Using City First:

1. Tap **Menu**. The main menu appears.
2. Tap **Destination**. The Set Destination screen appears.
3. Tap **Address**. The Input Method screen appears.
4. If you need to change the region or State:
 - a. Tap **Change State**. The Enter State Name screen appears.
 - b. Tap the **Letters** to enter the name of the region or State, or tap the name in the list.
 - c. Tap **OK** when you have selected the region. You will return to the Input Method screen.
5. Tap **City First**. The Enter City Name screen appears.

6. Tap the **Letters** to enter the name of the City. Tap **OK** when you have selected the City. The Enter Street Name screen appears.
 7. Tap the **Letters** to enter the name of the street. Tap **OK** when you have selected the street. The Enter House Number screen appears.
 8. Tap the **Numbers** or Letters **A-D** to enter the house number. Tap **OK**. The Select Address screen appears.
 9. Select the address that matches the location you want to go to and tap **Nav**. The map appears, and the guidance directions begin.
1. Tap **Menu**. The main menu appears.
 2. Tap **Destination**. The Set Destination screen appears.
 3. Tap **Intersection**. The Input Method screen appears.
 4. If you need to change the region or State:
 - a. Tap **Change State**. The Enter State Name screen appears.
 - b. Tap the **Letters** to enter the name of the region, or tap the name of the region.
 - c. Tap **OK** when you have selected the region. You return to the Input Method screen.
 5. Tap **Street First**. The Enter Street Name screen appears.
 6. Tap the **Letters** to enter the name of the street. Tap **OK** when you have selected the street. The Enter 2nd Street Name screen appears.
 7. Tap the **Letters** to enter the name of the second street. Tap **OK** when you have selected the street.

Using an Intersection as a Destination

There are two ways to enter the intersection: by selecting the street first, or by selecting the city first. If you use Street First and too many records match, you will be asked to use City First.

To enter an intersection as a destination using Street First:

The Select Address screen appears.

8. Select the intersection that matches the location you want to go to and tap **Nav**. The map appears, and the guidance directions begin.

To enter an intersection as a destination using City First:

1. Tap **Menu**. The main menu appears.
2. Tap **Destination**. The Set Destination screen appears.
3. Tap **Intersection**. The Input Method screen appears.
4. If you need to change the region:
 - a. Tap **Change State**. The Enter State Name screen appears.
 - b. Tap the **Letters** to enter the name of the region, or tap the name of the region.
 - c. Tap **OK** when you have selected the region. You return to the Input Method screen.
5. Tap **City First**. The Enter City Name screen

appears.

6. Tap the **Letters** to enter the name of the city. Tap **OK** when you have selected the city. The Enter Street screen appears.
7. Tap the **Letters** to enter the name of the street. Tap **OK** when you have selected the street. The Enter 2nd Street Name screen appears.
8. Tap the **Letters** to enter the name of the second street. Tap **OK** when you have selected the street. The Select Address screen appears.
9. Select the intersection that matches the location you want to go to and tap **Nav**. The map appears, and the guidance directions begin.

Using a Point of Interest (POI) as a Destination

There are over 6 million points of interest that you can select as a destination. Generally, you choose a category and then choose one of four methods of selecting the specific point of interest. Sometimes you must first select a subcategory before you can choose a selection method.

The four methods of selecting a specific point of interest include two for nearby POIs and two for all POIs in a region.

To select a nearby POI as a destination:

1. Tap **Menu**. The main menu appears.



2. Tap **Destination**. The Set Destination screen appears.



3. Tap **POI**. The Points of Interest screen appears.
4. Tap a **Category**. Usually a subcategory screen appears.

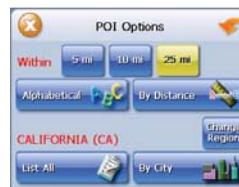


NOTE: If you choose *Restaurant*, tap the letters to enter a type of restaurant. If you choose *Hotel*, there is no subcategory screen. Go to the next step.

5. Tap a **Subcategory**. The POI Options screen appears.



6. Select the radius, if you are searching for a nearby POI.



To select a nearby POI from an alphabetical list:

- a. Tap **Alphabetical**.
The Enter POI Name screen appears.



- b. Tap the **Letters** to enter the name of the POI.

- c. Tap **OK** when you have selected the POI. The POI Select screen appears, displaying the address of the POI.



- d. Tap **Nav**. The map appears, and the guidance directions begin.
- e. Tap **Fav** to save the POI in the Favorites list.
- f. Tap **Show** to show the POI location on the map display.

To select a nearby POI by distance:

- a. Tap **By Distance**.
The POI List screen appears, listing the closest POIs first.



- b. Tap the POI that you want to go to and tap **Nav**. You may need to scroll down the list by tapping the scroll bar. The map appears, and the guidance directions begin.
- c. Tap **Fav** to save the POI in the Favorites list.
- d. Tap **Show** to show the POI location on the map display.
- e. Tap **Info** to show additional detail including address and telephone number.

To select from all POIs in a region or State:

1. Tap **List All**. The Enter POI Name screen appears.
2. Tap the **Letters** to enter the name of the POI. Tap **OK** when you have selected the POI. The POI Select screen appears.
3. Tap **Nav**. The map appears, and the guidance directions begin.

To select a POI by city:

1. Tap **By City**. The Enter City Name screen appears.
2. Tap the **Letters** to enter the name of the city and tap **OK**. The Enter POI Name screen appears.
3. Tap the **Letters** to enter the name of the POI and tap **OK**. The POI Select screen appears.
4. Tap **Nav**. The map appears, and the guidance directions begin.

Using a Favorite Destination as a Destination

Favorite destinations are locations you add to a list on the Intellinav system. You can add locations to your Favorites list as you set a destination, from the POI(s) screen, and from the Location Information screen. You can then easily select one of these locations as a destination.

To Select a Favorite as a Destination:

1. Tap **Menu**. The main menu appears.
2. Tap **Destination**. The Set Destination screen appears.
3. Tap **Favorites**. The Favorites screen appears.
4. Tap on the favorite you want to use as a destination and tap **Nav**. The map appears, and the guidance directions begin.



Using a Recent Destination as a Destination

Recent destinations are locations you have navigated to recently. You can easily select one of these locations as a destination. Managing your recent destinations list is covered later in this section.

To select a destination from your list of recent destinations:

1. Tap **Menu**. The main menu appears.
2. Tap **Destination**. The Set Destination screen appears.
3. Tap **Recent**. The Recent screen appears.
4. Tap on the recent destination you want to go to and tap **Nav**. The map appears, and the guidance directions begin.



Using a City Center as a Destination

Sometimes you may want to use the Intellinav system to get to a city, but not to a specific location within the city. To do this you select a City Center as a destination.

As with selecting a Point of Interest, there are several methods of selecting a city center: two for nearby city centers and one for all city centers in a region.

To select a nearby City Center as a destination:

1. Tap **Menu**. The main menu appears.
2. Tap **Destination**. The Set Destination screen appears.
3. Tap **City Center**. The City Center screen appears.



To select from an alphabetical list:

- a. Tap **Alphabetical**. The Enter City Name screen appears.
- b. Tap the **Letters** to enter the name of the city. Tap OK when you have selected the city. The City Center screen appears.
- c. Tap **Nav**. The map appears, and the guidance directions begin.

To select by distance:

- a. Tap **By Distance**. The City List screen appears, listing the closest city centers first.
- b. Tap the city that you want to go to and tap **Nav**. You may need to scroll down the list by tapping the scroll bar. The map appears, and the guidance directions begin.

To select from all City Centers in a region:

1. Tap Menu. The main menu appears.
2. Tap Destination. The Set Destination screen appears.
3. Tap City Center. The City Center screen appears.

To select a city center in a region or State:

- a. Tap **List All**. The Enter City Name screen appears.
- b. Tap the **Letters** to enter the name of the city. Tap **OK** when you have selected the city. The City Center screen appears.
- c. Tap **Nav**. The map appears, and the guidance directions begin.

Detours, Avoid Roads, and Stopovers

The Detour feature will allow you to bypass a certain portion of the route starting at your present position, while avoid road allows you to bypass the entire road. Stopovers are stops you add to a trip to make prior to reaching your destination.



Detour

NOTE: *you cannot create a detour if you do not have a current destination*

To set a detour:

1. Tap **Menu**. The main menu appears.
2. Tap **Destination**. The Destination Options screen appears.
3. Tap **Detour**. The Detour screen appears.
4. Select from three distance options to bypass. A new route is calculated automatically.

To clear a detour:

1. Tap **Menu**. The main menu appears.
2. Tap **Destination**. The Destination Options screen appears.
3. Tap **Detour**. The Detour screen appears.
4. Tap **Reset**.

Avoid Road

Once you have set a destination you can look at the list of streets and determine if you need to mark one or more as unavailable. If you mark a section as unavailable the Intellinav system will calculate a new route that avoids the section you marked.

NOTE: *You cannot avoid a road if you do not have a current destination.*

To avoid roads in the route list:

1. Tap **Menu**. The main menu appears.
2. Tap **Destination**. The Destination Options screen appears.
3. Tap **Avoid Road**. The Avoid Road screen appears.



4. Mark any segments that you do not want included:
 - a. Tap on a route instruction to highlight it.
 - b. Tap **Avoid**. A do-not-enter symbol appears.
5. When you have finished marking segments, tap **Nav**. Your route is recalculated, the map appears and the guidance directions begin.

Stopover

Once you have set a destination you can add a stopover. Adding a stopover does not cancel your original destination. Once you reach your stopover, you will be prompted to continue to the original destination.

To create a stopover:

1. Press **Menu**. The main menu appears.
2. Tap **Destination**. The Destination Options screen appears.
3. Tap **Stopover**. The Set Destination screen appears.
4. Set your stopover destination using any of the methods explained earlier in this section.

To cancel a stopover:

1. Tap **Menu**. The main menu appears.
2. Tap **Destination**. The Destination Options screen appears.
3. Tap **Clear Route**. A confirmation message appears asking if you want to continue to your next destination.
4. Tap **Yes**. The map appears and navigation continues.

Setting an Itinerary

The Itinerary feature allows you to set multiple destinations. You can add, remove, or re-order destinations according to your needs.

To set the Itinerary:

1. Tap **Menu**. The main menu appears.
2. Tap **Itinerary**. The Itinerary screen appears.
3. Tap **Add** to add new destinations from Favorites, Recent or POI list, or enter a new address as destination.
4. Tap **Del** to remove a destination from the Itinerary.
5. Tap **Go!** to start navigating from the first item on the Itinerary.
6. Once you reach a destination in your itinerary, Intellinav will automatically prompt you to proceed to the next destination in the list.



To Re-order the Itinerary:

1. Tap **Move Up** or **Move Down**.

Using Shortcuts

The shortcut feature provides you quick access to some of the most important destinations while you're on the road, including:

- Home
- ATM
- Gas
- Hospital
- Parking
- Restaurant
- Tourist Information



By tapping any of the POI categories, you will see a list of the nearest POIs sorted by distance.



Managing Your Favorites List

You can edit the destinations you add to your Favorites list to give them descriptive names. You can also remove destinations from your favorites list.

To manage your favorites list:

1. Tap **Menu**. The main menu appears.
2. Tap **Favorites**. The Favorites screen appears.



To edit a favorite:

- a. Tap on the favorite you want to edit.
- b. Tap **Edit**. The Edit Favorites screen appears.
- c. Enter a descriptive name for this favorite.
- d. Tap **OK** when you are done.



To delete a destination from your favorites list:

- a. Tap on the favorite you want to delete.
- b. Tap **Del**. The favorite is removed from the list.
- c. Tap **OK** to close the Favorites screen.

Getting Information

To access the Information screen:

1. Tap **Menu**. The main menu appears.



2. Tap **Information**. The Information screen appears.



3. Select from the following:

Route List

Provides detailed turn-by-turn maneuver information of your current route. If you have not set a destination, the route list will be empty.



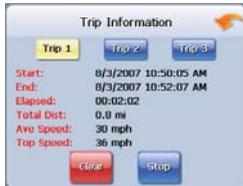
Current Location

Provides detailed information about your current location. You can save the current location into your Favorites list by tapping on Save.



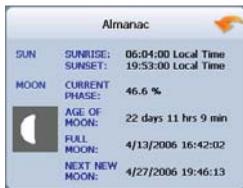
Trip Information

Provides information such as average speed and distance traveled. This feature is convenient when you need to keep track of your mileage.



Almanac

Provides information related to the sun and the moon, based on your current geographic location.



System Information

Provides software revision number and copyright information.



GPS Information

Provides information related to GPS signal strength, coordinates, date and time.



Traffic Pattern

Traffic pattern is a database of typical hour-by-hour traffic speeds on over 170,000 miles of primary and secondary roads across major US cities. Historical observations from GPS probe data are aggregated and verified to provide

- higher quality routing based on likely traffic flow at the time of your departure, especially during times of day when traffic is heavy, such as rush hour
- improved trip time estimates based on likely traffic conditions

To enable Traffic Pattern routing:

1. Tap **Menu**. The main menu appears.
2. Tap **Settings**. The Settings screen appears.



3. Tap **Route Options**. The Route Options screen appears.



4. Tap **Pattern**. The route method changes to Traffic Pattern.

NOTE: *Traffic pattern is different from Live Traffic. It is a collection of historical data and may not reflect actual traffic condition.*

Using Tools

Arrival and Departure Time Calculation

Using Traffic Pattern, you can calculate the arrival and departure time based on traffic condition at certain time of day and day of week.

For example, if you want to leave at certain time, you can estimate the time of arrival at your destination. Conversely, if you want to arrive at your destination at certain time, you can estimate when you need to leave.

To calculate the arrival or departure time:

1. Set a destination first.
2. Tap **Menu**. The main menu appears.
3. Tap **Tools**. The Tools screen appears.



4. Tap **Departure Time** or **Arrival Time**. The Day and Time screen appears.
5. Enter the day of the week and time of departure or arrival.
6. Calculation will take a few minutes, then you will see 4 sets of time, duration and distance, based on Traffic delays.



DEPARTURE:	DURATION:	DISTANCE:	ARRIVAL:
01:54PM	01:06	47 mi	03:00PM
02:00PM	01:06	43 mi	03:06PM
03:00PM	01:18	43 mi	04:18PM
04:00PM	01:24	49 mi	05:24PM

7. To see the route list of a specific set, tap on the corresponding row and then tap **Show Route**.

NOTE: The arrival and departure time, and the corresponding route, are for your information only. Selecting a specific time set will not change your current route. The route will change automatically when the time and day arrives.

Parked-car Locator

This feature is useful when you park your car in a large open area such as inside a theme park, or on a street nearby a tourist attraction or shopping center.

To save your parking location:

1. Press the Standby button on the top of Intellinav 3, after you have parked your car.
2. Take the Intellinav 3 with you.

Note: If you park inside a parking structure, the saved location will be nearby the entrance to the structure.

To find your car:

1. Tap Menu



2. Tap Tools
3. Tap **Parked-car Locator**



4. Wait about 30 seconds for the device to acquire GPS signal, or until the foot-cursor on the map display turns green.
5. You will then see a straight green line connecting your current position () to your car ().
6. Walk towards the car and watch the green line become shorter and shorter.



Setting Your Options

You can set many different options to customize the Intellinav system and make it work your way. These options include:

- Route Options
- Display Options
- Language Options
- Localization Options
- System Options
- Safety Options



Display Options

The display options give you control over the appearance of the map. You can change the following:

- Orientation
- Guidance
- Day/Night



- POI Icons
- Color
- 3D View

There are two orientation settings. Heading turns the map as you drive so that you are always moving toward the top of the screen. North keeps the map oriented with North at the top of the map, like a traditional paper map.

There are two guidance settings, which control whether or not the maneuver detail screen appears when you near your next maneuver. If you use the auto setting, the maneuver detail screen appears.

The day/night setting controls the background of the screen. If you choose auto, the Intellinav system will automatically switch to a darker version of your color scheme soon after sunset, to reduce the glare in the vehicle. You can also choose to use either the day or night setting at all times.

There are three options for displaying POI icons. If you choose default, the most commonly displayed categories of POI icons will appear on the map at zoom levels of 1000 ft and closer. If you choose off, no POI

icons are displayed. If you choose custom, you can choose which categories of POI icons you want displayed.

The color settings control the background color of the map. You can choose from four different colors. The 3D view settings control your view of the map. Off shows you the map in traditional 2D mode. High, Medium, and Low show you a 3D version of the map, with a different angle for each value. If you use any of the 3D settings you will not be able to tap on a location to view location information.

To set your display settings:

1. Tap **Menu**. The Menu screen appears.
 2. Tap **Settings**. The Settings screen appears.
 3. Tap **Display Options**. The Display Options screen appears.
 4. Tap your Orientation preference: **Heading** or **North**.
 5. Tap your Guidance preference: **Auto** or **Manual**.
 6. Tap your Day/Night preference: **Auto**, **Night**, or **Day**.
 7. Tap your POI Icons preference: **Default**, **Off**, or **Custom**.
- When you tap **Custom** the POI Options screen appears.
- a. Tap on the categories you want displayed. The categories to be displayed are highlighted.
 - b. You can use **Select All** and **Clear All** to quickly highlight or clear categories.
 - c. When you have highlighted the categories you want displayed, tap **OK**. You return to the Display Options screen.
8. Tap your Color preference: **Yellow**, **Grey**, **White**, or **Peach**.
 9. Tap your 3D View preference: **2D**, **High**, **Medium**, or **Low**.
 10. When you have finished choosing your options, tap **OK**.

Route Options

The route options give you control over the navigation of your trip. You can change the following:

- Method
- Ferries
- Toll Roads
- Carpool
- Turns



There are six method settings.

Quickest calculates the route that should take the least amount of time.

Major calculates a route that uses major roads whenever possible.

Shortest calculates the route that is shortest in distance.

Local calculates a route that uses local roads whenever possible.

Pattern (Traffic Pattern) calculates the quickest route

based on historic traffic data (see Traffic Pattern section).

Walking enables pedestrian walking mode.

The ferries setting indicates whether ferries should be included when your route is calculated. If you include ferries, the route will take you to the ferry terminal, but the total time for the route does not take into account the ferry schedule or time spent on the ferry.

The toll roads setting indicates whether you want to include or exclude toll roads when your route is calculated. If you include toll roads, those roads will be used if appropriate for the method you selected.

The carpool setting indicates whether or not you want to include carpool or high occupancy vehicle (HOV) restrictions in the calculation of your route.

The turns setting indicates whether or not you want to reduce the number of turns in your route.

To set your route settings:

1. Tap **Menu**. The main menu appears.
2. Tap **Route Options**. The Route Options screen appears.
3. Tap your Method preference: **Quickest**, **Major**, **Shortest**, **Local**, **Pattern** or **Walking**.
4. Tap your Ferries preference: **Include** or **Exclude**.
5. Tap your Toll Roads preference: **Include** or **Exclude**.
6. Tap your Carpool preference: **Include** or **Exclude**.
7. Tap your Turns preference: **Reduced** or **Normal**.
8. When you have finished choosing your options, tap **OK**.

Safety Options

These options are intended for your driving safety and the safety of others.

Speed Alert

You can use the speed alert feature to warn you if your vehicle is exceeding the speed limit. There are two speed alert options: auto speed alert and fixed speed alert. Auto speed alert uses the type of road to determine the probable speed limit. Fixed speed alert lets you enter a speed and will warn you if that speed is exceeded.

Auto speed alert is based on road class and may not necessarily reflect the actual speed limit. Please use this feature only as a reference

To set the speed alert:

1. Tap **Menu**. The Menu screen appears.
2. Tap **Settings**. The Settings screen appears.
3. Tap **Safety Options**. The Safety Options screen appears.

To set the speed alert:

- a. Tap **Auto**. A warning appears.
- b. Tap **Confirm** to close the warning.
- c. Tap **OK**. You return to the map.

To set a fixed speed alert:

- a. Tap **Fixed**.
- b. Enter the speed you want to use as a maximum speed.
- c. Tap **OK** to set the speed.
- d. Tap **OK**. You return to the map.

**Fog Assist**

One of the hazards of driving in dense fog condition is not being able to see an upcoming intersection. Enabling this feature provides a warning tone when approaching an intersection.

Fatigue Alert

This feature alerts you once per minute using a customizable voice phrase. Alternatively, you can record a custom prompt in a WAV file, and copy it as ALERT.WAV to the root of your SD card.

School Zone Alert

Alerts you with a voice phrase when you approach a school zone.

Emergency Option

Enabling this feature allows you to quickly determine your location, cross-street(s), coordinates, and find the closest police station or hospital, simply by tapping on the car-cursor (📍).

Head-light Reminder

15 minutes after sunset, you will be reminded to turn on your head-lights. Sunset time is automatically calculated, based on your GPS location.

Language Options

The language options allow you to configure the following:

- Language
- TTS (Text-to-Speech)

There are six language settings. When you change the language, all of the screen names and controls will be in the selected language.

To set your language settings:

1. Tap **Menu**. Menu screen appears.
2. Tap **Settings**. Settings screen appears.
3. Tap **Language Options**. The Language Options screen appears.
4. Tap your Language preference: **English**, **French**, **Spanish**, **Chinese**, **Korean** or **Japanese**.
5. When you have finished choosing your options, tap **OK**.

TTS (Text-to-Speech) Options

Off - Voice prompts will not include street names.

Mixed - Voice prompts will be in recorded human voice, but street names will be in computer synthesized voice.

Exclusive - Voice prompts and streets names are both in computer synthesized voice.



Localization Options

The localization options give you control over the settings affected by your location, including:

- Time Zone
- Daylight Savings Time
- Units

There are six time zone settings, for all areas of the United States. There are two daylight-savings options, to determine whether or not daylight savings time is currently in effect at your location. There are two settings for systems, which determine how the distance to your location is expressed. You can choose between Mi (miles) or KM (kilometers).

To set your localization settings:

1. Tap **Menu**. Menu screen appears.
2. Tap **Settings**. Settings screen appears.
3. Tap **Localization Options**. The Localization screen appears.

5. Tap your Time Zone preference: **Eastern, Central, Mountain, Pacific, Alaska** or **Hawaii**.
6. Tap your Daylight Saving preference: **DST** or **Standard**.
7. Tap your Units preference: **Mi** (mile) or **KM** (kilometer).
8. When you have finished choosing your options, tap **OK**.



System Options

Screen Calibration

This process ensures that when you tap the screen, the item tapped is activated.

To calibrate the screen:

1. From the Main Menu, tap on System and then System Info.
2. Tap on Calibration.
3. Tap the center of the cross as it moves around the screen. You will need to do so one time for the center and then for each corner of the screen.



User Preferences

You can adjust the settings of your device to suit the way you work. Adjusting certain settings, such as those for system volume and backlight may increase your standby time.

To access the System panel:

1. Tap System on the Main Menu panel.



There are five preference icons on this panel.



Tap to view the battery power level.



Tap to set the screen backlight level and enable its auto off function.



Tap to adjust the volume level and toggle tapping sound.



Tap to set the language option for the system menus.



Tap to displays your device's OS Version, GPS F/W, and SW Code Version. Options for factory reset, GPS reset, and calibration

Volume

To set the system sound level:

1. Tap - /+ to adjust the volume level.
2. Tap  to apply the changes made.



To enable tap sounds:

1. Tap the "Enable sound for tap" check box.
2. Tap  to apply the changes made.

Backlight

To set the screen backlight level:

1. Tap +/- to adjust the screen backlight level.
2. Tap  to apply the changes made.



To set the screen backlight auto-off function:

1. Tap +/- next to the Battery and External Power settings.

Options include: Always On, after 10 seconds, after 30 seconds, after 1, 2 or 3 minutes.

2. Tap  to apply the changes made.

System Info

You may have to perform a reset if the device freezes (i.e., device no longer responds to the buttons on the screen). A soft reset allows your device to get a fresh start, similar to rebooting a computer. This will restart your device and adjust memory allocation. All records and entries are retained after a soft reset. GPS settings are also retained.



Factory Reset

To perform a soft reset:

1. Hold the device securely, and then press the soft reset button  on the bottom of your device.

To load the factory default setting

If you still encounter problems even after soft resetting the device, loading the factory default settings may correct the problems. These default settings have been selected to optimize your device's performance.

1. Tap System on the Main Menu panel.
2. Tap System Info in the System panel.
3. Tap Factory Reset and then Yes to confirm.
4. After the Factory Reset, reconfigure your device's user preferences.

GPS Reset

In the following circumstances, the TTFF (Time To First Fix) values of your device may be longer than usual:

- After a long period of inactivity.
- If the current GPS fix position is more than 500km, or more than 12 hours apart, from the previous position.
 - This is due to the nature of the GPS algorithm and rotational velocity between the satellites and planet Earth, and is deemed normal. To correct this, perform a GPS reset. This will update the GPS database, which contains information about the GPS satellites that the system needs to function in navigation mode.

To Reset the GPS:

1. Close the navigation program, if it is currently running, by tapping on Menu in the map display, and then Exit in the navigation Menu screen.
2. Tap System on the Main Menu panel.
3. Tap System Info on the System panel.
4. Tap GPS Reset and then Yes to confirm.
5. The GPS Reset process will take about a minute to complete.

MP3 Playback

you can use a computer to load MP3 onto an SD card and then load that SD card into the SD card slot located at the side of the system.

To open the MP3 Player:

1. Tap MP3 on the Main Menu panel. The MP3 player appears.



To open MP3 files for playback:

1. Tap the Folder button to open the file browser. The program will automatically scan the device SD/MMC card for supported digital files. Only sub-directories containing compatible music files will be displayed.
2. Search for the file(s) you want to play by tapping ▲/▼ to scroll through all available files.
3. Tap a file to start playback of the selected file.
 - a. When the file is located in the root directory, tap the file for playback.
 - b. When the file is located inside a sub-directory, tap the sub-directory icon, then tap a file for playback.

4. Tap Up-One-Level button to return to the root directory.



5. The selected file will automatically be played. Files in the same directory will also be played, provided the repeat function is disabled.

Playback Controls

The icons in the MP3 player let you control the playback mode.



To control file playback:

Keys	Descriptions
	Tap to pause or resume playback.
■	Tap to stop playback.
◀◀	Tap to skip backward to the previous track. If the current file is the first track in the list, the last track will be played.
▶▶	Tap to skip forward to the next available track. If the current file is the last track in the list, then the first track will be played.

Shuffle Mode

Each directory containing supported music files is considered a playlist. You can choose to shuffle the playback sequence to play files in random order.

To rearrange the playback sequence:

1. To enable the Shuffle mode, tap  (Random). An enabled Shuffle mode is indicated by the word "Random" on the playback display, and a fade-out Random icon.
2. To disable the Shuffle mode, tap the fade-out Random icon.

Repeat Mode

The repeat mode lets you play the current track in a loop. The same track will be played over and over, until you disable the Repeat mode.

To enable or disable the Repeat mode:

1. To enable the Repeat mode, tap  (Repeat). An enabled Repeat mode is indicated by the word "Repeat" in the playback display, and a fade-out Repeat icon.

2. To disable the Repeat mode, tap the fade-out Repeat icon.
3. Tapping Random icon will automatically disable the Repeat mode.

Playback Volume

To adjust the playback volume, you can use either the MP3 volume control slider, or the volume control hardware buttons.

To control the playback volume:

1. Hold and drag the slider of the volume level bar. This will only affect the volume of the track playback.
2. Press the volume buttons (-/+). This will also adjust the sound level for the device's system sounds.

Photo Viewer

With the Intellinav system, you can keep images of your favorite moments as mobile as you are by using the Photo Viewer. You can use a computer to load pictures onto an sd card and then load that sd card into the SD card slot located at the side of the system. The program features:

- Support for JPEG and BMP (1-, 4-, 8-, and 24-bit) files.
- Auto-scanning of supported files in the device's SD/MMC card.
- Three viewing modes: Thumbnail, Full Screen, and Slide Show.
- Album support based on sub-directory contents.
 - Each sub-directory containing compatible image files is treated as an individual album. For a more organized file search, it is advisable to sort image files into sub-directories based on something, such as a particular event or a certain period. To illustrate, a sub-directory containing pictures from your daughter's birthday can be named "Cassie's 10th Birthday"; or "May 11 to

June 24" for a sub-directory consisting of pictures taken during that period.

Note: *The performance of the Photo Viewer may be affected by the size of the image files.*



To open Photo Viewer:

1. Tap Photo on the Main Menu panel.
2. The program will automatically scan the device's SD/MMC card for supported image files. Image files will be displayed as thumbnails; only sub-directories containing compatible files will be displayed.
3. Tap ▲/▼ to scroll through all available files. When a thumbnail is selected, a red border appears around it.

Full Screen Mode

In Full Screen mode, image files can be viewed in a larger scale. You can also change its orientation angle.

To view images in Full Screen mode:

1. Search for the file you want to view.
2. Tap ▲/▼ to scroll through all available files.
3. Tap Up-One-Level to return to the device's root directory.
4. Open the file in Full Screen mode.
 - a. When the file is located in the root directory, tap the file.
 - b. When the file is located inside a sub-directory, tap the sub-directory icon, then tap the file you want to view.
5. Tap ◀ to display the previous available image.
6. Tap ▶ to display the next available image.

Magnification

To change the image magnification level:

1. Tap (-) to zoom into the center of the image.
 - a. When in a zoomed-in state, you can hold and drag the image to pan it in any direction you want.
2. Tap (+) to zoom out the image display.

Orientation

To change the image orientation:

1. Tap  to rotate the image 90°, 180°, 270°, or 360° clockwise.



Slide Show

You have the option to view images in a slide show much like viewing a presentation. Images are adjusted to fit the entire display area and are shown in a 3-second interval.

To enable the Slide Show mode:

1. In Thumbnail or Full Screen mode, tap  (Slide Show).
2. Tap the touch screen to stop the slide show and return to the previous viewing mode.

Safety and Regulation

FCC Declaration of Conformity

Tested to comply with FCC standards for home or office use

This equipment complies with Part 15 of the U.S Federal Communications Commission (FCC) Rules. Operation of this device may not cause harmful interference, and this device must accept any interference received, including interference that may cause undesired operation. If this occurs the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and external 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 or television technician for help.

CE Marking

This equipment complies with the requirement for CE marking when used in a residential, commercial, or light industrial environment

Canada

Radio interference regulation class B compliance

This class B digital apparatus meets all compliances of the Canadian Interference Causing Equipment Regulations.

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Caring for your device

Please use only the power adapter included in the box and connects to the voltage requirement indicated on the rear panel of the product. Use of any other types of chargers will result in malfunction of the device and void all warranties.

Do not use and/ or charge this device near water or moisture. Never touch or handle any power sources with wet hands.

To prevent fire or electric shock, never expose the device to any types of liquid

Do not block any ventilation openings or use in extreme weather conditions, such as dusty, sandy, wet or humid. When in use, please install in accordance with the user manual

Do not attempt to service the system. Any modification, tempering and/ or change to the device not expressly approved by Netropa Corp. or its authorized parties will void all warranties in entirety.

Do not attempt to clean the device with the power on. Use a clean, moistened, lint-free cloth to wipe the exterior of the device. Use water or eyeglass cleaner if necessary and gently wipe the touch screen.

When unattended, do not leave the device in the vehicle that is subjected to direct sunlight for an extensive period of time. The overheating of system and/or battery may cause malfunctioning of the device.

Keep the device away from excessive moisture and extreme temperatures.

When connecting the device to the car adapter, please make sure the input voltage of the adapter is identical with the car voltage.

This device uses a rechargeable lithium ion battery. To reduce the risk of fire or burns, do not disassemble, crush, puncture, short external contacts, or dispose of in fire or water.

In some instances during playback, a few bright or dark flecks may appear on the TFT LCD screen. This is a normal phenomenon in active matrix display technology, and not a malfunction.

Important Information

When using Intellinav 3, please make sure you are operating the device in compliance with all local, state, and federal regulations. It is the sole responsibility of the driver of the vehicle to operate the vehicle in a safe manner and not become distracted by Intellinav. User should not operate the controls of Intellinav while you are driving. Netropa shall not be liable for any accident.

Warning: When used in a vehicle, it is the sole responsibility of the driver of the Intellinav system to place and secure the device where it will not interfere with the vehicle's operation controls and/or safety devices. The driver should mount the device where it does not obstruct the driver's view of the road or cause any damage or personal injury in the event of an accident. The mounting accessory included in the package is not warranted against collision damage or the consequences thereof.

Do not mount where driver's field of vision is blocked.

Do not mount over airbag panels or in the field of airbag deployment.

Do not place unsecured on the vehicle dash.

Netropa shall not be liable for any environmental

conditions that may influence the operation of your Intellinav 3.

An inexperienced driver shall not use the Intellinav system.

The Global Positioning System (GPS) is operated by the United States government, which is solely responsible for the accuracy and availability of GPS. The system is subject to changes that could affect accuracy and availability of your device.

The utmost preparation is given to this manual. With constant improvements and upgrades, Netropa cannot guarantee for all contents to be most current and entirely up-to-date. Information contained in this guide is subject to change without notice and we shall not be liable for technical and/or editorial errors of this guide.

Map data:

The manufacturer/ supplier of the data is NAVTEQ North America, LLC, 222 Merchandise Mart Plaza, Suite 900, Chicago, Illinois 60654.

NOTICE TO DRIVERS IN CALIFORNIA AND MINNESOTA: State law from these states prohibits drivers of any motor vehicle from placing, displaying,

affixing and or applying any objects such as suction mounts on the windshields. Other dashboard or friction mounting options should be used. Intellinav does not take any responsibility for any fines, penalties, or damages that may be incurred as a result of disregarding this notice.

California Vehicle Code Section 26708(a)
Minnesota Statutes 2005, Section 169.71

System Specifications

The Intellinav 3 has the following specifications:

- SiRF Star III GPS chipset
- SAMSUNG S3C2412 266Mhz CPU
- 64 MB NAND flash + 64 MB SDRAM onboard
- 3.5-inch 16.7M Colors TFT LCD with touch panel
- SD memory slot for map data, MP3, or photos
- Built-in 1 watt speaker
- Built-in GPS antenna
- WinCE 5.0 OS Kernel
- Up to 3 hours Battery Life (Rechargeable Internal Lithium-ion battery 1100 mA)
- MP3 Player
- Photo Viewer
- Hot Start: 1 sec., average
- Warm Start: 38 sec., average
- Cold Start: 42 sec., average
- 180+ g Weight
- Dimensions: 100 x 80 x 22mm / 4 x 3.2 x 0.9inches

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