

SONY[®]

4-000-806-11 (1)

Instruction Manual

US

Personal Navigation System Instruction Manual

nav-u



MEMORY STICK™

NV-U44

©2008 Sony Corporation

Using the manuals

The manuals for this unit consist of the following 3 guides.

Before installing or operating the unit, read these manuals thoroughly and retain them for future reference.

- **Quick Start Guide**

Contains instructions on basic operations, such as installation, navigation operations, etc. After you have read this manual, you should be ready to start using the unit.

- **Important Information**

Contains important notices to be read prior to use, including warnings, specifications, and troubleshooting instructions.

- **Instruction Manual (PDF) (this manual)**

Contains descriptions of all functions.

Note on this manual

Illustrations and screenshots in this manual may differ from the actual device.

Table of Contents

Basic Operations **5**

Menu operations	5
Gesture Command operations	7
Keyboard operations	9

Navigation **11**

Checking the GPS status	11
Route searching	13
Address search	13
Home search	15
POI search	15
Intersection search	17
City center search	18
Quick Link search	18
Recent destinations search	19
Address book search	20
Favorites search	20
Option menu in the address/POI confirmation display	21
Map operations	22
Indications on the map	22
Map scrolling mode	25
Using the map tools	26
Route planning	28
Creating a new itinerary	28
Option menu for route planning	31
Adding an interim destination to the current route	32
Skipping to the next destination	32
Blocking the route	32
Route confirmation	33
Viewing the turn-by-turn list	33
Viewing the entire route	34
Viewing a map of the vicinity of the destination	34
Destination management	35
Recent destinations	35
Address book	35
Favorites	36

continue to next page ↓

Photo Playback **37**

Viewing photos	37
Photo playback controls	38
Photo settings.....	39

Settings **40**

Route planning settings	40
Address book settings	41
General settings	42
Map settings	44
Route profile settings.....	45
Guidance settings.....	46

Using the PC Application Software **47**

System requirements	47
Installing the software	48
Connecting the unit to your computer	48
Starting the software	49
Guidance voice data management	50
Map data management.....	51
Address book data management	52
Editing the address book data on your computer	52
Editing the address book data on the unit.....	52
Transferring address book data from your computer to the unit	53
Transferring address book data from the unit to your computer	53
Firmware upgrade	54

Basic Operations

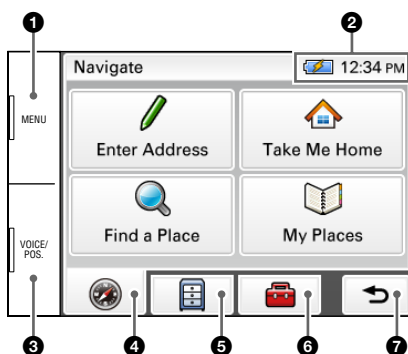
Common procedures to operate the system are explained. General operations can be performed on the touch screen. Gently touch the displayed icons with your finger.

Note

Do not press the display with excessive force. Do not use any sharp object, such as a pen, etc., to tap on the display.

Menu operations

The main menu appears when you turn on the unit (except during route guidance, in which case the map appears).



- 1 Press to show the main menu.
- 2 To check the battery status and current time.
- 3 Press to show the current position on the map.
- 4 Touch to show the navigation menu.
- 5 Touch to show the application menu.
- 6 Touch to show the setting menu.
- 7 Touch to return to the previous display.






continue to next page ↓

Other basic menu operations

To	Touch
cancel the setting	“Cancel”
confirm the selection/proceed to the next step	“Done” or “OK”

About the battery status indication

The battery status can be checked by the indicator in the main menu.






Indicator	Status
	Adapter connected.
	Fully charged.
	Not fully charged.
	Low battery.
	Battery is empty. Charge battery immediately.

Gesture Command operations

Frequently-used operations can be performed by assigning finger strokes such as a line, etc.

For navigation






In the map display (except in map scrolling mode), draw the command stroke as below.

To	Make
start navigation to your home (page 15)	 a circumflex
start navigation to a destination stored in Favorites (page 20)	“Favorite 1”  an “L” shape
	“Favorite 2”  a mirror-reversed “L”
change map scale to the “Preset Scale” (page 44)	 a clockwise circle
	 a counterclockwise circle

continue to next page ↓

For photo playback

In the photo playback display, draw the command stroke as below.
For details on photo playback, see page 37.

To	Make
start the slideshow (only when playback controls are shown)	 a dot
skip to the previous file	 a horizontal line (right to left)
skip to the next file	 a horizontal line (left to right)
skip to the previous folder	 a vertical line (downwards)
skip to the next folder	 a vertical line (upwards)

Keyboard operations

The keyboard display appears when you need to enter text.

When entering addresses, you need only enter characters in upper case, as the system automatically converts them to appropriate characters. You can change the case or enter special characters/symbols when necessary.

The following types of keyboards are selectable:

- “QWERTY + 123”: QWERTY layout with number keys.*
- “QWERTY”: Large QWERTY layout without number keys.*
- “ABC”: Alphabetical layout without number keys.

* “QWERTY” refers to the top row of letters, reading from the left, of a traditional typewriter style keyboard.

For details on how to change the setting, see page 43.

QWERTY layout with number keys:



continue to next page ↓

To	Touch
enter an alphabetical character	the desired character key
enter a number	the desired number key*1
enter a special character	“ÀŒÑ” to switch to the special character keyboard, then the desired character; and “ABC” to switch back
enter a symbol	“@!?” to switch to the symbol keyboard, then the desired symbol key; and “ABC” to switch back
enter a space	“Space”
delete a character	“Backspace”
change the case	“Caps”
proceed to the next step	“Next”
show the candidate list*2	“Search”
confirm the entry	“Done”

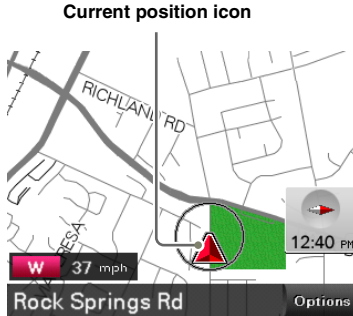
*1 When another keyboard type is selected, touch “123” to switch to the numeric keyboard.




*2 The candidate list automatically appears when candidates are narrowed down as you continue inputting characters.

Checking the GPS status

About the GPS status indication

The GPS status can be checked by the color of the current position icon. If the current position is not displayed, press VOICE/POS. to show the icon.



Indication	Status
	Signals are insufficient for navigation.
	Reception temporarily interrupted (e.g., in a tunnel).
	Signals are sufficient for navigation.

Note

Acquisition of GPS signal may take up to 10 minutes, especially for the first time. Make sure that you are in an open space for faster acquisition.

Tip

If GPS signal reception is poor after turning on the unit, the information bar appears at the top of the display.

You can also check the GPS status by the message on the information bar.

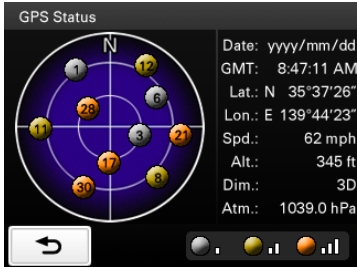
By touching the information bar, you can jump to the display where you can view detailed GPS status information (page 12).

continue to next page ↓

Viewing detailed GPS status information

Detailed GPS status information, such as the latitude, longitude, etc., can be viewed to check if the current position is properly calculated.

1 In the menu display, touch , “General,” then “GPS Status.”



Route searching

You can search for a route in various ways.

The following route search methods are available.

- “Address search” (page 13)
- “Home search” (page 15)
- “POI search” (page 15)
- “Intersection search” (page 17)
- “City center search” (page 18)
- “Quick Link search” (page 18)
- “Recent destinations search” (page 19)
- “Address book search” (page 20)
- “Favorites search” (page 20)

Address search

Address search allows you to set the destination by entering the address information such as house number, street name, etc.

Note on the state selection

The system recognizes the state you usually drive in and sets it as default, so that you do not need to enter the same state name at each address search.

When GPS detects that the current position is not in the default state, the state selection display automatically appears, allowing you to set the desired state.

Full address search

Follow the procedure below if you know the house number, street name, and the city name of the destination.

1 In the menu display, touch , then “Enter Address.”

If the state selection display appears, select the new (current) state or “Change to Different State.”

When selecting “Change to Different State,” enter the state name, then select the desired state.

The house number input display appears.

2 Enter the house number.

The street name input display appears.

3 Enter the street name.

The list of street candidates appears.

4 Select the desired street in the list.

The city name input display appears.

5 Enter the city name.

The list of city candidates appears.

continue to next page ↓

6 Select the desired city in the list.

If more than one address candidate exists, the list of candidates appears. In this case, select the desired address.

The address confirmation display appears.



7 Select “Go.”

Route guidance starts.

Street search

If the house number is not known, a search can be made to an approximate point on the street.

1 In the menu display, touch , then “Enter Address.”

If the state selection display appears, select the new (current) state or “Change to Different State.”

When selecting “Change to Different State,” enter the state name, then select the desired state.

The house number input display appears.

2 Select “Skip” without entering the house number.

The search method options appear.

3 Select “Representative Point of the Street.”

The street name input display appears.

4 Enter the street name.

The list of street candidates appears.

5 Select the desired street in the list.

If more than one city or address candidate exists, the setting display(s) appears. In this case, set the city or select the address.

The address confirmation display appears.

6 Select “Go.”

Route guidance starts.

To set the destination in another state

You can select a different state when “State” appears in the name input displays.

Select “State,” enter the state name, then select the desired state.

Tips

- The state can be set by entering its standard 2-letter abbreviation (e.g., NY for New York).
- The list of state/city/street candidates automatically appears without touching “Search” when narrowed down to 4 candidates.

continue to next page ↓

Home search

If you register your home, you can search for a route there.
For details on registering your home, see page 42.

- 1 In the menu display, touch , then “Take Me Home.”**
Route guidance starts.

Tip

If you select “Take Me Home” without having registered a home address, the registration display automatically appears.

With Gesture Command

In the map display, draw .

POI search


POI (Points Of Interest) search allows you to set facilities such as restaurants, hotels, gas stations, etc., as the destination.

The system searches for POIs near the current position.

To search for the POIs in another city

You can specify the city before selecting the POI search method.

In this case, the system searches for POIs in the city center.

- 1 In the menu display, touch , then “Find a Place.”**
The search method selection display appears.

- 2 Select “Points of Interest.”**

- 3 Select “Change City.”**

- 4 Enter the city name.**

- 5 Select the desired city in the list.**

To switch back to the nearby search, select “Nearby.”

continue to next page ↓

By POI name

You can search for a route to a POI by directly entering its name.

1 In the menu display, touch , then “Find a Place.”

The search method selection display appears.

2 Select “Points of Interest.”

3 Select “By Name.”

The POI name input display appears.

4 Enter the POI name.

The list of POI candidates appears in order of distance from the current position.

5 Select the desired POI.

The POI confirmation display appears.



6 Select “Go.”

Route guidance starts.


Tip

If there are too many POI candidates in the list after step 4 above, you can narrow down by selecting category(ies). Select “Category” to show the category list, then select the desired category(ies).

continue to next page ↓

By POI category

You can search for a route to a POI by selecting its category(ies).


- 1 In the menu display, touch , then “Find a Place.”**
The search method selection display appears.
- 2 Select “Points of Interest.”**
- 3 Select “Category.”**
The list of category candidates appears.
- 4 Select the desired category.**
Select sub category when necessary until the POI candidates are narrowed down.
The list of candidates appears in order of distance from the current position.
- 5 Select the desired POI.**
The POI confirmation display appears.
- 6 Select “Go.”**
Route guidance starts.

Tip

If there are too many POI candidates in the list after step 4 above, you can narrow down by entering the POI name. Select “Name” to show the POI name input display, then enter the POI name.

Intersection search

The intersection can be set as a destination, if available for the selected street.

- 1 In the menu display, touch , then “Find a Place.”**
The search method selection display appears.
- 2 Select “Find Intersection.”**
The street name input display appears.
- 3 Enter the street name.**
The list of street candidates appears.
- 4 Select the desired street in the list.**
If more than one city candidate exists, the city name input display appears. In this case, enter the city name, then select the desired city.
The street name input display appears.
- 5 Enter the other street name.**
The list of street candidates appears.
- 6 Select the street.**
The address confirmation display appears.
- 7 Select “Go.”**
Route guidance starts.


Tip

The intersection search can also be made by selecting “Enter Address” in step 1 above and skipping the house number input. For details, see “Street search” on page 14.

continue to next page ↓

City center search

The city center can be set as a destination.

- 1 In the menu display, touch , then “Find a Place.”**
The search method selection display appears.
- 2 Select “Find City.”**
The city name input display appears.
- 3 Enter the city name.**
The list of city candidates appears.
- 4 Select the desired city in the list.**
The address confirmation display appears.
- 5 Select “Go.”**
Route guidance starts.


Tip

The city center search can also be made by selecting “Enter Address” in step 1 above and skipping the house number input. For details, see “Street search” on page 14.

Quick Link search


Quick Link allows for quick access to the preset POI name/category.

Frequently-used POI categories (e.g., “Gas Station”) are preset in Quick Links as default, which can be changed if desired.

- 1 In the menu display, touch , then “Find a Place.”**
The search method selection display appears.
- 2 Select the desired Quick Link.**
The list of POI candidates appears in order of distance from the current position.
- 3 Select the desired POI.**
The POI confirmation display appears.
- 4 Select “Go.”**
Route guidance starts.

continue to next page ↓


Changing a POI name/category in Quick Links

- 1 In the menu display, touch , then “Find a Place.”**
- 2 Select “Quick Link Settings,” then the desired Quick Link.**
- 3 Select the desired setting method.**

Select	To set
By Name	the POI name. Enter the name.
Category	the POI category. Select category(ies).
Category and By Name	the POI category and name. Select category(ies) → “By Name,” then enter the name.

Recent destinations search


The system stores previous destinations, allowing you to select one quickly from the list. For details on how to delete the history, see page 35.

- 1 In the menu display, touch , then “My Places.”**
The search method selection display appears.
- 2 Select “Recent Destinations.”**
The list of searched destinations appears in reverse chronological order.
- 3 Select the desired item in the list.**
The address/POI confirmation display appears.
- 4 Select “Go.”**
Route guidance starts.

continue to next page ↓

Address book search

You can select the destination saved in the address book.
For details on how to manage the address book, see page 35.

- 1 In the menu display, touch , then “My Places.”**
The search method selection display appears.
- 2 Select “Address Book.”**
The list of groups appears.
- 3 Select the desired group.**
The list of data in the selected group appears.
- 4 Select the desired entry in the list.**
The address/POI confirmation display appears.
- 5 Select “Go.”**
Route guidance starts.



Favorites search

You can select a destination that is saved in the Favorites.
For details on how to manage Favorites, see page 36.

- 1 In the menu display, touch , then “My Places.”**
The search method selection display appears.
- 2 Select “Favorite 1,” “Favorite 2,” “Favorite 3,” or “Favorite 4.”**
Route guidance starts.

With Gesture Command

In the map display, draw one of the command strokes:

- Favorite 1: 
- Favorite 2: 

continue to next page ↓

Option menu in the address/POI confirmation display

The option menu in the address/POI confirmation display provides various useful operations. When the confirmation display appears after setting a destination, select “Options,” then one of the following items.

Item	Purpose
Save This Location *1 (page 35)	Saves the selected point to the address book.
Edit Item *1 (page 41)	Edits the selected address book entry.
Interim Destination *2 (page 32)	Adds the point as an interim destination in the current route. The system navigates you to this point before the current destination.

*1 *Appears depending on your selection. “Edit Item” appears when you select “My Places” → “Address Book.” In other cases, “Save This Location” appears.*

*2 *Available only during route guidance.*

Fine adjusting the destination point

You can jump from the address/POI confirmation display to the map scrolling mode, and fine adjust the destination point.

1 Select “Map” in the address/POI confirmation display.

The map in the scrolling mode appears.

For details on the map scrolling mode, see page 25.

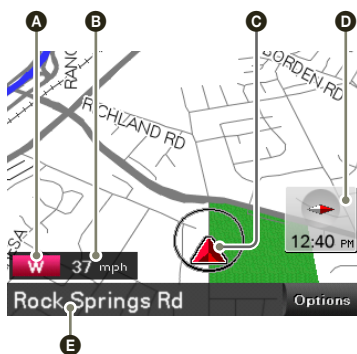
2 Drag the screen to fine adjust the destination point, then select “Go.”

Route guidance starts.

Map operations

Indications on the map

When no route guidance is in progress:

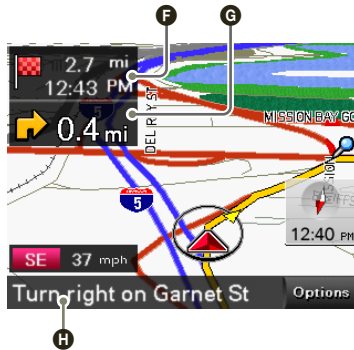


- A** Current direction (page 44)
- B** Current speed (page 44)
- C** Current position/GPS status indication (page 11)
- D** North indicator/current time
- E** Current street name

continue to next page ↓

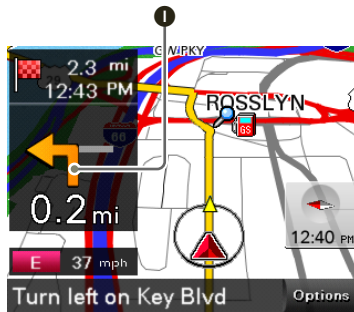
During route guidance:

Straight-ahead driving



- F Distance/ETA (Estimated Time of Arrival) to destination
- G Distance to next turn
- H Next instruction

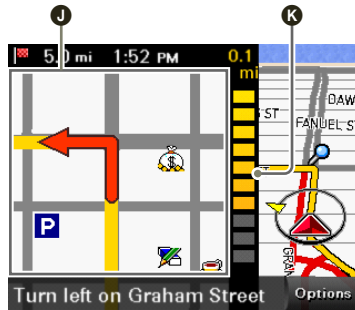
Approaching an intersection



- I Next turn instruction

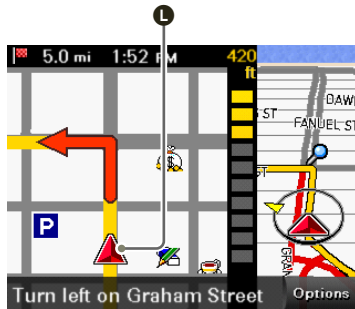
continue to next page ↓

Approaching an intersection (closer)*



- J Magnified view of an intersection (page 46)
- K Bar indication of the distance to next turn

Approaching an intersection (even closer)*



- L Current position

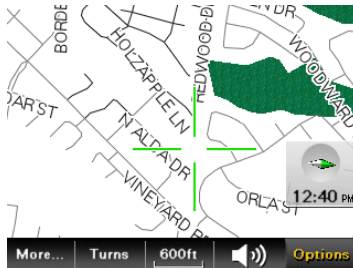
* You can set to hide the magnified view of an intersection (page 46).

continue to next page ↓

Map scrolling mode

You can switch to map scrolling mode by touching the map, whether during route guidance or not.

By placing the desired point into the crosshair, you can view the information on the point or open the map options.



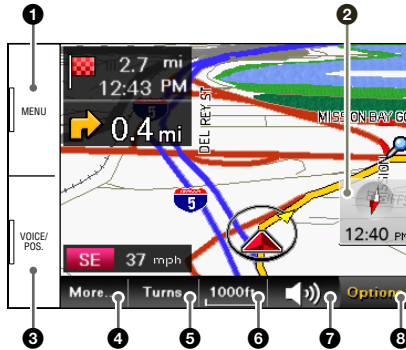
Operations in map scrolling mode

To	Operation
scroll a map	drag the screen
move the desired point to the center of the screen	touch the point
pan the map	touch and hold the center of the crosshair until the beep sounds, then drag it in the desired direction
exit the map scrolling mode	press VOICE/POS. (The current position reappears.)

continue to next page ↓

Using the map tools

The map tool bar appears when you touch “Options” on the map display.



- 1 To show the main menu.
- 2 To toggle the map orientation (heading up/north up).
- 3 **During route guidance:**
To repeat the last voice guidance.
In other cases:
To return to the current position display.
- 4 To show more map options.
- 5 To show the turn-by-turn list (page 33).*
- 6 To zoom in/out the map.
Touch / .
- 7 To adjust the voice guidance volume.
Touch + / -.
To turn off the sound, touch .
- 8 To hide the map tool bar.

* Available only during route guidance.

continue to next page ↓

More map options

More options are available by selecting “More...” in the map tool bar.

Item	Purpose
Navigate to Here *1	Starts route guidance to the point.
Save This Location (page 35)	Saves the point to the address book.
Edit Item *2 (page 41)	Edits the address book entry.
Quit Navigation *3	Exits the current route guidance.
Skip to Next Destination *3*4*5 (page 32)	Reroutes to skip to the next destination.
Block Route *3*4 (page 32)	Routes a detour for a specified distance from the current position.
Search from Here *1*4	Searches for POIs near the selected point.

*1 Available only for the point selected in map scrolling mode.

*2 Available only for address book entry icons.

*3 Available only during route guidance.


*4 Appears when  is touched.

*5 Available only if more than one destination point exists.

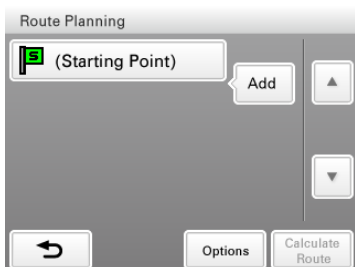
Route planning

Creating a new itinerary

The procedure to create a new itinerary is explained below.

- 1 In the menu display, touch , then “Route Planning.”**
- 2 Select “Route Planning,” then “Options.”**
- 3 Select “New Route.”**

The route planning display appears in which the current position is set as the start point.



For details on how to change the start point, see “Editing route points” on page 30.

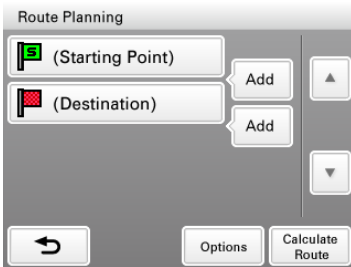
- 4 Select “Add” to add a route point in your itinerary.**
The search method selection display appears.
- 5 Select the desired search method to set the route point.**

Select	To set
Enter Address	by address search (page 13)
Home	your home as the route point (page 15)
Find a Place	by POI search (page 15), intersection search (page 17), city center search (page 18), or Quick Link search (page 18)
My Places	by recent destinations search (page 19), address book search (page 20), or Favorites search (page 20)
Browse Map	a route point from the map display (page 25)
Current Position	the current position as the route point

continue to next page ↓

6 After setting the route point, select “Done.”

The route planning display reappears with the selected point added in the list.



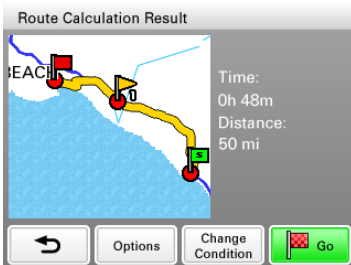
The last setting is listed as the final destination.

Repeat step 4 to 6 to continue adding route points. Up to 10 route points can be set.

7 Select “Calculate Route.”

The route calculation starts.

After the calculation is complete, the route confirmation display appears.



8 Select one of the following items.



Item	Purpose
Go	Starts the route guidance.
Change Condition	Changes the route calculation conditions.

continue to next page ↓

Editing route points

You can edit the selected route points while creating an itinerary.

Select the desired route point in the route planning display, then one of the following items.

Item	Purpose
Change Location	Shows the search method selection display to set the route point again.
Delete	Deletes the selected point from the itinerary.
Change Order	Changes the order of route points. Select the point to move →  /  → "Done."

Tip

You can open the route planning display and modify your itinerary, even after starting route guidance.

continue to next page ↓

Option menu for route planning

The option menu in the route planning/route confirmation display provides various useful operations.

When the route planning/route confirmation display appears, select “Options,” then one of the following items.

Item	Purpose
Save Route	Saves the current route. Select an unregistered line in the list, then enter the name. To overwrite a registered route, select a registered line in the list → “OK.”
Saved Routes *1	Edits the route/starts the route guidance. Select the route, then one of the following options. – “Edit”: Shows the route planning display to edit the route point. – “Rename”: Changes the name of the selected route. – “Delete”: Deletes the selected route. – “Start Navigation”: Starts the route guidance.
Route Profile (page 45)	Shows/changes the current route profile settings.
Calculation Condition *1	Sets the route calculation conditions.
New Route *1	Shows the route planning display to create a new itinerary.
Sort by Distance *1	Sorts the route points in order of distance from the start point.
Simulation *2	Simulates the current route.

*1 Appears only in the option menu of the route planning display while setting the route point(s).

*2 Appears only in the option menu of the route confirmation display after setting the route points.

continue to next page ↓

Adding an interim destination to the current route

During route guidance, you can add an interim destination.

- 1 In the menu display, touch , then select the desired search method to set the interim destination.**

For details on search methods, see “Route searching” on page 13.

You can select the desired search method, except for home search and Favorites search.

- 2 After setting the interim destination, select “Options” in the address/POI confirmation display.**

- 3 Select “Interim Destination.”**

The route guidance to the interim destination starts.

Skipping to the next destination

If more than one destination point exists during route guidance, you can cancel the current destination and reroute to skip to the next destination.

- 1 In the map display, select “Options,” “More...,” then .**

- 2 Select “Skip to Next Destination.”**

The current destination is canceled, and the route guidance to the next destination starts.

Blocking the route

During route guidance, you can detour for a specified distance from the current position. For example, if traffic congestion occurs ahead of the route, you can reroute to avoid this area.

- 1 In the map display, select “Options,” “More...,” then .**

- 2 Select “Block Route.”**

The distance setting display appears.

- 3 Select the desired distance, then “Detour.”**

Recalculation starts.

Route confirmation

Viewing the turn-by-turn list

During route guidance, you can view the turn-by-turn list.

- 1 In the map display, select “Options,” then “Turns.”**
The turn-by-turn list appears.



- 2 Select the desired item to show the detailed information.**

continue to next page ↓

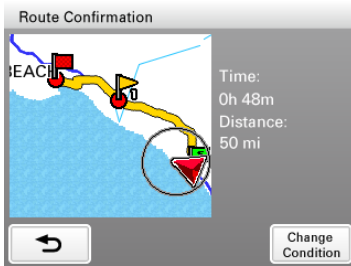
Viewing the entire route

During route guidance, you can view the entire route to the destination.

1 In the map display, select “Options,” then “Turns.”

2 Select “Confirm Route.”

The entire route appears.



To change the route calculation conditions

1 Select “Change Condition,” then the desired option.

Route guidance starts.

Viewing a map of the vicinity of the destination

During route guidance, you can view a map of the vicinity of the current destination.

1 In the map display, select “Options,” then “Turns.”

2 Select “Show Destination.”


A map of the vicinity of the current destination appears.

Destination management

Destinations on “Recent Destinations,” “Address Book,” and “Favorites” can be managed.

Recent destinations


You can delete the history of “Recent Destinations.”

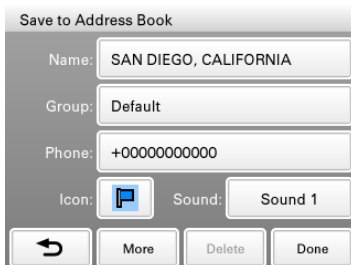
- 1 In the menu display, touch , “My Places,” then “Recent Destinations.”**
- 2 Select “Delete.”**
- 3 Select the item to delete.**
To select all items, select “All.”
To unselect all items, select “Clear.”
- 4 Select “Done,” then “OK.”**
The selected item(s) is deleted.

Address book

You can register the destinations or points on the map to the address book.

From the navigation menu

- 1 In the menu display, touch , then select the desired search method.**
For details on search methods, see “Route searching” on page 13.
You can select the desired search method, except for home search, address book search, and Favorites search.
- 2 After setting the destination, select “Options” in the address/POI confirmation display.**
- 3 Select “Save This Location.”**
The registration display appears.





Save to Address Book

Name: SAN DIEGO, CALIFORNIA

Group: Default

Phone: +00000000000

Icon:  Sound: Sound 1

 More Delete Done

continue to next page ↓

4 Set the following items.

Item	Purpose
Name	Enters the name.
Group	Selects the group to categorize. To create a new group, select “New Group,” then enter the group name.
Phone	Enters the phone number.
Icon	Selects the icon to show on the map. To select from the facility icon list, select “Facilities Icons” → category(ies) → icon.
Sound	Configures the sound setting. – “Sound Function”: Sets to “ON” to have notification sound upon approach. – “Sound Source”: Selects the sound source. – “Distance of Starting to Play Back”: Selects the distance at which the sound will be output.

5 Select “Done.”

The destination is added to the address book and indicated by the selected icon on the map.

From the map option menu

1 In the map display, touch the map to switch to the map scrolling mode, then select the desired point.

2 Select “Options,” then “More...”

Follow the procedure from step 3 above to add the selected point to the address book.

Tip

Further management of address book is available from the setting menu (page 41).

Favorites

You can register destinations to “Favorite 1,” “Favorite 2,” “Favorite 3,” and “Favorite 4” separately.

1 In the menu display, touch , then “General.”

2 Select “Favorites.”

3 Select “Favorite 1,” “Favorite 2,” “Favorite 3,” or “Favorite 4.”

4 Select the desired search method.

For details on search methods, see “Route searching” on page 13.

You can select the desired search method, except for Favorites search.

5 After setting the destination, select “Done” in the address/POI confirmation display.

The destination is stored in the selected Favorite.

To change the registration in Favorites

Follow the procedure above and overwrite a registered Favorite.

Photo Playback

You can view photo files stored on a “Memory Stick Duo” inserted in the unit.

Insert a “Memory Stick Duo” containing photo files shot by a Sony digital still camera in the unit.


Supported photo file type

- **File format**
JPEG
- **File extension**
.JPG
- **Number of pixels**
Max. 12 mega pixels

Viewing photos

1 In the menu display, touch , then “Photo.”

The list of folders/files appears.

To move to the upper level, touch .

To list files as thumbnails, select “Thumbnail.”

2 Select the desired folder/file.

If you select a folder, then select the desired file.

The photo playback display appears with the selected photo file.

continue to next page ↓

Photo playback controls

Touch the display if the photo playback controls are not shown.



- 1 To exit the photo browser.
- 2 To select a file from the list.
- 3 To skip to the previous file.
- 4 To start the slideshow.
- 5 To skip to the next file.
- 6 To open the option menu for photo playback.
- 7 To hide the playback controls.

With Gesture Command

In the photo playback display, draw one of the command strokes:

- Start the slideshow (only when playback controls are shown): ●
- Skip to the previous file: ←
- Skip to the next file: →
- Skip to the previous folder: ↓
- Skip to the next folder: ↑

Option menu for photo playback

The following options for photo playback are available.
Select “Opt.” in the tool bar, then one of the following items.

Item	Purpose
Clockwise	Rotates the current photo clockwise in 90 degree steps.
Counterclockwise	Rotates the current photo counterclockwise in 90 degree steps.

Photo settings

The following photo settings are configurable.

In the photo file list, select “Settings” → the desired item → the desired option.

Item	Purpose
Playing Interval	Sets the slideshow interval.
Repeat	Repeats the slideshow.
Slideshow Range	Plays slideshow of all photo files in a “Memory Stick Duo” or the currently selected folder.
File Order	Sorts photo files by shooting date or name.


Settings

The setting menu includes the following categories.

- “Route Planning” (page 40)
- “Address Book” (page 41)
- “General” (page 42)
- “Map” (page 44)
- “Route Profile” (page 45)
- “Guide” (page 46)

Route planning settings

The following route planning settings are configurable.


In the menu display, touch  → “Route Planning” → the desired item → the desired option.

Item	Purpose
Route Planning (page 28)	Opens the route planning display to create an itinerary.
Simulation	Simulates the last route.

Address book settings


The following address book settings are configurable.

In the menu display, touch  → “Address Book” → the desired item → the desired option.

Item	Purpose
Edit Item	<p>Edits the address book entry.</p> <p>Select the group, then one of the following items.</p> <ul style="list-style-type: none"> – Entry in the list: Opens the display where you can delete an entry, or change the name/group/phone/icon/sound setting. – “Move”: Categorizes entry(ies) to another group. Select the entry(ies) to move → “Move To” → the new group → “OK.” – “Delete”: Deletes an entry(ies). Select an entry(ies) to delete → “Done” → “OK.”
Edit Groups	<p>Edits the group setting.</p> <ul style="list-style-type: none"> – “New Group”: Creates a new group. – “Rearrange Group Order”: Changes the order of groups. Select the group →  → “Done.” – “Edit Group Name”: Changes the group name. – “Delete Group”: Deletes the group and all its entries.
Make Backup	<p>Backs up the address book data on a “Memory Stick Duo.”</p>
Restore Address Book	<p>Restores the address book data from a “Memory Stick Duo.”</p>
Import Items	<p>Imports the address book entry(ies) from a “Memory Stick Duo.”</p> <p>Select the file in the “Memory Stick Duo” → all entries or individual entry → “Done” → “OK” → “OK.”</p>
Export Items	<p>Exports the address book entry(ies) to a “Memory Stick Duo.”</p> <p>Select the group → entry(ies) → “Done” → “Done” → “Done,” select/create a file, then select → “OK” → “OK.”</p>

General settings

The following settings related to the system are configurable.

In the menu display, touch  → “General” → the desired item → the desired option.


Item	Purpose
Volume (Operation Sound)	Presets the volume level for touch screen operation sound: “Level 3,” “Level 2,” “Level 1,” “OFF.”
Units	Selects the distance unit: “Kilometers,” “Miles.”
Time Format	Selects the clock indication: “12hr (AM / PM),” “24hr.”
Time Zone	Sets the time zone automatically or manually.
Select Language	Selects the language for on-screen display.
Display	Adjusts the display settings. <ul style="list-style-type: none">– “Brightness, Day / Night Mode”: Switches the display brightness automatically or sets the brightness for day time/night time use: “Automatic,” “Day,” “Night.” The brightness level for day time and night time use can be adjusted manually.– “Touchscreen Calibration”: Performs the touch screen calibration when the touch function is off the mark. Touch the targets in sequence.
Input Home Address	Registers your home address. <ul style="list-style-type: none">– “Enter Address”: Sets from the navigation menu. For details on how to set the address, see “Address search” on page 13.– “Map”: Selects on the map. For details on how to select the point on the map, see “Map scrolling mode” on page 25.
Start the Configuration Wizard	Configures the basic settings by following the wizard (i.e., to perform the Startup Configuration Wizard again).
Daylight Saving Time	Sets daylight saving time automatically by GPS or manually. <ul style="list-style-type: none">– “Automatic”: Updates automatically by GPS.– “Manual (+1h)”/“Manual (+30min)”: Sets manually.– “OFF”: Standard time.

continue to next page ↓

Item	Purpose
GUI Day / Night Mode	Selects the color theme of menu displays.
Power Saving (Display OFF)	Turns off the display automatically after several minutes of inactivity: “ON,” “OFF.”
Keyboard Style (page 9)	Selects the keyboard type: “QWERTY + 123,” “QWERTY,” “ABC.”
Password Lock	<p>Locks the unit by setting a 4-digit numerical password to prevent unauthorized access: “ON,” “OFF.” Once activated, you will need to enter the password when you turn on the unit.</p> <p>To activate, select “ON,” enter the password, reenter the password to confirm, then select “OK.”</p> <p>To deactivate, select “OFF,” enter the password, then select “OK.”</p>
Change Password	<p>Changes the password for locking the unit.</p> <p>Enter the current password, enter the new password, then reenter the new password.</p>
Reset Factory Default	Resets settings to default.
Product Information	Views the ID number and status (cradle connection, etc.) of the unit.
GPS Status (page 12)	Views the detailed GPS status information.
Firmware Version	Views the firmware version.
Memory Stick Information	<p>Views the information of the currently inserted “Memory Stick Duo,” such as used/free space; formats the “Memory Stick Duo.”</p> <p>To format, select “Format” → “OK” repeatedly.</p>
Demonstration Mode	<ul style="list-style-type: none"> – “Automatic Demonstration”: Sets to start the demonstration automatically after several minutes of inactivity: “ON,” “OFF.” – “Start Demonstration”: Starts the demonstration.
Favorites (page 36)	Registers destinations in Favorites.
Track Log	<ul style="list-style-type: none"> – “Store Track Log”: Logs your position at regular intervals while driving, and stores the data on a “Memory Stick Duo” inserted in the unit for later use on your computer, etc. – “Delete All Track Logs”: Deletes all track logs stored on a “Memory Stick Duo.”

Map settings


The following map display settings are configurable.

In the menu display, touch  → “Map” → the desired item → the desired option.

Item	Purpose
2D / 3D Map View	Selects the default map view. <ul style="list-style-type: none">– “2D”: Overhead view.– “3D” (level 1): Aerial view (high angle).– “3D” (level 2): Aerial view (medium angle).– “3D” (level 3): Aerial view (low angle).
Map Orientation	Selects the default orientation of 2D map. <ul style="list-style-type: none">– “In Direction of Travel”: Heading up.– “Always North”: North up.
Map Color	Selects the map color schemes for day time use and night time use.
Automatic Map Color Change	Switches the map color scheme automatically.
Preset Scale (page 7)	Presets the map scale level for clockwise and counterclockwise circles of Gesture Command.
Landmark Icon	Shows landmark icons on the map. The settings can be configured separately for each facility.
Driving Trail	Shows driving trail on the map: “ON,” “OFF.”
Delete Driving Trail	Deletes driving trail.
Address Book Icon	Shows the address book entry icons on the map: “ON,” “OFF.”
Road Width	Selects the width of the road shown on the map: “Wide,” “Standard.”
Font Size	Selects the size of the fonts shown on the map: “Large,” “Medium,” “Small.”
Icon Size	Selects the size of the icons shown on the map: “Large,” “Medium,” “Small.”
Zoom While Scrolling	Zooms out the map/fixes the scale when scrolling: “ON,” “OFF.”
Compass and Speedometer	Shows the current speed and direction on the map when no route guidance is in progress: “ON,” “OFF.”
Map Version	Views the version of the current map.

Route profile settings


The following route profile settings are configurable.

In the menu display, touch  → “Route Profile” → the desired item → the desired option.

Item	Purpose
Ferries	Allows the use of ferries/avoids them unless no alternative is available: “Allow;” “Avoid.”
Carpool Lanes	Allows the use of carpool lanes/avoids them unless no alternative is available: “Allow;” “Avoid.”
Driving Route History	Uses the driving route history when calculating the route: “Use;” “Not Use.”
Calculation Condition	Sets the route calculation conditions.

Guidance settings

The following route guidance settings are configurable.

In the menu display, touch  → “Guide” → the desired item → the desired option.

Item	Purpose
Volume (Guide)	Presets the volume level for voice guidance: “Level 3,” “Level 2,” “Level 1,” “OFF.”
Voice Attention (Merge)	Activates the audio warning on merge: “ON,” “OFF.”
Automatic Zoom	Zooms out the map automatically when driving on the highway: “ON,” “OFF.”
Intersection Zoom	Shows the magnified view of an intersection: “ON,” “OFF.”
Select Voice	Selects the guidance voice type. For details on how to import guidance voice data from your computer, see “Guidance voice data management” on page 50. To select the desired item, select the item → “Done.” To delete the item, select the item to delete → “Delete” → “OK.”

Using the PC Application Software

You can install the PC application software to your computer. Using the software, you can manage various data to use on the unit.

System requirements

Computer

- IBM PC/AT compatible machines
- USB port

OS

- Microsoft Windows 2000 Professional with Service Pack 4 (or later)
- Microsoft Windows XP Home Edition/Professional with Service Pack 3 (or later)
- Microsoft Windows XP Media Center Edition/Media Center Edition 2004/Media Center Edition 2005
- Microsoft Windows Vista Home Basic/Home Premium/Business/Ultimate with Service Pack 1 (or later)

Monitor

High color (16-bit color) or more, 800 × 600 dots or more

Other

Internet connection for data download and support

Notes

- *The following system environments are not supported.*
 - *Non IBM PC type computers, such as Macintosh, etc.*
 - *Homemade computers*
 - *OS upgraded computers*
 - *Multi-monitor environment*
 - *Multi-boot environment*
- *Depending on the computer condition, operation may not be possible even with the recommended environment.*

Installing the software

- 1 Go to <http://esupport.sony.com/>
- 2 Enter your model number, then click “Continue.”
- 3 Select “Drivers,” then “nav-u tool” to download the software.
- 4 Follow the instructions at the website and complete the installation.

Connecting the unit to your computer

- 1 Turn on the unit and your computer.
- 2 Connect the unit to your computer with the USB cable.

Note

While using the software or transferring data, do not:

- disconnect the USB cable.
- turn off or reset the unit.
- shut down the computer, enter computer standby mode, or restart the computer.

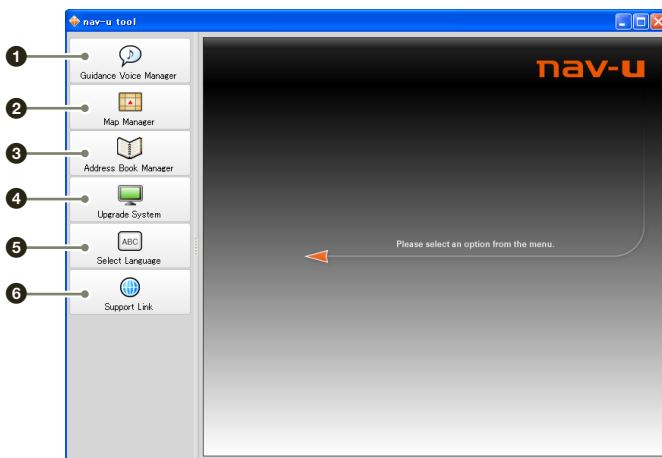
Disconnecting

After using the software or completing the transfer, exit the software, then disconnect the USB cable.

Starting the software

1 Start the software.

Click “start,” then select “(All) Programs” → “nav-u tool” → “nav-u tool.”
The main menu appears.



- ❶ To manage guidance voice data (page 50).
- ❷ To manage the map data (page 51).
- ❸ To manage the address book data (page 52).
- ❹ To upgrade the firmware (page 54).
- ❺ To select the language for software on-screen displays.
- ❻ To access to the Sony navigation support site.

Guidance voice data management

You can transfer guidance voice data from your computer to the unit, using the software. Before starting, connect the unit to your computer and start the software.

You can also transfer data to the “Memory Stick Duo” inserted in the unit.

1 Select “Guidance Voice Manager.”

If the guidance voice data on your computer does not appear, select “Browse,” then specify the data location on your computer.

2 Select the drive corresponding to the unit/“Memory Stick Duo.”

3 In the list, check the box(es) of the guidance voice data to transfer, then select



Transfer starts.

4 Select “OK.”

The guidance voice data is transferred to the unit/“Memory Stick Duo.”

For details on how to select the transferred data on the unit, see page 46.

Note

In step 3 above, a notification appears if free space is insufficient on the unit/“Memory Stick Duo.” Delete unnecessary data by selecting “OK” → “Show” in “Target” → the data to delete → “Delete” → “OK” → “OK.”

Map data management

You can transfer and replace the map data on the unit, using the software (e.g., to restore map data if necessary).

Before starting, connect the unit to your computer and start the software.

1 Select “Map Manager.”

If the map data does not appear, select “Browse,” then specify the data location.

2 In the list, select the map to transfer, then .

3 Select “OK.”

Transfer starts.

4 Select “OK.”

The map on the unit is replaced.

Address book data management

Address book data on the unit or your computer can be managed, using the software. You can transfer or import the address book data on the unit or your computer.

Editing the address book data on your computer

You can edit the address book data on your computer, using the software.

1 Select “Address Book Manager.”

If the data does not appear in the list, select “Browse,” then specify the data location.

2 Select .

3 Select the group/entry to edit, then the desired edit menu.

Select	To
Add	add a new group/entry.
Edit	edit the selected group/entry.

4 Select “OK” after editing is complete.

5 Select “Save item(s) to PC.”

The address book data on the computer is updated.

To delete the group/entry

In step 3 above, select the group/entry to delete → “Delete” → “OK.”

Editing the address book data on the unit

You can edit the address book data on the unit, using the software.

Before starting, connect the unit to your computer and start the software.

1 Select “Address Book Manager.”

2 Select .

Follow steps 3 to 4 of “Editing the address book data on your computer” on page 52 to edit the address book data on the unit, then select “Apply to the Unit.”

continue to next page ↓

Transferring address book data from your computer to the unit

You can transfer address book data from your computer to the unit, using the software. Before starting, connect the unit to your computer and start the software.

1 Select “Address Book Manager.”

2 Select .

If the data does not appear in the list, select “Browse,” then specify the data location.

3 Check the box(es) of the group(s)/entry(ies) on your computer.

4 Select “Transfer including group name.” or “Transfer only item(s).”

5 Select “Transfer.”

Transfer starts.

6 Select “Apply to the Unit,” then “OK.”

The address book data is transferred to the unit.

Note

In step 5 above, a notification appears if free space is insufficient on the unit. Delete unnecessary address book data from the unit (page 52).

Transferring address book data from the unit to your computer

You can transfer address book data from the unit to your computer, using the software. Before starting, connect the unit to your computer and start the software.

1 Select “Address Book Manager.”

2 Select .

3 Check the box(es) of the group(s)/entry(ies) on the unit.

4 Select “Save to PC.”

5 Select “Save.”

Transfer starts.

6 Select “OK.”

The address book data is transferred to your computer.

Note

In step 4 above, a notification appears if free space is insufficient on your computer. Delete unnecessary data from your computer.

Firmware upgrade

You can upgrade the firmware on the unit, using the software.
For details, visit the website below:
<http://www.sony.com/nav-u/support>