



SMART MAP PRO

NVD-V002

DVD NAVIGATION MAP
CARTE DE NAVIGATION DVD
MAPA DE NAVEGACIÓN DEL DVD
DVD NAVIGERINGSKARTA

Prog. Ver. 2.00

OWNER'S MANUAL

Please read before using this disc.

MODE D'EMPLOI

Veillez lire avant d'utiliser ce disque.

MANUAL DE OPERACIÓN

Lea este manual antes de utilizar este disco.

ANVÄNDARHANDLEDNING

Läs igenom handledningen innan du använder den här skivan.



PRECAUTIONS

IMPORTANT INFORMATION, PLEASE READ CAREFULLY BEFORE USING THIS PRODUCT.



This product is intended to safely provide turn by turn instruction to get you to a desired destination. Please read the following precautions to ensure that you use your navigation system correctly.

- This product is not a substitute for your personal judgment. Any route suggestions made by the navigation system may never supersede any local traffic regulations or your personal judgment and/or knowledge of safe driving practices. Do not follow route suggestions if the navigation system instructs you to perform an unsafe or illegal maneuver, places you in an unsafe situation, or routes you into an area which you consider unsafe.
- Glance at the monitor screen only when necessary and safe to do so. If prolonged viewing of the screen is necessary, stop the vehicle in a safe and legal manner and location.
- Do not input destinations, change settings, or access any functions requiring a prolonged view of the monitor and/or remote control while you are driving. Stop the vehicle in a safe and legal manner and location before attempting to access the system.
- Do not use the navigation system to route you to emergency services. Not all locations of emergency service providers such as police and fire stations, hospitals, and clinics are contained in the database. Please use your own judgment and your ability to ask for directions in these situations.
- The map database contained within the media (DVD ROM) in which it is stored is the most recent map data available at the time of production. Because of changes in streets and neighbourhoods, there may be situations where the navigation system may not be able to route you to your desired destination. In these cases, use your own personal judgment.
- The map database is designed to provide you with route suggestions, it does not take account of the relative safety of a suggested route, or of factors which may affect the time required to reach your destination. The database does not reflect road closures or construction, road characteristics (i.e. type of road surface, slope or grade, weight or height restrictions, etc.), traffic congestion, weather conditions, or any other factors which may affect the safety or timing of your driving experience. Use your personal judgment if the navigation system is unable to provide you with an alternate route.
- There may be situations where the navigation system may display the vehicle's location erroneously. Use your own driving judgment in this situation, taking into account current driving conditions. Please be aware that in this situation, the navigation system should correct the vehicle's position automatically; however, there may be times where you may have to correct the position yourself. If this is the case, stop the vehicle in a safe and legal manner and location before attempting operation.
- Make certain that the volume level of the monitor is set to a level which still allows you to hear outside traffic and emergency vehicles. Driving while unable to hear outside sounds could cause an accident.
- Please make certain that any other person who intends on using the navigation system reads these precautions and the following instructions carefully.
- If there is anything in the manual which you do not understand, or are uncertain about the operation of the navigation system, please contact an authorized Alpine representative before using the navigation system.

Points to Observe for Safe Usage

- Read the manuals for this disc and the system components carefully before using your navigation system. They contain instructions on how to use the system in a safe and effective manner. Alpine cannot be responsible for problems resulting from failure to observe the instructions in these manuals.
- This manual uses various pictorial displays to show you how to use this product safely and to alert you to potential dangers resulting from improper connections and operation. Following are the meanings of these pictorial displays. It is important to fully understand the meanings of these pictorial displays in order to use this manual and the system properly.

● Meaning of displays

 Warning	This symbol means important instructions. Failure to heed them can result in serious injury or death.
 Caution	This symbol means important instructions. Failure to heed them can result in injury or material property damage.



Warning

DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE. Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

DO NOT DISASSEMBLE OR ALTER THIS PRODUCT. Doing so may result in an accident, fire or electric shock.

KEEP SMALL OBJECTS SUCH AS BATTERIES OUT OF THE REACH OF CHILDREN. Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS. Use for other than its designed application may result in fire, electric shock or other injury.

DO NOT PLACE HANDS, FINGERS OR FOREIGN OBJECTS IN INSERTION SLOTS OR GAPS. Doing so may result in personal injury or damage to the product.

MINIMIZE DISPLAY VIEWING WHILE DRIVING.

Viewing the display may distract the driver from looking ahead of the vehicle and cause an accident.

DO NOT FOLLOW ROUTE SUGGESTIONS IF THE NAVIGATION SYSTEM INSTRUCTS YOU TO PERFORM AN UNSAFE OR ILLEGAL MANEUVER, OR PLACES YOU IN AN UNSAFE SITUATION OR AREA. This product is not a substitute for your personal judgment. Any route suggestions by this system should never supersede any local traffic regulations or your personal judgment or knowledge of safe driving practice.



Caution

HALT USE IMMEDIATELY IF A PROBLEM APPEARS. Failure to do so may cause personal injury or damage to the product. Return it to your authorized Alpine dealer or the nearest Alpine Service Centre for repairing.

KEEP FINGERS AWAY WHILE THE MOTORIZED FRONT PANEL OR MOVING MONITOR IS IN MOTION. Failure to do so may result in personal injury or damage to the product.

Tips

This indicates supplementary explanation of operation of the system.

User Agreement

In using this DVD-ROM "SMART MAP PRO" (hereinafter referred to as "Disk"), as part of the Aisin AW Co., Ltd. ("Aisin AW") and Navigation Technologies Corporation ("NavTech") Database (hereinafter referred to as "Database"), you are bound by the terms and conditions set forth below. By breaking the seal on this package, and using your copy of the Database and Disk, you have demonstrated your agreement to the terms and conditions of this Agreement. You should therefore, make sure that you read and understand the following provisions.

- The Disk and Database may not be copied, duplicated, processed, or otherwise modified, in whole or in part, without the express written permission of Aisin AW, NavTech and Alpine Electronics, Inc. ("Alpine").
- Neither the Disk nor the Database may be transferred or sublicensed to any third party for profit, rent or loan, or licensed for reuse in any manners.
- The Disk and/or Database may not be decompiled, reverse engineered or otherwise disassembled, in whole or in part.
- The Disk and Database may not be used in a network or by any other manner of simultaneous use in multiple systems.
- The Disk and Database are intended solely for personal use (or internal use where the end-user business), or the consumer. The Disk and Database are not to be used for commercial purposes.
- Neither Aisin AW, Alpine nor NavTech guarantees to the customer that the functions included in the Disk and Database meet a specific objective of user.
- Neither Aisin AW, Alpine nor NavTech shall be responsible for any damages caused by the use of the Disk and/or Database to the actual user and to any third party.
- The Warranty on the Disk and Database shall not extend to an exchange or refund due to misspelling, omission of letters, or any other cosmetic discrepancy in layout found in Disk and/or Database.
- The right to use the Disk and Database shall expire either when the user destroys this software, or when any of the terms for use is violated and Aisin AW, Alpine and/or NavTech exercises the option to revoke the license to use this software.
- The terms and conditions hereof apply to all subsequent users and owners as well as to the actual purchaser.

WARNING

- Operation of the system while driving is dangerous. Users should stop vehicle before operating the software.
- Road conditions and regulations take precedence over information contained on the map display: observe actual traffic restrictions and circumstances while driving.
- This software is designed for use exclusively in the NVE-N077PS series. It cannot and may not be used in conjunction with other hardware.

Table of Contents

Precautions

- 2 Important Information
- 3 Points to Observe for Safe Usage
- 4 User Agreement

Preface

- 6 Navigation terminology
- 7 Features

Before Using The System

- 8 Rewriting operating system programme
- 9 Switching the display on or off
- 10 ... How to switch the map displays
- 11 Main menu and sub-menu
- 12 Point setting menu

Basic Operation

- 13 Deciding the route
- 15 Selecting from the route menu
- 16 Suspending or resuming the route guidance
- 16 Erasing the route
- 17 Registering your home

Searching For Destinations

- 18 Searching for a destination from its address
- 20 ... Searching for a point of interest
- 21 Setting the local point icon display
- 21 Searching for the local POIs using their icons
- 22 Searching from Telephone number
- 22 Searching from memory points
- 23 Searching for home
- 23 Searching from previous destinations searched
- 23 Searching from intersection
- 24 Searching from motorway entrance/exit
- 24 Searching from start point
- 25 Searching by scrolling displayed map

Route Checking

- 26 Overviewing the searched route
- 27 Previewing the searched route

Guidance Screen Configuration

- 28 Guidance map display
- 29 Dual-screen display

Route Editing

- 30 Adding destinations
- 30 Reordering destinations
- 31 Deleting destinations
- 31 Setting required (preferred) roads for the route
- 32 ... Modifying the set required roads
- 32 Deleting the set required roads
- 33 ... Changing the conditions for the route searching
- 33 Setting the route options

Memory Points

- 34 Storing locations in memory
- 34 Editing the memory points
- 36 Deleting the memory points
- 36 Storing the avoid points in memory
- 37 Editing the avoid areas
- 37 ... Deleting the stored avoid points
- 38 Deleting the registered home
- 38 Deleting the stored previous destinations

Customizing Setups

- 39 How to change the setups
- 40 Screen position adjustment

Others

- 40 Vehicle position/direction correction
- 41 Resetting after tyre replacement
- 41 Adjusting the volume level for the navigation system
- 42 Drive simulation

Reference

- 43 Buttons and functions of remote controls
- 45 In case of difficulty
- 46 If this message appears

• This manual explains operation assuming that Alpine NVE-N077PS and RUE-4135 are used. If other model(s) are used, some display screens may vary and locations of the buttons on the remote control are different (see "Buttons and functions of remote controls" on pages 43 and 44). For operation, refer to the manuals for the units you use in addition to this manual.

Preface

Navigation terminology

Navigation

The navigation system displays and tracks the vehicle's position and movement on a moving map display. When a destination is input, the navigation system quickly calculates a route and guides you along the route with pictorial displays and voice prompts.

Current vehicle position

The navigation system integrates the GPS (Global Positioning Satellite) signals received and the map information stored on the DVD ROM to display the position and direction of the vehicle. The system also includes a gyroscope and a speed sensor that enable it to display the present position even in locations where the GPS signals may be blocked.



Current vehicle position

Map matching

Since GPS navigation has an error of 100 – 655 feet (30 m – 200 m), the position of your vehicle may be displayed off the road. Map matching automatically corrects this error so that the position of your vehicle is displayed on the road.

Destination

The point on the map that is your destination is specified and displayed with the destination icon. You can set up to 5 destinations for the same journey.

Destination icon



Route (Blue)

Route

When a destination is input, the navigation system automatically calculates a route and displays it in blue on the map.

Road preference setting

You can set your preferred road on the route to the destination for up to 2 places if your local knowledge helps.

Memory points

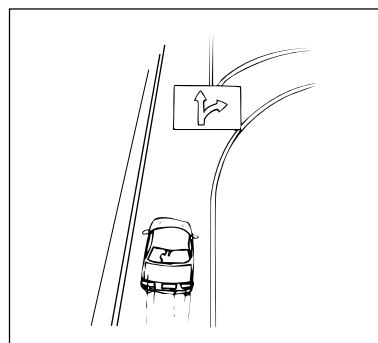
Locations you go to frequently can be stored into memory and marked on the map. The system can store up to 200 points, excluding your home. You can add icons at the memory points so that the system also displays the icons on the map.



Memory point mark

Motorway-preference selection

When searching for routes with the navigation system, you can switch between searching for routes that give priority to motorways and those that give priority to ordinary roads. When you specify motorway preference, the navigation system automatically searches for a route that gives priority to motorways and guides you along that route.



Features

- **Automatic Route Calculation** ———
Just select the destination and your navigation system does the rest, automatically searching for the route you need.
- **Real Time Voice Guide** —————
A voice guide informs you of the distance and direction until your course changes, giving advice timed to match road conditions.
The VOICE button lets you repeat the last voice guide when needed by just pushing the button.
- **Dual-screen Display** —————
Two different maps or guidance screens can be displayed simultaneously. For example, the map screen and the arrow-guide screen, or the map screen and the motorway screen.
- **Direct Inputting of Phone Number** —————
By inputting the phone number of a place or a memory point you have stored, the system can search for it as the destination.
- **Voice Guidance at an Exit or Junction on Motorways** —————
When you approach an exit or junction on the motorway, the system gives you voice guidance using the same name as shown on the road signboards.
- **Map Zooming** —————
You can change the map display in 13 magnification scales (50, 100, 200, 400, 800, 1K, 3K, 6K, 10K, 20K, 50K, 100K and 200K metres) to show more detailed or wider views by pressing the ∇ or \blacktriangle button on the remote control.
- **Direct Input of Name of Place of Interest** —————
Input only the name of a place of interest (without inputting the city name) to search for the route to the place of interest.
- **Eight Languages Selectable for the Voice Guidance** —————
You can choose one of the eight languages (German, English, French, Italian, Dutch, Swedish, Spanish or Danish) for the voice route guidance.
- **Multiple-Destination Setting** —————
You can set up to 5 destinations in any order you like for the same journey.
- **Intersection Zoom** —————
As you near intersections and cross points, the map display automatically zooms in to show a more detailed view that you will need. This means there is no need to press the zoom buttons.
- **Built-in Gyroscope and Speed Sensors** —————
The gyroscope for sensing direction and the speed pulse sensor for detecting distance provide data which allows the vehicle position and direction to be displayed even in locations where the GPS signals cannot be received such as between high buildings or in tunnels.
- **Motorway Information Display** ———
When you travel on motorways, the basic guidance display (with an arrow) automatically shows the distances to the next fuel station/restaurant/parking/junction (except exit).

Before Using The System

Rewriting operating system programme

If a different version of the map disc is used with your navigation system, the operating system programme installed will be rewritten automatically to read this SMART MAP PRO disc.

1 Remove the different version of the map disc from your navigation system. Insert this SMART MAP PRO disc. (For removing and inserting procedures, refer to the Owner's Manual of the system.)

The system starts rewriting of the operation system programme. While the programme is being rewritten, do not turn the power off and on to the system, or do not eject the disc.

2 The opening screen appears in the display.



Notes:

- If a different version of the map disc is inserted after the system programme has been rewritten, the selection menu appears in the display.
- If the user model is either "NVD-V001," or "NVD-V001S," and upgraded, "NAME2" memory point contents already registered are erased.
- For the locations and functions of the remote control's buttons, see pages 43 and 44.

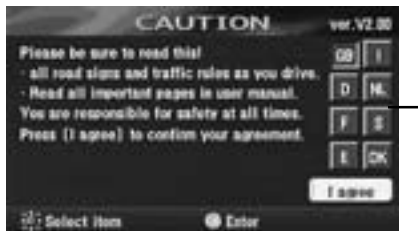
Switching the display on or off

With the Alpine navigation system, when the ignition key is turned to ACC or ON and the display monitor is set in navigation display mode or external input display mode, the opening screen will be automatically displayed.

For operation of the remote control, see pages 43 and 44 and the Owner's Manual for your system.

1 After the opening screen is displayed, important information saying "CAUTION" and the language selection menu are automatically displayed.

There are eight languages to choose from. Select (highlight) your desired language for the picture/voice guidance and texts by tilting the joystick on the remote control, then press the ENTER button on the top of the joystick to execute the selection. The important information changes to the selected language. Be sure to read the important information.



Language selection menu

2 After you have read this important information, select "I agree" and press the ENTER button.

The map screen is displayed.



3 To turn off the display monitor, press the ON/OFF button on the remote control.

When you press the ON/OFF button again, the display monitor is turned on and the opening screen is displayed.

Tips:

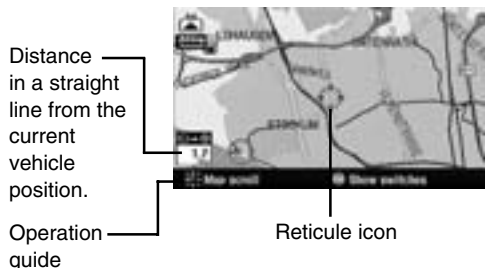
- If there is no disc in the navigation system, "No DVD. Please insert map DVD." is displayed. For details on how to load or remove the disc, refer to the "Inserting a disc" and "Removing a disc" sections in the manual for the navigation system.
- If the inserted disc cannot be read, the "Unable to read data. Check if map DVD is correct." message is displayed. Load the correct disc.
- If the monitor is kept on with the engine off for an extended period of time, the battery may discharge.

How to switch the map displays

Once the route setting has been performed and travelling started, the navigation system provides the driver all of the major route information with real time voice directions and guidance displays. You can manually select the desired guidance displays for your convenience.

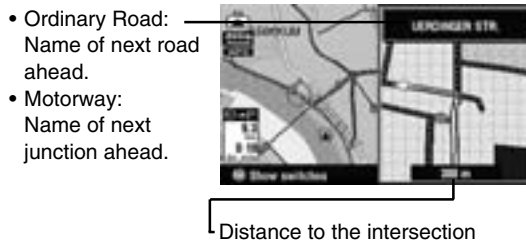
The Current Vehicle Position Display is automatically displayed when travelling starts. Pressing the Δ or ∇ button on the remote control while the map is being displayed the map will be zoom in or out. To return to the current vehicle position screen display from other screen displays, press the POS. button.

Point Display



During navigation, when your vehicle approaches an intersection, the Zoomed Intersection Map of that intersection is displayed. This enlarged Intersection Map gives you further information via voice guidance. (Sometimes, the enlarged crossroads map is displayed even when you are going to go straight.)

Zoomed Intersection Map Display



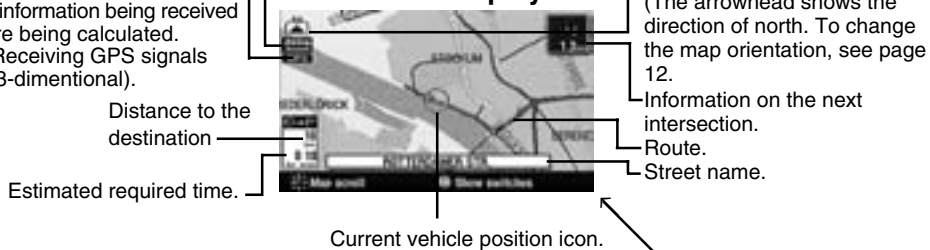
Scale

400 m
← → The distance between the arrows on the screen is 400 metres ($\frac{1}{4}$ mile).

*GPS signal state

No icon: No satellite information being received or satellite signals are being calculated.
Icon is displayed: Receiving GPS signals (in 2-dimensional or 3-dimensional).

Current Vehicle Position Display



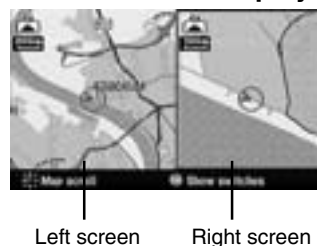
3-D Display for Motorway Junction



Motorway junction

Note:
Applicable to some areas in Germany and UK only.

Dual - Screen Display



Main menu and sub-menu

Use the main menu to select a variety of the system's functions. Select (highlight) a desired main menu item and press the ENTER button. The sub-menu for the selected main menu item automatically appears in the display.

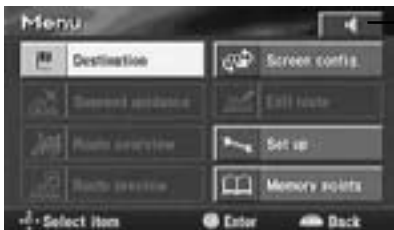
1 Press the MENU button on the remote control to display the main menu when the navigation system is on.

For the locations of the buttons on the remote control, see pages 43 and 44.



Operation guide

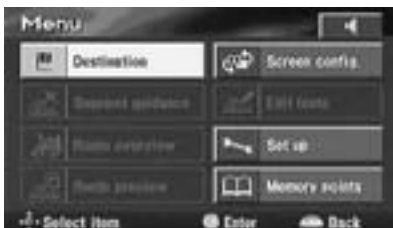
2 The main menu appears on the display.



Volume (see page 41)

Tilt the joystick to select (highlight) a desired main menu item.

3 Make sure that the desired main menu item is highlighted, then press the ENTER button on the top of the joystick to execute the selection of the menu item.



4 The display shows the sub-menu for the selected main menu item. Highlight (select) a desired sub-menu item by tilting the joystick and press the ENTER button.

The screen example shows when "Destination" is selected.



This bar indicates that there is a continuation of the list. Tilt the joystick to scroll the list.

Searching country (For details, see page 13.)

Use when you delete the destination.

Note:
Press the POS. button to return to the current vehicle position screen.

Point setting menu

When a desired point is searched for using the **Destination** or **Memory points** menu etc. and the map for the point area is displayed, the point setting menu is displayed. This menu is very

useful when you set the searched point as a destination or memory point.
After selecting a menu item, press ENTER.

When the point map is displayed using the Destination menu



Map scroll: Select this menu to manually scroll the map with the joystick.

Enter: Use this menu when you set the point as a destination or an additional destination, and calculate the route.

To set the selected point as an additional destination, select "Enter" from the point setting menu and press ENTER. The Set destination menu appears, select "Add" and press ENTER.

Info.: Choose this menu when you want to get some information about the point such as address, phone number, etc. when the point is searched for using POI menu.

Change: Select this menu when you want to change the conditions in searching for a route, such as motorway preference.

When the point map is displayed using the Memory points menu



Map scroll : Select this menu to manually scroll the map.

Enter: Use this menu when you set the point as a memory point or avoid area.

Info.: Choose this menu when you want to get some information about the point such as address, phone number, etc. when the point is searched for using POI menu.

When the ENTER button is pressed while a map screen without the point setting menu is displayed



Map orient.: Select this menu when you want to change the map orientation for the current map display.

POI: Use this menu when you want to display the POI icons on the map or to display the "Local POI list" for the displayed POIs.

[Icon]: This menu appears only when multiple destinations are set. Use it when you specify the desired destination.

Change route: Choose this menu when you want to change to another route (this menu is displayed only when the route has already been set).

Mark: You can store the point as a memory point.

Right screen: Select this menu when dual-screen mode is selected and you want to edit the map orientation and the icon display on the right screen. (See page 29.)

Guide: Use this menu when you want to check the POI icons set on the map. If you select the desired POI icon by tilting the joystick and pressing ENTER, the detailed information of the POI is displayed.

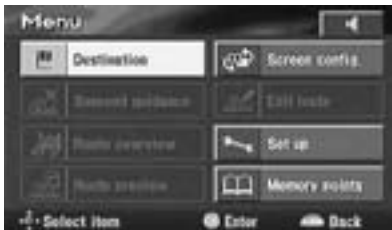
Basic Operation

Deciding the route

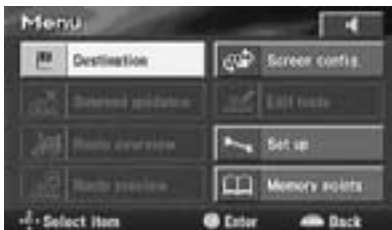
There are three procedures to decide an appropriate route to your desired destination; searching for the location, searching for the route, and deciding the route.

This section describes the operational procedures when a destination is searched for using its address as an example.

1 Press the MENU button on the remote control to display the main menu.



2 Select (highlight) "Destination" from the main menu by tilting the joystick on the remote control and press the ENTER button on the top of the joystick.



3 The Destination search menu automatically appears. Select "Address" from the Destination search menu by tilting the joystick and press the ENTER button.



Searching country (This example shows when Germany is selected.)

Note:

When you search for a location in another country (area), you should change the search country (area). In this case, select "Change" by tilting the joystick and press ENTER. The Search area menu appears, select the desired area (country) by tilting the joystick

and press ENTER. (Select the ▲ or ▼ indicator on the display and press ENTER to scroll the area list.) When you have selected the desired area, choose "OK" by tilting the joystick and press ENTER.

4 The street or town name input alphabet table automatically appears. Tilt the joystick to select the desired character for the first position of the street name and press ENTER. The input character appears at the first position of the text window. Repeat this procedure to input the entire street name.



Tips:

- When 1 character is input, the candidates for the next character are narrowed down.
- Selecting "◀" returns to the previous numeral and erases it.

5 When the street name inputtings have been completed, the list of the input street names appears. Select the desired street name by tilting the joystick and press ENTER.



(To be continued)

6 The house number input table appears automatically. Input the house number in the same manner as step 4 above. When the house number inputtings have been completed, select "List" by tilting the joystick and press ENTER.



7 The map showing the area of the input address with the point setting menu appears. Select "Enter" by tilting the joystick and press ENTER.



8 The system starts calculation of the route. When the calculation is completed, the whole route is displayed.



9 When you start driving this route, the system displays the map with the current vehicle position and begins guidance.



Current vehicle position

Tips:

You can search for a location from various items as shown below.

Searching from	Page No.
Address	P18
POI	P20
Telephone no.	P22
Memory Point	P22
Home	P23
Prev. dest.	P23
Intersection	P23
Motorway entrance/exit	P24
Prev. start point	P24
Map	P25

Selecting from the route menu (three routes searching)

The system calculates up to three routes simultaneously including the recommended route. You can choose any one of the routes.

1 When you have selected a desired destination, the navigation system calculates up to 3 routes and the system automatically displays the "All-route" screen.



2 Press ENTER while the All-route screen is displayed.



3 The route menu appears. Select the desired route menu item and press ENTER.



The route menu items:

- Start: Starts the route guidance.

Note:

If you want to view the drive simulation to check the details of the route, select "Start" then press and hold the ENTER button for at least 5 seconds while the whole route screen is displayed. (For more information, see page 42.)

- 3 routes: Displays the 3 Routes screen.



The list showing information about the distance and required time to the destination is displayed.

Time & distance list		
Search condition	Distance	Time
<input checked="" type="checkbox"/> Quick	11 km	0 - 18 min
<input type="checkbox"/> Short	11 km	0 - 18 min
<input type="checkbox"/> Alternative	14 km	0 - 17 min

- Edit route: Displays the Edit route screen. For details, see page 30.



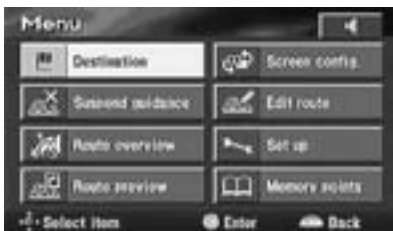
Suspending or resuming the route guidance

You can very easily suspend the route guidance temporarily and resume it.

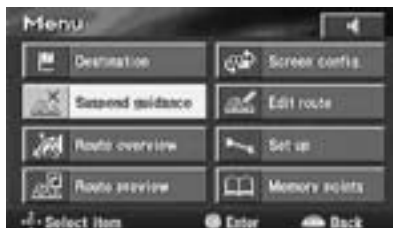
Note:

The route information remains in memory even if the route is cancelled. To erase the route information delete the destination, see "Erasing the route" (next section).

1 Press the MENU button to display the main menu.



2 To temporarily suspend the route guidance, select "Suspend guidance" in the main menu by tilting the joystick and press ENTER.



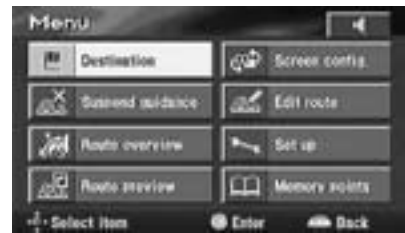
Note:

When the guidance is suspended, the main menu automatically changes to show "Resume guidance."

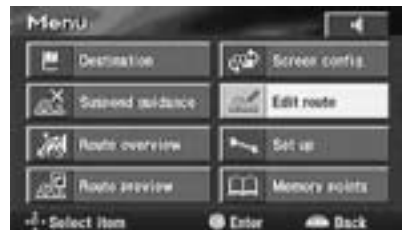
3 To resume the route guidance, select "Resume guidance" in the main menu by tilting the joystick and press ENTER.

Erasing the route

1 Press the MENU button to display the main menu.



2 Select "Edit route" from the main menu by tilting the joystick and press ENTER.



3 Select "Delete" under "Destination" and press ENTER.



Note:

If multiple destinations are set, the Delete destination screen showing the list of the destinations appears. Select the destination to be deleted (or "Del. All" to delete all destinations) by tilting the joystick and press ENTER.

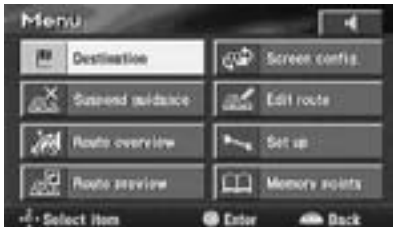
4 The confirmation dialog message appears. Select "Yes" by tilting the joystick and press ENTER if you want to delete the destination(s) and route.



Registering your home

Register your home first. When your home is registered, you can recall it very quickly and setting the route for returning home is simple.

- 1** Press the MENU button to display the main menu.



- 2** Select "Memory points" from the main menu by tilting the joystick and press ENTER.



- 3** The sub-menu appears. Select "Register home" by tilting the joystick and press ENTER.



Note:

You can register only one home. If your home has already been registered, the system shows "Delete home" menu. Select "Delete home" and press ENTER to delete the previously registered home (for details, see page 38). Then, register new home.

- 4** To search for your home location, select the searching method described in the Searching for a Destination section on page 18.



- 5** When the map showing the area of your home is displayed, press ENTER.



- 6** Press the "POS." button to return to the current vehicle position map.

Searching For Destinations

Searching for a destination from its address

If you know the address of the desired destination, you can easily display that point on the map by just inputting the address.

1 Press the MENU button to display the main menu. Select "Destination" from the main menu by tilting the joystick and press ENTER.

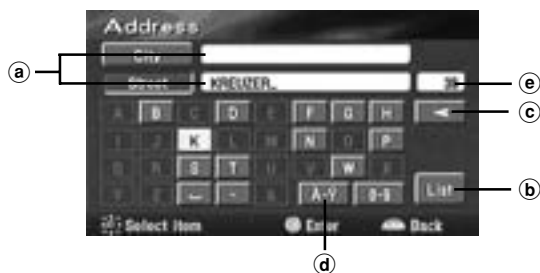
2 The sub-menu for "Destination" appears. Select "Address" by tilting the joystick and press ENTER.



Notes:

- If your destination is located in other country than that currently selected one, be sure to change the searching country.
- To change the searching country, choose "Change." The menu appears, select the desired searching country.

3 The street name input table for the destination appears. Select the character for the first position of the street name by tilting the joystick and press ENTER. The entered character appears at the first position of the text window. Repeat this procedure to complete the character inputtings of the street name.



- a** Text windows
Display the selected characters/numerals.
- b** List
Displays a list of the candidate names for the selected characters/numerals.

- c** ◀
Returns to the previous character/numeral and erases it.
- d** Character with diacritical mark/numeric pallet
Select the desired pallet.
- e** Number of candidates

Tips:

- When 1 character/numeral is input, the candidates for the next character/numeral are narrowed down (and the others are shaded).
- You can also search for a location by inputting just the start of its name and selecting "List" and pressing ENTER.
- If the number of candidate locations is narrowed down, the list of the candidate locations will be displayed automatically. Select the desired location from the list and press ENTER.
- If you want to display the list of candidate street names, select "List" and press ENTER.

When "City" is selected and ENTER is pressed, the city selection menu appears. Select the desired menu item.

- When "Input city name" is selected, input the city name and press ENTER.
- When "5 near cities" is selected, the names of 5 near cities appears in the display. Select the desired city name and press ENTER.
- When a city name is directly selected from the list displayed, press ENTER.
- When "All cities" is selected, the character input pallet will be displayed. Input the city name.

- 4** The list of street names will be displayed. Select the desired street name and press ENTER.



Notes:

- If there are other streets with the same name in other cities when the desired street name is searched for in "All cities" mode, the list of the city names will be displayed. Select the desired city name and press ENTER.
- If there is no location with the input spelling, locations with similar spelling are displayed.

- 5** The house number input table appears. Input the house number in the same manner as for inputting the street name (step 3 above). When the house number inputtings have been completed, select "List" by tilting the joystick and press ENTER.



Notes:

- Your desired destination can be searched for more precisely by inputting the house number.
- If there is no house number or no data in the disc, the system displays the map showing the area of the input street name.

- 6** The map screen showing the selected area with the point setting menu appears.

Note:

For details of the point setting menu, see page 12.

Searching for a point of interest (POI)

If you know the name of the desired point of interest (POI), you can easily display that point of interest on the map by just inputting its name.

1 Press the MENU button to display the main menu. Select "Destination" by tilting the joystick and press ENTER.

2 The sub-menu appears. Select "POI" by tilting the joystick and press ENTER.

3 There are three ways in searching for your desired POI. The Input POI name screen with the character input table appears.

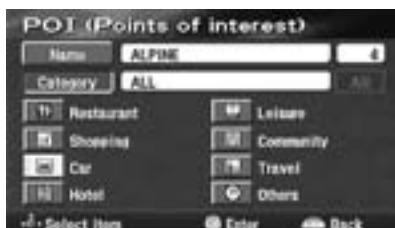
- **By inputting the name:**

1. Input the name of a POI you want to search for by tilting the joystick and pressing ENTER in the same manner as inputting the street name (see page 18).



- **From the category**

1. Select "Category" by tilting the joystick and press ENTER.
2. The category selection menu appears. Select the desired category by tilting the joystick and press ENTER.



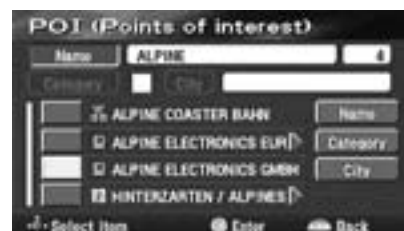
- **From the city name**

1. Select "City" by tilting the joystick and press ENTER. The city selection menu appears, select the desired menu item.



- When "Input city name" is selected, input the city name.
- When "5 near cities" is selected, the names of 5 near cities appears in the display. Select the desired city name and press ENTER.
- When a city name is directly selected from the list displayed, press the ENTER button.
- When "All cities" is selected, the character input pallet will be displayed. Input the city name.

4 Select "List" by tilting the joystick and press ENTER. The list of the candidate POIs and the number of the POIs appear. Select the desired POI by tilting the joystick and press ENTER.



Note:

If you select "Name," "Category" or "City," you can narrow down the number of the candidates.

5 The map screen showing the area of the selected POI and the point setting menu appears.

Note:

For details of the point setting menu, see page 12.

Setting the local point icon display

The system can display on the map the icons for the points of interest such as petrol stations, restaurants, parking lots, etc.

- 1** While a map screen is being displayed, press ENTER.
- 2** The point setting menu appears. Select "POI" from the point setting menu by tilting the joystick and press ENTER.



- 3** The show POI icons screen is displayed. Select a desired POI icon by tilting the joystick and press ENTER.



Notes:

- If you want to display multiple icons, select "More" by tilting the joystick and press ENTER. Then, select the desired icons one by one. When all selections have been completed, select "OK" and press ENTER.
- You can set up to 5 POI icons.
- If you select "POI off," the POI icons do not appear on the map.
- If you select "Guide" from the point setting menu, you can obtain the information about the POI icon displayed on the map. For details, see "Point setting menu" on page 12.

Searching for the local POIs using the their icons

The system can search for the POIs in a range of 30 km (19 miles) around the reticule icon and when POI icons are set you can display their icons with the distance to the POIs. The system can also display only the POIs along the set route.

- 1** While a map screen is being displayed, press ENTER.
- 2** The point setting menu appears. Select "POI" from the point setting menu by tilting the joystick and press ENTER.
- 3** The show POI icons screen appears. Select "Local POI list" by tilting the joystick and press ENTER.



- 4** The list of the Local POIs appears.



You can sort the list by distance, icons or names.

When this menu is selected, the system can list the POIs along the set route.

Notes:

- You can sort the list by distance, icons or names.
- You can list up to 100 places to display.

- 5** Select the desired local POI by tilting the joystick and press ENTER. The map showing the area of the selected POI with the point setting menu appears.

Note:

For details of the point setting menu, see page 12.

Searching from Telephone number

If you have input phone number in your memory points, you can easily display a desired memory point as your destination by just inputting the phone number. For inputting phone numbers for the memory points, see page 35.

1 Press the MENU button to display the main menu. Select "Destination" from the main menu by tilting the joystick and press ENTER.

2 The sub-menu appears. Select "Telephone no." by tilting the joystick and press ENTER. The numeric input table appears.

3 Input the phone number including the area code by tilting the joystick and pressing ENTER. (For details of inputting number, see step 5 on page 19.)
When the desired phone number has been input, select "OK" and press ENTER.



Tips:

- The phone number can also be input using the numeric keypad on the remote control. For operation, see the Remote Control Reference Guide page 43.
- When 1 numeral is input, the candidates for the next numeral are narrowed down (and the others are shaded).
- Selecting "◀" returns to the previous numeral and erases it.

4 The area map of the location with the input phone number is displayed with the point setting menu.

Note:

For details of the point setting menu, see page 12.

Searching from memory points

If memory points have already been registered, you can call them out with a simple operation and choose a desired location as the destination. For details on the registration method, see page 34.

1 Press the MENU button to display the main menu. Select "Destination" from the main menu by tilting the joystick and press ENTER. Select "Memory point" from the sub-menu by tilting the joystick and press ENTER.

2 The list of the memory points is displayed. Select the memory point you wish to display by tilting the joystick and press ENTER.



3 The reticule icon appears at the selected memory point on the map with the point setting menu.

Note:

For details of the point setting menu, see page 12.

Searching for home

If your home has already been registered, you can call it out with a simple operation. For details about the registration method, see page 17.

- 1** Press the MENU button to display the main menu. Select "Destination" from the main menu by tilting the joystick and press ENTER.
- 2** The sub-menu appears. Select "Home" by tilting the joystick and press ENTER.

Searching from previous destinations searched

The system automatically stores up to 20 locations the system have searched for as destinations.

- 1** Press the MENU button to display the main menu. Select "Destination" from the main menu by tilting the joystick and press ENTER.
- 2** The sub-menu appears. Select "Prev. dest." by tilting the joystick and press ENTER.
- 3** The list showing the destinations stored in memory is displayed. Select the desired destination from the list by tilting the joystick and press ENTER.

This bar indicates that there is a continuation of the list. Tilt the joystick to scroll the list.



- 4** The map of the selected destination appears with the point setting menu.

Notes:

- For details of the point setting menu, see page 12.
- The stored location in memory can be erased. For details, see page 38.

Searching from intersection

If you know an intersection near where you want to go, you can input two cross streets as your destination. This section describes how to locate a destination by entering two cross street names.

- 1** Press MENU button to display the main menu. Select "Destination" from the main menu by tilting the joystick and press ENTER.
- 2** The sub-menu appears. Select "Intersection" by tilting the joystick and press ENTER.
- 3** The intersection input table for the 1st street name and 2nd street name appears. Input the 1st street name by tilting the joystick and pressing ENTER in the same manner as for inputting the address for Searching For Destinations (step 3 on page 18).
- 4** The 2nd street name input table appears. Input the 2nd street name.
- 5** When two street names have been input, the map screen showing the area of the selected intersection with the point setting menu appears.



Note:

For details of the point setting menu, see page 12.

Searching from motorway entrance/exit

You can search for a location from the motorway entrance or exit.

- 1** Press the MENU button to display the main menu. Select "Destination" from the main menu by tilting the joystick and press ENTER.
- 2** The sub-menu appears. Select "Motorway entrance/exit" by tilting the joystick and press ENTER. The Motorway Ent./Exit input pallet appears.
- 3** Input the desired motorway name by tilting the joystick and press ENTER.
- 4** When the inputtings of the motorway name have been completed, the list of the input motorways appears. Select the correct motorway by tilting the joystick and press ENTER.
- 5** The Motorway Ent./Exit screen appears. Select "Entrance" or "Exit" as desired by tilting the joystick and press ENTER.
- 6** The list of the entrances or exits of the selected motorway appears. Select the desired entrance or exit by tilting the joystick and press ENTER.



- 7** The map showing the area of the selected entrance or exit of the motorway with the point setting menu is displayed.

Notes:

- When the number of candidates narrows down, the list of candidates is displayed automatically.
- For details of the point setting menu, see page 12.

Searching from start point

When a route has been set, the start point of the route is stored in memory. You can easily call out the start point when you want to return to the start point.

- 1** Press the MENU button to display the main menu. Select "Destination" from the main menu by tilting the joystick and press ENTER.
- 2** The sub-menu appears. Select "Prev. start point" by tilting the joystick and press ENTER.
- 3** The map showing the previous start point and the point setting menu appears.

Note:

For details of the point setting menu, see page 12.

Searching by scrolling displayed map

The displayed map can be freely scrolled with the joystick in eight directions to search for a desired destination.

The best way to find a location is first to display the wide range map and specify the approx. location. You can find the desired location efficiently by specifying more and more detailed maps. (Press the \wedge or \vee button to change the map magnification.)

1 Press the MENU button to display the main menu. Select "Destination" from the main menu by tilting the joystick and press ENTER.

2 The Destination screen appears. Select "Map" by tilting the joystick and press ENTER.

3 The map screen with the current vehicle position appears. Select "Map scroll" by tilting the joystick and press ENTER.



4 Search for a desired destination by scrolling the map with the joystick. The map scrolls in the direction in which the joystick is tilted. Bring the destination point on the map under the reticule icon and press ENTER. The point setting menu appears. For details of the point setting menu, see page 12.

Notes:

- There are two map scrolling speeds, depending on how long the joystick is tilted.
- To return to the previous screen, press the RETURN button.
- To return to the current vehicle position, press the POS. button.

Route Checking

Overviewing the searched route

We recommend that before you begin driving the route, you look at the entire route in the overview display.

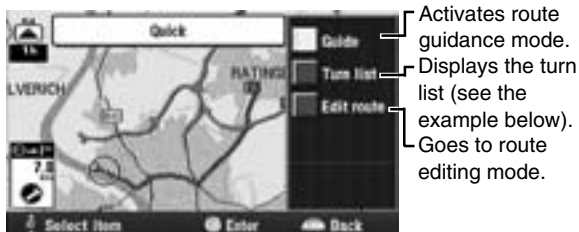
1 Press the MENU button to display the main menu. Select "Route overview" from the main menu by tilting the joystick and press ENTER.

2 The entire route is displayed on a map with a large enough view that you can view the entire route.



Tips:

With the route overview screen displayed, if you press the ENTER button the screen shown below appears.



- Activates route guidance mode.
- Displays the turn list (see the example below).
- Goes to route editing mode.

Example of turn list



3 When you press the POS. button, the system return to the current vehicle position map screen.

Previewing the searched route

When this mode is selected, the reticule icon for the current vehicle position moves along the searched route so that you can preview the route. You can also search for the POIs along the route.

1 Press the MENU button to display the main menu. Select "Route preview" from the main menu by tilting the joystick and press ENTER.

2 The route preview screen with operation menu is displayed.



Select this menu to scroll the map using the joystick.

Select this menu to change the map orientation.

This menu appears only when there are POI icons along the route. You can display the POI information.

Select this menu to display the Edit route preview menu as shown below.



Select the desired menu to move the reticule icon along the route to go to the destination/POI selected or to return to the current vehicle position.

3 Press the POS. button to return to the current vehicle position screen.

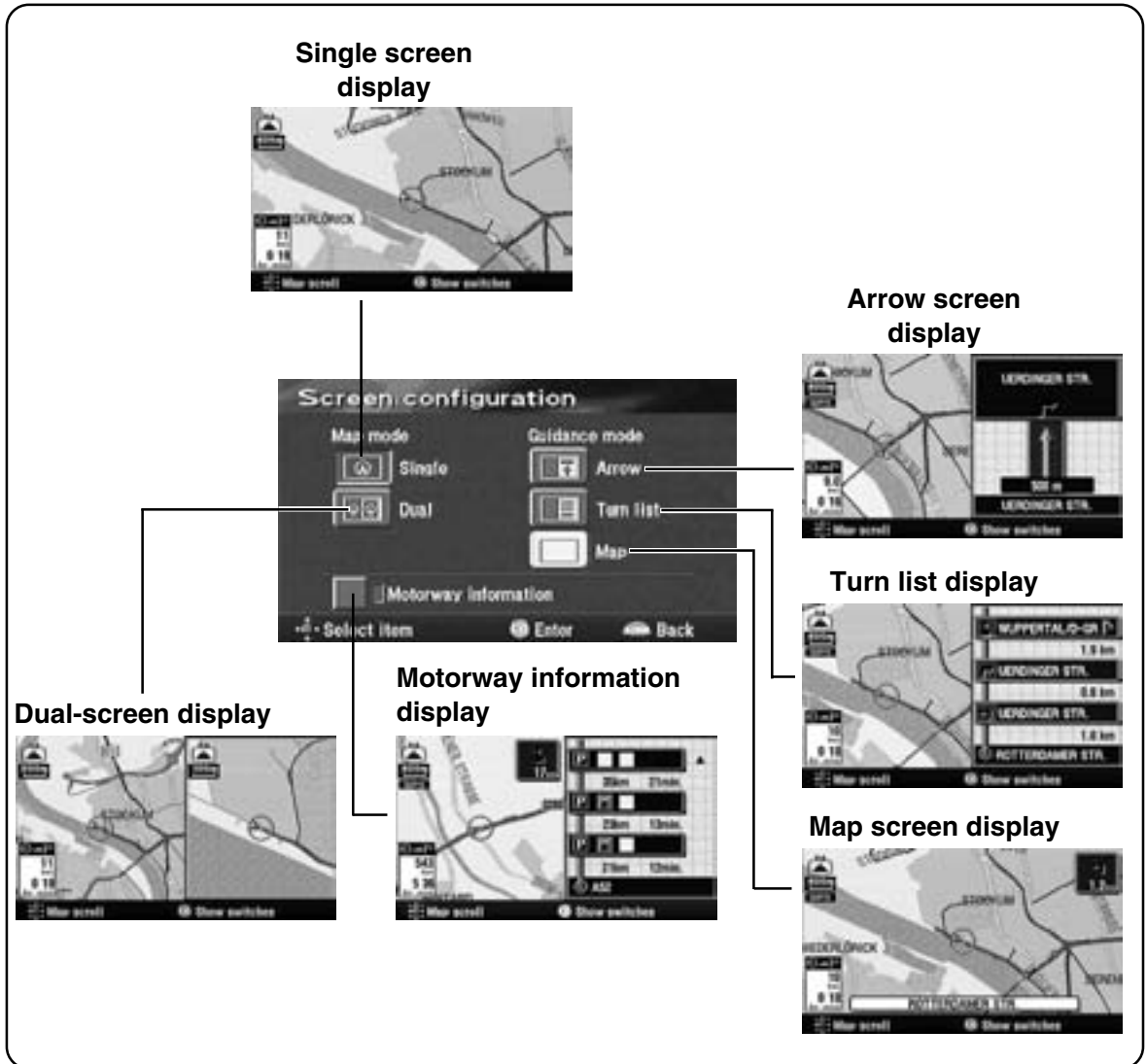
Guidance Screen Configuration

Guidance map display

Your desired guidance map display modes can be selected for your convenience as follows.

1 Press the MENU button to display the main menu. Select "Screen config." from the main menu by tilting the joystick and press ENTER.

2 The Screen configuration selection menu is displayed. Select a desired menu item by tilting the joystick and press ENTER.




Dual-screen display

The system can display two different screens simultaneously for your convenience. For example, a detailed map and a wide range map can be displayed at the same time so that you can view a detailed map around the present vehicle position and a wide range map along the route.

1 Press the MENU button to display the main menu. Select "Screen config." from the main menu by tilting the joystick and press ENTER.

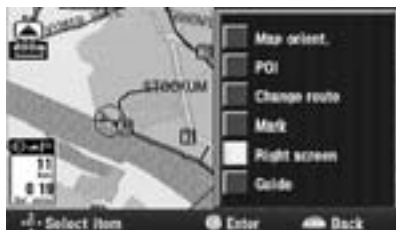
2 The Map configuration screen appears (see page 28). Select "Dual" under "Map mode" by tilting the joystick and press ENTER.

Note:

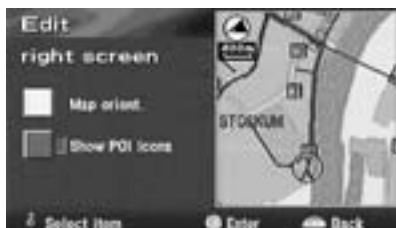
Pressing the  button switches to the dual-screen display.

3 The System changes to dual-screen mode and displays two screens simultaneously. Press ENTER while two screens are displayed.

4 The point setting menu appears. To change display mode of the right screen, select "Right screen" from the point setting menu by tilting the joystick and press ENTER.



5 The Edit right screen menu appears.



- To display the set local POI icons, select "Show POI icons" by tilting the joystick and press ENTER.
- To change the map magnification range, press the \wedge or \vee button.
- If a wider-range map is being displayed, the icons cannot be displayed. In this case, change to a detailed map by pressing the \vee button.

6 When the settings have been completed, press the POS. button to return to the current vehicle position map. Now, the system displays two different screens.

- To change the map orientation, select "Map orient." menu by tilting the joystick and press ENTER. Each pressing of ENTER toggles between north-up and heading-up modes.

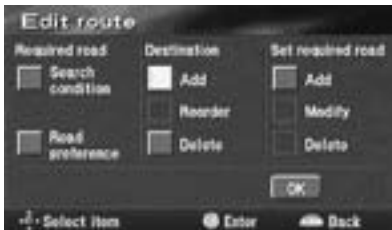
Route Editing

Adding destinations

This operation is for setting multiple destinations for the same journey (up to 5).

1 Press MENU button to display the main menu. Select "Edit route" from the main menu by tilting the joystick and press ENTER.

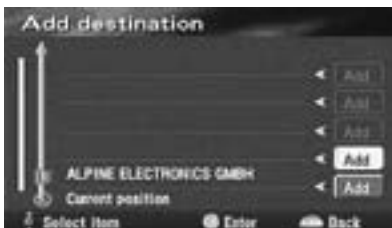
2 The "Edit route" screen appears. Select "Add" under "Destination" by tilting the joystick and press ENTER.



3 The Destination searching screen is displayed. For details of searching for the desired destinations, see pages 18 to 25.

4 When the map showing the area of the selected destination with the point setting menu is displayed, select "Enter" by tilting the joystick and press ENTER.

5 The Add Destinations screen showing the sequence of the destinations is displayed. Select "Add" at the place where the new destination should be added by tilting the joystick and press ENTER.



Note:

To add more destinations (up to 5 in all), repeat this procedure.

6 When you have set all the destinations, select "OK" by tilting the joystick and press ENTER.

Reordering destinations

The sequence of the destinations to go can be changed in any order you like.

1 Press the MENU button to display the main menu. Select "Edit route" from the main menu by tilting the joystick and press ENTER.

2 The Edit route screen appears. Select "Reorder" under "Destination" by tilting the joystick and press ENTER.

3 The list of the Input destinations appears. Select the destinations one by one in the desired sequence of arrival by tilting the joystick and pressing ENTER.

4 When the sequence of the destinations has been changed, select "OK" by tilting the joystick and press ENTER.



5 When the settings have been completed, select "OK" by tilting the joystick and press ENTER.

Deleting destinations

This section describes how to delete an input destination or all of the input destinations at the same time.

- 1** Press the MENU button to display the main menu. Select "Edit route" from the main menu by tilting the joystick and press ENTER.
- 2** The Edit route screen appears. Select "Delete" under "Destination" by tilting the joystick and press ENTER.
- 3** The list of the Input destinations appears. Select the destination you want to delete by tilting the joystick and press ENTER.
(If you want to delete all of the destinations at the same time, select "Del. All" by tilting the joystick and press ENTER.)

Note:

If only one destination is set, the list will not appear.



- 4** The confirmation dialog screen appears. Select "Yes" by tilting the joystick and press ENTER. The selected destination (or all of the destinations) will be deleted.
- 5** When the sequence of the destinations has been changed, select "OK" by tilting the joystick and press ENTER.

Setting required (preferred) roads for the route

- 1** Press the MENU button to display the main menu. Select "Edit route" from the main menu by tilting the joystick and press ENTER.
- 2** The Edit route screen appears. Select "Add" under "Set required road" by tilting the joystick and press ENTER.
- 3** The map showing the entire route appears. Scroll the map and bring the road to be edited under the reticule icon by tilting the joystick and press ENTER.
- 4** The confirmation screen appears. If you prefer to use the road, select "Enter" by tilting the joystick and press ENTER. (If you want to change to another type of road, select "Next" to choose another road.)



- 5** The Add required road screen appears. Select "Add" located at where the required road should be placed by tilting the joystick and press ENTER.

Note:

If only one destination is set, the list will not appear.



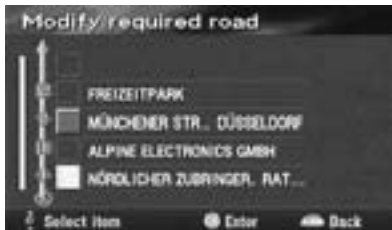
Note:

You can set 1 or 2 required roads.

- 6** When you have set the required road, select "OK" by tilting the joystick and press ENTER.

Modifying the set required roads

- 1** Press the MENU button to display the main menu. Select "Edit route" from the main menu by tilting the joystick and press ENTER.
- 2** The Edit route screen appears. Select "Modify" under "Set required road" by tilting the joystick and press ENTER.
- 3** The list showing the sequence of the set roads to go through appears. When you have set only one waypoint on the route, skip this step and go to step 4. When you have set multiple waypoints, select the road to be modified by tilting the joystick and pressing ENTER.



- 4** The road selected in step 3 above appears on the map. Scroll the map by tilting the joystick to bring the required road under the reticule icon and press ENTER.



- 5** The dialog message appears. Select "Enter" by tilting the joystick and press ENTER. (If the road is not preferred one, select "Next" by tilting the joystick and press ENTER.)
- 6** When settings have been completed, select "OK" by tilting the joystick and press ENTER.

Deleting the set required roads

- 1** Press the MENU button to display the main menu. Select "Edit route" from the main menu by tilting the joystick and press ENTER.
- 2** The Edit route screen appears. Select "Delete" under "Set required road" by tilting the joystick and press ENTER.
- 3** The list showing the sequence of the set required roads to go through appears. When you have set only one waypoint on the route, skip this step and go to step 4. When you have set multiple waypoints, select the set required road to be deleted by tilting the joystick and press ENTER. (If you want to delete all of the set required roads, select "Del. All" by tilting the joystick and press ENTER.)

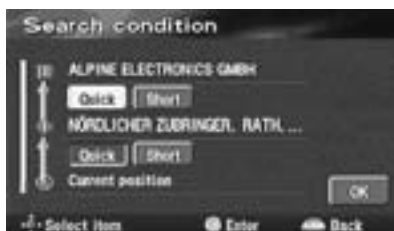


- 4** The confirmation dialog screen appears. Select "Yes" by tilting the joystick and press ENTER. The selected required road is deleted.
- 5** When the required road(s) have been deleted, select "OK" by tilting the joystick and press ENTER.

Changing the conditions for the route searching

You can change the conditions for the route searching between the current vehicle position to a destination or only a portion of the route.

- 1** Press the MENU button to display the main menu. Select "Edit route" from the main menu by tilting the joystick and press ENTER.
- 2** The Edit route screen appears. Select "Search condition" by tilting the joystick and press ENTER.
- 3** The search condition list screen appears. Select the route between the points to be edited and choose the desired condition (Quick, Short, etc.) by tilting the joystick and press ENTER. You can specify the searching condition for other portions of the route as well.



- 4** When the searching conditions have been specified, select "OK" by tilting the joystick and press ENTER.

Setting the route options

The navigation system can search for 4 different types of routes: using motorway, toll road, ferry and restricted road.

- 1** Press the MENU button to display the main menu. Select "Edit route" from the main menu by tilting the joystick and press ENTER.
- 2** The Edit route menu appears. Select "Road preference" by tilting the joystick and press ENTER.
- 3** The Road preference menu appears. Select "Allow" or "Detour" for the item to be edited by tilting the joystick and press ENTER.



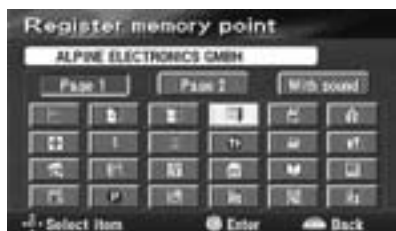
- 4** When the editing for the route option has been completed, select "OK" by tilting the joystick and press ENTER. The navigation system starts the calculation of the route.

Memory Points

Storing locations in memory

You can store up to 200 special points on the map in memory, such as locations you go to frequently or scenic locations. The locations stored in memory can be recalled quickly.

- 1** Press the MENU button to display the main menu. Select "Memory points" from the main menu by tilting the joystick and press ENTER.
- 2** The Memory points menu appears. Select "Register" under "Memory points" by tilting the joystick and press ENTER.
- 3** The Register memory points with the searching menu appears. Search for a desired point. To search for a point, see pages 18 to 25.
- 4** When the point searched for and the point setting menu is displayed, select "Enter" by tilting the joystick and press ENTER.
- 5** The Register memory point mark (icon) selection screen is displayed. Select the desired point mark by tilting the joystick and press ENTER.



Note:

When you select "With sound" and press ENTER, the sound menu appears. Select your desired sound to be produced when you come near the memory point. If the voice guidance and the memory point sound happened to come at the same time, the voice guidance has priority.

- 6** Press the POS. button to return to the present vehicle position screen.

Editing the memory points

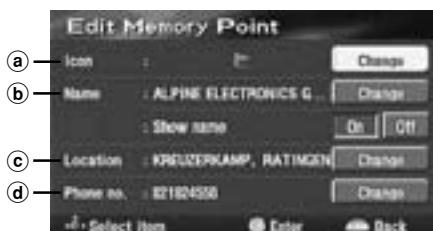
You can change the point marks, names, phone numbers, etc. of the memory points.

- 1** Press the MENU button to display the main menu. Select "Memory points" from the main menu by tilting the joystick and press ENTER.
- 2** The Memory point menu appears. Select "Edit" under "Memory points" by tilting the joystick and press ENTER.
- 3** The list of the memory points appears. Select the memory point to be edited by tilting the joystick and press ENTER.



You can sort by the date, icons or names.

- 4** The Edit memory point screen appears. Select the item to be edited by tilting the joystick and press ENTER.



- (a) Icon**
You can select an icon for the registered point from a number of icons.
⇒ Go to a1 Icon change.
- (b) Name**
You can give a name to a registered point and set to show it or not.
⇒ Go to b2 Name change.

- c Location
The location of a memory point can be moved.
⇒ Go to c1 Location Change.
- d Phone no.
Phone number can be added to a registered point.
⇒ See d1 Phone Number Change.

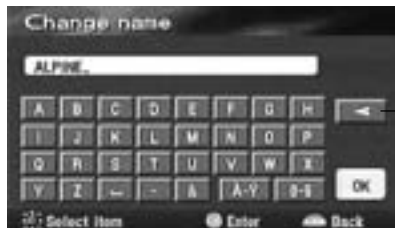
Icon Change

- a1 Select "Change" for "Icon" and press ENTER.
- a2 The icon list appears. Select the desired icon and press ENTER.



Name Change

- b1 Select "Change" for "Name" and press ENTER.
- b2 The character input pallet is displayed. Select the desired characters one by one and press ENTER each time you select a character.



- b3 When character inputtings have been completed, select "OK" and press ENTER.

Note:
To show the name, select "On" and press ENTER. If you do not want to show the name, select "Off" and press ENTER.

Location Change

- c1 Select "Change" for "Location" and press ENTER.
- c2 The location to be corrected is indicated by the reticule icon. Tilt the joystick and move the map to the correct location.



- c3 Press ENTER.

Phone Number Change

- d1 Select "Change" for "Phone no." and press ENTER.
- d2 The numeric input pallet is displayed. Select the desired numeral and press ENTER. Repeat this procedure to complete the editing.



- d3 When the new phone number has been input, select "OK" and press ENTER.

Tips:
Phone Number Editing:
You can search for a desired destination or point of interest using the phone number that is input or edited here. (See page 22.)

- 5 When the editing has been completed, press the POS. button to return to the current vehicle position screen.

Deleting the memory points

- 1** Press the MENU button to display the main menu. Select "Memory points" from the main menu by tilting the joystick and press ENTER.
- 2** The Memory points screen appears. Select "Delete" under "Memory points" by tilting the joystick and press ENTER.
- 3** The list of the Delete memory points appears. Select the memory point to be deleted by tilting the joystick and press ENTER.
(To delete all of the memory points at the same time, select "Del. all" by tilting the joystick and press ENTER.)

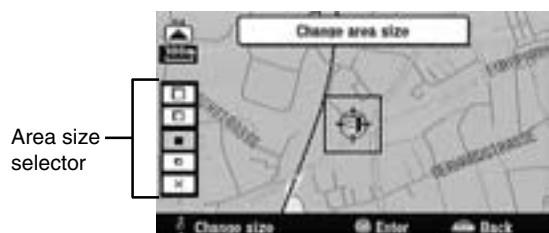


- 4** The confirmation dialog message is displayed. Select "Yes" by tilting the joystick and press ENTER to execute the deletion.
- 5** Press the POS. button to return to the current vehicle position screen.

Storing the avoid points in memory

The system can store up to 10 avoid areas which you do not want to pass through. In the route calculation, the system searches for a route which does not include the avoid areas.

- 1** Press the MENU button to display the main menu. Select "Memory points" from the main menu by tilting the joystick and press ENTER.
- 2** The Memory points screen appears. Select "Register" under "Area to avoid" by tilting the joystick and press ENTER.
- 3** The Register area to avoid screen appears. To search for an area to be avoided, see pages 18 to 25.
- 4** The map showing the area selected with the point setting menu appears. Select "Enter" by tilting the joystick and press ENTER.
- 5** The Change area size screen appears. Select the desired avoid area size from five boxes displayed by tilting the joystick and press ENTER.



Note:

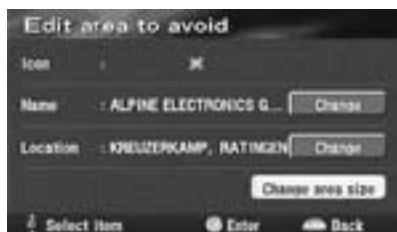
The system accepts the settings only when the map magnification ratio is from 50 m to 800 m.

- 6** Press the POS. button to return to the current vehicle position screen.

Editing the avoid areas

You can change the names, locations, and the area size of the stored avoid areas.

- 1** Press the MENU button to display the main menu. Select "Memory points" from the main menu by tilting the joystick and press ENTER.
- 2** The Memory points screen appears. Select "Edit" under "Area to avoid" by tilting the joystick and press ENTER.
- 3** The list of the stored avoid areas is displayed. Select the avoid area to be changed by tilting the joystick and press ENTER.
- 4** The Edit area to avoid screen appears.



- Name:
Select "Change" for "Name" and press ENTER. The name input pallet appears. Input the new name and select "OK" and press ENTER.
- Location:
Select "Change" for "Location" and press ENTER. The avoid area map appears. Move the map to bring the reticule icon to the point where you want to avoid by tilting the joystick and press ENTER.
- Change area size:
Select this menu and press ENTER to change the avoid area size. Select the desired size by tilting the joystick and press ENTER.

- 5** When the editing has been completed, press the POS. button to return to the current vehicle position screen.

Deleting the stored avoid points

- 1** Press the MENU button to display the main menu. Select "Memory points" from the main menu by tilting the joystick and press ENTER.
- 2** The Memory points screen appears. Select "Delete" under "Area to avoid" by tilting the joystick and press ENTER.
- 3** The list of the stored avoid areas is displayed. Select the avoid area to be deleted by tilting the joystick and press ENTER.
(If you want to delete all of the stored avoid areas at the same time, select "Del. all" by tilting the joystick and press ENTER.)



- 4** The confirmation dialog message appears. Select "Yes" by tilting the joystick and press ENTER. The selected avoid area(s) are deleted.
- 5** Press the POS. button to return to the current vehicle position screen.

Deleting the registered home

You can register only one home, so if you want to edit the registered home, you should delete the previously registered home and register new one.

1 Press the MENU button to display the main menu. Select "Memory points" from the main menu by tilting the joystick and press ENTER.

2 The Memory points screen appears. Select "Delete home" by tilting the joystick and press ENTER.



Note:

If your home is not yet registered in memory, the display shows "Register home."

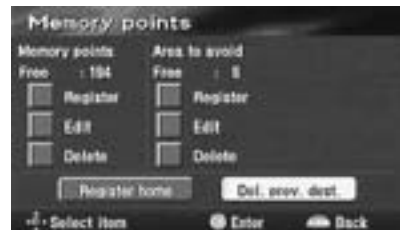
3 The confirmation message for deletion is displayed. Select "Yes" by tilting the joystick and press ENTER to execute the deletion.

4 Press the POS. button to return to the current vehicle position screen.

Deleting the stored previous destinations

1 Press the MENU button to display the main menu. Select "Memory points" from the main menu by tilting the joystick and press ENTER.

2 The Memory points screen appears. Select "Del. prev. dest." by tilting the joystick and press ENTER.



3 The Delete previous dest. screen showing the list of the previous destinations appears. Select the previous destination to be deleted by tilting the joystick and press ENTER.
(If you want to delete all of the previous destinations, select "Delete all" by tilting the joystick and press ENTER.)



4 The confirmation dialog message appears, select "Yes" by tilting the joystick and press ENTER.

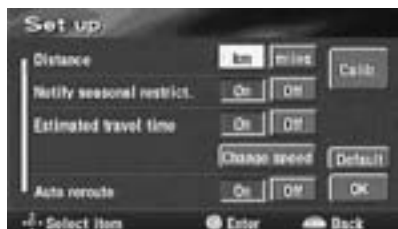
5 Press the POS. button to return to the current vehicle position screen.

Customizing Setups

How to change the setups

1 Press the MENU button to display the main menu. Select "Set up" from the main menu by tilting the joystick and press ENTER.

2 The Set up screen appears. Select the desired item to be customized by tilting the joystick and press ENTER.



3a "Distance"
Selects km or miles.

Note:

For English, you can select the distance indications in either miles or km.

For other languages, only kilometres are used for the distance indications.

3b "Notify seasonal restrict."
Turns the display of the seasonal restrictions on or off.

3c "Estimated travel time"
Turns on or off the estimated travel time display. When "Change speed" is selected, the graphic screen appears in the display. Select the desired menu item and tilt the joystick to the right or left to increase or decrease the average speed respectively. When settings have been finished, select "OK" by tilting the joystick and press ENTER to end the setting procedure.



Note:

To go back to the original settings, select "Default."

3d "Auto reroute"
Turns on or off the automatic rerouting function when the vehicle deviated from the original route.

3e "Voice guide in all mode"
Use this menu when a device having voice interrupt function such as CVA-1003 is connected to the system. In this case, set to the ON position.

3f "Current street name"
Turns the display of the current street name on or off.



3g "Map colour (day), (night)"
Selects normal colour or special colour.

Note:

"day" means when the head lamps are off and "night" means the head lamps are on.

3h "Operation guide on map"
Turns the display of the operation guide on or off.



—Operation guide

3i "Screen adjust"
Use when you adjust the screen position. For details, see next page.

4 When the settings have been completed, select "OK" by tilting the joystick and press ENTER.

Note:

To return to the initial settings, select "Default" by tilting the joystick and press ENTER.

Screen position adjustment

For some TV monitors that can be connected to the navigation system, the screen display will be out of place. Adjust the display position to match the TV monitor you connect to the system.

1 Press the MENU button to display the main menu. Select "Set up" from the main menu by tilting the joystick.

2 The Set up screen appears. Select "Screen adjust" by tilting the joystick and press ENTER.

3 The screen position adjustment screen is displayed.

Adjust the display position by tilting the joystick.

The display screen moves the way you tilt the joystick.

When the adjustment has been completed, press ENTER.

The screen is displayed at the adjusted position.



Others

Vehicle position/direction correction

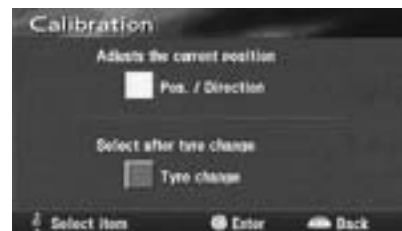
If the actual position/direction of your vehicle and the position/direction of the current vehicle position icon on the map differ (for example, when you moved on a ferry boat), you can manually correct the position/direction of the current vehicle position icon with the following method.

The system's map matching feature automatically corrects the error when you drive the vehicle several miles in good GPS signal reception area.

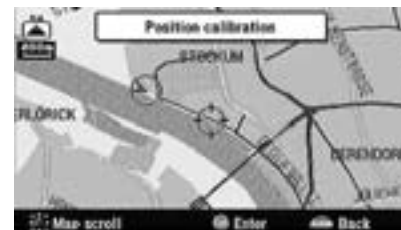
1 Press the MENU button to display the main menu. Select "Set up" from the main menu by tilting the joystick and press ENTER.

2 The Set up screen appears. Select "Calib." by tilting the joystick and press ENTER.

3 The Calibration screen is displayed. Select "Pos./Direction" by tilting the joystick and press ENTER.



4 Tilt the joystick in 8 directions to correct the position. When the correction has been completed, press ENTER.



5 Tilt the joystick toward left and right to correct the direction. When the correction has been completed, press ENTER.

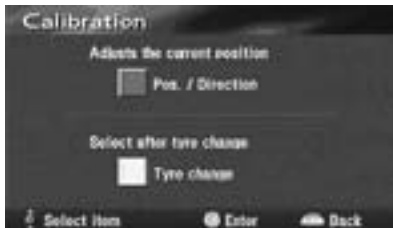
Resetting after tyre replacement

Resetting is required when the vehicle's tyres are replaced. Be sure to perform the following resetting procedure when the vehicle's tyres are replaced.

1 Press the MENU button to display the main menu. Select "Set up" from the main menu by tilting the joystick and press ENTER.

2 The Set up screen appears. Select "Calib." from the Set up screen by tilting the joystick and press ENTER.

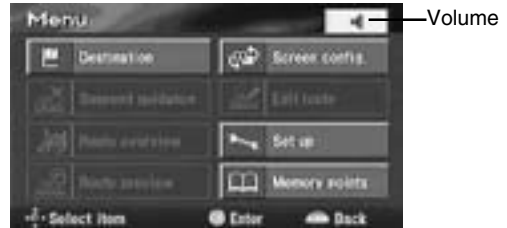
3 The Calibration screen appears. Select "Tyre change" from the Calibration screen by tilting the joystick and press ENTER.



Adjusting the volume level for the navigation system

You can adjust the volume level of the beep sound that is produced when the remote control is operated and the volume level of the voice guide.

1 Press the MENU button to display the main menu. Select "Volume" from the main menu by tilting the joystick and press ENTER.



2 The volume adjustment screen appears. You can adjust the volume level in seven steps from 1 to 7. Select the desired level by tilting the joystick and press ENTER.

Note:

When you want to turn off the sound of the navigation system, select "Off" and press ENTER.



3 Press the POS. button to return to the current vehicle position screen.

Drive simulation

To check the searched route, you can carry out a drive simulation. The icon for the current vehicle position moves along the searched route indicating the contents of guidance that will be provided.

- 1** When the calculation of the route has been completed, the display shows the entire route on the map. For details, see the searching for a route on page 13.



- 2** While the entire route is being displayed, press ENTER.
- 3** The point setting menu appears. Select "Start" from the point setting menu by tilting the joystick, then press and hold ENTER for at least 5 seconds.



- 4** The drive simulation starts. To stop the drive simulation, press the RETURN button. The display returns to the current vehicle position screen.

Reference

Buttons and functions of remote controls

RUE-4135

Joystick/ENTER button

Selects highlighted items in menus and moves map displays and vehicle position icon. Tilt and hold this to scroll at a higher speed. Press the ENTER button to select any highlighted function, screen icon or street segment.

Zoom/Scroll buttons

Change map magnification ratio upward or downward in 13 steps. When the button is pressed momentarily, the map magnification ratio changes one step. When the button is pressed and held, the map magnification ratio changes continuously. Scroll through street, city or category listings a page at a time.

AUDIO/NAV. switch

Switches between Audio and Navigation operations. Pressing this button illuminates the highlighted portion of the display.

LO.PT. (Local Point) button

Press to display the information of the set POI. The "Local POI list" screen is displayed.

ROUTE button

Press to change the set route. "Change route" screen is displayed.

DEST. (Destination) button

Displays the destination menu.

ON/OFF button

Turns the pictorial display on or off.

DEL. DEST. button

Deletes current destination. (Deletes only the next destination to go to.)

TEL. button

Displays the telephone number inputting screen.

Remote Control transmitter

Transmits the remote control signals. Aim toward the display monitor for operation.

Status indicator

Illuminates when the remote is transmitting.

MENU button

Displays the main menu.

MODE button

Press this button to input numerals using the numeric keypad. The numerals can be input while the status indicator is blinking.

RETURN button

Returns the navigation system to the previous searching.

i button

This button is not used in the present version.

□ button

Switches between dual pictures and single picture.

VOICE button

Initiates vocal instruction for next route maneuver or repeats last instruction.

POS. (Position) button

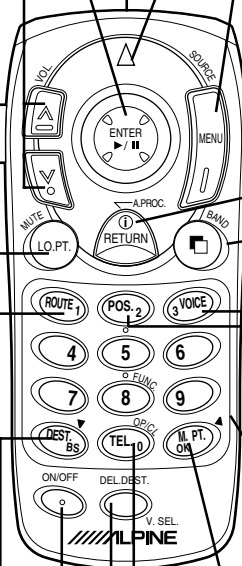
Returns to the current position of your vehicle. When this button is pressed while the current vehicle position map is displayed, information about places around the current vehicle position is displayed.

Numeric Keypad

Use these buttons after pressing the MODE button to enter phone numbers, address numbers or street names containing numbers (i.e., 42nd St.).

BS key: Deletes the character previously input.

OK key: Executes numeral inputting



Tips:

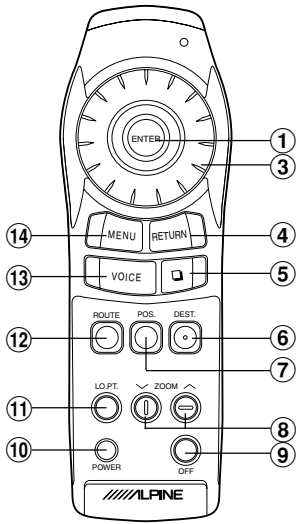
After pressing the MODE button, press the following buttons while the status indicator is blinking : numerals (0 to 9), BS, and OK.

Note: Due to continuous product improvement, specifications are subject to change.

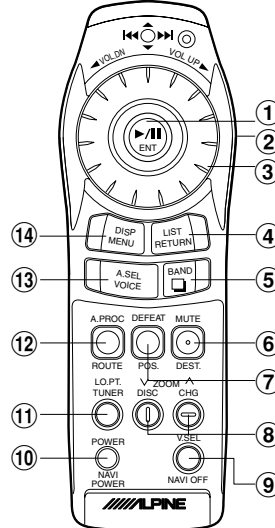
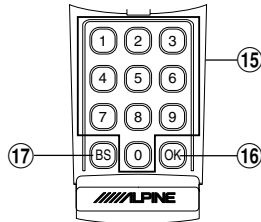
EN

RUE-4131

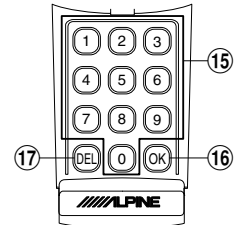
RUE-4167



(with flap lid opened)



(with flap lid opened)



Button No.	Description
①	Tilting the joystick selects items from menus and moves the map in eight directions. Pressing the ENTER(ENT) button selects a highlighted item in the menu.
②	Switches between Audio and Navigation for remote controlling. Push to light. (RUE-4167 only)
③	Not in use.
④	Returns the navigation system to the previous searching.
⑤	Switches between dual pictures and single picture.
⑥	Displays the destination menu.
⑦	Returns to the current position of your vehicle. When this button is pressed while the current vehicle position map is displayed, information about places around the current vehicle position is displayed.
⑧	Changes the map magnification ratio upward or downward.
⑨	Turns the pictorial display OFF.
⑩	Turns the pictorial display ON.
⑪	Press to display the information of the set POI. The "Local POI list" screen is displayed.
⑫	Press to change the set route. "change route" screen is displayed.
⑬	Press this button for voice guidance.
⑭	Displays the main menu screen.
⑮	Input numerals.
⑯	Executes numeral inputtings and starts searching.
⑰	Erases the previous numeral in number inputtings.

In case of difficulty

If you encounter a problem, please review the items in the following checklist. This guide will help you isolate the problem if the system is at fault. Otherwise, make sure the system is properly connected or consult your authorized Alpine dealer.

Symptom	Cause	Solution
No operation	Blown fuse	Replace with a fuse of the prescribed rating.
	Ambient temperature over 50°C	Lower the temperature in the vehicle below 50°C, for example by running for a while with the window open or by using the air conditioner.
	Moisture condensation	Allow enough time for the condensation to evaporate (about 1 hour).
The present vehicle position cannot be measured correctly.	The vehicle position changed after the ignition was switched off. <ul style="list-style-type: none"> • Movement on a ferry boat • Rotation of a parking lot turntable • Movement by tow truck 	Drive for a while with GPS signal reception.
The measurement error is too large.	Poor satellite configuration	Move to a location where GPS satellite reception is easy.
	Measurement is 2 dimensional	
Screen not displayed	The navigation screen is off.	Press the ON (ON/OFF) button on the remote control.
Cannot read disc is displayed for a certain operation.	The disc is dirty.	Clean the disc.
	The pickup lens is dirty.	Consult your Alpine dealer. (Do not use a lens cleaner disc sold in the market.)
Unstable operation	The remote control batteries are wearing out.	Replace the remote control batteries.
No auto reroute	Auto reroute mode is not set.	Select "Set up" from the main menu, then select ON for Auto reroute. (See page 39.)

If this message appears

Various messages are displayed on the monitor screen during operation. In addition to the messages telling you the current status or providing guidance for the next operation, there are also the following error messages. If one of these error messages is displayed, carefully follow the instructions in the solution column.

Message	Cause	Solution
No DVD. Please insert map DVD.	<ul style="list-style-type: none"> The disc has been removed. There was no disc in the system when the power was switched on. 	Insert the disc.
The DVD cover is open. Close it and perform operation again.	<ul style="list-style-type: none"> The DVD cover is open. 	Close the DVD cover
Unable to read data. Check if map DVD is correct.	<ul style="list-style-type: none"> A disc that the system cannot read has been loaded. The disc is dirty or upside down. The disc cannot be read because of condensation. 	Insert the map disc. Take out the disc, check if it was upside down, clean it if necessary, then re-insert it. Take out the disc, allow enough time for condensation to evaporate (about 1 hour), then re-insert the disc.
Menu inoperable while driving.	<ul style="list-style-type: none"> The MENU button was pressed while the vehicle was running. A menu selection operation was carried out while the vehicle was running. 	Move the vehicle to a safe location, stop, and engage the parking brake, then carry out this operation.
Your home has not been registered.	<ul style="list-style-type: none"> An attempt was made to search the map from home with no home registered. 	Register your home, then search the map.
No memory points are registered. Perform operation again after registering a memory point.	<ul style="list-style-type: none"> An attempt was made to search the map from a memory point with no memory point registered. 	Register a memory point, then search the map.
Unable to set additional points. Perform operation again after deleting unnecessary points.	<ul style="list-style-type: none"> An attempt was made to register more than 200 points in memory. 	Erase unnecessary points, then register.
No roads possible for guidance near destination. Please refer to map.	<ul style="list-style-type: none"> When the destination or waypoint was specified, there was no road in the area, so no route could be found. 	Focus on a nearby major road, then specify the destination or waypoint again.
Route could not be found.	<ul style="list-style-type: none"> Route could not be found for some reason. 	Try to search for route again, or set another location as destination.

