





## Sanyo NV-E7000 Installation And Operation Manual

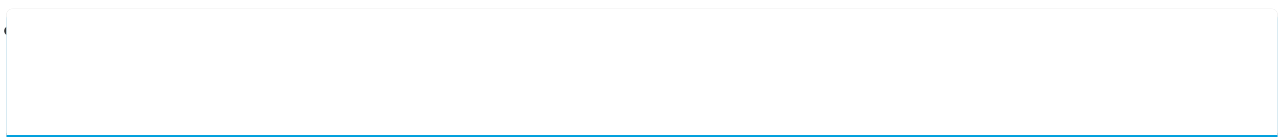
Portable dvd navigation system



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Enlarged version



# INSTALLATION AND OPERATION MANUAL

## Portable DVD Navigation System

# NV-E7000

Part No.:

We would like to take this opportunity to sincerely thank you for purchasing this product.

Read this manual and the warranty certificate carefully prior to using the unit. After having completely read this manual, store it in a safe place for easy reference. Make sure to read the "Safety precautions" and "Cautionary items for proper usage" appearing within this manual.

# INSTALLATION AND OPERATION MANUAL

## Portable DVD Navigation System

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# SANYO

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## Related Manuals for Sanyo NV-E7000

[Car Navigation system Sanyo NV-E7000 Service Manual](#)

Portable dvd navigation system (68 pages)

[Car Navigation system Sanyo NV-E7000 Service Manual](#)

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Portable navigation system (41 pages)

[Car Navigation system SANYO NVM-4030 Instruction Manual](#)

Portable navigation system (42 pages)

[Car Navigation system Sanyo Easy Street NVM-4070 Instruction Manual](#)

Sanyo easy street nvm-4070: user guide (45 pages)

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Portable navigation system (41 pages)

[Car Navigation system Sanyo Easy Street NVM-4050 Instruction Manual](#)

Sanyo easy street nvm-4050: user guide (40 pages)

[Car Navigation system Sanyo NVM-4370 Instruction Manual](#)

Portable (8 pages)

## Summary of Contents for Sanyo NV-E7000

[Page 1](#) INSTALLATION AND OPERATION MANUAL Portable DVD Navigation System NV-E7000  
Part No.: We would like to take this opportunity to sincerely thank you for purchasing this product. ;Read this manual and the warranty certificate carefully prior to using the unit. After having completely read this manual, store it in a safe place for easy reference.

[Page 2](#) OBLIGATIONS WARRANTY APPLICATION WARRANTY BECOMES VOID In order to obtain warranty service, the product must be delivered to and picked up from an Authorized Sanyo New, unused Sanyo Audio/Video products This warranty becomes void if the product's Factory Service Center at the user's expense, unless specifically stated otherwise in this warranty. The



names...

### [Page 3: Table Of Contents](#)

CONTENTS (1) NAVI OPERATION .....54 WARRANTY .....1 DISPLAYING THE MAP SCREEN .....55 CONTENTS .....3 HOW TO VIEW THE MAP SCREEN .....57 TIPS ON HOW TO READ THIS MANUAL.....7 CHANGING THE MAP DISPLAY .....59 INSTALLATION MANUAL .....9 QUICK ROUTE SEARCH .....66 HOW TO INSTALL THE UNIT .....11 BASIC MENU OPERATIONS .....68 GPS EXTERIOR ANTENNA INSTALLATION METHOD .....14...

[Page 4](#) CONTENTS (2) DVD/CD/JPEG IMAGING OPERATION .....140 OTHER .....176 TO START PLAYBACK .....141 CONNECTING A VIDEO DECK/VIDEO CAMERA.....177 VARIOUS PLAYBACK FUNCTIONS.....143 HOW TO ADJUST THE IMAGE .....178 HOW TO USE THE TITLE MENU .....145 ABOUT THE AUTOMATIC BRIGHTNESS ADJUSTMENT FUNCTION ..181 HOW TO USE THE DVD MENU .....146 ABOUT THE BRIGHTNESS OF THE BUTTONS.....181 PLAYBACK FROM THE DESIRED POSITION .....147...

[Page 5](#) TIPS ON HOW TO READ THIS MANUAL ■ The meaning of the symbols ( This manual uses the following marks to call the user's attention. ) appearing in this manual are as The meaning of each mark is provided below. Please make sure you follows.

[Page 6](#) INSTALLATION MANUAL ACCESSORIES WARNING: This product contains chemicals, including lead, known to the State of Parking brake Self-lock connector 12V cigarette lighter AC/DC adapter California to cause [cancer, and] birth defects or other reproductive harm. connector cable connector cable Wash hands after handling. Please contact your place of purchase if you have any questions about installation or connection.

[Page 7](#) HOW TO INSTALL THE UNIT (1) PREPARATIONS PRIOR TO INSTALLATION ;Removing the portable DVD navigation unit ;Adjust the vertical position from the stand base Remove the unit from the stand base and adjust ■ The initial adhesive strength of the double-surface adhesive tape is reduced when the the position of the one-touch attachable shoe.

[Page 8](#) HOW TO INSTALL THE UNIT (2) GPS EXTERIOR ANTENNA INSTALLATION METHOD (1) Determine the installation position Connect the antenna to the portable DVD navigation unit Determine a position for mounting the unit onto the dashboard that renders it The GPS exterior antenna must be connected in order to use the unit as a navigator. easy to view.

[Page 9](#) GPS EXTERIOR ANTENNA INSTALLATION METHOD (2) t WARNING INSTALLATION EXAMPLE For automobiles equipped with airbags (SRS Dual Airbag, SRS Side Airbag, SRS If taking the antenna outside from the driver's seat Curtain Airbag, etc., names vary depending on the maker), do not under any ;Pull the wire through the vehicle interior and take it out from the driver's seat.

[Page 11](#) INTRODUCTION SAFETY PRECAUTIONS .....19 CAUTIONARY ITEMS FOR PROPER USAGE .....24 MAIN FEATURES.....28 ABOUT DISCS.....31 WHAT IS A NAVIGATION SYSTEM.....34 ABOUT THE GPS EXTERIOR ANTENNA .....36 COMPONENT NAMES AND FUNCTIONS (1).....37 CHARACTER INPUT USING THE 10-KEY ON THE REMOTE CONTROL ..45 HOW TO HANDLE THE REMOTE CONTROL .....47 ABOUT THE POWER SOURCE .....50 INSERTING/REMOVING A DISC.....52...

### [Page 12: Safety Precautions](#)

SAFETY PRECAUTIONS (1) ;To ensure proper usage of the unit, read this instruction manual prior to use. WARNING ;After having read it, keep in a safe place for quick reference. Indications appearing both in this manual as well as on the unit itself contain cautionary Do not place or install the unit in an area that would items to ensure that the unit is used safely in order to prevent the operator or others nearby hinder the view of the road, obstruct driving operations...

[Page 13](#) SAFETY PRECAUTIONS (2) WARNING CAUTION Make sure that there is no dust adhering to the metal While driving, adjust the volume of the unit so that Clean the contacts of the AC/DC adaptor. Dust or metal touching the exterior sounds can be heard well. Driving without being dust away contacts may result in fires or electric shocks.

## [Page 14: Cautionary Items For Proper Usage](#)

SAFETY PRECAUTIONS (3) CAUTIONARY ITEMS FOR PROPER USAGE (1) CAUTION WHEN INSTALLING THE UNIT ;The adhesive strength of the double-surface tape decreases at For safety, adhere the stand base onto a surface that would enable secure low temperatures (20°C (68°F) or less). Adhere the unit onto the It's cold! anchoring.

[Page 15](#) CAUTIONARY ITEMS FOR PROPER USAGE (2) ABOUT CONDENSATION ABOUT THE DETAILED MAP SCREEN DISPLAY During raining days, when the humidity level Because the most detailed map reduction scales provided by the map disc vary Take out the is high or immediately after having turned on depending on the region, when moving the map screen to a region of varying reduction disc and the heater in cold temperatures, condensation...

## [Page 16: Main Features](#)

Heavy as well as malfunctions. Please be advised that SANYO will not assume any responsibility whatsoever for any troubles arising from mishandling the unit as a result of not following the cautionary items described within this manual. The unit is not guaranteed for troubles arising from improper handling or using the unit in a way contrary to conventional wisdom.

[Page 17](#) MAIN FEATURES (2) Constant turning direction display DVD VIDEO/CD OTHER FUNCTIONS (Crossing Enlargement Display) zSee p.140, "DVD/CD/JPEG imaging Dual battery format While driving, the turning direction at the operation". For the power source, the unit uses either next intersection may be constantly a 12V vehicle battery or a 120V AC, 60Hz displayed.

## [Page 18: About Discs](#)

ABOUT DISCS (1) DISCS THAT CAN BE PLAYED BACK USING THE UNIT ABOUT REGION NUMBERS Map DVD-ROM included with the unit This unit's region number is "1". DVD videos The world is divided in 6 regions with corresponding region numbers for DVD software. This is to enable DVD players to playback only DVD software with corresponding region Music CDs numbers.

## [Page 19: What Is A Navigation System](#)

ABOUT DISCS (2) WHAT IS A NAVIGATION SYSTEM (1) HOW TO HANDLE DISCS ABOUT THE GPS (GLOBAL POSITIONING SYSTEM) What is GPS ;Try not to touch the recorded surface of discs Electromagnetic waves "GPS" is a global positioning system developed by the when holding them.

## [Page 20: About The Gps Exterior Antenna](#)

WHAT IS A NAVIGATION SYSTEM (2) ABOUT THE GPS EXTERIOR ANTENNA ■ About present location errors ;The GPS exterior antenna must be connected in order to use the unit as a navigator. The mark denoting your vehicle's present location and heading may not be displayed (The unit cannot use other types of antennas.) accurately under the conditions mentioned below.

## [Page 21: Component Names And Functions \(1\)](#)

COMPONENT NAMES AND FUNCTIONS (1) OPERATING THE NAVIGATION UNIT MAIN UNIT Liquid crystal display É button ;Displays the menu screen. ;Pressing for over 1.5 seconds will switch to the image adjustment mode. á button (See p.178) Every time this button is Brightness sensor Remote control pressed, the map display...

[Page 22](#) COMPONENT NAMES AND FUNCTIONS (2) HOW TO USE THE JOYSTICK AND THE Ä BUTTON OPERATING THE NAVIGATION UNIT To use this unit, selecting and pressing (executing) the menus (items) appearing on REMOTE CONTROL the screen is the most basic operation. This operation is performed using the cursor key and the Ä...

[Page 23](#) COMPONENT NAMES AND FUNCTIONS (3) DVD VIDEO/CD OPERATION MAIN UNIT É Liquid crystal display button ;Pressing while the DVD disc is being played back will move the display to the menu screen. (See p.146) ;Pressing for over 1.5 seconds will switch to image adjustment mode.

[Page 24](#) COMPONENT NAMES AND FUNCTIONS (4) DVD VIDEO/CD OPERATION REMOTE CONTROL ® button After having displayed the menu screen while the DVD disc is playing back, press this button to resume playback starting at the place before the menu screen was displayed. 10-KEY Remote control JOYSTICK (a)

## [Page 25: Character Input Using The 10-Key On The Remote Control](#)

CHARACTER INPUT USING THE 10-KEY ON THE REMOTE CONTROL INPUTTING NUMBERS IN THE CHARACTER ALLOCATION button Alphabet : WXYZ HOW TO ENTER CHARACTERS TELEPHONE NUMBER INPUT SCREEN Numeral USING THE 10-KEY Alphanumeric input can be entered Only numbers can be inputted. button Numeral directly by using the 10-key, by selecting...

## [Page 26: How To Handle The Remote Control](#)

HOW TO HANDLE THE REMOTE CONTROL (1) INSERT BATTERIES IN THE REMOVE THE REMOTE RETURNING THE REMOTE Press down on the tab and REMOTE CONTROL FROM THE HOLDER CONTROL TO THE HOLDER pull the cover outward. The remote control uses two AAA Push the side tabs on the Align the tab on the bottom batteries.

## [Page 27: About The Power Source](#)

HOW TO HANDLE THE REMOTE CONTROL (2) ABOUT THE POWER SOURCE (1) MOUNTING THE HOLDER Hint USING A 12V VEHICLE BATTERY To operate the unit using the remote control, point the If mounting the holder in your vehicle, remote control infrared Use the 12V cigarette lighter connector cable and parking brake affix using the included tapping screws transmitter towards the unit's...

## [Page 28: Inserting/Removing A Disc](#)

ABOUT THE POWER SOURCE (2) INSERTING/REMOVING A DISC (1) USING A HOUSEHOLD POWER SOURCE (AC 120V, 60Hz) INSERTING A DISC Press the button for opening the cover. Use the AC/DC adaptor included with the unit. Connect to the household power source The disc insert aperture Disc insert (AC 120V, 60Hz)

[Page 29](#) INSERTING/REMOVING A DISC (2) Close the disc insert aperture cover. Press the “ ” mark appearing on the cover and close the cover completely. Hint The disc will not playback if the cover is not completely closed. Disc insert aperture cover REMOVING THE DISC As described in steps (p.52), open the disc cover, wait till...

## [Page 30: Navi Operation](#)

NAVI OPERATION DISPLAYING THE MAP SCREEN .....55 HOW TO VIEW THE MAP SCREEN .....57 CHANGING THE MAP DISPLAY .....59 QUICK ROUTE SEARCH .....66 BASIC MENU OPERATIONS .....68 LIST OF MENU ITEMS.....69 ABOUT THE QUICK MENU .....70 SEARCHING FOR A GEOGRAPHICAL POINT.....71 POINTS OF INTEREST CATEGORIES .....82 REGISTERING YOUR HOME .....84 ABOUT SETTING ROUTES .....85...

## [Page 31: Displaying The Map Screen](#)

DISPLAYING THE MAP SCREEN SWITCHING TO NAVI MODE FROM ANOTHER MODE Insert the map DVD-ROM disc included with this unit with printed Press the Ü button to display “NAVI”. surface up. “VIDEO” zSee p.52, “Inserting/removing a disc”. Every time this button is pressed, the mode display is switched.

## [Page 32: How To View The Map Screen](#)

HOW TO VIEW THE MAP SCREEN VIEW THE FOLLOWING IS A TYPICAL EXAMPLE OF A MAP DISPLAY The navigation system displays various types of information on the map screen. PLANIMETRIC MAP SCREEN Bearing indicator GPS reception display Simple turning Recommended mark 3D icon route indicator...

## [Page 33: Changing The Map Display](#)

CHANGING THE MAP DISPLAY (1) 3D View SWITCHING MAPS CHANGING THE MAP DIRECTION ENLARGEMENT/REDUCTION Map screen showing a view looking OF THE MAP When in planimetric map screen There are 3 types of map screens available: down and forward from above. ;When enlarging the map (detailed planimetric map screen (North Up), The map's display direction can be changed.

[Page 34](#) CHANGING THE MAP DISPLAY (2) (scroll) Hint MOVING THE MAP ;Pressing repeatedly on the à/â button enables When moving the map screen, move the Joystick. the unwanted reduction scale level screen displays to be \* Pressing down the Joystick to the desired direction will scroll the map in that direction. skipped.

[Page 35](#) CHANGING THE MAP DISPLAY (3) Registering a telephone number Registering a mark ABOUT DISPLAYS DURING Select the item ROUTE SEARCH (Name/TEL/Memo/Mark) to Mark When searching for a route, the following register and press the \* Input up to 10 digits \* The mark selected here is displayed on the displays appear as per the conditions.

### [Page 36: Quick Route Search](#)

CHANGING THE MAP DISPLAY (4) QUICK ROUTE SEARCH (1) Align the destination with the cursor and press the quick route button to initiate a search for a reference route from your present location to the destination based on the Inputting. When inputting is complete, map disc data and the search conditions (Faster Route/Shorter Route/Optimal, select...

### [Page 37: Basic Menu Operations](#)

QUICK ROUTE SEARCH (2) BASIC MENU OPERATIONS Most of the operations for the navigation system are effectuated using the menu. SEARCHING FOR A ROUTE Hint ;To search for a route home, it is an important tool to ensure the proper operation of the unit. Become well FROM THE PRESENT is necessary to register the accustomed to the menu.

### [Page 38: List Of Menu Items](#)

LIST OF MENU ITEMS ABOUT THE QUICK MENU Menu Menu A quick menu is set in this unit to facilitate its main operations. When viewing a map display and pressing the Å button, the quick menu appears. Select an item using the vertical joystick ( d ) and press the Å...

### [Page 39: Searching For A Geographical Point](#)

SEARCHING FOR A GEOGRAPHICAL POINT (1) • If the city name is unknown SELECT THE REGION Region Input the house number, SEARCHING FOR A GEOGRAPHICAL POINT BY THE ADDRESS Address select and press the Search Select City Unknown Press the É button. Å...

[Page 40](#) SEARCHING FOR A GEOGRAPHICAL POINT (2) Select a corresponding item SEARCHING A GEOGRAPHICAL Select a corresponding item SEARCHING FOR A GEOGRAPHIC from the list and press the POINT BY INTERSECTION Intersection POINT BY A POINT OF INTEREST (POI) from the list and press the Å...

[Page 41](#) SEARCHING FOR A GEOGRAPHICAL POINT (3) • If inputting the City name Move the joystick vertically Select a corresponding item SEARCHING FOR A and select the type of point of from the list, press the GEOGRAPHICAL POINT BY THE POI Select Å...

[Page 42](#) SEARCHING FOR A GEOGRAPHICAL POINT (4) ;To make a selection from a list of w Select a corresponding item from the < When inputting the number SEARCHING FOR A GEOGRAPHICAL list and press the Å button. all area names, select All City using the 10-key , POINT BY TELEPHONE NUMBER...

[Page 43](#) SEARCHING FOR A GEOGRAPHICAL POINT (5) < If inputting the number using SEARCHING FOR A SEARCHING FOR A GEOGRAPHICAL SEARCH OR DELETE THE the joystick, GEOGRAPHICAL POINT USING POINT FROM A REGISTERED GEOGRAPHICAL POINT FROM RECENT move the cursor and select LATITUDINAL AND LONGITUDINAL LOCATION Saved Points List...

### [Page 44: Points Of Interest Categories](#)

SEARCHING FOR A GEOGRAPHICAL POINT (6) POINTS OF INTEREST CATEGORIES (1) DELETING 1 REGISTERED DISPLAYING THE GEOGRAPHICAL POINT CORRESPONDING MAP FOR AIRPORT EXHIBITION/CONFERENCE CENTER A GEOGRAPHICAL POINT q Select the point to be deleted and press the q Select the point to be AMUSEMENT PARK FERRY TERMINAL Å...

### [Page 45: Registering Your Home](#)

POINTS OF INTEREST CATEGORIES (2) REGISTERING YOUR HOME SET THE HOME ADDRESS Select and press the \*Some areas may not contain all categories. Å button. Make sure to register your home first on the list of reistered points. Also, PARK AND RIDE SCHOOL registering your home enables home route searches (reference route...

### [Page 46: About Setting Routes](#)

ABOUT SETTING ROUTES (1) When setting a route, the unit searches for a reference route from the departure Hint ;Reference routes vary depending on the map disc. The shortest route is not

always location to the destination based on the registered conditions and the map disc data selected.

[Page 47](#) ABOUT SETTING ROUTES (2) ABOUT ROUTE SEARCHES Roads in the search data Point C, nearest to the registered point in a straight line, becomes Roads not in the search data ;Route searches take a bit of time to effectuate when the distance between the departure the actual destination point.

### [Page 48: Single-Route/Multi-Route Search](#)

SINGLE-ROUTE/MULTI-ROUTE SEARCH (1) Hint ROUTE SETTING PROCEDURES ;If setting the present location as the departure point, verify the display of the actual present location prior to setting the route. ;If you select ✓ at Check Highway from Preferred Route and registering departure/waypoint/destination point adjacent to highways and local roads, a Register the destination point verification message will appear asking whether you want to set highways in your...

[Page 49](#) SINGLE-ROUTE/MULTI-ROUTE SEARCH (2) < Stopping a route search Hint REGISTER THE DESIRED Move the Joystick to align the ;To stop route guidance, refer Press the É button. DESTINATION POINT AND SET THE cursor with the “+” mark on to p.104, “Pausing route SEARCH CONDITIONS New Route guidance”.

[Page 50](#) SINGLE-ROUTE/MULTI-ROUTE SEARCH (3) Settable search conditions About the display after a route REGISTERING A DEPARTURE search ; Faster Route POINT OTHER THAN THE ;When the route search is complete, the Search for a route prioritizing highways . PRESENT LOCATION recommended route will appear as a ;...

[Page 51](#) SINGLE-ROUTE/MULTI-ROUTE SEARCH (4) r Display the waypoint map, align ADDING WAYPOINTS the cursor with the waypoint and press the Å button. Adding locations as waypoints on the way to your destination and roads you want to drive on will set a route with respect to those specifications.

### [Page 52: Modifying A Route](#)

MODIFYING A ROUTE (1) CHANGING THE CHANGE THE SET DESTINATION OR DEPARTURE, CHANGE, ADD OR DEPARTURE POINT DELETE WAYPOINTS OR CHANGE q Select THE SEARCH CONDITIONS press the Å button. Current Route The set route can be modified and a new route search can be effectuated.

[Page 53](#) MODIFYING A ROUTE (2) zSee p.91, “Register the desired CHANGING/DELETING ADDING WAYPOINTS CHANGING SEARCH destination point and set the search WAYPOINTS CONDITIONS conditions”. q To add a location, select q Select the waypoint to be q Select the search conditions and press the Å...

### [Page 54: Displaying The Present Route](#)

DISPLAYING THE PRESENT ROUTE STORING/DELETING THE PRESENT ROUTE (1) Hint DISPLAYING THE PRESENT ROUTE SAVING THE PRESENT ROUTE ;After setting the route, that Save new route will be automatically deleted if initiating a new route The recommended route resulting from Up to 20 geographic points and search search, changing or re- the route search (from the departure...

### [Page 55: Viewing Road Information With The Present Route](#)

STORING/DELETING THE PRESENT ROUTE (2) VIEWING ROAD INFORMATION WITH THE PRESENT ROUTE Hint DELETING THE PRESENT ROUTE VIEWING ROAD INFORMATION The following instances will Delete Route Information Display result in the automatic deletion of the present route: The presently set route can be deleted. While driving, you can view highway ;When effectuating a quick and road names, interchange (IC),...

### [Page 56: Searching For A Way Home](#)

SEARCHING FOR A WAY HOME STOPPING/STARTING ROUTE GUIDANCE Hint SEARCHING FOR A WAY HOME PAUSE ROUTE GUIDANCE START ROUTE GUIDANCE ;To use this function, it is Route to Home Stop Route Guidance Start Route Guidance necessary to register the location of your home in Reference routes from the present The voice guide and screen display of Route guidance for the present route is...

## [Page 57: Modifying Route Conditions](#)

MODIFYING ROUTE CONDITIONS < If checking Highway Hint MODIFY ROUTE SEARCH ;Even if having set Shorter Select Check Highway and press CONDITIONS Preferred Route Route, if the distance between the Å button to indicate a the departure and destination Change the search conditions for mark.

## [Page 58: Straying Off The Route \(Reroute\)](#)

STRAYING OFF THE ROUTE (REROUTE) THE ROAD AHEAD CANNOT BE TAKEN (DETOUR SEARCH) Hint Hint STRAYING OFF THE ROUTE THE ROAD AHEAD CANNOT BE ;If having registered a ;If route guidance is performed Reroute TAKEN (DETOUR SEARCH) Reroute waypoint(s), a route passing using a route retrieved from through them is searched for the memory, that stored route...

## [Page 59: Saved Routes List](#)

SAVED ROUTES LIST (1) RETRIEVE STORED ROUTES DISPLAY A STORED ROUTE When finished viewing... Select and press the Saved Routes List Saved Routes List press the Å button. Å button. Stored routes can be retrieved (route Maps from which geographical points search).

## [Page 60: Route Simulation](#)

SAVED ROUTES LIST (2) ROUTE SIMULATION DELETE A REGISTERED ROUTE ROUTE SIMULATION To end route simulation... Select and press the Saved Routes List Route Simulation Å button. The route simulation will repeat itself continuously until you press Stored routes can be deleted. You can display the set route on the either the Ñ...

## [Page 61: Changing The Main Screen Settings](#)

CHANGING THE MAIN SCREEN SETTINGS < Press the á button on the Example Selecting "Heading Up" Hint CHANGING THE MAIN SCREEN ;With the 3D View, the map remote control to switch the SETTINGS Map Display display direction is always the map screens.

## [Page 62: Setting The 2-Screen Display](#)

SETTING THE 2-SCREEN DISPLAY (1) SETTING THE 2-SCREEN SELECTING THE DISPLAY THE ROUTE SETTING THE 2-SCREEN DISPLAY DISPLAY CONTENT Map Display REDUCTION SCALE INFORMATION When displaying the present location, When route guidance is in progress q Select The type of right screen (information with the you can split the screen in two and after a route search, the road names...

[Page 63](#) SETTING THE 2-SCREEN DISPLAY (2) Select Crossing Enlargement Display Hint - because the data in the map and press the Å button. disc is only as updated as the time of purchase, the mark is indicated. displayed content may differ from actual conditions.

## [Page 64: Changing The Route Guidance Screen Settings](#)

CHANGING THE ROUTE GUIDANCE SCREEN SETTINGS (1) w Press the Å button to Press the É button. place a mark..Indicates that this condition is set. To change, press the Å Select from the Route Guidance button again to delete the drop-down menu and press the Å...

[Page 65](#) CHANGING THE ROUTE GUIDANCE SCREEN SETTINGS (2) Example of setting "enable". DISABLING VOICE GUIDANCE SETTING VOICE GUIDANCE SELECT THE SET ROUTE COLOR Route Guidance Route Guidance Press the Å button again to The unit can tell you vocally when you remove the mark.

## [Page 66: Indicating The Street Name](#)

CHANGING THE ROUTE GUIDANCE SCREEN SETTINGS (3) INDICATING THE STREET NAME Press the Ñ button SELECT TO ENABLE/DISABLE To complete setting... INDICATING THE STREET NAME DISPLAY EST. TIME TO DESTINATION System Setting press the Ñ button to to show the present location ROUTE GUIDANCE Route Guidance map.

## [Page 67: Changing The Unit Of Distance, The Color Of The Map And The Present Location Mark](#)

CHANGING THE UNIT OF DISTANCE, THE COLOR OF THE MAP AND DISABLING THE REGISTERED POINT MARK DISPLAY THE PRESENT LOCATION MARK SELECT THE MAP COLOR CHANGING THE

COLOR OF THE DISABLING THE REGISTERED To complete setting... MAP AND THE PRESENT LOCATION (DAY/NIGHT/AUTO) POINT MARK DISPLAY press the N...

## [Page 68: Displaying Latitudinal And Longitudinal Coordinates](#)

DISPLAYING LATITUDINAL AND LONGITUDINAL COORDINATES CLOCK SETTING DISPLAYING LATITUDINAL AND SELECT THE Clock Mode LONGITUDINAL COORDINATES and Clock Size System Setting Clock Setting Latitudinal and longitudinal coordinates Press the É button. can be displayed on the map screen (excluding present location display). Press the É...

## [Page 69: Using Tracks](#)

USING TRACKS (1) Start recording tracks USING TRACKS Save Route Track DISABLING TRACK Memory Select and press the When the present location mark moves, the RECORDING FUNCTION Change Place markers along the road already tracks appear. Å button. followed and record them. As described in step (p.127), check if This also starts the track registration...

[Page 70](#) USING TRACKS (2) Example of selecting "memory 3". Recording DISABLING TRACK DELETING TRACKS t Select and press the Clear DISPLAY Å button. q Press the É button. The tracks disappear from the map. w Select Save Route Track from the \* Disabling the display doesn't erase the tracks Recording Select...

## [Page 71: Modifying The Present Location Mark Location And Bearing](#)

MODIFYING THE PRESENT LOCATION MARK LOCATION AND BEARING MODIFYING THE PRESENT Correct the present location Select Adjust Current Location LOCATION MARK LOCATION AND mark with the Joystick (s) from the drop-down and press the Å BEARING Adjust Current Location menu and press the Å button.

## [Page 72: Editing/Viewing Registered Points](#)

EDITING/VIEWING REGISTERED POINTS (1) Registering a telephone number Changing a mark EDITING/VIEWING REGISTERED Select the item POINTS Edit Saved Location (Name/TEL/Memo/Mark) to Mark change/register and press the You can change the names/marks of Å button. \* Input up to 10 digits \* The mark selected here is displayed on the marked locations and register map.

## [Page 73: Retrieving Registered Point Maps](#)

EDITING/VIEWING REGISTERED POINTS (2) RETRIEVING REGISTERED POINT MAPS Inputting. When inputting is complete, RETRIEVING REGISTERED POINT Select Display Map and press MAPS Edit Saved Location select on the item Done the Å button. board and press the Å Example Inputting "A" → "B" in the memo. Press the É...

## [Page 74: Deleting Registered Points](#)

DELETING REGISTERED POINTS VIEWING GPS INFORMATION DELETING REGISTERED POINTS VIEWING GPS INFORMATION When finished viewing, press Select and press the the Å or Å Edit Saved Location GPS Information Å button. button. The latitudinal and longitudinal Press the É button. coordinates of the present location, the The display will return to the menu number of GPS satellites now being used...

## [Page 75: Verifying Unit Connection](#)

VERIFYING UNIT CONNECTION VERIFYING UNIT CONNECTION When verification is complete, press the Å or Sensor Information Å button to return to If the unit is not well connected to your the menu screen. vehicle, it will not function properly. After having completed the connection, check the parking brake connection at the connection verification screen.

## [Page 76: Dvd/Cd/Jpeg Imaging Operation](#)

DVD/CD/JPEG IMAGING OPERATION TO START PLAYBACK .....141 VARIOUS PLAYBACK FUNCTIONS.....143 HOW TO USE THE TITLE MENU .....145 HOW TO USE THE DVD MENU .....146 PLAYBACK FROM THE DESIRED POSITION .....147 SWITCHING THE AUDIO LANGUAGE.....149 SWITCHING THE SUBTITLE LANGUAGE .....150 CHANGING THE ANGLE .....151 ENLARGING THE SCREEN.....152 SWITCHING THE AUDIO.....153 SHUFFLED PLAYBACK .....154...

## [Page 77: To Start Playback](#)

TO START PLAYBACK Adjust the volume and image Ü button (DIMMER/BLACK/DISPLAY/BEEP). Adjust the volume using the Ö button. Adjust the image as described in “How to adjust the image” (p.178 to 180). Power supply Ô button switch PLAY/PAUSE button Hint -...

## [Page 78: Various Playback Functions](#)

VARIOUS PLAYBACK FUNCTIONS SKIP TO NEXT/PREVIOUS CHAPTER OR TRACK DURING PLAYBACK PLAY/PAUSE button Press the skip buttons ( STOP button ( To skip to the next chapter/track: press r twice To skip to the previous chapter/track: press SKIP button \* Press r once to return to the beginning of the chapter/track being played back.

## [Page 79: How To Use The Title Menu](#)

HOW TO USE THE TITLE MENU HOW TO USE THE DVD MENU Depending on the DVD video, a title menu may be programmed in the stored A DVD menu may be programmed in the stored contents depending on the DVD contents.

## [Page 80: Playback From The Desired Position](#)

PLAYBACK FROM THE DESIRED POSITION The unit plays back from any title, chapter or time inputted. For a DVD video, you can Example Playing back from the 15th minute of the DVD by time input. playback from anywhere in the present title. For a CD, you can playback from Press the N button ( anywhere in the present disc.

## [Page 81: Switching The Audio Language](#)

SWITCHING THE AUDIO LANGUAGE SWITCHING THE SUBTITLE LANGUAGE DVD videos may have multiple audio languages programmed depending on the disc. DVD videos may have subtitles programmed depending on the disc. If so, you can If so, select the desired language as per the instructions below. select to show or hide the subtitles.

## [Page 82: Changing The Angle](#)

CHANGING THE ANGLE ENLARGING THE SCREEN Depending on the disc, the same scene appearing on DVD videos may have been You can enlarge the screen when playing back a DVD video. programmed in multiple angles (multi-angle recording). If so, you can switch to the desired angle available and enjoy the movie.

## [Page 83: Switching The Audio](#)

SWITCHING THE AUDIO SHUFFLED PLAYBACK You can select various types of audio. This function enables a CD to be played back shuffled or randomly until all the tracks have been played through. Then the unit stops. \* Inoperable from the unit. \* Inoperable from the unit.

## [Page 84: Playing Back Track Intros](#)

PLAYING BACK TRACK INTROS REPEAT PLAYBACK ■ For DVD videos The intro playback function enables the playback of the beginning of tracks one at a time for roughly 10 seconds. The functions REPEAT CHAPTER and REPEAT TITLE are available. \* Depending on the disc, repeat playback may not be permitted even if having selected a segment to repeat.

## [Page 85: Switching The Time Display](#)

SWITCHING THE TIME DISPLAY VIEWING JPEG IMAGES (1) You can select the type of time display to appear on the screen. Images downloaded from a digital camera or the Internet and recorded onto a CD-R\* with the help of a PC can be viewed on this unit. ■...

## [Page 86: Viewing Jpeg Images](#)

VIEWING JPEG IMAGES (2) ENLARGING/REDUCING THE IMAGE DISPLAY You can enlarge/reduce the image displayed on the screen. Use the Joystick (a) to select the JPG directory and press the Ä button. \* Inoperable from the unit. If there are other files, use the Joystick (a) to select the desired file to be viewed and press the Ä...

## [Page 87: Changing The Slideshow Display Format](#)

CHANGING THE SLIDESHOW DISPLAY FORMAT SELECTING PLAY MODE The slideshow image display method can be switched among 12 available You can select the image playback format. formats. Disc data screen (screen while playback is stopped) <Example> \* Inoperable from the



unit. File selection position π...

## [Page 88: Rotating The Image](#)

ROTATING THE IMAGE CHANGING THE INITIAL SETTINGS (1) Å /STOP button ( The displayed image can be rotated. ® button \* When performing this function, we recommend you switch the play mode to "SINGLE". JOYSTICK (a) JOYSTICK (a) Å button Å...

[Page 89](#) CHANGING THE INITIAL SETTINGS (2) SELECTING "LANGUAGE" IN STEP (P.164) In step , if having selected: "LANGUAGE", go to p.166. Use the Joystick (d) to select the setting item "AUDIO", go to p.168. desired for change and press the Joystick (g). "DISPLAY", go to p.170.

[Page 90](#) CHANGING THE INITIAL SETTINGS (3) Hint SELECTING "AUDIO" IN STEP (P.164) ;if having selected a language not programmed in the disc, playback will start with one of the languages programmed in the disc. ;Depending on the disc, only one language may be programmed. Use the Joystick (d) to select the setting item ;The AUDIO/SUBTITLE settings can be switched at the DVD menu desired for change and press the Joystick (g).

[Page 91](#) CHANGING THE INITIAL SETTINGS (4) ■ If selecting "AUDIO-OUT" in step SELECTING "DISPLAY" IN STEP (P.164) Use the Joystick (d) to select the setting desired for change and press the Å button. Press the Joystick (g). Change the settings according to the digital audio device presently connected.

## [Page 92: Changing The Initial Settings](#)

CHANGING THE INITIAL SETTINGS (5) Hint SELECTING "PARENTAL" IN STEP (P.164) ;if having selected an aspect ratio not programmed in the disc, the unit will playback using one of the aspect ratios programmed in the disc. Also, depending on the disc, there may be only one aspect ratio programmed. Use the Joystick (d) to select the setting to be Verify the instruction manual for the disc being played back.

## [Page 93: Terminology](#)

CHANGING THE INITIAL SETTINGS (6) TERMINOLOGY Title/chapter Aspect Ratio CHANGING THE LEVEL The content programmed in DVD videos This is the ratio of the screen's vertical To change the level, the display will show the VERIFY may be divided into large segments called and horizontal size.

[Page 95](#) OTHER CONNECTING A VIDEO DECK/VIDEO CAMERA.....177 HOW TO ADJUST THE IMAGE .....178 ABOUT THE AUTOMATIC BRIGHTNESS ADJUSTMENT FUNCTION ..181 ABOUT THE BRIGHTNESS OF THE BUTTONS.....181 MAIN SPECIFICATIONS .....182 RECEIVING SIGNALS FROM THE GPS SATELLITE .....183 CAUTIONARY ITEMS DURING ROUTE GUIDANCE.....185 ABOUT THE VOICE GUIDANCE .....189 ABOUT THE MAP DVD-ROM .....191 SETTING THE DEPARTURE/WAYPOINT/DESTINATION POINTS ....193...

## [Page 96: Connecting A Video Deck/Video Camera](#)

CONNECTING A VIDEO DECK/VIDEO CAMERA HOW TO ADJUST THE IMAGE (1) ■ When in NAVI mode: DIMMER / BLACK / BEEP Use the AUDIO and VIDEO RCA cords included with this unit to enable the playback of images from your video deck or video camera. ■...

[Page 97](#) HOW TO ADJUST THE IMAGE (2) COLOR (VIDEO mode) Adjust or select using the Joystick (s). Press g to darken. When selecting MANUAL for the Lightened Darkened DIMMER (AUTO/MANUAL) ADJUSTMENT Press f to lighten. dimmer setting, the H LEVEL/L LEVEL are not displayed. When the dimmer is TINT (VIDEO mode)

## [Page 98: About The Brightness Of The Buttons](#)

ABOUT THE AUTOMATIC BRIGHTNESS ADJUSTMENT FUNCTION MAIN SPECIFICATIONS This unit uses a brightness sensor to detect the level of luminosity in the MONITOR I/O TERMINAL surrounding area and automatically modifies the brightness of the screen in accordance with the surrounding luminosity. Expansion output terminal Type Liquid crystal color monitor...

## [Page 99: Receiving Signals From The Gps Satellite](#)

RECEIVING SIGNALS FROM THE GPS SATELLITE If the unit does not receive signals from the GPS satellite using the GPS exterior AREAS WHERE PRESENT LOCATION MEASUREMENT IS

IMPOSSIBLE antenna included with the unit, present location measurement will be impossible. To display the actual present location, connect the GPS exterior antenna to the unit. In the event of obstructions blocking GPS satellite signals from reaching the GPS and proceed with the reception of signals from the GPS satellite.

### [Page 100: Cautionary Items During Route Guidance](#)

CAUTIONARY ITEMS DURING ROUTE GUIDANCE (1) ■ The route displayed is the reference ■ Set the position accurately in areas ■ There may be instances when the route, where roads are in close proximity to following routes are displayed. This may not be the shortest route to each other.

[Page 101](#) CAUTIONARY ITEMS DURING ROUTE GUIDANCE (2) About vehicle mark display errors Hint The vehicle mark positioning may be inaccurate even after having started moving the The vehicle mark's present location and heading may be inaccurate under the following vehicle. driving conditions. The unit is not malfunctioning, keep on course and it will come back to normal.

### [Page 102: About The Voice Guidance](#)

ABOUT THE VOICE GUIDANCE The unit will guide you all the way to your destination by automatic voice outputs Cautionary items during voice guidance Hint ;The content of the voice announcing upcoming turns or intersections. (Voice guidance) ■ The voice guidance provided by this guidance may vary depending unit is merely a backup system.

### [Page 103: About The Map Dvd-Rom](#)

ABOUT THE MAP DVD-ROM The map DVD-ROM included with this unit is the North America MAP 1.0, DVD- ROM North America Version. 1. Refer to the instruction manual that comes with the disc for details pertaining to its maps (data content, display icons, etc.).

### [Page 104: Other](#)

SETTING THE DEPARTURE/WAYPOINT/DESTINATION POINTS POINTERS ON REGISTERING WAYPOINT AND DESTINATIONS SKILLFULLY CONSTRUCT A ROUTE USING WAYPOINTS Set waypoint and destination using the most detailed map. Not doing so may result Example: Waypoint in these locations being positioned differently than desired. When there is a location you want to Destination Restaurant...

### [Page 105: Connecting A Video Deck/Video Camera](#)

ABOUT UPGRADES q to r are commercially available. (See the numbers below and their corresponding q You can listen to the unit's audio using headphones. descriptions on the right.) w If using commercially available optic digital cables, you can hear the unit's audio (DVD mode only) using your existing digital audio device.

### [Page 106: Troubleshooting](#)

TROUBLESHOOTING (1) You may think the unit is damaged at the occurrence of the slightest operational error PAGE SYMPTOM CAUSE REMEDY or bad connection. Operation via Before requesting technical assistance, use the items below to check the unit. If Remote control infrared Orient the remote control infrared remote control is transmitter not facing unit...

[Page 107](#) TROUBLESHOOTING (2) Selection or setting of destination/waypoints or menu items impossible. Route search troubles PAGE PAGE SYMPTOM CAUSE REMEDY SYMPTOM CAUSE REMEDY Waypoints are not Waypoints already passed, or, If wanting to stop again at a Recommended No roads available near the Correct the destination point included when re-route is not...

[Page 108](#) TROUBLESHOOTING (3) DVD/CD/JPEG PAGE SYMPTOM CAUSE REMEDY PAGE SYMPTOM CAUSE REMEDY Audio and video Playback is proceeding where Exposing the unit to vibrations disturbance. vibrations are emitted. may cause the sound to skip or Unit does not No disc inserted or it is inserted Reinsert correctly with the printed disturbance in the image.

### [Page 109: When This Message Appears](#)

TROUBLESHOOTING (4) WHEN THIS MESSAGE APPEARS... The following messages appear during operation to give you hints about how to use PAGE SYMPTOM CAUSE REMEDY the unit properly. Playback enabled Parental control function not Parental control impossible. PAGE even

after having programmed in the DVD being -...

### [Page 110: Navigation System Default Settings List](#)

NAVIGATION SYSTEM DEFAULT SETTINGS LIST Each default setting for the navigation system are as follows: NAVIGATION Main Display North UP = OFF System Setting Display Road Name = ON Heading Up = ON Display Saved Location = ON 3D View = ON Display Lat., Long.