

USER'S MANUAL

VXA-3000

PIENIO

User's Manual

- **Navigation function**
- **Audio player function**
- **Game function**
- **Aux function**



VXA-3000

Please write the manufacturing date down here, which is needed for registration at our web site. (You can find the manufacturing date at the rear side of the product.)

- ★ Ensure to read the 'Safety Precautions' carefully before using this product.
- ★ Product warranty is included in this User's Manual.



Thank you for purchasing our product.

VXA-3000 User's Manual is designed to support convenient usage of the navigation system and safe driving. Please read the manual carefully before using the product for safe usage.

The content of this manual can vary according to the navigation system version, and function or performance of the navigation system and this manual are subject to change without the prior notice for user's convenience.

Make sure to read this manual for safe driving.

Please comply with the following instruction to prevent the property loss of the driver and user.





- | | |
|--|---|
|  Warning | Do not set or search the position while you're driving. Make sure to park a car at a safe place before operating this device. |
|  Warning | It is very dangerous to operate the navigation system or look at the screen while you're driving. Be careful of surrounding traffic condition or pedestrian if you have to operate the system while you're driving. |
|  Warning | Voice guide and map route can be different from the actual road condition. Ensure to comply with the actual road signal system and traffic regulation for safe driving. |
|  Caution | This product contains the safe driving information for driver's safe driving. However, this information can be different from the actual traffic condition. Drive safely according to the actual road condition. |

Table of Contents

Basic Operation	3	Upgrading VXA-3000	62
About VXA-3000	3	How to register the member	62
1. Directions before using this product	3	Downloading Navi or OS	62
2. Components	6	What is V-Up Pro 3000	62
3. Description on product appearance	7	Specification	63
4. Installing product	9	A/S and Product Enquiry	64
Using VXA-3000	11	A/S and Product Enquiry	64
1. Basic functions of VXA-3000	11	Customer Service Center	64
2. Learning basic remote controller functions	12		
3. Main menu	14		
4. Quick Start	14		
5. Detailed Description	19		
6. Setup Assistantn	43		
7. Frequently asked questions	45		
8. Audio player	46		
9. Video Player	49		
10. Image Viewer	52		
11. Game	54		
12. Aux	55		
13. Setup	58		














Navigation

About VXA-3000

1. Directions before using this product













Read this "User's Manual" without fail before using this product to use this product safely.

1-1. Usage directions

 Warning	Refrain from operating the product. Please park a car at a safe place when operating the product, because there is danger of a traffic accident.
 Warning	Voice guide and map route can be different from the actual road condition. Ensure to comply with the actual road signal system and traffic regulation for safe driving.
 Warning	If you modify the car to install this system, safe driving can be endangered.
 Warning	PLENIO will not be liable for any damages arising out of any use of the software. The user will bear the sole responsibility.
 Warning	You have to take care, because applied windshield suction cup mount(suction cup) is able to remove from the front windshield by vibration, sudden temperature changes, unexpected sock and etc. If suction cup is removed suddenly by unexpected reason, navigator is able to break and your car is damaged by navigator.
 Caution	Do not use this product for a long time after stopping the engine. The car battery can be discharged completely.
 Caution	Do not use other cables than provided. Turn off the power when connecting the external cable like A/V input, stereo output, and indoor TV antenna. If you connect the cable while the power is on, the product can be damaged.
 Caution	Do not disassemble or apply shock to this product.
 Caution	Touch the touch panel with a round edge object or fingertip softly. If you press the touch screen strongly with a sharp and hard object, it can damage the product.
 Caution	Turn off the power and use the clean and dry cloth when cleaning the screen. Keep the screen away from water or chemical substance like detergent or solvent.
 Caution	While Audio player, Video player or Navigation is operating, if you remove the SD Card memory, system will be get into unstable situation. Please don't remove SD Card memory during playback. If system is unstable because SD Card memory is removed, turn off the system and rebooting.



1-2. Installation directions

 Warning	Connect the wires properly by referring to "Installing product" section. Otherwise, malfunction or accident may occur.
 Warning	Do not install the product in a position where driving can be interfered or driver's field of vision can be blocked.
 Warning	Install the product in a position that does not interfere driving or safety devices like an air bag at the time of product installation and wiring.
 Caution	Use the connection cable for vehicle only that was provided at the time of product purchase to ensure stable system operation.
 Caution	This product must be used with 12V car power only. Do not use 24V power.
 Caution	Do not install the product in a place with much water, humidity, vapor, dust, oil, or smoke.
 Caution	Some functions of this system are disabled for driver's safety when the car is in motion. Remove the test jack installed in the safety terminal and ensure to connect the hand brake cable to the car hand brake. If this cable is not connected, only "audio" of the TV and Aux will be supported.
 Caution	Connect the Aux cable such as line out or A/V in after turning the power off. If the power is on while connecting the cable, the product can be damaged.
 Caution	If you don't use the product for a long time after purchasing this product, car position sensing time can be prolonged, since the GPS antenna backup battery can be discharged. In this case, charge the batter for 2 ~3 hours while using the navigation system.
 Caution	Do not put the object that interferes with GPS signal reception around the GPS receiver. Radio interference may occur.
 Caution	Do not install the electronic product that generates heavy electromagnetic waves like a radio transmitter around the GPS antenna as much as possible.
 Caution	GPS reception can be blocked if the car front side glass is specially coated.



About VXA-3000

1-3. Upgrade directions

- ▶ Depending on the SD Card memory product, the SD Card memory sensing time may vary or sensing may fail.

1-4. Troubleshooting

1) Touching does not work

If you cannot set touching in the Setup menu due to wrong touch setting, use the remote controller instead.

- ▶ Press the [Initial Screen] button on the remote controller to open the main menu screen.
- ▶ Press the [F2] → [F3] → [F2] → [Full Screen] button sequentially to open the Touch Setting screen
- ▶ Press the 5 cross marks using the test jack or touch adjustment rod, according to the instructions displayed on the screen.
- ▶ Press the screen once to close the Touch Setting screen.

Caution Park the car in a safe place for touch setting.

2) The LED turns on or flashes in red resulting in the VXA-3000 self-diagnostic

Addition to the VXA-3000 problem, when the temperature inside the car is too high or low, the red LED flashes. In this case, follow the steps below.

- ▶ Turn the product power off and ventilate the car to get normal temperature.
- ▶ Turn the power on after a little while and observe the LED color.
- ▶ If the red LED still flashes in normal temperature, ask for the service at A/S center.

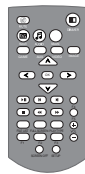
Navigation

About VXA-3000

2. Components



VXA-3000 body



Remote controller



SD Card memory



Aux cable
(AV In terminal)



Test jack



Cigar jack cable



Stereo output cable



SD Card memory reader



Red : + - : Blue
Hand brake connection cable



Car holder

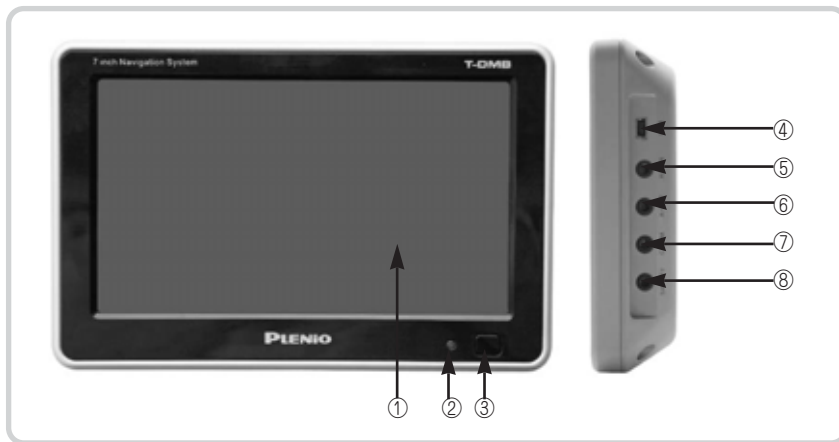


User's manual



3. Description on product appearance

3-1. Front/Right side

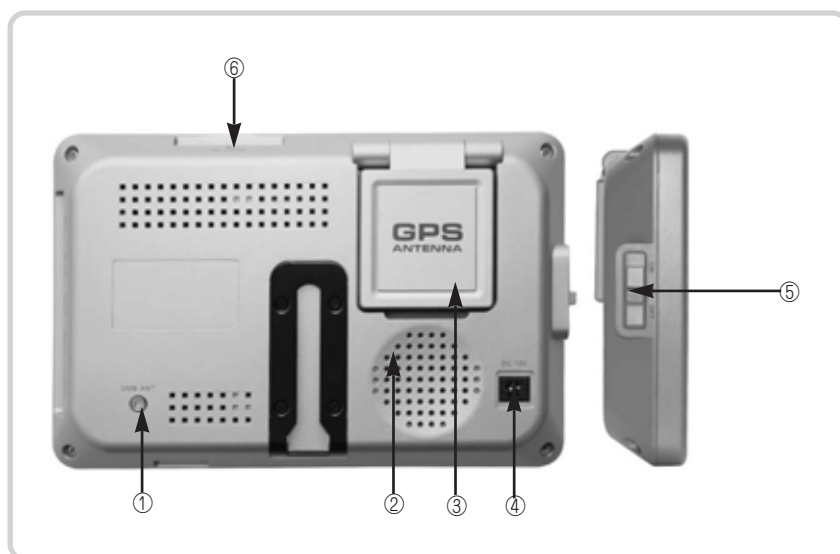


- ① TOUCH SCREEN : Handles user touch input.
- ② LED : Displays the product status.
(Blue: Normal operation, Red: Malfunction)
- ③ REMOTE CONTROLLER BEAM RECEIVING UNIT : Receives the remote control signal.
- ④ AUDIO OUT : Output the audio signal to the external device.
- ⑤ AUDIO/VIDEO IN : Receives the A/V input from the external device like a DVD player.
- ⑥ COMM : Connects to the car DVD player (optional). Controls the DVD player using the touch screen. (Compatible model: VXM-2000 family, VXD-2100)
- ⑦ USB : Connect to USB memory
- ⑧ SAFETY : Connects to the car hand brake after removing the test jack, which is installed in advance for safety.

Navigation

About VXA-3000

3-2. Rear/Left side



- ① DMB ANT
- ② SPEAKER : Outputs 1 watt audio.
- ③ GPS ANT
- ④ DC 12V : Connects to the provided cigar jack.
- ⑤ POWER SWITCH : Turns the power on/off.
- ⑥ SD Card memory slot

4. Installing product

- 1) Fix the holder on the car dashboard where the driver feels comfortable.



Caution Remove the foreign object from the holder fixing place so that the holder can be attached firmly. Then, fix it with screws to prevent falling down due to shock.
Do not install the holder at the position that hampers driver's vision or driving. Be careful not to interfere driving or the safety device like an air bag.

GPS sensitivity will increase if you use the GPS pedestal. Use the GPS pedestal in any case.

- 2) Adjust the position to fit into the driver's field of vision after fixing the product on the pedestal.



Navigation

About VXA-3000

- 3) Connect the power cable to DC 12V terminal located at the left side of the product and car cigar jack.



Caution Use the car cigar jack that is included in the product package. If you use other cigar jack, the product may not work properly.

- 4) Remove the test jack from the Safety terminal and then, connect the cable to the hand brake.



Caution Make sure connect the cable to the car hand brake to prevent operation while in motion. If the hand brake connection cable is not connected, only "audio" external input will be supported.

- 5) Press the power switch ON that is located at the left side of the product.





1. Basic functions of VXA-3000

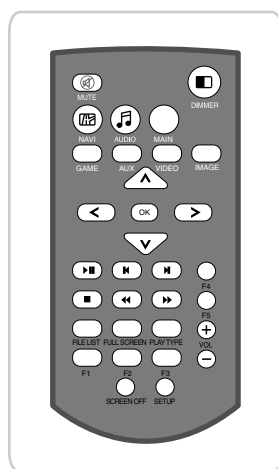
- 1) Navigation function : Helps car navigation using GPS (Global Positioning System) engine and antenna, and electronic precision map.
- 2) Audio player function : Plays back MP3, WMA, WAV and OGG music files.
- 3) Video Player function : Plays back video files.
- 4) Image Viewer : GIF, JPEG and BITMAP image files.
- 5) Game function : Provides enjoyable games.
- 6) Aux function : Connects the DVD player manufactured by this company. When connected to other manufacturer' s product, Aux function can be used.
- 7) Setup setting function : Various functions can be configured such as slide show, main theme, touch setting, volume control, Dimmer control, OS upgrade, A/V input, and FM transmitter.

Navigation

Using VXA-3000

2. Learning basic remote controller functions

You can use frequently used function using the remote controller, as well as the touch screen for more convenient usage of VXA-3000.












- ▶ : Controls screen brightness by 5 steps.
 - ▶ : Mutes the sound temporarily.
 - ▶ : Directly switches to the Navigation function.
 - ▶ : Directly switches to the audio player function.
 - ▶ : Directly switches to the initial screen.
 - ▶ : Directly switches to the Aux function.
 - ▶ : Directly switches to the Video player function.
 - ▶ : Directly switches to the image function.
 - ▶ : Display the file list of Video/Audio player and Image viewer.
 - ▶ : Enlarge the Image or Video screen size to full LCD size, during Video player and Image viewer function is operating.
-
- ▶ : See additional function.
 - ▶ : See additional function.
 - ▶ : Reserved.
 - ▶ : Reserved.
 - ▶ : Reserved.
 - ▶ : Turns on/off the LCD screen. Voice guide and audio play back will continue even the LCD screen is turned off.
 - ▶ : Directly switches to the Setup function.
 - ▶ : Moves the cursor upward.
 - ▶ : Moves the cursor downward.
 - ▶ : Moves the cursor left.
 - ▶ : Moves the cursor right.







Navigation

Using VXA-3000








- ▶  : Selects the cursor that was moved by the direction key.
- ▶  : Play back/Pause Audio or Video playback and show selected image in Image viewer mode.
- ▶  : Moves audio or DVD playback section backward in Audio player/Aux mode. In Image viewer mode, shows previous image.
- ▶  : Moves audio or DVD playback section forward in Audio player/Aux mode. In Image viewer mode, shows next image.
- ▶  : Stop Audio , Video or DVD playback.
- ▶  : Moves Audio or DVD playback section backward fast in the Audio player/Aux mode.
- ▶  : Moves Audio or DVD playback section forward fast in the Audio player/Aux mode.
- ▶  : Sets volume up or down.
- ▶  : Sets Repeat All/Repeat Start when playing back DVD, or Repeat All/Repeat Selected/Random Selection when playing back MP3.

[Additional Remote controller function : Under button is redefined when File list function is enabled in the Video player, Audio player or Image viewer mode.]





◆ Basic screen at the Image viewer

- ▶  : Zoom in function.
- ▶  : Rotate to left.
- ▶  : Zoom out function.
- ▶  : Rotate to right.

◆ During file list is enabled

- ▶  : Moves cursor up.
- ▶  : Close file list.
- ▶  : Moves cursor down.
- ▶  : Enable the folder tap when file tap is enabled.
- ▶  : Enable the file tap, when folder tap is enabled. And playbacks/shows selected file when file tap is enabled.
- ▶  : Moves page of file list up.
- ▶  : Moves page of file list down.

◆ Full screen at the Image viewer

- ▶  : Moves center of image up.
- ▶  : Moves center of image left.
- ▶  : Moves center of image down.
- ▶  : Moves center of image right.

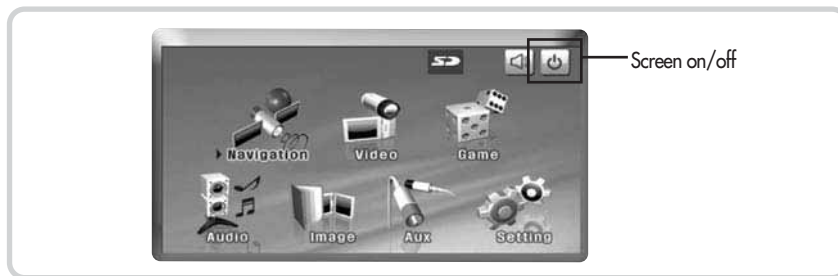
Caution Navigation and game functions are disabled when using the remote controller.

- 1) Navigation 2) game

Navigation

Using VXA-3000

3. Main menu



The main menu is composed of Navigation, Audio Player, Video Player, Image Viewer, Game, AUX, Setting, Screen On/Off button and etc.

4. Quick Start

This section will walk you through using your navigation unit for the first time, acquainting you with the basic operation of the navigation system. The functions and buttons not mentioned will be described in 5. DETAILED DESCRIPTION on page 19.

Switch the unit on and tap on NAVI or NAVIGATION in the start screen.

After the application loads, a screen with safety precautions will be shown. Please read them carefully. Afterwards, you can choose to hide these notes for future startups.

The main menu (Home) will appear:

Navigation

Using VXA-3000



- Select Navigate to set your destination.

A menu will open where you can choose a destination:



You have various ways to select your destination. The following page describes how to navigate to a specific address.

Navigation

Using VXA-3000

4-1. Navigate to An address

If you have the city and street address for your destination, simply enter it and the application will guide you directly there.

- Tap the Address icon.

The address search screen with the keypad will now appear in the display:



- Switch between letter and number mode by pressing 123 or ABC. Switch between upper case and lower case by pressing ^.
- If at any point you want to Backspace and delete characters, press the backspace button <- on screen. To add a space, press the space bar |_|_|.
- Tap on the City or P.C. field and enter your destination by tapping on the letters in the keypad (at least three characters). Instead of the city you may also enter the postal code. Confirm the City/postal code you have entered by pressing Search. On the following screen, choose the appropriate city from the list by tapping on it. This will move you to the street search screen.



- On the street search screen you may enter the street name (at least three characters) and then press Next to go on.
- Next, you may enter the number. Confirm and move to a list of matching address by pressing the Search button.

NOTE If you have an imprecise address, such as "Times Square, New York" , you can enter that as well, the only requirement is to enter some letters of the city name to begin your search. You can also enter a unique 7-digit postal code. In that case, you do not need to enter a street name.

After a few seconds you will be presented with a hit list of locations that match the address entered.

- Select the required address from the hit list by tapping on it.

Once the system receives a GPS signal the guidance will commence automatically. The navigation map will be shown, displaying all directions needed. Additionally, you will be guided by clear voice commands.

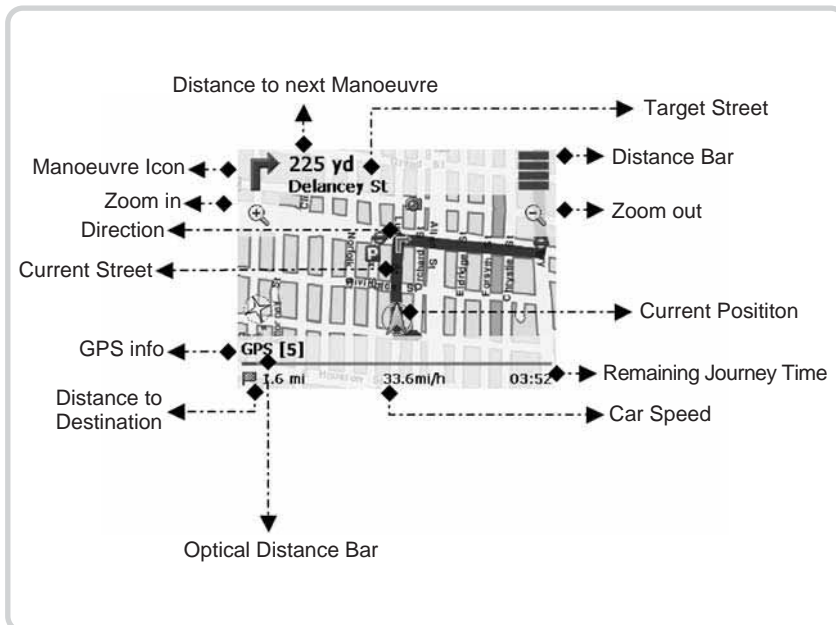
You can set further options for navigation by tapping on the screen. A menu with rich guidance options will be shown (see RICH GUIDANCE OPTIONS on page 21).



Using VXA-3000

4-2. Navigation Screen

On the navigation map, the route will be shown in blue. The red arrow will indicate the direction of your next manoeuvre. A silver arrow will identify your current position. When you come up to a turn or other manoeuvre, you will hear a voice command at the appropriate time.





5. Detailed Description

5-1. Settings

- Switch the unit on and tap on NAVI or NAVIGATION in the start screen.

After a short period of time the main menu (Home) will appear.

- Choose Settings



- Choose Language to select the language of your navigation system.
- If you have map data for different regions/cities on your memory card, tap on the name of the current region (e. g. London). All available maps on the memory card will be listed, and you can choose by simply tapping on the desired region.
- Switch between distance units (miles/kilometres) by tapping on the corresponding icon.
- Choose Guidance to change the guidance options.

Navigation

Using VXA-3000

The window with the guidance options will be displayed:

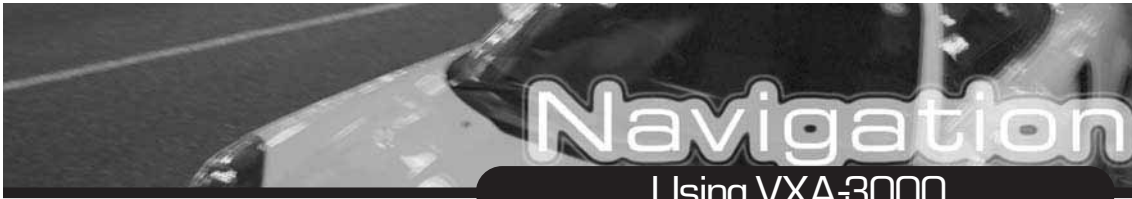


You can choose among the following options: Mode of transportation (fast car, slow car, pedestrian, etc.), fastest or shortest route, allow or avoid toll roads, motorways, and ferries.

- To switch between the modes just touch the icons. These will toggle so you can quickly see the activated settings.
- With Back you go back to the main menu.

Set/change Home/Work position

You can define a home and work address (My Home and My Work) for faster access. By tapping on the My Home icon in the main menu, you are instantly routed home. If no home address has been set, you are prompted to do so. For more information about home and work address, see Favorites on page 26.



5-2. Rich Guidance Options

- Touch the screen during guidance to open the navigation options. Here you can change all kind of settings, like adjusting volume, choosing night or day mode, saving your GPS position as bookmark, record your route (optional feature), look for latest traffic information (optional feature), choose an alternative route, change your destination to a Point of Interest (e. g. from a Guide), etc.

NOTE | Guidance, including voice commands, will continue even as you are in the options screen.

Settings:

You may toggle between 2D and 3D modes, choose which kind of items to show on the map (Info Layers, see page 37), switch between night and day mode and adjust the volume of voice commands (or even mute them).

Guidance:

Here you can adjust the different guidance options, as seen in SETTINGS on page 19.

Alt. route:

With this option, you can choose to block the calculated route for a given distance (e. g. 0.5 kms) and force an alternative route. Simply tap on the icon which shows the desired distance. Your route will be recalculated, and the previous route will be discarded for the given distance.

Save:

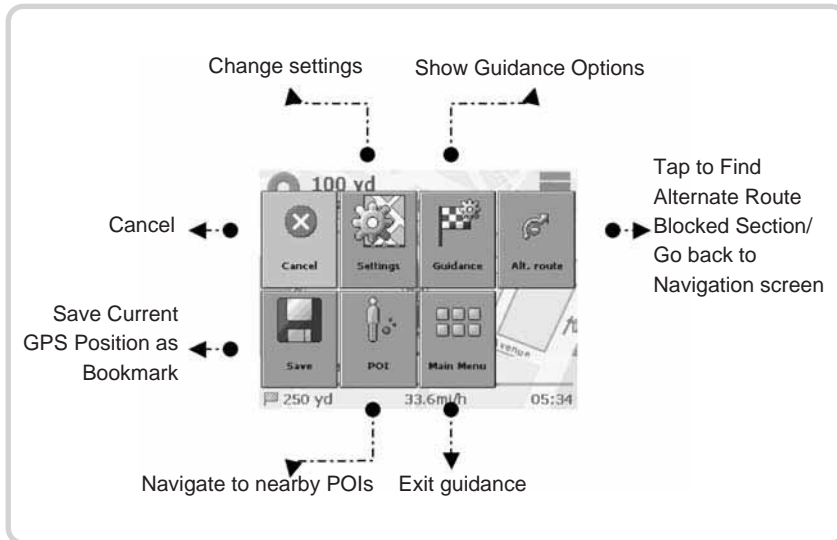
You can save your actual position as a bookmark.

POI:

You can redirect your route by choosing a point of interest (POI), like a petrol station.

Navigation

Using VXA-3000





5-3. Main Menu Contents

The interface of the main menu is coherent throughout the whole navigation system. Via the main menu you may access all functions.

- Start the navigation system by pressing NAVI or NAVIGATION in the start screen.

After a short period of time the main menu will appear:



My Home:

If you want to start your route guidance straight away to your home address, press My Home. If no home address has been set, you are prompted to do so.

Navigate:

To choose another destination, select Navigate. You may then select your destination point by tapping on your home or work position, by looking for an address, by selecting a personal bookmark, recent destination, point of interest (e.g. through a Guide) or by consulting a map (see HOW DO I CHOOSE MY DESTINATION? on page 28)

Plan Route:

By selecting Plan Route you switch to the advanced route planning options. There you may plan your route by choosing multiple stopovers (see HOW CAN I PLAN MY ROUTE? on page 34.

**Settings:**

Via Settings you may determine following options:

Guidance:

Mode of transportation (fast car, slow car, pedestrian, etc.), fastest or shortest route, allow or avoid toll roads, motorways, and ferries.

Language:

Here you may select other languages by tapping on them.

Other Maps:

If you have map data for different regions/cities on your memory card, tap on the name of the current region (e. g. London). All available maps on the memory card will be listed and you can choose one by simply tapping on the desired region..

Track:

Press Track to show your current GPS position.

Map:

You may also explore a town/city or its surroundings on a Map (General Map) and select places or points of interest by tapping on the map. You may also use these for navigation and for planning your route.

Navigation

Using VXA-3000

POI:



With the POI finder you can quickly find points of interest like petrol stations and restaurants that are chosen from a database of millions of POI, either nearby or at a remote location. With the Nearby option you will be presented a list of POIs near your current location. With At location you can look for POIs at a remote location, therefore you need to enter a city or postal code through the keypad.

Within the POI finder you will see the Guides, an optional and highly recommendable feature. Branded travel/city guides will help you to find out what is nearby and will give you valuable information about attractions, restaurants, hotels, etc. with detailed descriptions. You may then use these for navigating or save the location as a bookmark. The (city) guides may be purchased optionally.

**Guides are an optional feature and may be purchased at:
ENTER URL HERE!**

Navigation

Using VXA-3000

- In the POI finder, press on Guide and the guide list for the current region you are in will be opened.

You may choose a guide item as destination, save it as bookmark or pinpoint the location. (See also HOW DO I USE GUIDES? on page 25.)



Favorites

Through Favorites you can access to, edit and delete your home and work positions, as well as your bookmarks.



- Via Main Menu → Favorites → My Home you can show your home position. The home position will be shown on a map. Click on that map or on Menu to Change or Delete your home address.

NOTE Access and edit your work address (My Home) accordingly.



- Via Main Menu → Favorites → Bookmarks you can show your bookmarks. Click on a bookmark to rename or delete it or to be routed directly to that location.

GPS:

At the bottom of the screen, your GPS status will be displayed all the time, showing the current street you are on and the number of satellites the GPS system is currently tracking.

Exit:

With Exit you quit the navigation system.

NOTE

All information like Settings, Bookmarks and also the Recent items will be stored on the memory card and not on the device.

Navigation

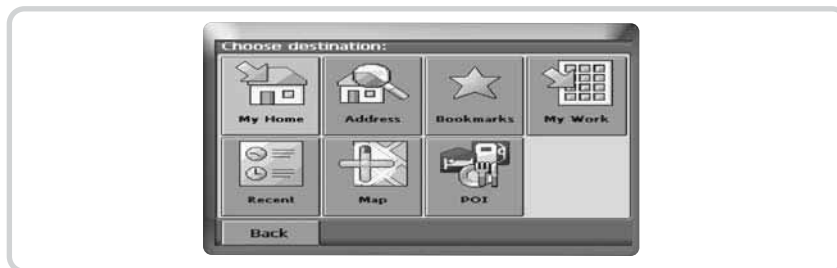
Using VXA-3000

5-4. How do i choose my Destination?

You may choose your destination using your home address, the Address search, bookmarks, your work address, recently searched destinations, the map or looking for points of interest (e.g. through Guides).

- Press Navigate in the main menu.

The Choose destination menu opens:



NOTE

Please remember that the ways of setting a destination described in this section originate from the Choose destination menu. There are alternative ways of setting a destination, as described in MAIN MENU CONTENTS on page 23.

- Press My Home to be guided home directly without any further input. The route guidance system will start automatically.

NOTE

If no home address has been set, you are prompted to do so. If you want to change an existing home address, see Favorites on page 26.

- Via Back you may always step one level back throughout the whole application.

Alternatively you may use the other destination setting possibilities (see following pages):

Navigation

Using VXA-3000

Address search

Through the Address search you can perform a search by entering information about the desired target (street and town/city). You may then select a hit from the hit list and start navigating. You can also search for addresses if you want to plan a route with several stopovers. Alternatively, you may wish to pinpoint a specific location.

- To start this function, click on the Address icon.

The Address search with the keyboard will now appear in the display:



- you to the street search screen.

NOTE You can also enter a unique 7-digit postal code. In that case, you do not need to enter a street name.

- On this screen you may enter the street name (at least three characters) and then press Switch between letter and number mode by pressing 123 or ABC. Switch between upper case and lower case by pressing ^.
- If at any point you want to Backspace and delete characters, press the backspace button <- on screen. To add a space, press the space bar |_ |.



- Tap on the City or P.C. field and enter your destination by tapping on the letters in the keypad (at least three characters). Instead of the city you may also enter the postal code. Confirm the city/postal code you have entered by pressing Search. On the following screen, choose the appropriate city from the list by tapping on it. This will move you to the street search screen.

NOTE

You can also enter a unique 7-digit postal code. In that case, you do not need to enter a street name.

- On this screen you may enter the street name (at least three characters) and then press Next to go on.
- Next, you may enter the number. Confirm and move to a list of matching address by pressing the Search button.
- The hit list will be displayed.
- Select the desired address from the hit list.

Navigation will start automatically after selection. Clear visual and voice commands will guide you along the route. (You can find a description of the navigation screen in NAVIGATION SCREEN on page 18.)

Navigation

Using VXA-3000

Bookmarks

The bookmarks list contains the destinations you have saved as favorites (from the Guides, from your Address search, etc.). There is no need to perform repeated searches for those destinations.

- Press the Bookmarks icon.



- Use the Up and Down arrows to scroll up and down in the list. Select an item by clicking on it. Navigation will start immediately, assuming there is a GPS signal.
- If you want to rename or delete a bookmark, please see Favorites on page 26.



My Work

- By pressing My Work you will be guided directly to your workplace (or another frequently visited location of your choice).

NOTE

If no work address has been set, you are prompted to do so. If you want to change an existing home address, see Favorites on page 26.

Recent

- By pressing Recent a list with the recently visited and searched destinations will be opened.



Map

Via Map you can move on the map of the surrounding area and select items for guidance. (See also HOW DO I SELECT ADDRESSES ON THE MAP? on page 36.)

Navigation

Using VXA-3000

POI

You may also select a destination via the POI (points of interest) finder. Here you may choose POIs that are either nearby or at a remote location. You may also browse a Guide.



Navigation

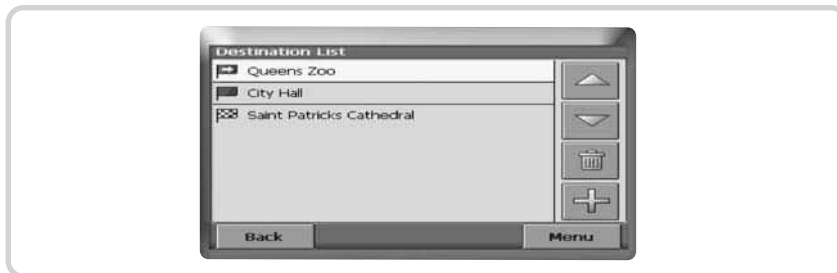
Using VXA-3000

5-5. How can i plan my route?

Using the route planning functions you may plan your route with multiple stopovers along your journey.

- To start this function select Plan Route in the main menu.

The Destination List will be displayed:



- By pressing the + icon you can add a stopover.

You will switch to the Choose stopover screen, which looks the same as the Choose destination screen and is exactly the same to use. You may choose stopovers like your home or work addresses, a bookmark, a point of interest, a recent location or by searching for an address or pinpointing a destination on the map.





Once you have added stopovers (with the + Icon) and returned to the Destination List, you have several options:

- With the + icon you can add more stopovers.
- Select a stopover and then use the Up and Down arrows to change the order of the stopovers.
- With the Trashcan icon you can delete a selected stopover.
- Via Menu you may start following functions:
- With Simulate you can simulate the route to come.
- By pressing Start Navi the guidance will start automatically and the display will switch to the navigation map.
- With Routing the system will calculate your route and the Route Summary will be displayed. Tap on one of the items in the Route Summary to display the Waylist. Tap again to show the Map View.

Navigation

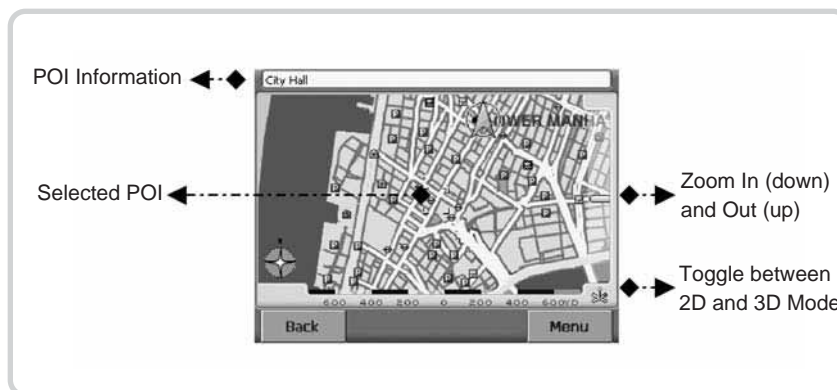
Using VXA-3000

5-6. How do i select addresses on the map?

The Map (General Map) not only shows roads and squares, but also points of interest such as restaurants, cultural attractions, parking garages, etc.

- To start this function press the Map icon in the main menu.

The general map will now appear in the display:



Functions of buttons

- Discover your surroundings by dragging the map with your finger (or with the pen).

NOTE Alternatively you may also use the joystick on the device!

- Point at the symbol of a location to display its name.
- Use the Scroll Bar on the right to zoom in (down) or out (up) on the Map.
- Use the symbol in the bottom right-hand corner to toggle between 2D and 3D view.

Navigation

Using VXA-3000

- With the Compass icon (in the bottom left hand corner) you may adjust you orientation.
- By pressing Menu, you can access to further options, like saving the actual location as a bookmark, moving to the actual GPS position, navigating to the selected location, searching an address, and accessing to a bookmark or point of interest.

Info Layers

You can define the complexity of the map by choosing the elements (locations) that will be shown in it.

- Via the main menu → Map → Menu → Settings → Info Layers you can select which locations will be displayed on the Map:



Check the boxes of any category you want to have displayed on the map. Uncheck those that should be hidden.

- By pressing All you will select all POIs. If you do not want any POIs to be displayed on the map select None.
- Press Back to return to the map.



5-7. Optional Features

The following features are optionally available for your navigation system:

- City Guides
- Route Recording
- Traffic Information System (TMC)
- Speed Camera Alert

HOW DO I USE GUIDES?

**Guides are an optional feature and may be purchased at:
ENTER URL HERE**

City Guides, available at ENTER URL HERE, contain lots of valuable information to enhance your experience, such as descriptions, contact information, prices, opening times, etc.

- Select POI in the Main Menu, then Guide.

Navigation

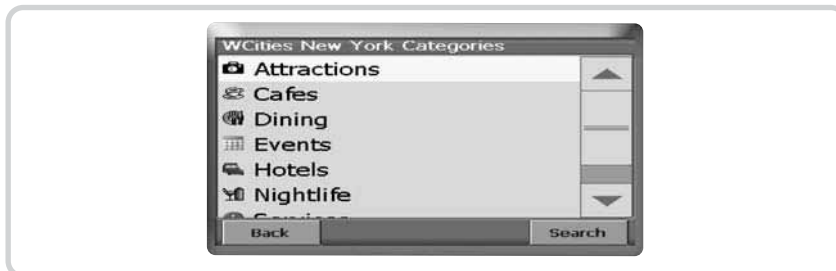
Using VXA-3000

The guide list will appear:



- Select the guide you wish to use by clicking on it.

The Categories tab of the chosen guide will be displayed:



You can now browse the guide by categories or search the guide.

Navigation

Using VXA-3000

Browse by categories:

- Under Categories you may select from the different categories of the Guide (e.g. restaurants, hotels, bars, museums etc.).
- Use the Up and Down arrows to scroll in the list.

Some Guides also offer subcategories.

- By clicking on a category or subcategory the system will search for relevant items.

The hit list will display the search results, ordered by distance. You may select a found item directly for guidance.

Search the guide:

Alternatively you may search in the guide for entries by using the search function.

- Select a guide and press Search.

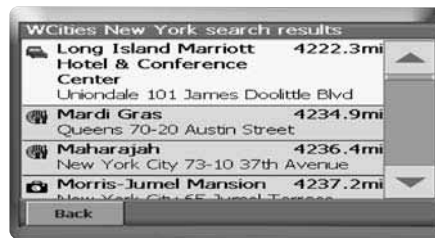


Navigation

Using VXA-3000

- Enter a search term (at least three characters) and confirm with Search.

The hit list will be displayed:



- Select an entry by tapping on it.
- Get detailed information about the selected location via Detail.
- Explore the location's surroundings via Map.
- You may use this item for the guidance by pressing Navi.
- Via Save you may save the item as a bookmark.



5-8. How do i use the speed camera alert?

If the Speed Camera function has been activated (via Main Menu → Settings → Guidance → Speed Cam Warnings On), Speed cameras can be displayed during navigation mode or tracking mode.

In the event that Speed cameras are located on your journey a warning will be received. For each camera you will receive two alerts. Each alert consists of an audible beep and a message displayed on screen telling you the camera type and distance from it.

NOTE

The speed camera warning will also work in Tracking Mode, i.e. if the speed camera function is activated and user selects 'Track' on the start screen. The navigator can be used for speed camera alerts in this mode without activating the navigation mode and setting a destination.



6. Setup Assistant

With the Setup Assistant you can choose and save your map and guide data on a memory card for use with a supported handheld device. The Setup Assistant installs those data on the memory card, together with the program files of your navigation software and the voice files for guidance.

- Place the supplied CD or DVD in the CD/DVD slot of your computer.
- The Setup Assistant will pop up automatically. Select the language of the installation program, and press OK.
- You will see the welcome page. Press Next.
- Please read the End-User License Agreement and accept it by clicking I Agree. If you do not accept the terms of the End-User License Agreement, click Cancel to exit the Setup Assistant.
- Please choose the regions whose map and guide data you want to copy to your memory card. Choose also the voice files used for guidance, and click Next to install the files.

NOTE

On the left, the space required for the data on your memory card will be shown. Please make sure that there is enough space left on your memory card.



The following regions (states in brackets) are available:

Northeast: (ME, NH, VT, MA, RI, CT, NY, NJ, PA, WV, VA, DC, DE, MD)

Southeast: (NC, SC, TN, GA, AL, MS, FL, AR)

Upper Midwest: (MN, WI, IL, IN, OH, MI, KY)

Great Plains: (MT, WY, CO, ND, SD, NE, KS, IA, MO)

Southwest: (NM, TX, OK, AR, LA)

West: (CA, NV, OR, WA, ID, MT, UT, AR)

- You are prompted to insert your memory card into your card reader.
- If your system cannot determine the path to your memory card automatically, you are prompted to enter it manually.
- The selected data will be copied to your memory card. Please do not close the Setup Assistant nor remove your memory card until the data transfer process is completed and you are prompted to do so.

NOTE Please keep in mind that the Setup Assistant will override all map data contained on your memory card. Your preferences, including personal bookmarks, as well as your premium content (e. g. Guides) remain unaltered.



7. Frequently asked questions

I can't find an address.

Please make sure you have correctly spelled your entry. If you do not know how an address is spelled correctly, simply enter the parts of the address, you know for sure (e.g. "Lond", "Leic" for Leicester Square in London). Then browse in the result list and look for the address. Also make sure that the city in which you are looking for an address is correct. Sometimes the official postal address differs from the address you are looking for. In that case, search for an address nearby that you know of and browse on the map.

If you find the address on the map but you can not find it while searching for it, please let us know via [ENTER YOUR SUPPORT E-MAIL ADDRESS HERE](#).

There is a failure in the map / POIs are missing.

If you detect an error in the map data (e.g. a street is missing completely), we would like to inform our map data provider. Please let us know at [ENTER YOUR SUPPORT E-MAIL ADDRESS HERE](#).

I have problems to get a GPS fix.

If you have problems getting a satellite fix with the GPS (you can see how many satellites are being received on the main menu at the bottom left) please make sure, that you are outside and the GPS antenna has a good visibility to the open sky. Some models also do support an additional external active antenna. Please also consult with the hardware manual of your device to get further information of how to obtain a GPS fix.

Where can I get technical support?

Please contact the manufacturer or your retail store.

Where can I get software updates?

Please contact the manufacturer or your retail store for information about software updates.

Where can I get additional maps and guides?

Please visit the download shop of [YOUR COMPANY NAME](#) at [ENTER URL HERE](#).




8. Audio player

You can play back music by selecting Audio player in the main menu. Basic functions include Play, Pause, Stop, Select Next, and Select Previous. Playback function includes Repeat, Repeat Selected, and Random.

The supported music file formats are MP3, WMA, WAV, and OGG.

You can save music files in the SD Card memory. The Audio player manages the music file by the unit of a folder.

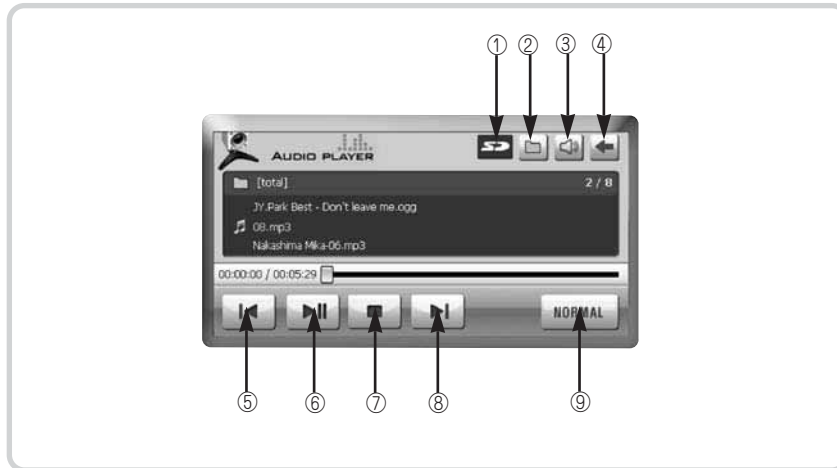
To play back music using the SD Card memory.

(If the  icon appears at the right upper side, the device detects the SD Card memory.)

1. If you save the music file in the root directory of the USB memory, it will be recognized as the 'Default album 1' .
2. If you create a 'Music' folder in the USB memory and save the music file in it, it will be recognized as the 'Default album 2' .
3. If you create a folder inside the 'Music' folder in the USB memory, this folder will be recognized as an album.

Caution If you create a sub-folder under the user-defined folder of the Music folder, it will not be recognized.

8-1. Basic screen



- ① Indicator of SD Card memory : If connected SD Card memory, this icon change to Blue color.
- ② File list : Show folders and files that Audio player can playback.
- ③ Volume control : Increase or decrease volume.
- ④ Exit : Close Audio player and back to Main menu.
- ⑤ Previous file playback : Playback previous music file.
- ⑥ Play/Pause : Playback and Pause music.
- ⑦ Stop : Stop the music playback.
- ⑧ Next file playback : Playback next music file.
- ⑨ Playback mode : You can select playback mode, "Normal" , "Random" and "One" .

Navigation

Using VXA-3000

8-2. File list screen



By touching folder tap(①), Audio player show folders which playable music files are in. At the folder list view, you can see the list of files by selecting File tap(②). You can listen to music file highlighted by cursor using Playback button(③). Touching Back button(④), you can return to basic screen of Audio player. You can select file to play by scroll bar(⑤). Position sign on the scroll bar represented by number means current cursor position/total file number.

8-3. Volume control



You can increase or decrease volume. By touching Mute button(①), you can mute audio sound.

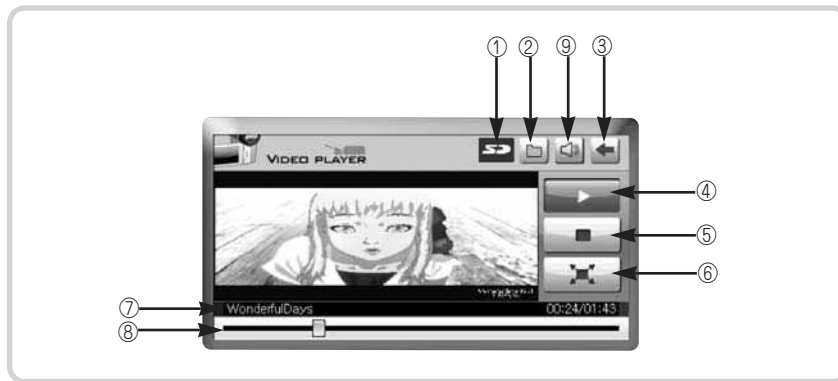
Caution While Audio player is operating, if you remove the SD Card memory, system will be get into unstable situation. Please don't remove SD Card memory during playback. If system is unstable because SD Card memory is removed, turn off the system and rebooting.



9. Video Player

You can play back movie by selecting Video Player in the main menu. Basic functions include Play, Pause and Stop. The supported movie file formats are "AVI, MPG, MPEG, WMV, MP4, ASF, TS". You can save video files in the SD Card memory. The Video player manages the movie file by the unit of folder.

9-1. Basic Screen



- ① SD Card indication icon : If SD Card memory is inserted, icon is changed to Blue color.
- ② File list : You can see playable movie files by selecting this button.
- ③ Exit/Back : Close movie player and return to main menu.
- ④ Play/Pause : Plays back the movie. While movie is playing, button keep the Blue color and if you retouch this button, movie will be paused.
- ⑤ Stop : Stops playback.
- ⑥ Full Screen : Plays back the movie as full screen.
- ⑦ File name/time : You can recognize the current file name and Elapsed time/Total time.
- ⑧ Progress status bar : You can recognize the progress status of play. This bar is used for seeking the specific scene of movie.
- ⑨ Volume control : Increase or decrease sound volume.

Navigation

Using VXA-3000

9-2. Full Screen



9-3. Volume Control Screen



9-3. Volume Control Screen



Movie player scan all playable movie files stored in the SD Card memory and show its result.

Navigation

Using VXA-3000



After select folder, if you touch File tap, you can see all playable movie files.

Caution While movie player is operating, if you remove the SD Card memory, system will be get into unstable situation. Please don't remove SD Card memory during playback. If system is unstable because SD Card memory is removed, turn off the system and rebooting.

Navigation

Using VXA-3000

10. Image Viewer

You can see image by selecting Image Viewer in the main menu. Basic functions include Previous view, Next view, Set image to original size, Fit image to viewer, Zoon in, Zoom out, Rotate left, Rotate right, Full screen, List of image files. The supported image file formats are "WAV, WMA, MP3 and OGG".

You can save image files in the SD Card memory. The Image viewer manages the image file.

10-1. Image Viewer main screen.



- ① View previous image.
- ② View next image.
- ③ Set image to original size.
- ④ Fit image to viewer : If you touch ④ button, you can fit image to viewer.
- ⑤ Zoom in : Zoom in steps (150% → 200% → 250% → 300%)
- ⑥ Zoom out : Zoom out steps (66% → 50% → 33% → 25%)
- ⑦ Rotate 90 degrees to left : Rotate 90° to left whenever touch rotate button. (90° → 180° → 270° → 360°)
- ⑧ Rotate 90 degrees to right : Rotate 90° to right whenever touch rotate button. (90° → 180° → 270° → 360°)
- ⑨ Full screen : If you touch the ⑨ area, you can see full screen image.
- ⑩ Display the list of image files.
- ⑪ Returns to the main menu.

10-2. Full Screen



You can see the full screen image by selecting Full screen button.

10-3. File list screen



You can see file list screen by touching the File list button. Touching the tap of folder(①), image viewer show all folders have supportable image files in SD Card memory. When Folder tap is enabled, you can see image files of selected folder by touching File tap(②). By touching the Image view button(③), you can see the highlighted image file by cursor. Selecting back button(④), you can back to basic screen of image viewer. You can select wanted file using scroll bar(⑤). Position sign on the scroll bar represented by number means current cursor position/total file number.

Caution For stable operation of system, image size is limited by 2048 X 2048. If you select image file over the limitation, Image viewer will show the warning message.

Navigation

Using VXA-3000

11. Game

Select the Game in the main menu.

How to play : If you put more than three same items vertically or horizontally, these items will disappear.

To get higher score, remove as many items as possible at a time.



Normal mode : The game will be over if nothing can be moved any more. (If you cannot put more than three same items in any direction.)

If the bar at the right side is filled, the next level will be started.



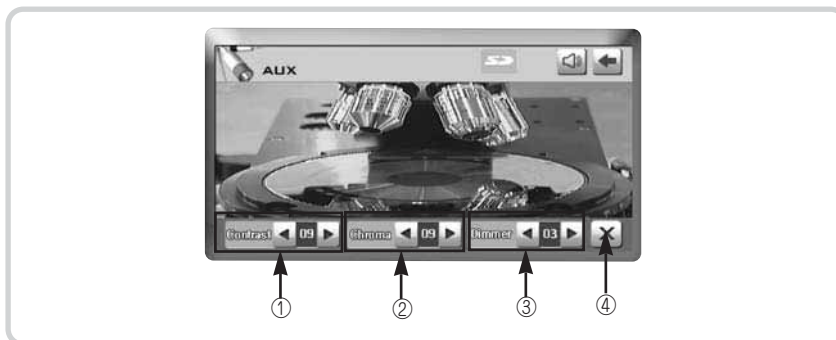
- Time trial mode : The game will be over if the time bar at the right side is filled. If the bar at the right side is filled, the next level will be started.
- '?' : This button gives you a hint by losing some scores. This button will be disabled if the score is not sufficient.
- New Game : Stops the current game and starts a new one.
- Quit : Exits the game.

Navigation

Using VXA-3000

12. Aux

You can use the simple line-in function if you set A/V input as 'Others' not VXM or VXD. Default value is 'Others'.



As shown by the above figure, only volume control and screen setting are supported in 'Others' mode. DVD player control is not supported.

- ① Contrast : Controls contrast within the range of 0 ~ 16 stages.
- ② Chroma : Controls chroma within the range of 0 ~ 16 stages.
- ③ Dimmer : Controls brightness within the range of 1 ~ 5 stages.
- ④ Hide UI : Hides the UI from the screen.

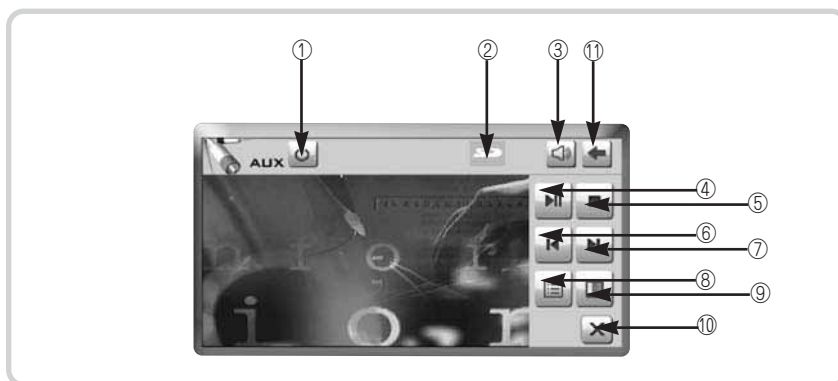
Option The following functions are available when connected to the DVD player manufactured by this company.

VXM-2000 and VXD-2100 are the model name.

Navigation

Using VXA-3000

If you select VXM or VXD as A/V input in setup menu, you can operation the DVD player manufactured by this company. You can also use the remote controller to use the following functions.

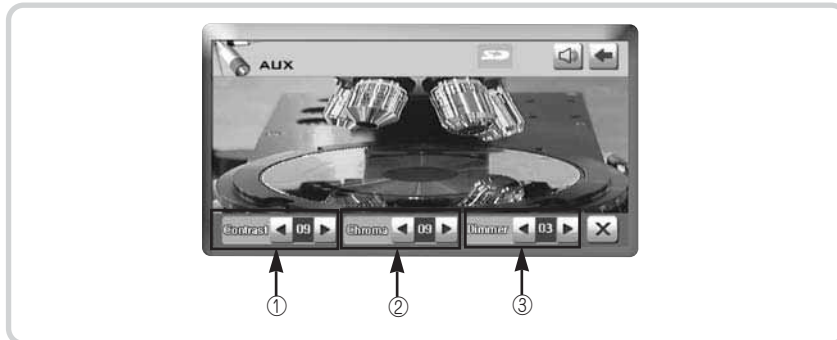


- ① Power : Power on or off the DVD player.
- ② SD : If the icon appears, the device detects the SD memory.
- ③ Volume : Controls sound volume of the DVD player.
- ④ Play/Pause : Starts or pauses the DVD player.
- ⑤ Stop : Stops the DVD player.
- ⑥ Prev : Starts the DVD player and moves to previous screen.
- ⑦ Next : Starts the DVD player and moves to next screen.
- ⑧ DVD Title: Switches to the DVD title menu and displays the direction key menu, which makes cursor movement easier in the DVD title.
- ⑨ Setting : Changes to screen setting.
- ⑩ Hide UI : Hides the UI from the screen.
- ⑪ Returns to the previous menu or the main menu.

Navigation

Using VXA-3000

The following screen will appear if you press the setting icon.



- ① Contrast: Controls contrast within the range of 0 ~ 16 stages.
- ② Chroma : Controls chroma within the range of 0 ~ 16 stages.
- ③ Dimmer: Controls brightness within the range of 1 ~ 5 stages.

The below figure shows the screen when you press the DVD title icon. You can move the DVD Title cursor using the direction key.



- ① Direction key: Moves the DVD Title cursor.
- ② ENTER: Selects the moved cursor.



13. Setup

You can change many settings if you select Setup in the main menu.



13-1. Main Theme

Change main theme of GUI (Graphic User Interface)

13-2. Slide show

If no input is made longer than one minute in the main menu, specified images will be displayed sequentially. You can select one of Off, 10 seconds, 30 seconds, 60 seconds and 5 minutes, which means the time interval of image changing when the slide show is started.

- ★ To use Slide show function, you have to resize image file to 480 X 234. V-up Pro 3000 supports image resizing function and save resized image in the SD Card memory automatically.

13-3. FM transmitter

You can select 88.1, 88.3, 88.5, 88.7 MHz or off. If you set the car radio frequency to the selected frequency, you can listen to the sound using the car speaker.

13-4. Volume

You can select the sound volume from 0 to 16 level.



13-5. A/V Input

If you select the VXM or VXD, you can control the DVD player using this device, when the DVD player manufactured by this company(VXM and VXD series) is connected. To connect other manufacturer's product, set to "Others". Default is "Others".

13-6. Upgrade

Upgrade using SD Card memory - You can upgrade the OS using SD Card memory. To download OS from the web site(<http://www.plenio.co.kr>) down to SD Card memory using V-up pro 3000, you have to register in the web site. See the web site to see how to use V-Up Pro 3000.

◆ OS Upgrade

- 1) Download the OS upgrade file to SD Card memory using V-Up Pro 3000.
- 2) Connect the SD Card memory to the device. When the SD Card memory icon appears, select OS upgrade.



- 3) Press the [OK] button.

Navigation

Using VXA-3000



4) When upgrade is complete, turn the power off and on.

13-7. Dimmer

You can select 5 level of screen brightness.



13-8. Touch Calibration

Selecting this menu to increase accuracy of the touch screen.



For touch setting, press the center of the cross symbol. Then, the cross symbol will appear at the center, left upper side, left bottom side, right bottom side and right upper side one by one. To complete touch setting, press the center of the cross symbol for 5 times in total.

Caution If you press the point that is far away from the cross symbol at the time of touch setting, the cross symbol will appear indefinitely. Therefore, stop the car without fail for touch setting. Do not use the tool with too sharp tip, since it can damage the touch panel. Instead, use the round edge object like a test jack for setting.

13-9. OK

You can save all settings by pressing this button

13-10. Cancel

You can cancel all settings you made by pressing this button.

13-11. INIT

The factory default setting will be stored, if you press this button.



How to register the member

1. Connect to eh Plenio web site (<http://www.plenio.co.kr>).
2. Create your user ID and password by entering the customer information and product number in the Subscribe menu.
3. If you input user ID and password correctly, you can download the latest information related with upgrade.

Downloading Navi or OS

You can download V-up pro 3000 and various download files from the Customer Support section of Plenio web site. The web site also provides the installation method and the latest download information.

- ▶ You need to subscriber for membership and receive product certification using the product serial number that is printed on the rear side of the product, after purchasing this product.
- ▶ You may download map files, monitoring camera and others free of charge for one year after product purchase. Afterwards, you can download these data free of charge based on the criteria set by this company.

What is V-up Pro 3000

V-up Pro 3000 is the VXA-3000 management program and performs the following function.

- ▶ You can download navigation data and OS using V-up Pro 3000.
- ▶ V-up Pro 3000 supports image resizing function and save resized image in the SD Card memory automatically.
- ▶ Support management function of music files.
- ▶ You can download the latest version of V-up Pro 3000 from Plenio web site.



Specification

Item	Details	Remark
OS	MS WINDOWS CE.NET 4.2	
CPU	ARM9 Core	
RAM	64M Bytes	
FLASH	64M Bytes	
DISPLAY	7" TFT LCD (Touch Screen)	
AUDIO	Internal Speaker(1W) Lineout output Connect to the car audio using FM Transmitter	
GPS Module	SiRFstar III GPS engine, internal type	
GPS sensitivity	First start sensitivity : -135dBm Restart sensitivity : -153Bm Sensitivity in motion : -156dBm	
Input power	12V, 1A In storage : -35 ~ 75 °C	
Temperature	In running : -10 ~ 60 °C	
Size	190mm x 125mm x 33mm	
Weight	600g	

Specification



A/S and Product Enquiry

The product warranty period is calculated from the date of product purchase. Therefore, make sure to write down the purchase data for proper after service.

[If the product purchase date cannot be known, the product warranty period will start 3 months from the manufacturing date or import customs clearance date.]

Customer Service Center

Customer service and complaint reporting

You can make an enquiry or ask advice about the product through a phone call or in the web site.



U.S.A.

U.S.FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT INFORMATION TO THE USER

Customer service and complaint reporting

You can make an enquiry or ask advice about the product through a phone call or in the web site.

NOTE This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful Interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if Not installed and used un accordance with the instructions, may cause harmful Interference to radio communications.

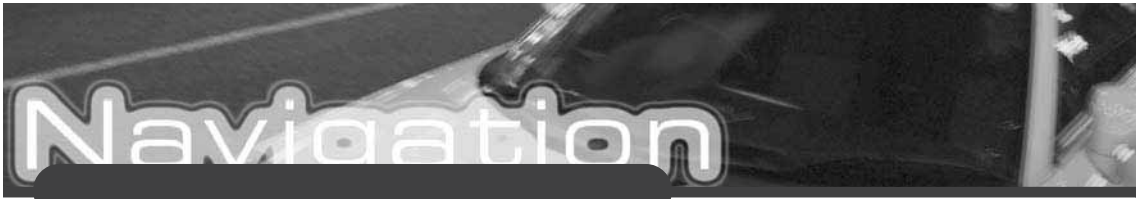
However, there is no guarantee that interference will not occur in a particular Installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :

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

Change or modification not expressly approved by the party responsible for Compliance could void the user's authority to operate the equipment.

Connecting of peripherals requires the use of grounded shielded signal cables.



DECLARATION OF CONFORMITY

COMPANY NAME

DVS KOREA

7th & 8th Fl. KPS Bldg 196 Kungok-dong, Boondang-ku Sungnam City, Kyungki-do, Korea

Declare under our sole responsibility that the product :

Kind of equipment : Navigation System

Type-Designation :

to which this declaration relates is in conformity with the following standard(s) or other normative document(s)

Safety : EN 60950 : 1992 + A1, A2, A3, A4, A11

EMC : EN 55022 : 1998, EN 55024 : 1998

EN 61000-3-2 : 1995+A1 : 1998+A2 : 1998

EN 61000-3-3 : 1995

following the provisions of the Low Voltage Directive 73/23/EEC, 93/68/EEC and the EMC Directive 89/336/EEC.

Accredited test laboratory :

TV Rheinland

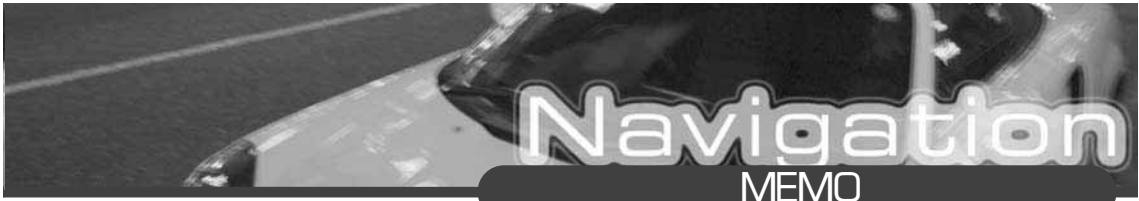
Am Grauen Stein

51105 K_In

KOREA / April. 27, 2006

(Place and date of issue)

(Name and signature of authorized person)



A large, empty rectangular area with rounded corners, intended for handwritten notes or a memo.



A large, empty rectangular area with rounded corners, intended for writing notes or a memo.



A large, empty rectangular area with rounded corners, intended for handwritten notes or a memo.