PAPAGO！ X series GPS Navigation System

PND Edition

Designed for Hong Kong

Please read and follow the instructions in this user manual before using the system.

Maction Technologies, Inc.
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Online Customer Support: http://www.papago.com.tw/service/service.htm
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Disclaimer

The map data provided by this system is for reference only. The user must determine their current location based on the actual conditions.

The route plan, voice indication and junction information offered by this system are recommendations generated routing algorithms with an electronic map database. They are provided for reference only and the user must follow actual road conditions.

The user is required to follow local laws and drive safely. Do not operate this system when the vehicle is in motion.

The GPS positioning results are provided for the user's reference only. They should not affect the actual driving behavior as this system is unable to guarantee accuracy.

The accuracy of GPS positioning may vary due to weather and location (tall buildings/tunnels/underpasses/trees). Most GPS do not work indoors as the GPS signal cannot pass through buildings or metallic solar film on car windows. The quality of GPS reception varies depending on individual hardware characteristics. This system is not capable of determining variances in positioning results due to hardware differences.

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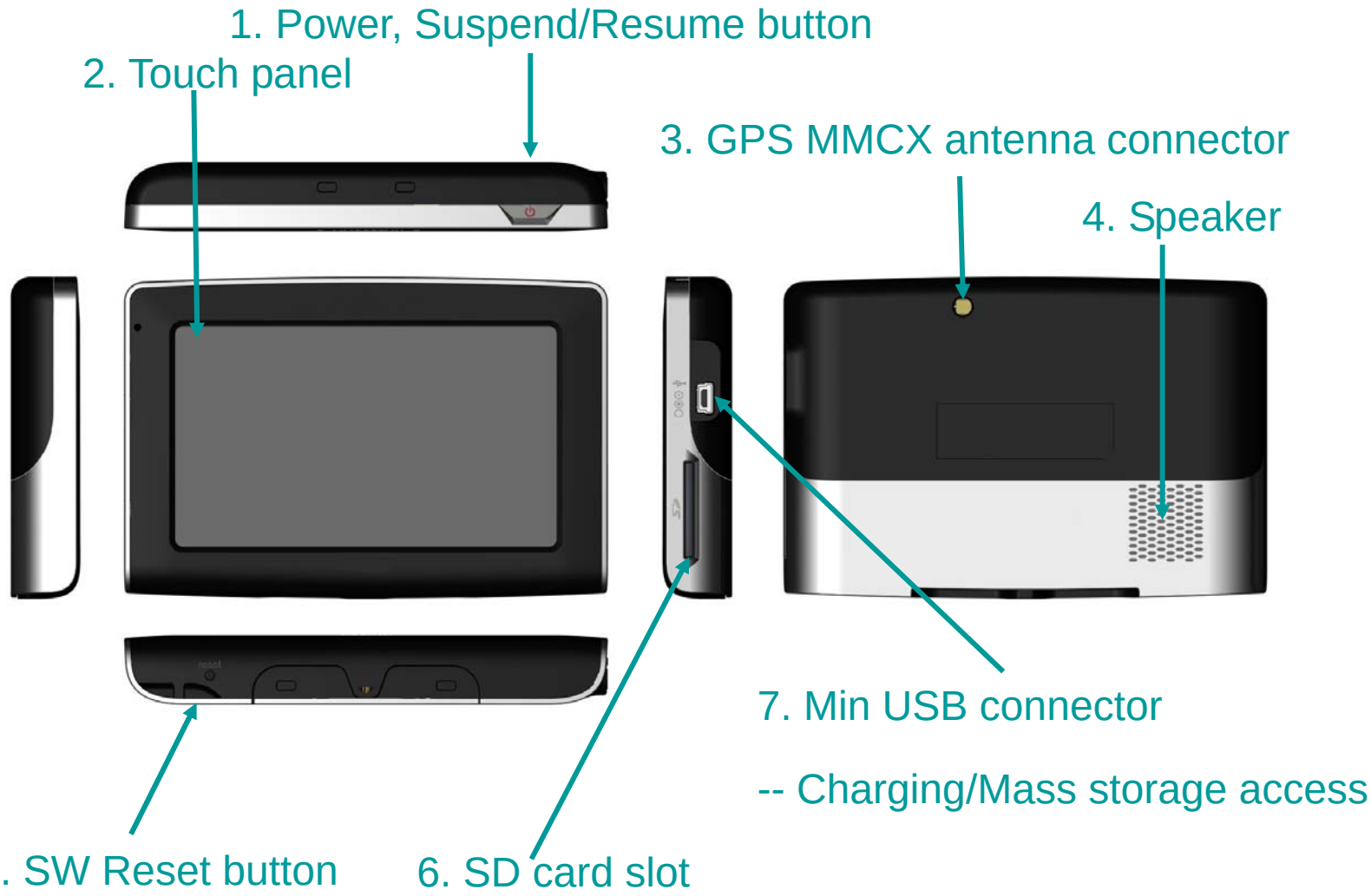
1. Device Overview

Device overview



Function description

★Power, Suspend/Resume button –
Press, and hold the button for 5 seconds to power on or off the GPS device
Press, and hold the button for 2 seconds to suspend or resume the GPS device

★Touch panel –
Use finger, or stylus to click the touch panel to perform SW functions

★GPS MMCX antenna connector –
Connecting external GPS antenna

★Speaker –
perform the GPS SW audio/sound effect

★SW Reset button –
press the button to SW reset the GPS device

★SD card slot
OS/AP update

★Min USB connector –
For external car charger cable insert, performing battery charging, and GPS device power supply
For connecting with PC for mass storage access

2. Navigation System Overview

Welcome to the "PAPAGO! X series GPS Navigation System" developed by Maction Technologies!

PAPAGO! X SERIES GPS Navigation System Features

★3D landmarks
Uses advanced drawing technologies in mapping major landmarks and buildings to provide a vivid view while driving on the road.

★3D Buildings display in urban areas
Uses virtual 3D technologies to display real environment of all urban streets.

★Junction View of national freeway/ expressway entrance
Picture-clear display of exit ramps, clearly showing their actual status.

★Graphical navigation interface
A user-friendly navigation interface that is easy to use for people of any age.

★High performance X SERIES navigation engine
Smooth 3D navigation display that shows every junction in detail.

★Simple voice navigation directions
The voice navigation feature has been re-designed based on the long-term experience of 17 professional drivers to provide simple and easy to understand directions.

★Alternative route planning
The advanced smart routing algorithm can generate 3 types of alternative route suggestions on the fly.

PAPAGO! X SERIES GPS Navigation System's professional navigation map data

★Complete navigation map database for automobiles (digital low-altitude aerial snapshots of roads)
★Data of the turn lanes in the three major metropolitan areas.
★General survey on domestic mountain roads and access roads.
★Data of domestic freeway facilities and paid sections.
★Data of domestic one-way-streets.
★No-turning-rules for domestic roads.
★Indication of switching between fast and slow traffic lanes.
★Indication of driving on roundabouts, bridges, viaducts or roads and in tunnels or underpasses.
★Provides the latest information of Points of Interests (POI); classifying POIs based on their correlation.

PAPAGO! X SERIES GPS Navigation System's Navigation Engine

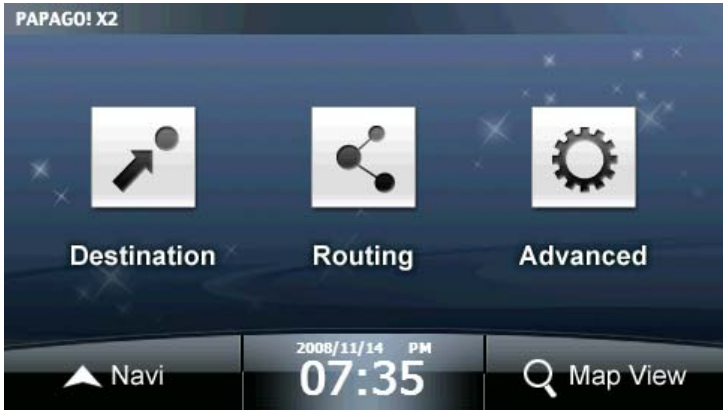
★Smooth stutter-free display updates
★All new perspective offers wider and longer-ranged view
★Plan routes with multiple via points
★Trip computer and mileage log display
★New high-speed search engine for fast text and road number searches.
★Distance and bearing display for search results

PAPAGO! X SERIES GPS Navigation System's Intuitive Guidance Interface

★Clear and easy to read navigation information display
★Alternative routes planning function
★Pre-recorded human voice announcements
★Fully-featured data search engine for smart full text search of roads, POI, junctions and coordinates.
★Sorting user-defined favorites
★Comprehensive route planning options
★Complete full-screen handwriting/ keyboard input unit
★Easy to read freeway/expressway driving information

3. Overview of the Main Menu

When you enter the system, the main menu will display and you can select the required function from here. The satellite time will be displayed in the center of the main menu page. If the GPS is not ready, the time will be displayed according to the system time of the device.



Destination: You could search for Destination by POI or street/road name and set any Destination as Home or Office.

Routing options/ Routing: this option will define the navigation route according to the selected destinations and arrange the schedule for each destination. The route planning methods can also be selected here.

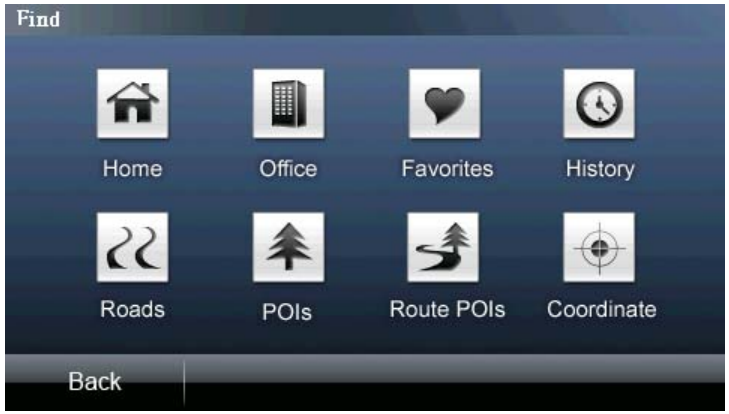
Advanced: provides various settings of the system and navigation functions.

Navi: click here to enter the navigation screen.

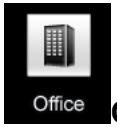
Map View: set the destination or map related settings from here.

4. Destination

The following are some methods to find and set destinations. Besides, you can set the destination via “Map View”.



Home: when using this option for the first time, you need to set your home location via “Map View” or “Favorites”. After the initial setting, the system will define the route based on the location you selected as the destination every time when you click this button.



Office: when using this option for the first time, you need to set your office location via “Map View” or “Favorites”. After the initial setting, the system will define the route based on the location you selected as the destination every time when you click this button.

Favorites: POIs you frequently visit can be added to "Favorites". They can then be quickly selected as the destination next time.

History: the system will list the POIs or destinations that were enquired previously.

Roads: you can input the road or address data and use it for destination setting.

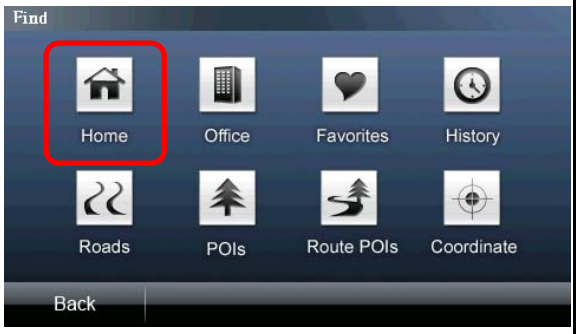
POIs: find the POI information using this option and set it as the destination or make other settings.

Route POIs: after the destination is set, use this option to search for the POIs between the start point and the destination and make further settings of individual navigation points.

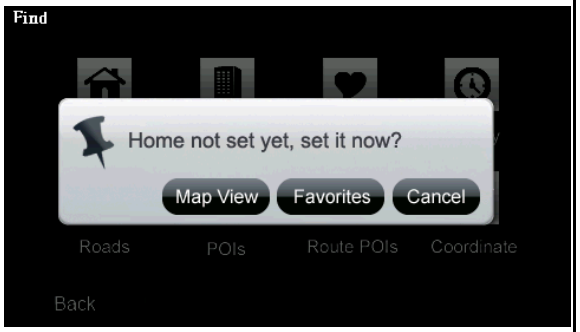
Coordinate: you can input the coordinates value to move the center of the map to the location as indicated by the value. Then you can make a setting of the destination.

4.1. Home

(1) When clicking for the first time, follow the instructions to set the location of “Home”. Afterwards, the system will quickly navigate to the location of your “Home”.

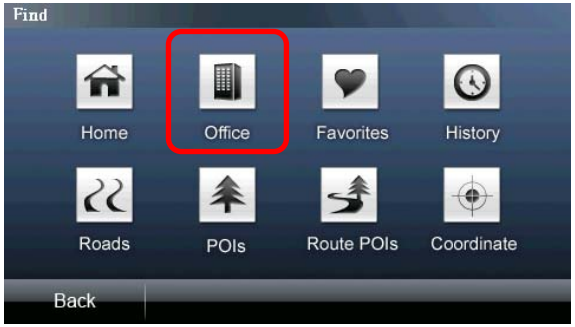


(2) Use "Map View" or "Favorites" to set the location of "Home".

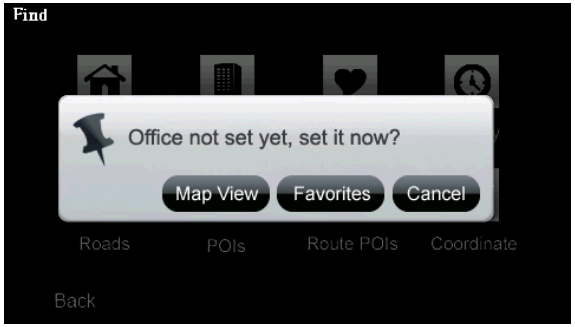


4.2. Office

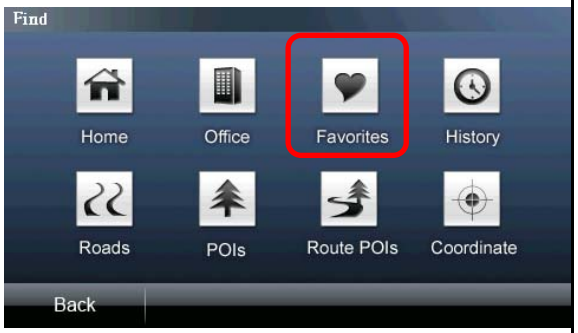
(1) When clicking for the first time, follow the instructions to set the location of “Office”. Afterwards, the system will quickly navigate to the location of your “Office”.



(2) Use "Map View" or "Favorites" to set the location of "Office".



4.3. Favorites



POIs that you frequently visit can be added to "Favorites", so that they can be set quickly as the destination next time.

In the “Favorites” menu, you can click the menu option to view the detailed map and set the navigation destination. You can use the functions such as “Class”, “Sort”, “Add photo POIs” and “Delete All” in the “Management” option to manage the “Favorites”.

(1) Clicking on the menu content will display a detailed map showing the location that you need and start the navigation.

(2) When entering the map view page in the menu, the selected POI or address location will be indicated by the icon [ ], and the location indicated by this icon will be used as the base point for navigation or advanced settings. If another location on the screen is clicked, an animation icon [ ] will be displayed, and the location indicated by this icon will be used as the reference point for navigation or advanced settings.

(3) In the map view page, you can make various settings for the reference point. Details of the reference point are displayed on the upper left corner.

a. **Delete**: delete the data of a specified POI.
b. **Edit**: edit the telephone number, address, type and thumbnail of a specified POI.
c. **Set as Home**: set the POI as “Home.”

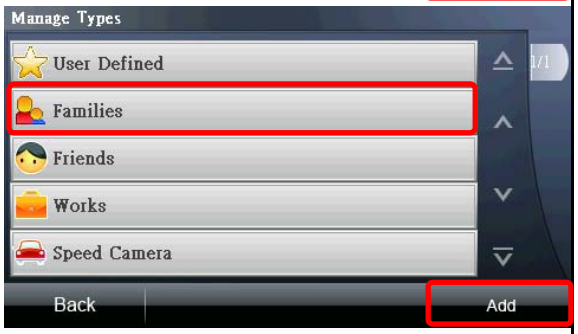
> **《Tip》**
> Place the photos in the program folder, Navi\Photo, and you can use the edit page of the POI map view in “Favorites” to replace the thumbnail. The photo file should have a thumbnail data field to display the thumbnail.

d. **Set as Office**: set the POI as “Office”.
e. **POIs Nearby**: search for all types of POIs nearby a specified POI.

Click “Management” to manage or edit all POI data.

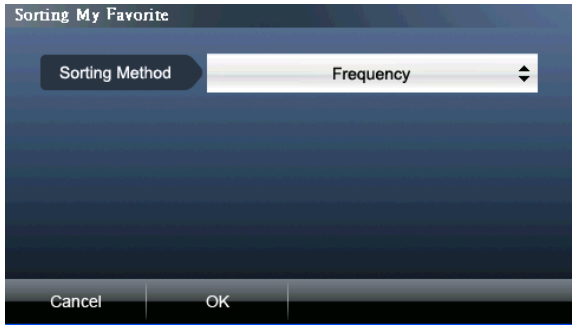
Class: classify all POI data in the “Favorites”.

a-1 You can edit a specific type or use “Add” to add a new type.

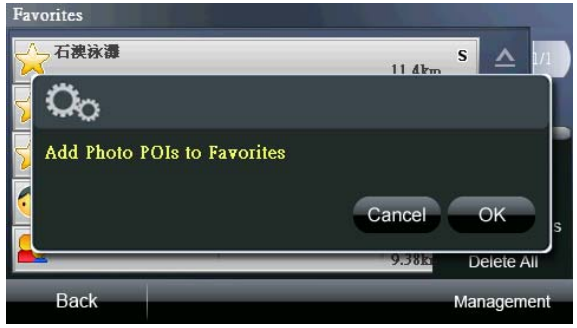


a-2 You can change the “Icons List” here and select whether to display on the map or notified by voice. You can also delete the type here.

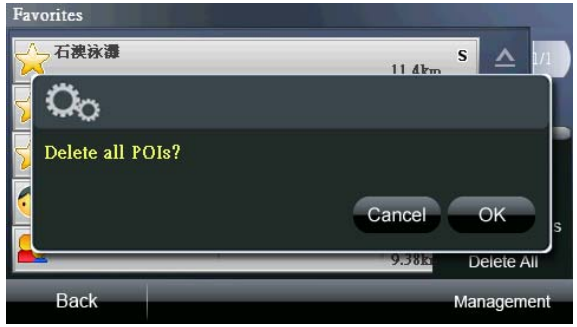
a. **Sort**: If a lot of data are displayed, you can use the “Sort” function to classify the data you need. Data can be sorted by “Frequency”, “Distance”, “Date” and “Category.”



b. **Add Photo POIs**: This option can add the photos that have GPS coordinates in the system to “Favorite” and use the coordinates to navigate. Photo files that have GPS coordinates can be placed in the program folder Navi\Photo, so the system can read these photos in this folder when you add photo POIs.



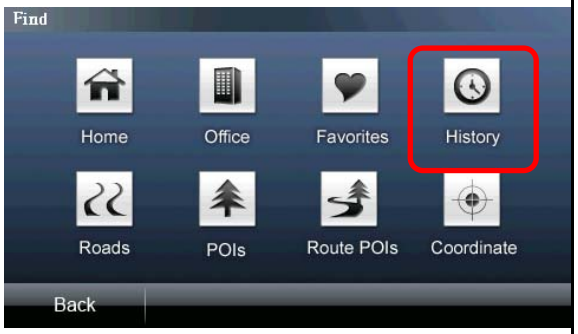
c. **Delete All**: Delete all POI data in the “Favorites.”



《Tip》
“Delete” option is not available to the types “Undefined” and “Speed Camera.

4.4. History

The system will display a list of POIs or destinations that were searched, allowing the user to quickly set the destination.

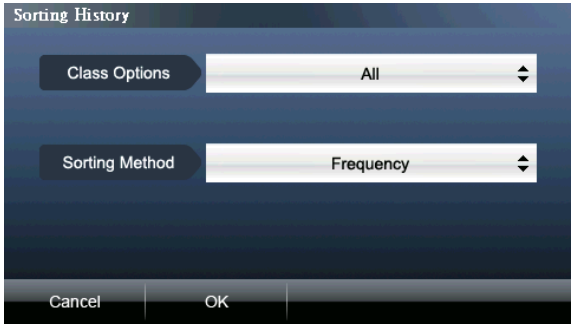


When entering the History menu, you can select data content to view the detailed map and quickly set the destination, find nearby POIs, or add to Favorites. You can also use the “Sort” or “Delete All” functions to manage the history data. The history records will be marked differently according to search properties so records can be classified or identified for easy search.

Even though you quit the search result view page without any setting, the system will save the search result data in “History” and mark it with “ ”.

If the destination is set during data search, the data will be saved in “History” and marked with “ ”.
In addition, the data saved in the “Favorites” will be marked with “ ” in “History”.

When there are a large number of data, use the "Sort" function to show the record you need.

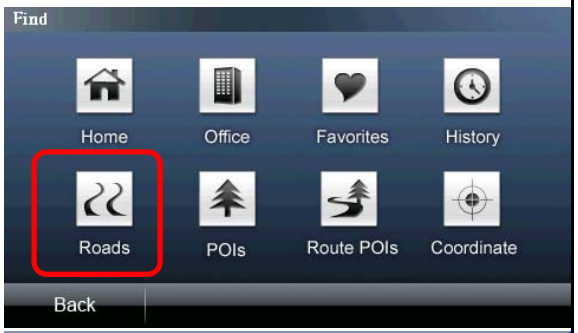


Class Options: display history records according to the search methods, including 4 kinds of classification methods: “All”, “Search Record”, “Find” and “Favorites”.

Sorting Method: sort the data further based on the selected sorting method, including 4 methods: “Frequency", “Distance”, “Date” and “Category”

<For example>
If “Search Record” is selected from <Class Options> and “Frequency” is selected from <Sorting Method>, the system will display the history records of “Search Record” first and then sort the records by “Frequency”

4.5. Find Roads



You can use “Road Name” and “Junction” as search conditions to find road information and quickly set the destination.

Alphanumeric input: an input method using alphabet letters and numbers to search for data. This input method is embedded with an intelligent search function, which can filter the road names according to the selected search conditions while inputting. Buttons that do not meet the search conditions will be disabled so as to improve the convenience of input.

Traditional Chinese Handwriting input: the left area is used for handwriting while the right area is used to compare the recognition results. After writing, you can select the recognition result in the comparison area on the right side.

Simplified Chinese Handwriting input: the left area is used for handwriting while the right area is used to compare the recognition results. After writing, you can select the recognition result in the comparison area on the right side.

4.6. Find POIs

You can use this option to search for all types of POIs. After you select the search scope and classify the searched POIs, the system will list the matched POIs and you can quickly set the destination.

Clicking a single entry of POI data will display the map view of that POI. In addition, clicking [ ] allows you to check the map view of all nearby POIs.

Keywords: search for the POI data that matches the keywords.

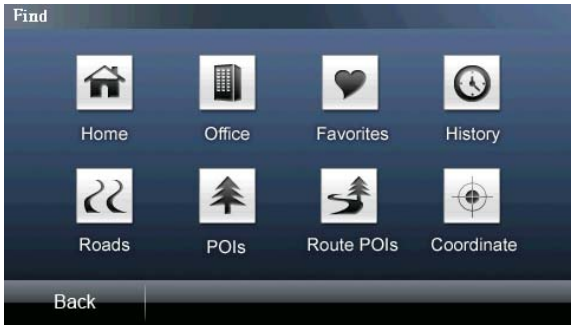
4.7. Route POIs

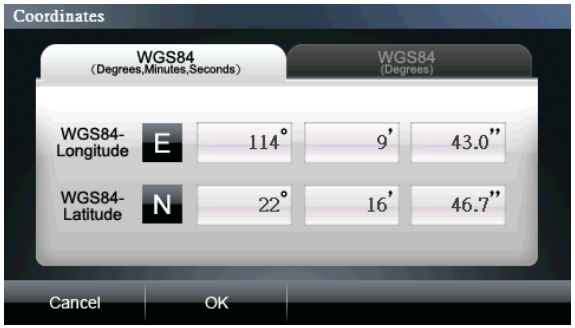
After setting the destination, you can use “Route POIs” to find the POIs along the selected route.

Besides checking the POIs along the route in the menu, you can also use the “POIs Class” to make further searching. The menu also provides the map view of a single POI and the function to view the map of all POIs along the route.

4.8. Coordinate Input

You can input the coordinates value to move the center of the map to the location as indicated by the value. Then you can make setting of the destination.

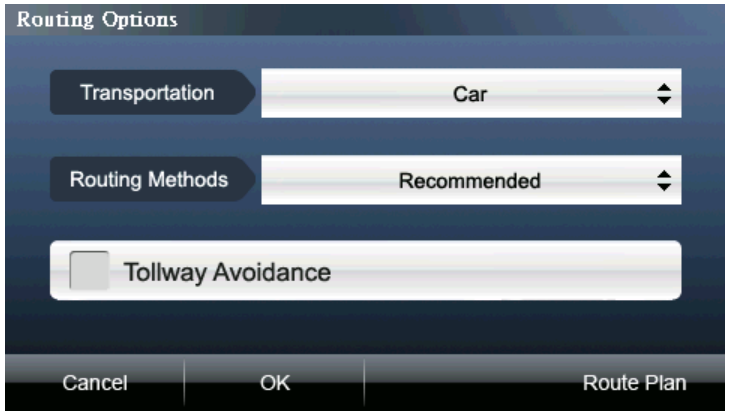




5. Routing Options/ Routing

5.1. Routing Options

When the destination is not set, the system provides the function of “Routing Options” to enable the selection of transportation and routing methods.

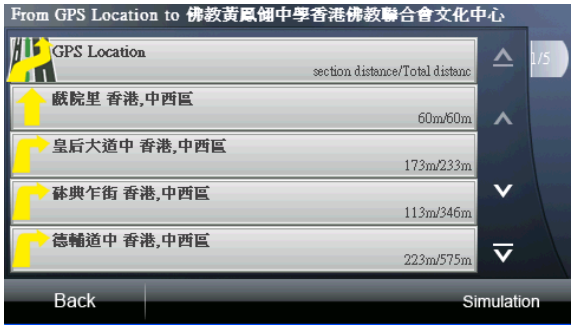


[Transportation]: allows you to select the transportation you use. The [Routing Methods] will vary depending on the transportation you select.
[Routing Methods]: including options of Recommended, Shortest Distance and Highway Avoided.
[Tollway Avoidance]: while routing, the system will avoid using tollways.
[Route Plan]: this page can be accessed while setting a single or multiple destinations. You can adjust the sequence of each navigation point in this page.

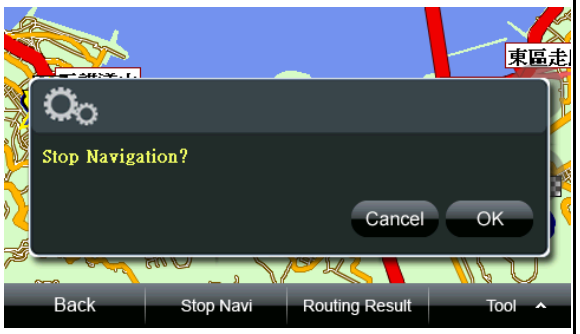
5.2. Routing

After setting the destination, you can enter the "Routing" page to view the complete map of the planned route.

(1) **Routing Result**: the system will list all roads from the start point to the destination and use a conspicuous arrow to indicate turning direction with a cue of remaining distance. You can click on the road name to view the map of the road.



(2) **Stop Navi**: if you want to reset the navigation route or cancel the routing before the navigation is completed, you can select “Stop Navi.”



(3) **Tool**: this option provides functions of “Alternative”, “Routing Options”, “Route Plan” and “Simulation”. You can set and select the navigation routing functions using this option.

a. Alternative: the system will use different methods to plan three routes from the start point to the destination

and each of the routes is displayed in different color. You can click the button below to switch routes. The route displayed in blue is the original route.

b. Routing Options: the “Routing Options” provides the same function as the “Routing Options” when the destination is not yet set.

c. Route Plan: this page may be accessed while setting a single or multiple destinations. You can adjust the sequence of each navigation point in this page. 【] and [ ] indicate that the sequence of the navigation points can be adjusted down or up. [ ] means the navigation points may be deleted.

d. Simulation: a navigation simulation with 3D scenery will be performed according to the planned route.

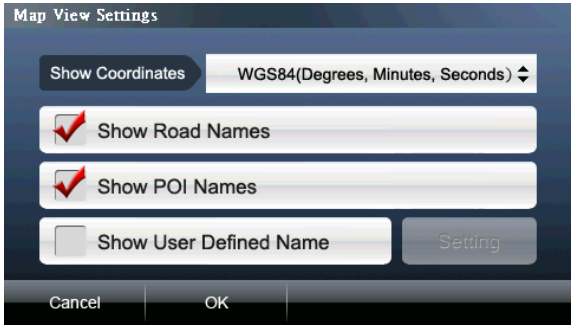
6. Map View

A detailed map browsing and easy to use search function is provided. The user can freely drag the display or select any location to set it as "Destination", search for "POIs Nearby" or "Save to Favorites".

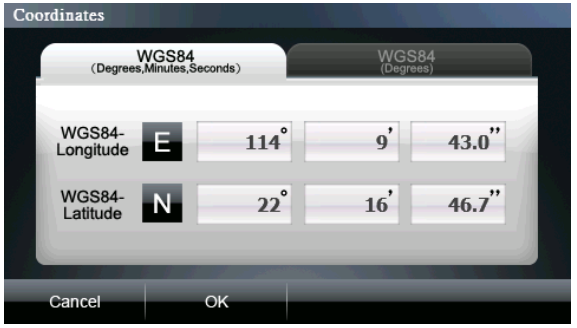
(1) **Function**: click this option to select the function you want to perform. The function setting here will be performed based on the last selected location on the screen.

a. Save to Favorites: add the selected location to “Favorites”. You can also use the coordinates position to specify the POI to be added.

b. Map View Settings: set the display method for the coordinates on the map and determine whether to display road names and POI names in the “Map View” mode. If you want to set a specific type, select “Show User Defined Name” and then select the type to be displayed from the “Setting”.



c. Coordinates: you can input the coordinates to move the center of the map to the location as indicated by the value.



d. Current Position: if the GPS is ready, selecting this option will move the center of the map to the current position.

e. POIs Nearby: access the “POIs Nearby” page, where you can search for the POIs nearby the locations indicated by the icons [ ] and [ ] on the map.

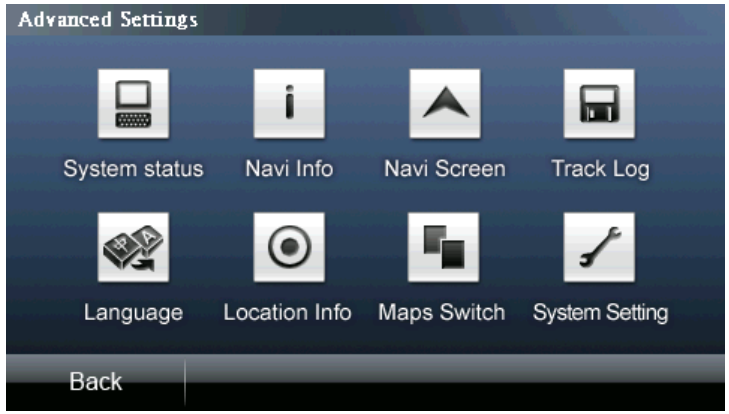
《**Tip**》
Utilize the “POIs Class” function to quickly find the POI information you need.

f. Move to a state: quickly move center of the map to the district you want to enquire.

《**Tip**》
Refer to the Appendix for the information of the POI icons on the map.

7. Advanced

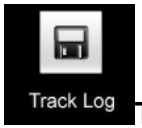
You can make the setting of all navigation and system functions in “Advanced”.



System Status: display the information of all system statuses, including the GPS reception status and the battery.

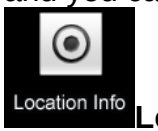
Navi Info: you can set the notification method for speed cameras and speed limits, whether to enable the simulation display of freeway entrances, and the about.

Navi Screen: provide all relevant settings of the navigation screen.



Track Log: record and display the movements of the GPS location and save this log in the program folder.

Language: provide all options of language functions and you can make the setting to your preference.

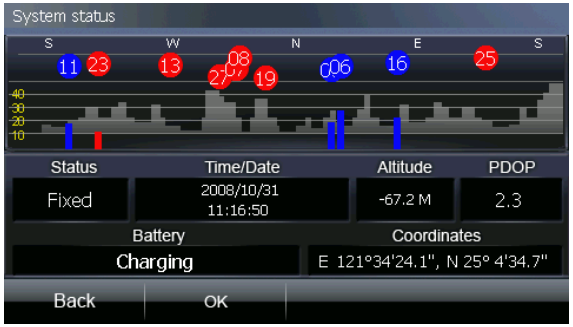


Location Info: set the display of information relevant to the current position during navigation.

Maps Switch: switch map files according to requirements via this option.

System Setting: provide various functions such as volume setting, backlight level, remaining power, battery status, mute and screen correction.

7.1. System Status



The top icon and the center column show the **GSP reception status**. In this area, you can check the distribution of the GPS signal, positioning status and errors, altitude, time and dates.

In the distribution map of the GPS signal, the red color indicates that the signal is unstable and unlocked; the blue color indicates that the satellite signal is locked.

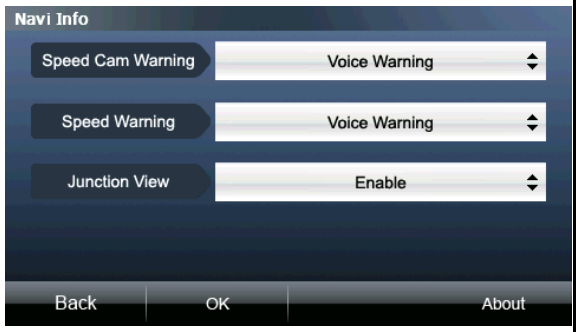
Battery: display the device's current status of power reception.

Coordinates: display the GPS longitude and latitude.

《Tip》

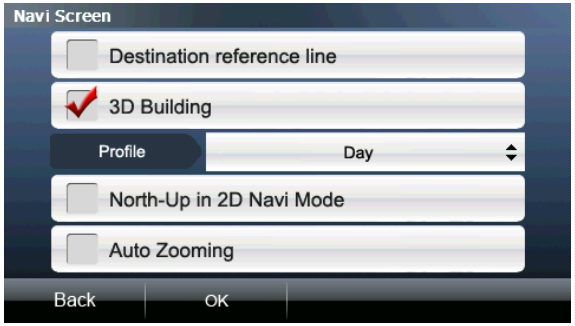
For positioning after first time opening navigation system, please wait 5 to 10 minutes to complete the positioning process.

7.2. Navi Info



Speed Camera Warning: you can select from the settings “Closed”, “Voice Warning” and “Alarm”.
Speed Warning: you can select from the settings “Closed”, “Voice Warning” and “Alarm”.
Junction View: set whether to enable or disable the junction view function.
About: display relevant information of the system.

7.3. Navi Screen

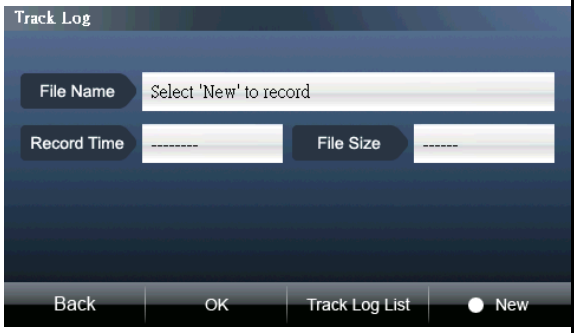


Destination reference line: define whether to display a straight reference line from the current position to the destination on the navigation screen.
3D Building: define whether to display 3D buildings on the navigation screen, no 3D buildings will be displayed on the navigation screen.

> **《Tip》**
> Display of 3D buildings will affect the performance of the navigation.

Profile: you can switch the brightness mode of the navigation screen according to day or night, including three modes, "Auto", “Day” and “Night.”
North-Up in 2D Navi Mode: the map is shown north-up on the 2D navigation. If this option is not checked, the driving direction is shown north-up on the screen
Auto Zooming: this option can automatically zoom in or out junctions in the navigation mode.

7.4. Track Log

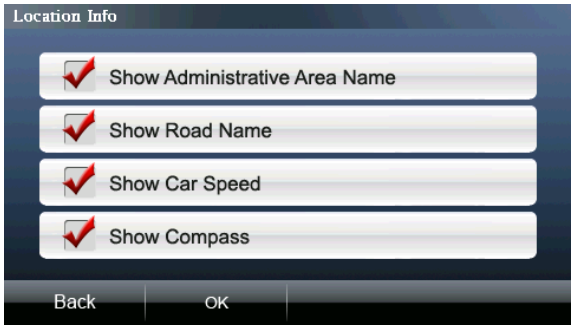


File Name: While "New" is selected, the system will generate a filename automatically.
Record Time: display the accumulated time to generate the track log.
File Size: display the accumulated size of the track log file.
Track Log List: all track logs are stored here and you can select the track log displayed on the map from here.

7.5. Language

Interface: select "English", "Malaysian", "Simplified Chinese" or "Traditional Chinese".
Voice Type: provide 6 types of voice, including "English", "Malaysian", "Chinese", "Cantonese", "Hokkien" and "Hakka".
Input Settings:提供預設輸入法的設定。

7.6. Location Info



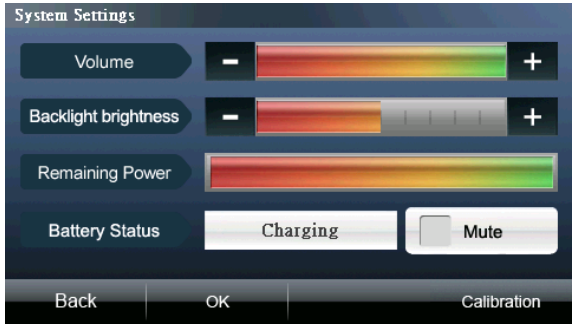
You can select whether to show the current location and status, such as "Administrative Area Name", "Road Name", "Car Speed" and "Compass", at the bottom of the navigation screen.

7.7. Maps Switch

If there are multiple map files in the system, you can switch maps here.
If the map is switched when the routing is completed, the navigation route will be cleared.

7.8. System Setting

This page provides various system setting options such as volume, backlight brightness, remaining power, battery status, mute and screen correction.



8. Overview of Navigation Screen

8.1. When the destination is not set

If the destination is not set yet, a notification message will appear at the top of the navigation screen, and an icon will show at the upper left corner as an indication (Refer to 8.3 for details of the icons).

1 System message area
2 Navigation status area
3 Main menu shortcut
4 Road name and administrative information of the current location(while the navigation screen is clicked, the corresponding road name or POI name will display).
5 Car speed, compass
6 Navigation mode switch button
7 GPS position

8, 9 Zoom in and out buttons of the navigation map scale

8.2. When the destination is set

(1) 3D navigation screen

After the destination has been set, a blue guidance line and a flashing yellow arrow will appear on the navigation screen. Please follow the guidance and instructions to move (Refer to 8.3 for details of icons).

1 System message area
2 Name of the next junction
3 Indicates turning direction at the next junction/ Indication of road information/ Indication of remaining distance to the next junction/ Indication of junction view
4 Indicates a freeway or expressway ramp exit/ indication of tollbooths / Indication of the turning direction and the remaining distance to the junction following the next junction
5 Left: estimated total distance to the destination; Right: estimated required time to arrive at the destination
6 Main menu shortcut
7 Road name and administrative information of the current location(while the navigation screen is clicked, the corresponding road name or POI name will display).
8 Car speed, compass
9 Navigation mode switch button
10 Shortcut to go back to the current location (while the navigation screen is clicked, the shortcut [Current Position] will display).
11 GPS position
12, 13 Zoom buttons of the scale
14 Shortcut to rotate the navigation map (while the navigation screen is clicked, the shortcut [↻] will display.)

> 《Tip》
> If the satellite signal is not received, the GPS status icon at the upper left corner will flash as an indication. While driving in tunnels and the satellite signal is lost, the system will simulate the driving situation automatically.

(2) 2D Navigation Screen

The 2D navigation mode will display the navigation screen at depression angle. If the “North-up in 2D Navi Mode” option in the “Navi Screen” of the “Advanced” is selected, the map will be locked in north-up. Otherwise, the map will be displayed with driving direction-up.

[Car head-up in 2D Navigation Mode]

[North-up in 2D Navigation Mode]

(3) Text Mode Navigation

You can use the “Mode” shortcut to switch to the text mode navigation. The system will from top to bottom list the road name, turning direction icon, distance and district information.

1 District

2 Remaining distance to the next junction, turning direction icon

3 Estimated total distance to the destination, estimated time required to arrive at destination

(4) Route Computer Mode

The route computer mode provides information such as turning direction, accumulated time of using the navigation system and mileage.

1 Current speed
2 Turning direction icon and remaining distance to the junction following the next junction (continuous junctions)
3 Turning direction icon and remaining distance to the next junction
4 From left to right: GPS time, the longitude and latitude of the current position, altitude
5 From left to right: the accumulated time of using the navigation system, accumulated mileage, top speed and average speed
6 Reset all record data
7 Compass

8.3. Description of icons on the navigation screen

Type	Icon	Name	Description
System message area (Upper right corner on the navigation screen)		System Status button	Check the information of GPS, power and etc. When all system statuses are normal, this icon will display.
		GPS status	If the GPS is not ready, this icon will flash. Click to check details.
		Power status	If the power is not sufficient, this icon will flash. Click to check details.
		Charging status	If the power is not sufficient and the charger is plug in, this icon will flash Click to check details.
		Mute On	When the mute function is enabled, this icon will flash.

Navigation status area (Upper left corner on the navigation screen)		Record tracks	If Record Tracks is selected in 《Advanced》→《Track Log》, this icon will display on the navigation screen as an indication.
		Destination not set	If entering the navigation screen without setting the destination, the system will display this icon as an indication.
		Satellite positioning	If the satellite positioning is still in progress, this icon will display as an indication.
		On an unknown road	If you drive on the road whose information is not shown on the map, this icon will display as an indication.
		Not on the planned route	If not driving on the planned route, this icon will display as an indication.
		Via point	If multiple destinations are set, this icon will display as an indication when you are approaching a via point.
		Destination	While approaching the destination, this icon will display as an indication.
Navigation information area (Left side of the navigation screen)		Interchange	This icon will display as an indication when you are approaching an interchange.
		Tollbooth	This icon will display as an indication when you are approaching a tollbooth.

8.4. Junction View

If “Enable” display is selected for junction view in 《Advanced》→《Navi Info》, the junction view will be displayed in a split window.

8.5. 3D landmarks and buildings

Adapting advanced drawing technologies in mapping major landmarks and buildings to provide a vivid view while driving on the road.

Appendix POI Legend on the map

Icon	Name
	All POIs
	AREA NAME/TOWN
	AIRPORT
	PETROL STATION
	PARKING AREA
	RAILWAY STATION
	MTR
	BUS/TAXI TERMINAL
	SCHOOLS

Icon	Name
	GOVERNMENT OFFICE/ COURT HOUSE
	BANK
	POST OFFICE
	POLICE STATION/BEAT
	HOSPITAL/CLINIC/POLYCLINIC/ PHARMACY
	HOTEL/MOTEL
	SHOPPING PLACE
	DEPARTMENT STORE
	GOLF COURSE

Icon	Name
	SPECIAL SUPERMARKET
	MUSEUM
	STADIUM/SPORT CENTRE
	PARK/RECREATION AREA
	IMMIGRATION CHECKPOINT
	ZOO
	IMPORTANT TOURIST ATTRACTION
	FAST FOOD
	TRANSPORT

Icon	Name
	FIRE STATION
	PLEASURE GROUND
	MARINE MUSEUM
	CHINESE FOOD
	WESTERN STYLE FOOD
	CULTUREAL SITES/ TEMPLE/ CHURCH
	CARS MAINTENANCE
	PHARMACY
	COMMUNITY/SA UNA

Icon	Name
	TOILET
	PORT/WHARF
	BOTANICAL GARDEN
	CAFE
	TELECOM
	CAR DEALER
	MEDIA/ THEATER
	BANZ
	TOYOTA
	BMW
	FORD

Icon	Name
	HANDA
	HONG-QI
	NISSNAN
	GENERAL MOTORS
	MADAZA
	GEELY
	CHERY
	MITSUBISHI
	CITROEN
	KIA
	OPEL

Icon	Name
	PEUGEOT
	HYUNDAI
	ZHONG HUA
	SOUEAST

Icon	Name
	LEXUS
	FIAT
	SUZUKI
	JIN BEI

Introduction of Maction Technologies, Inc.

Maction Technologies, Inc., established in Taipei, Taiwan in 2001, is the largest developer of the e-map navigation software in Taiwan and the top 3 developer of e-map software in the world. PAPAGO! e-map has over 70% of market share in Taiwan.

Mr. Leon Jian, the president of Maction, has extensive experience in the GIS and Mobile software fields. With practical technology and sincere business conceptions, we quickly entered the international market. The navigation map software of Maction Technologies are promoted in Taiwan, Hong Kong, China, Southeast Asia, Singapore, Malaysia, Thailand, Europe, and the U.S.A, and we have customers on 5 continents, 38 countries, and 4,731 cities, creating a sales volume of more than 1 million e-map navigation software packages in the global market. We established branches in Shanghai and Thailand in 2007 and became a partner of Nokia navigation systems. We cooperate with all our partners in the world to boost the sale of all product lines. Sincerity, reliability, resolve and stable financial structures ensure our partners security against risks.

In addition to e-map navigation systems, we also provide PaPaGO! SDK map elements, PaPaGO! Online map, paper maps, Smartphone products and PDA software. We also operate an e-commerce website in Taiwan.

● [R&D]

・PAPAGO! Car Navigation System series (Symbian S60 platform)
・PAPAGO! Car Navigation System series (PC + all PDA platforms)
・PAPAGO! Taiwan e-map series (PC only)
・PAPAGO! Online map service
・PAPAGO! SDK professional GIS map platform
・PAPAGO! Paper map series (Taiwan)
・Taiwan National Tourism Electronic Map of Tourism Bureau, R.O.C. (PC)
・KingMap Europe navigation e-map of 18 countries
・KingMap U.S.A navigation e-map of 50 states
・KingMap navigation e-map of Singapore
・MapHero e-map of China (cooperating with MEDIA Press/ SINOMAPS Press in Shanghai)
Landstar e-map of China
HandyMap e-map of South Africa for all platforms (cooperating with MobiTrak)
・SmartMap map service for cell phones, Smartphone, Symbian, LBS platforms
・RapidCodec professional portable GIS map platform
・Monster Chinese for all platforms of Windows CE Chinese system
・PocketGenius, smartest mobile information platform of the Chinese community
・Presentation DX, mobile presentation software (compatible with Microsoft Power Point slides)
・MoneyTracer, best account book software for Picket PC
・Dung Cleanser, mobile entertainment software for Pocket PC

● [Marketing]

· MoBuy Town Online Shopping: http://www.MoBuy.com.tw

Largest PDA e-commerce website in the Chinese community, providing software and peripheral devices for PDA. A reliable e-commerce website reviewed by the MOEA, R.O.C. A safe, comfortable, convenient, fun and price-guaranteed online shopping mall.

· International Partners

Maction's partners locate all over the world in Taiwan, Hong Kong, China, Southeast Asia, North America and Europe.

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PAPAGO! ® X SERIES GPS Navigation

System

PND Edition
Designed for Hong Kong

User Guide
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Prepared by Annie Kuo
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