

User Manual

Version 1.2  
17 Nov 2011

# POWERMAP

# Z9



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# Introduction

POWERMAP Z9 car navigation software is provided by AAPICO ITS Co. Sdn Bhd, a subsidiary of AAPICO Hitech Public Company Limited. Hence AAPICO ITS is the only car navigation software provider in Thailand and South East Asia, which originated from a global supplier of original equipment automotive component parts to major auto brands. AAPICO ITS is working under the umbrella of AAPICO's heritage and corporate culture.

POWERMAP underlying technology is based on understanding and predicting which actions users want to perform in various situations, and enabling those actions simply and instantaneously. Those personal, situation-based actions are presented in a unique, intuitive User Interface.

For more information, please visit [www.powermap.my](http://www.powermap.my)

POWERMAP Hotline +603-7956 5158

E-mail: [support@powermap.my](mailto:support@powermap.my)

Support Forum: <http://www.powermap.my/forum/>



## POWERMAP Z9

Tired of being lost when travelling? There is no destination that you cannot go with POWERMAP Z9, a quality product from AAPICO ITS.

## FEATURES

- **Z – Level**

Powermap Z9 is a 3D navigation software, featuring 3D display of elevated expressways, landmarks and junction views for enhanced safety and driving convenience.

- **Travel Guide**

A truly driving companion with the travel guide function, showing detailed description, photos, location, telephone numbers and ratings of the finest hotels, restaurants and tourist attractions.

- **Picture Navi**

A creative way of storing and viewing photos with coordinates of favorite destinations in the navigation device. Navigating to favorite destinations on the next travel is just few clicks away.

## Map Update

First time user? If yes, please register your software in order to download software and map updates.

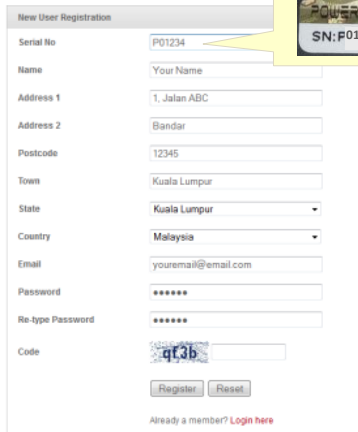
## Software Registration

To register your software, please go to:

<http://www.powermap.my/download/register>

Fill up the form completely and be sure to enter the Powermap Serial Number located at the back of the GPS device or on the SD/MicroSD card. For example: **P01234**

Powermap Software



New User Registration

Serial No	<input type="text" value="P01234"/>
Name	<input type="text" value="Your Name"/>
Address 1	<input type="text" value="1, Jalan ABC"/>
Address 2	<input type="text" value="Bandar"/>
Postcode	<input type="text" value="12345"/>
Town	<input type="text" value="Kuala Lumpur"/>
State	<input type="text" value="Kuala Lumpur"/>
Country	<input type="text" value="Malaysia"/>
Email	<input type="text" value="youremail@email.com"/>
Password	<input type="password" value="*****"/>
Re-type Password	<input type="password" value="*****"/>
Code	<input type="text" value="qt3b"/>

Already a member? [Login here](#)

Figure 1 - Software Registration Form

## Updating Map

Once registration is completed, login to download map updates here: <http://www.powermap.my/download>

### Powermap Software Login

Email

Password

[Forgot your password?](#) | [First time user](#)

Figure 2 - The Login Page

Enter your **Email** and **Password**, and click on the **Login** button to proceed. You can change your account details in the “**Profile Details**” page. To download software & map updates, go to “**Software Updates**” page.

[Profile Details](#) | [Software Updates](#) | [Logout](#)

#### Full Download

Description	Notes
Malaysia Map and Travel Guide 22/11/2010	Latest version of map. Full download.

#### Partial Download

Description	Notes
Malaysia Map and Travel Guide 22/11/2010 (Part 1 of 5)	Partial download (for slower connection). Download all parts and use 7-Zip: <a href="http://www.7-zip.org/">http://www.7-zip.org/</a> to extract the files.
Malaysia Map and Travel Guide 22/11/2010 (Part 2 of 5)	Part 2 of 5

Figure 3 - File listing

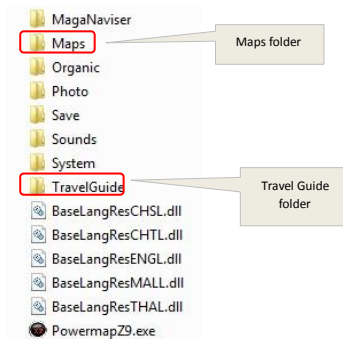
In the “**Software Updates**” page, there are two sections:

- 1. Full Download:** Download the map as a single archived (.zip) file. Use this if you have a stable and fast broadband connection.
- 2. Partial Download:** Download the map as separate archived (.zip) files. The map is split into several parts for easier segregated downloads. Use this option if you are experiencing broken or interrupted downloads.

To unzip the file(s), use WinZip or [7-Zip](http://www.7-Zip.org/) (<http://www.7-Zip.org/>) to extract the files.

To install a new map, connect your GPS device or SD/MicroSD card to your computer. Then, copy the folder named “**Malaysia-yymmdd**” into the “**Map**” folder in “**Powermap**” directory. For example “**Malaysia-101122**” where the date denotes the map release date.

To install a new Travel Guide, simply copy the “**TravelGuide**” folder into “**Powermap**” directory and replace all 3 files if necessary.



**Figure 4 - Maps and TravelGuide folders**

Once the files are copied, disconnect your GPS device or SD/MicroSD card from the computer, turn on the GPS device and run Powermap.

To change to the new Map, please refer the **Map Switch** section in *Figure 18 - Maps list 13*.

## Main Menu



Figure 5 - Powermap Z9 Main Menu

Upon launching the software, the system will automatically acquire the satellites. You will hear a voice prompt “Searching for satellites”.

To access to a function, simply tap on any icon using a stylus pen or your finger tip.



**Find** – this function allows you to search for Road, Point of Interest (POI), as well as accessing your saved POI in Home, Office, Favorites or History. See *Page 14*.



**Routing Options** – this option lets you change the routing method and create new route or adjust the current route based on your selected destination and current location. See *Page 29*.



**Advance Settings** – this function allows you to view the satellite status or current location information, change the navigation, system settings, language and map. See *Page 8*.



**Photos** – browse and view saved photos with this function. Powermap Z9 supports geo-tagged photos (with coordinates) where you can go directly to its destination by just clicking on the picture. See *Page 21*.



**Powermap Guide** – this unique function will guide you to the recommended hotels, restaurants or local favourite destinations. Brief information and pictures of the destinations are also available. See *Page 23*.



**Exit** – click this icon to exit the software or to put the device on standby. (On some devices, only standby option is available).



**Date and Time** – this is the current date and time from the satellite. If no satellite is acquired, the software will use the device's date and time information.



**NAVI** – this icon will bring you to the navigation mode. If satellites have been acquired, the software will zoom to your current position. See *Page 25*.



**Map View** – browse the map in 2D mode. You can pan and zoom the map, and navigate to your selected destination. See *Page 28*.

## Set Up

If you are using the software for the first time, it is recommended to change the settings to suit your preferences.

To go to the settings menu, tap on the **Advance Settings** icon.



Figure 6 - Advance Setting menu



**System Status** - This mode show GPS reception status. To lock the position, the software needs a minimum of 4 satellites, which can be distinguished by blue bars with numbers in circle that indicate the satellite number.

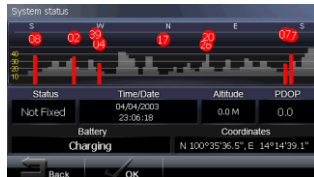


Figure 7 - Satellite Not Fixed

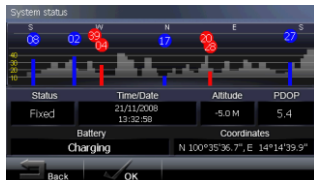


Figure 8 - Satellite Fixed



**Navi info** – Enables the special functions such as Speed Cam Warning, Speed Warning, Junction View and Toll Gate Warning.



Figure 9 - Navi Info options

**Speed Cam Warning:** It enables users to choose three options for warning within a radius of 700 meters from speed camera locations: “Disabled”, “Voice Warning” and “Alarm”  
**Speed Warning:** It enables users to choose three options: “Disabled”, “Voice Warning” and “Alarm”  
**Junction View:** It enables users to choose two options: “Disable ” and “Enable”  
**Toll Gate Warning:** It enables users to choose two options: “Disable ” and “Enable”  
**About:** Shows the software copyright information.



**Navi Screen** - This mode enables the special functions such as Destination reference line, 3D Building, Day/Night mode, North-Up in 2D Navi Mode and Auto Zooming.



Figure 10 - Navi Screen options

**Destination reference line:** Enables/ Disables the display of a straight line connecting the current position and the destination.  
**3D Building:** Enables / Disables the display of 3D building while on navigation.  
**Day / Night:** Set display Day/Night mode or auto switch mode.  
**North – Up in 2D Navi mode:** Enables / Disables 2D map display in north-up direction.  
**Auto Zooming:** Enables / Disables automatic map zoom depending on the travelling speed.



Figure 11 - Destination Reference Line Enabled (Yellow dashed line)



Figure 13 - Night mode



Figure 12 - Destination Reference Line Disabled



**Track Log** – this function allows you to record GPS waypoints as you travel. To record a new waypoint, tap on the 'New' button. To see the recorded track logs, select the 'Track Log List'.



Figure 14 - Track Log menu

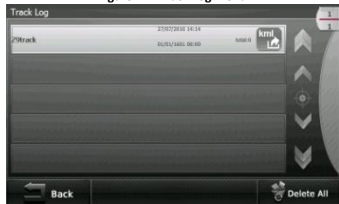
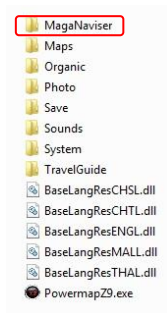


Figure 15 - Track Log list

The software also allows you to export each track log into *KML* format by tapping the **kml** icon or view the selected track log on the map. All recorded track logs are saved in the 'MagaNaviser' folder.





**Language** - Provides a selection of navigation voice language – enables setting selection and language interface.



Figure 16 - Language Setting

**Voice Type:** Provides 6 voices: Thai, English, Malay, Mandarin, Cantonese, Hokkien and Japanese.

**Interface:** Provides 4 languages: Thai, English, Malay and Chinese.

**Map language:** Provides 2 languages: Thai and English.

**Auto switch map language:** Enables / Disables automatic map language to match English or Thai voice types.



**Location Info** – you can change the time zone and the choices to “Enable” and “Disable” the display of the administrative area and road name labelling.



Figure 17 - Location Info

**Time Zone:** Scheduling is based on the world standard Greenwich Mean Time (GMT). The default for Malaysia is GMT +8 hours.

**Show Administrative Area Name:** Shows name of province on map display.

**Show Road name:** Enables / Disables show of road name on map display.



**Map Switch** – use this option to switch between Maps, if you have more than one maps installed in the device.

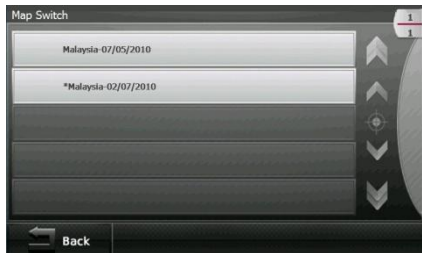


Figure 18 - Maps list

To load a map, simply tap on the desired version and the software will automatically change to the selected map. The asterisk (\*) symbol denotes which map version is loaded.

To update map, refer to *Page 3*.



**System Setting** - This function sets the software's main settings, including volume and backlight.

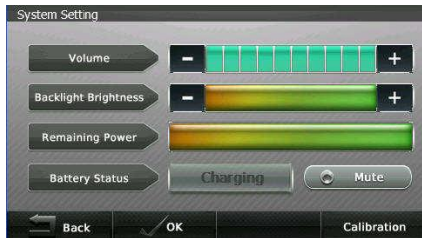


Figure 19 - System Setting

**Volume:** This function is for adjusting the level of volume.

**Backlight brightness:** Adjust the level of backlight brightness.

**Remaining Power:** This function shows level of battery power.

**Battery Status:** Displays the status of battery (In Use/Charging).

**Mute:** This button is used to set the device in silent mode.

**Calibration:** Use this function to recalibrate the touch screen.

Use a stylus pen for better calibration result.



**Back** - Go back to the Main menu.

## Find

To start navigating, use this function to find your desired destination.

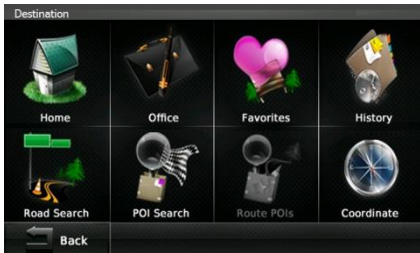


Figure 20 - Find menu

There are several methods to search for a destination – either search by a Road name, by Point of Interest (POI), by entering Coordinates, browse by History or simply by selecting your Home, Office or Favourites location.



**Home** – Navigates to your 'Home'. If no 'Home' is set, the software will prompt to set for a home location. This way you can quickly navigate to your home without having to search in the database.

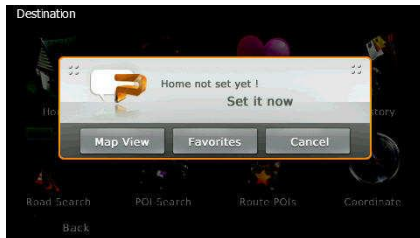


Figure 21 - Set Home option

To set your 'Home', you can either browse the map using the **Map View** or pick one POI from your **Favorites**.



Figure 22 - Selecting your Home's location using Map View

To set your Home using the Map View, browse the map and simply tap the screen on a desired location. A blinking circle will indicate your selection and click the 'Set as Home' button to confirm.

**Note:** only one 'Home' can be set at a time.



**Office** – Navigates to your workplace. This function is exactly like the 'Home' function where you can set your workplace's location as the 'Office'.



**Favorites** – this function allows you to save your favorite places and quickly select them for next navigation.



Figure 23 - Favorites List

To navigate to a Favorite place, select one and it will be viewed on the map. Then tap on **GO!** button to navigate.



Figure 24 – Favorite view in map

To edit a Favorite, tap **Function** and select **Edit**.



Figure 25 - Edit Favorite

To add a new Favorite, browse the map (See *Page Error! Bookmark not defined.*). Select on a desired location. Tap on the **Function** button and select **Save to Favorites**.

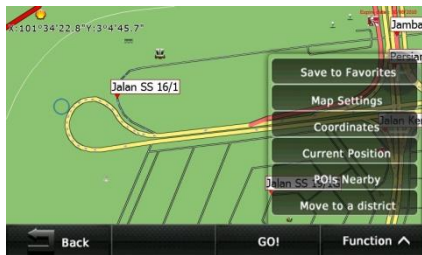


Figure 26 - Save to Favorites function



**History** – the function allows you to select a location based on the previous trips.

Tap the icon to view the history. The history is a list waypoints from the previous navigation routes.



Figure 27 - History list

**Sort:** Use this to filter records. Available sorting methods: “**Frequency**”, “**Distance**”, “**Date**” and “**Category**”.

**Delete All:** Deletes all recorded destinations in the history.

**Save to Favorite:** Saves the selected destination to your ‘**Favorites**’ list.

**POI Nearby:** This function lists all POI within 10 km radius from the selected destination.



**Road Search** – this is the common searching method to find a destination. Search for a road using a keyword.

Tap the icon to search. You can narrow your search by selecting a State or choose 'All Range'.



Figure 28 - Searching Range by State

To narrow the search range further, tap on the folder icon on the right side of the list and it will list out the Towns for the selected State.



Figure 29 - Searching Range by Town

Select a Town and start entering a keyword.



Figure 30 - Search by Keywords

As you type in each character, the software will filter out the texts with the matching keywords.



Figure 31 - Result of the matching keywords

Tap on any result to navigate to the desired location.



Figure 32 - Search result viewed on map



**POI Search** – use this function to find a known Point of Interest (POI) in the database. Search for a place using a keyword.

Tap the icon to search for POI. A list of States will appear. You can either narrow down your search range by selecting a State, search for nearby POI using the **GPS Location** or jump straight to **Keywords** to search for all range.



Figure 33 - Searching Range by State

Enter the text using the keypad to search using a keyword.



Figure 34 - Search by entering Keywords



Figure 35 - Result of the matching keywords



Figure 36 - POI search result viewed on map

## Picture Navi



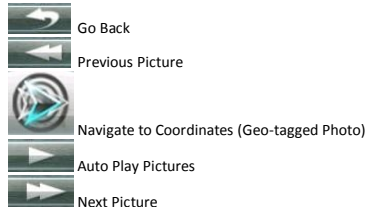
This function allows you to view your Geo-tagged photos and navigate to its location. Geo-tagged photos can be captured using a digital camera with built-in GPS receiver or by adding known latitude and longitude coordinates into a normal photo.



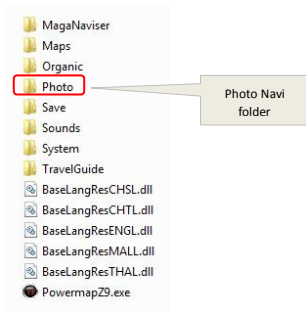
Figure 37 - Photo list



Figure 38 - Example of a Navigable Photo



To add more photos, simply connect your device or external memory card to your PC, browse to the **Powermap** directory, copy your photos and place them in the **Photo** subdirectory. The path of the subdirectory should be: X:\Powermap\Photo\ where 'X' is your device's onboard or external memory.



## Powermap Guide



The travel guide function displays detailed description, pictures, locations, ratings of the recommended hotels, restaurants and other attractions.

Tap the icon to browse a list of places. Narrow the search range by selecting a State or just select **All Range**.



Figure 39 - Search Range by State

You can browse the list by selecting a category or view the full list by selecting **All Types**.



Figure 40 - Search Range by Category




Figure 41- List of Travel Guides

Tap on any list to view full details of a place and a new menu will appear.



Figure 42 - Example of a Travel Guide

The photo of a place can be enlarged by tapping on the picture. If there is more than one picture available, you can navigate to the next picture by tapping on the  button.

View the place in the map by using the **Map View** button or navigate to the place by selecting **GO!**

## Navigation



To enter the navigation mode, tap on the **NAVI** icon.



Figure 43 - Navi screen



Figure 44 - Navi options

**3D Mode:** This mode is used to display 3D Map Navigation.

**2D Mode:** This mode is used to display 2D Map Navigation.

**Text Mode:** This mode uses informative text as display without map.

**Add to Favorite:** Adds the current route to the Favorite

**Travel Computer:** This mode provides speed, time and other information.

**Stop Navi:** Stops the current navigation

**Road and POI Search:** Search for Road or POI using keywords

**Tollway Preferred:** Route using tollway where available

**Shortest Distance:** Route using the shortest distance

**Tollway Avoided:** Route without entering any Toll roads.

**Split View:** This option will enable both Text and Map view.

**Mute:** This mode is used to disable the voice navigation.



Figure 45 - 3D Mode



Figure 46 - 2D Mode



Figure 47 - Text Mode

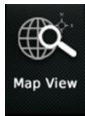


Figure 48 - Travel Computer



Figure 49 - Split View

## Map View



To view the map without navigation, use the Map View function. You can browse through the map by pan and zoom the screen.

The map is displayed in 2D mode. All POIs and Roads are selectable and you can quickly navigate to the place by tapping to the 'GO!' button.



Figure 50 - Map View

There are a few options which are accessible by tapping the **Function** button.



Figure 51 - Map View Functions

Below is the list of functions available:

1. **Save to Favorites:** Save selected point as Favorites.
2. **Map Settings:** Set the desired information to be displayed in the map
3. **Coordinates:** Key-in coordinates to go to the location.
4. **Current Position:** Display current GPS position.
5. **POIs Nearby:** Displays a list of all POIs within 10 km radius from the current position.
6. **Move to a district:** Move map view to a selected Town.

## Routing



This function is used to set the routing options or to modify the current active routing. There are two modes of this function where both modes are distinguished by different icons.



If no active navigation or no route has been created, by default this function will bring you to the Routing Options where you can set the preferred routing method: “**Tollway Preferred**”, “**Shortest Distance**” or “**Tollway Avoided**”



Figure 52 - Routing Options

From this menu you can also add a new route by tapping on the **Route Adjustment** button.

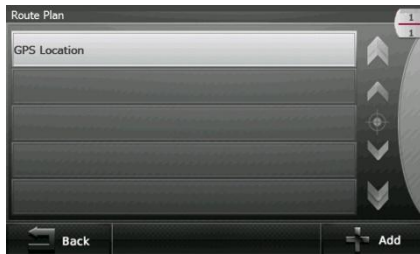


Figure 53 - Route Adjustment

To add a new location, tap the **Add** button. You can add a location based on a Road search, POI search, Favorites or from the History.



Figure 54 - Set Point as Start, Via or Destination

Set the point to be the “**Start**”, “**Via**” or “**Destination**”.



Figure 55 - Route Plan after setting the Start and Destination points

After adding the location(s), tap the **Back** button to start navigate or tap **Simulation** to simulate the route plan.

## Exit



From the main menu, tap on this icon to exit the software.

*\* NOTE: The “Stand By” button is not available on On Board Unit / In-Car Dashboard Monitor*



Figure 56 - Exit menu

Tap the “Exit Program” button to exit and return to your device’s main interface or tap “Stand By” to put the device on standby mode. By putting the device on standby, the software can be readily accessible during the next device power up.