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FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Typographical conventions

It is important to understand the terms and typographical conventions used in this User Guide.

Format

The following format used in this User Guide:

Conventions	Information
Bold	The components or terms displayed on screen

Terms

Terms	Descriptions
Press	Press and release a button quickly
Select	Select an item in a list or a component from menu
Tap	Press and release an item quickly displayed on screen
Tap and hold	Tap and hold an item displayed on screen for 2 or 3 seconds

Important safety information

PLEASE READ THIS CAREFULLY BEFORE USING HATCHBACK IN YOUR VEHICLE!

- It is your responsibility to place the Hatchback securely on your vehicle.
- Mount the Hatchback in a position that is secure, does not obstruct the driver's view and will not obstruct you from leaving your vehicle in the event of an accident.
- Do not operate the Hatchback while driving.
- You'd better familiarize yourself with your device and its operation before using it.
- Keep the Hatchback cool. Out of direct sunlight.

AC adapter safety information

- Use the AC adapter supplied by Group Sense PDA Ltd. as an accessory to charge your Hatchback; use other adapter may result in serious damage.
- Never use the adapter if the plug is damaged.
- Never touch the adapter if your hands/feet are wet.
- Do not expose the adapter to water, it may cause electrical fires.
- Allow sufficient ventilation around the adapter when using it to operate your Hatchback or charge the internal battery.
- Do not repair the adapter yourself for your safety.

Internal battery safety information

- The internal battery is a non-replaceable internal lithium-ion polymer battery. It may explode if mishandled. To reduce the risk of fire or burns, do not disassemble, crush or puncture the battery.
- Recycle or dispose of the battery safely and properly according to local laws and regulations. Do not dispose of the battery in fire or water.
- Only use the correct AC adapter (sold separately) or in-vehicle adapter supplied by Hatchback to charge the internal battery.

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Welcome

Thank you for using Hatchback navigation system, a global navigation system for vehicles. It utilizes the GPS (Global Position System) technology. This software will bring you with a pleasant driving experience more convenient, more comfortable.

This User Guide will guide you throughout the operation of your Hatchback step by step. Please read this User Guide carefully before using your Hatchback for the first time, and keep this Guide for future reference.

Getting to know your Hatchback

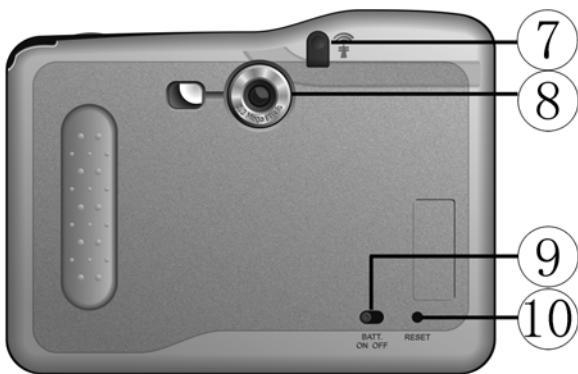
We strongly recommend that you familiarize yourself with the Hatchback.

Front components



	Component	Description
1	Battery indicator	Indicate the level of Internal battery charge
2	Power button	Press to turn Hatchback on/off
3	Menu button	Press to access the main menu
4	Destination button	Press to access the Maps application
5	Volume button	Press to set the volume level
6	Speaker	

Back components



	Component	Description
7	GPS receiver	Receive signals from GPS satellites
8	Camera	Camera lens
9	Battery lock	Set it on for normal use; switch to off to cut internal battery connection
10	Reset hole	Use stylus to reset the Hatchback

Up components



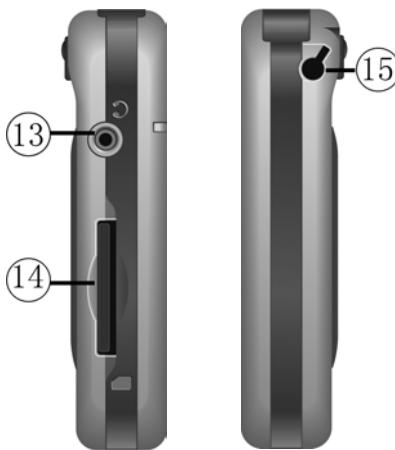
	Component	Description
11	Camera button	Turn camera on; press to take a photo

Bottom component



	Component	Description
12	Charging socket	Connection socket for AC power

Side components



	Component	Description
13	Earphone	Connection socket for earphone
14	External card slot	Slot for memory card
15	Stylus slot	Slot for stylus

Internal battery

The Hatchback has an internal battery, the battery indicator lights on the front of the Hatchback indicates the level of internal battery charge:

- Green - Battery full
- Red - Battery low
- Orange- Battery charging

Charging battery

- To charge the Hatchback using an electrical wall outlet, plug the AC power cable into the charging socket on the bottom of the Hatchback and the AC power pack into the wall outlet.
- To charge the Hatchback in a vehicle, plug the vehicle power adapter into the charging socket on the bottom of the Hatchback and the end into the vehicle power socket.

Inserting/removing external card

You can copy photos and songs saved in your computer to the external card.

Inserting external card

- Insert the card with the metal contact facing upwards into the card slot as illustrated below.



Removing external card

- Press the inserted card to release and then remove card.



Input methods

This chapter will guide you to the basic operation of input methods.

Using input methods

To activate an application that information needed (e.g., **Photo Viewer**)

1. Select a photo in the thumbnail view of **Photo Viewer** to the full view screen.
2. Tap  to view the information of the selected photo.
3. In the **Photo Information** screen, tap  to show the input panel; tap it again to hide the input panel.
4. Enter characters.

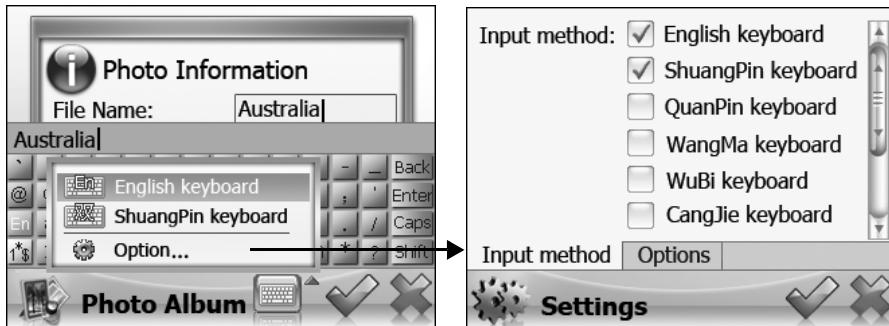


Input methods options

There are several input methods for you to enter letters when you edit photo information.

Selecting input methods

1. In the **Photo Information** edit screen, tap  on the upper right corner of  to select **Option**.
2. Select the input method you need from the list. (**Attention: The input method can not be left blank, you must select one at least.**)
3. Tap  to save.
4. The selected input method will be displayed in the popup menu when tap .



Options selection

1. In the **Settings** screen, select **Options**.
2. Set the related option, tap  to save.

TURBODOG navigation system

Quick reference

This chapter gives you a brief introduction how to navigate using TURBODOG while you drive. Before we explore all detailed functionalities provided by this application, you have to make sure that:

- Your TURBODOG is firmly mounted on your car.
- TURBODOG searches for positioning information from three satellites and your position is oriented when the application starts.

Cold start & Warm start

When you use GPS receiver for the first time, it may take up 2-15 minutes to secure satellite information and orientate accurate position (Cold start). Your position fix is stored in the memory. For subsequent use of GPS receiver, it only takes up 1-3 minutes to locate your position (Warm start). Once your position is fixed by GPS receiver, the system starts navigation immediately without any extra operation when you start the application.

Getting started

1. Turn on TURBODOG.
2. To tap on Maps icon to start TURBODOG navigator.



3. To enter Greeting page and main menu page.



Icon description on main menu



1. : to enter Destination Search menu to select a destination. The application starts navigation once a destination is specified (for detail, please refer to Chap.3)
2. : to navigate you home
3. : to add new POIs or to edit the existing POIs, e.g. modify/delete address, telephone number, etc (refer to Chap.4.4 for detail)

4.  : to edit a list of destinations currently defined, e.g. delete or search for a destination specified previously (refer to Chap.4.2 for detail)
5.  : to view property information of various geographic location on the map and carry out operations on these locations, e.g. zoomin/out, shift map, day/night display mode switch, 2D/3D view mode switch. There are three different way of viewing the map:
 - (1) To view the property of each geographic location on the map shown on screen.
 - (2) To view property of every geographic location within a radius of 2 km of the map center.
 - (3) To enter OPTION function to view the map display mode of every geographic location (refer to Chap.4.3 for detail)
6.  : to enter System Settings menu (refer to Chap.7 for detail)
7. Satellite signal indicator: to show the status of satellite and the number of satellites from where satellite signal is received (green represents GPS is positioned).
8. current date: to display current date.
9. current time: to display current time.
- 20 10.to end navigation and exit the application.

11. The indictor of TMC reception:

Grey indicates RDS-TMC disconnected;

Red indicates there is no TMC message;

Red-green flash indicates there is a new TMC message.

Icon description on navigation



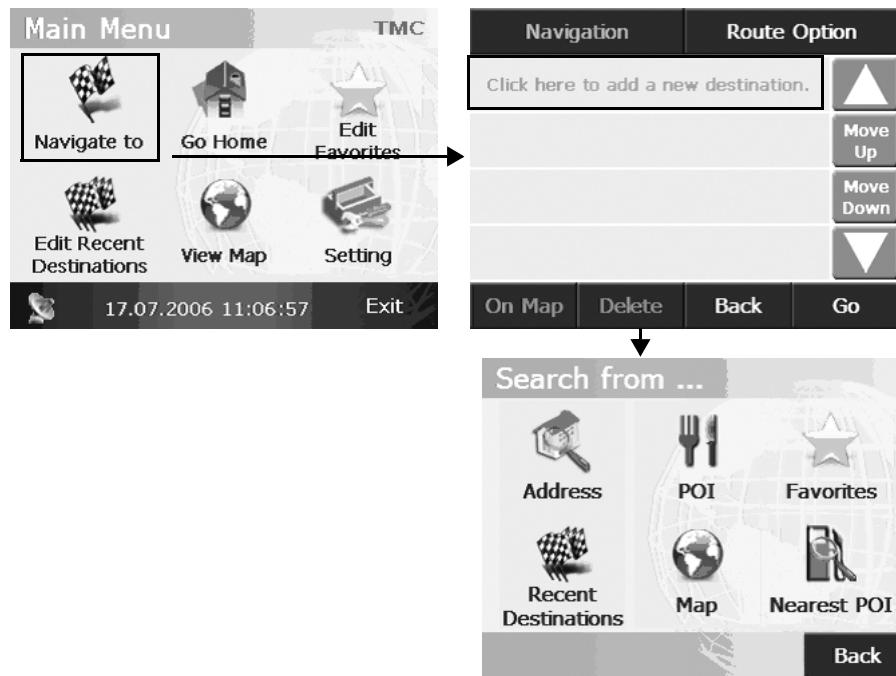
- 1. Orientation indicator:** to show current position and driving direction of the vehicle (floating point)
- 2. Proposed driving route:** to show a proposed driving route
- 3. Turn guide:** to show the diagram of next turn
- 4. Street info zone:** to display the name of the street you are entering

5. **Distance to the next turn:** to display the distance between your current position to the next turn
6. **Driving speed:** to display current driving speed
7. **Journey info zone:** to display total distance to the destination
8. **Satellite signal status bar:** to display the status of satellite and the number of satellites from where satellite signal is received
9. **Arrival time:** to display the estimated time of arrival destination
10. **The indicator of TMC reception:** Grey indicates RDS-TMC disconnected; Red indicates there is no TMC message; Red-green flash indicates there is a new TMC message.

Start navigation - where do you want to go?

In this chapter, you will learn how to setup a destination, calculate a proposed route and start navigation after TURBODOG is activated.

From Start Menu to launch TURBODOG and enter Main Menu, click on “Navigate to” to enter “Managing navigation” page. tick on “add a new destination” (Squared in red as shown in picture 3.2) to enter “Destination Search“ page shown in picture 3.3.



Setup a destination

TURBODOG provides six searching methods to setup a destination by taking different types of destinations into account.

Setup destination by address

For example: NO. 1, 34th St, New York



1. In "Search from", select "Address" to enter "Address Search" page shown in picture 3.5.

Search" page shown in picture 3.5.

A screenshot of the "Address Search" screen. It has fields for "City" (Douglas), "Post Code", "Road", "House No.", and "Crossroad". At the bottom are buttons for "On Map", "Cancel", and "OK".

2. Click on "city" in "Address Search" page to enter "country and city selection" page as shown in picture 3.6 to select a country or city.

City: | **ALASKA**

A	B	C	D	E	F	G	H
I	J	K	L	M	N	O	P
Q	R	S	T	U	V	W	X
Y	Z		Del	ÄÖÜ	Cancel	OK	

3. In picture 3.6, the current country selected is Österreich. To change a different country, e.g. from "Alaska" to "New York", you can click on "New York" squared in red as shown in picture 3.6 to enter another page as shown in picture 3.7.

Country: | **ALASKA**

NEW HAMPSHIRE	NEW JERSEY	NEW MEXICO	NEW YORK
A	B	C	D
I	J	K	L
Q	R	S	T
Y	Z		Del

4. in picture 3.7, Turbodog shows a list of available countries for selection. In our case, we select "New York";

5. after selected the country, click on "OK" to return to "city selection" page shown in picture 3.8

City: New York | **NEW YORK**

New York	New York Mills		
A	B	C	D
I	J	K	L
Q	R	S	T
Y	Z		Del

6. Once country is selected, you can specify a city to search. Enter the name of (or part of) of the city in City text box, Turbodog automatically lists all cities matching your criteria for your selection. Highlight the name of the city you are searching for and click

7. click on "OK" to return to "Address search" page.

Address Search		
City:	New York	Post Code
Road:		
House No.:		
Crossroad:		
On Map	Cancel	OK

Post: 10016	NEW YORK						
10016							
<input type="button" value="▲"/> <input type="button" value="▼"/>							
1	2	3	4	5	6	7	8
9	0	!	@	#	\$	%	&
()	,	.	;	'	-	+
/	*		Del	ABC	Cancel	OK	

Address Search		
City:	New York	10016
Road:		
House No.:		
Crossroad:		
On Map	Cancel	OK

8. in picture 3.9, click on “POSTCODE” (squared in red) to enter “postcode search” page shown in picture 3.10.

9. specify the postcode you want to search for, Turbodog automatically lists all postcodes matching your criteria. Locate the one you are searching for and click on it.

10. and then click on “OK to return to “Address Search” page. The postcode selected is shown in postcode field next to city name.

* if the postcode entered mismatch the city you are searching for, the system will show the city corresponding to the postcode you specified.

11. click on “road search” to enter “road search” page.

Start navigation - where do you want to go?

Road: 3

34th St
3rd Ave

1 2 3 4 5 6 7 8
9 0 ! @ # \$ % &
() , . ; ' - +
/ * Del ABC Cancel OK

Road: Frankens

12. Enter the name of (or part of) the road, Turbodog automatically lists all roads matching the searching criteria.

Road: 34th St

34th St
3rd Ave

1 2 3 4 5 6 7 8
9 0 ! @ # \$ % &
() , . ; ' - +
/ * Del ABC Cancel OK

13. Highlight and click on the name of the road and click on "OK" to return to "Address Search" page.

Address Search

City: New York 10016

Road: 34th St

House No.:

Crossroad:

On Map Cancel OK

14. After specifying the name of the road, click on street number field, Turbodog enters "street number search" page.

No.: 1							
1 - 99				2 - 98			
 							
1	2	3	4	5	6	7	8
9	0	!	@	#	\$	%	&
()	,	.	;	'	-	+
/	*		Del	ABC	Cancel	OK	

15. Enter the street number, Turbodog automatically shows the location of this address and enter “Address Search“ page.

8. Click on “OK“, Turbodog returns to “managing navigation“ page.

Address Search			
City:	New York	10016	
Road:	34th St		
House No.:	1		
Crossroad:			
On Map		Cancel	OK

Address Search			
City:	Hamburg	Post Code	
Road:	Frankenstraße		
House No. :	3		
Cross Road:			
On Map		Cancel	OK

9. Once a destination is setup successfully, TURBODOG automatically returns to “Managing Navigation“ page and displays the address in destination list.

In “Managing Navigation“ page, you can click:

- **Go:** to start navigation
- **On map:** to verify the address as your destination

- **Delete:** to delete the destination
- **Back:** to return to main menu

Navigation	Route Option
1) No.1, 34th St, New York	
Click here to add a new destination.	Move Up
	
	Move Down
On Map	On Map
Delete	
Back	
Go	Go

Setup destination by intersection



1. in “destination search“ page, click on “  Address ” to enter 3.10

Start navigation - where do you want to go?

Address Search			
City:	New York		Post Code
Road:			
House No.:			
Crossroad:			
On Map		Cancel	OK

Road: 5th Ave							
59th Street Brg							
5th Ave							
5th Ave Approach							
<input type="button" value="▲"/> <input type="button" value="▼"/>							
1	2	3	4	5	6	7	8
9	0	!	@	#	\$	%	&
()	,	.	;	'	-	+
/	*		<input type="button" value="Del"/>	<input type="button" value="ABC"/>	<input type="button" value="Cancel"/>	<input type="button" value="OK"/>	

Address Search			
City:	New York		Post Code
Road:	5th Ave		
House No.:			
Crossroad:			
On Map		Cancel	OK

2. Click on text input box of Road to enter “road search” page.

3. enter the name of (or part of the name of) the road in text box on the top, Turbodog automatically lists all names of the roads matching your searching criteria.

4. Click on “intersection” text box to enter intersection search page. Turbodog automatically lists all roads which intersects with the road you specified.

Start navigation - where do you want to go?

Cross: 5th Ave Approach

34th St	
5th Ave Approach	
65th St Transverse	
79th St Transverse Rd	

A	B	C	D	E	F	G	H
I	J	K	L	M	N	O	P
Q	R	S	T	U	V	W	X
Y	Z	Del	ÄÖÜ	Cancel	OK		

5. Select the road in the list and then press "OK" to return to "Address Search" page. The road you selected is displayed in "intersection" field.

Address Search

City:	New York	Post Code
Road:	5th Ave	
House No.:		
Crossroad:	5th Ave Approach	
On Map	Cancel	OK

6. When destination is setup successfully, TURBODOG automatically returns to "managing navigation" page and displays the destination in the destination list.

Navigation	Route Option
1) 5th Ave * 5th Ave Approach, New York	
Click here to add a new destination.	
	
On Map	Delete
Back	Go

7. Click on Go to start navigation.

Setup destination by POI

For example: Ansonia Station



1. In "destination search" page, click on "POI" to enter "POI category" page as shown in picture 3.26.



2. Click on "All POI" to select the type of POIs. Turbodog automatically enters "POI search" page.

3. In "POI search" page, click on "Name" text box to enter "POI input" page.

Start navigation - where do you want to go?

Name: Ans

ANSONIA FINANCE STATION							
ANSONIA STATION							
MARY HELP OF CHRISTIANS							
TRANSFIGURATION SCHOOL							
A	B	C	D	E	F	G	H
I	J	K	L	M	N	O	P
Q	R	S	T	U	V	W	X
Y	Z	Del	ÄÖÜ	Cancel	OK		

4. Enter the name of (or part of the name of) the POI in “Name“ field on the top, Turbodog automatically lists all POIs matching your criteria.

Name: ANSONIA STATION

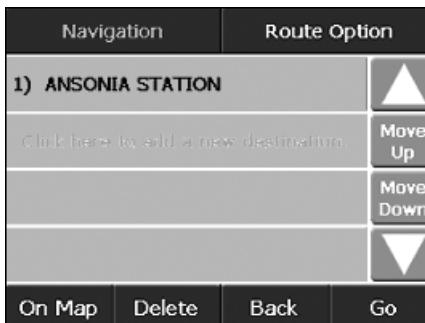
ANSONIA FINANCE STATION							
ANSONIA STATION							
MARY HELP OF CHRISTIANS							
TRANSFIGURATION SCHOOL							
A	B	C	D	E	F	G	H
I	J	K	L	M	N	O	P
Q	R	S	T	U	V	W	X
Y	Z	Del	ÄÖÜ	Cancel	OK		

5. Select the POI of your interest
6. Then click on “OK“, Turbodog returns to “POI search“ page.

POI Search - 1.All POI

City:	New York	Post Code
Name:	ANSONIA STATION	
Street:		
<input checked="" type="checkbox"/> ANSONIA FINANCE STATIO...	<input type="checkbox"/> ANSONIA STATION [Colum...	
<input type="checkbox"/> MARY HELP OF CHRISTIAN...	<input type="checkbox"/> TRANSFIGURATION SCHO...	
On Map	Cancel	OK

7. Click on “OK“ to end POI search.



8. When successful Turbodog automatically returns to “managing navigation” page. The destination you selected is listed in destination list.
9. Click on Go to start navigation

Setup destination by road of POI

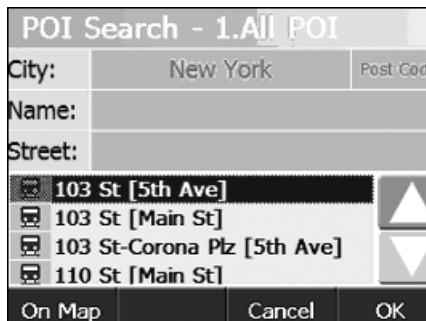


1. In “Destination Search” page, select “ POI” to enter “POI category” page as shown in picture 3.33.

Start navigation - where do you want to go?



2. Click on "All POI" to select the category of POI. Turbodog enters "POI search" page.



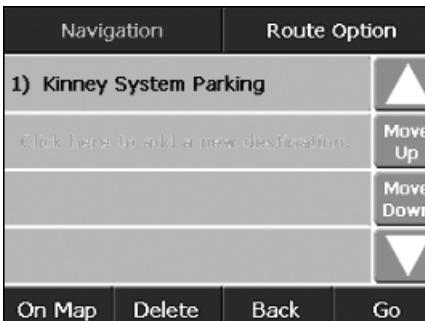
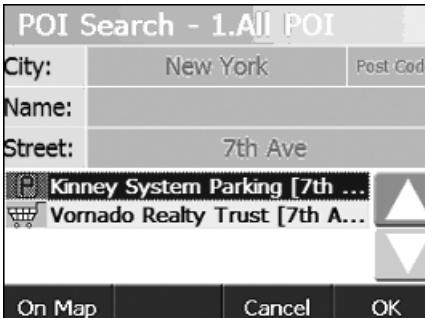
3. Click on "Street" to enter "Road Search" page.



4. Enter the name of the road, Turbodog lists all roads matching your criteria.

5. Select the one you wish to search and click on "OK"; the system returns to "POI search" page and the road you selected is displayed in Street field. All POIs along this road are displayed in POI list.

Start navigation - where do you want to go?



6. When successful, Turbodog automatically returns to “Managing Navigation” page and the road you selected is displayed in destination list as the destination.

7. Click on Go to start navigation.

Setup destination by Favorites

For example: Ansona Station



Navigation	Route Option
1) ANSONIA STATION	
Click here to add a new destination.	
On Map	On Map
Delete	Delete
Back	Back
Go	Go

1. In "Destination Search" page, select "Favorites" to enter "Favorites Search" page as shown in picture 3.39.
2. Select the one you want to set as destination in the list.
3. Then click on "OK" to end destination setup.
4. When successful. Turbodog automatically returns to "Managing navigation" page and display the destination in the destination list.
5. Click on Go to start navigation.

Search by nearest POI

(Within a radius of 2 km of the map center or GPS position fix)

For example: the nearest petrol station



1. In “Destination Search“ page, select “  “ to enter “POI search“ page as shown in picture 3.42.



2. Select the one you want to set as destination in the page.

3. Select “  “ to enter “Nearest POI search“ page as shown in picture 3.43.

Start navigation - where do you want to go?



4. Select your destination in the list

5. Then click on OK to confirm destination selection.

6. When successful. Turbodog automatically returns to "Managing navigation" page and display the destination selected in destination list.

7. Click on Go to start navigation.

Setup destination by recent destinations



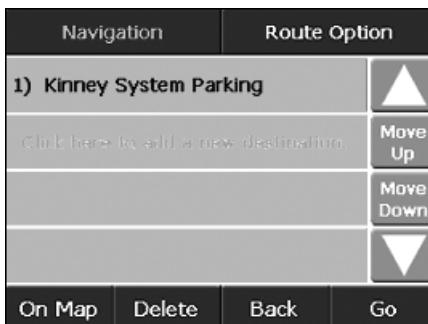
1. In “Destination Search”

page, select “  Recent Destinations ” to enter “Recent Destinations search” page as shown in picture 3.45.



2. Select your desired destination in the list.

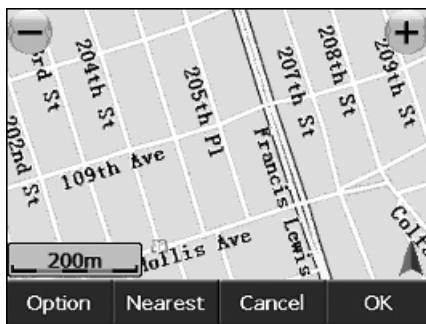
3. Then click on OK to end the destination setup.



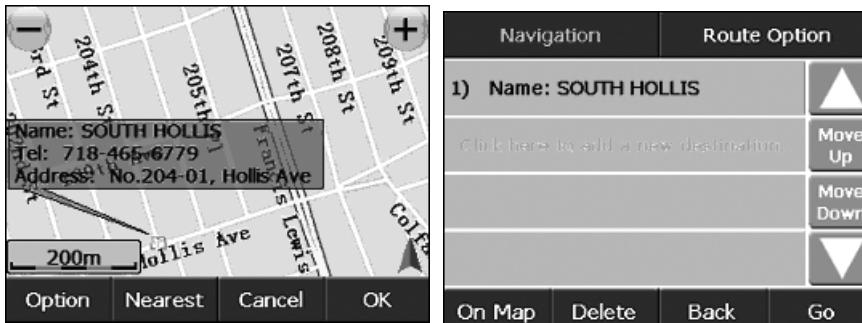
4. When successful. Turbodog automatically returns to “Managing navigation” page and list the destination selected in the destination list.

5. Click on Go to start navigation.

Setup destination in Map view mode



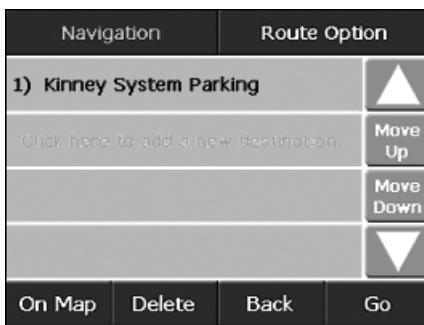
1. In "Destination Search" page, select "Map" to enter "Map view" page as shown in picture 3.48.
2. Click on screen to shift the map to the location where you want to setup as destination.
3. Set up destination directly on the map by clicking on the location of your desired destination and then press "OK".
4. When successful. Turbodog automatically returns to "Managing navigation" page and list the destination selected in the destination list.
5. Click on Go to start navigation.



Start navigation

Turbodog enables you setup 10 midway-point at the same time. The system calculates a proposed route according to the sequence of midway-point you specified and leads to the final destination. When you finish the operations of setting up a destination as described in Chap. 3.1, you can click on “Go” in “Managing navigation” page to enter “Map view” page. Once GPS signal is received and oriented, the system auto-calculates the route and start navigation.

Start navigation - where do you want to go?



1. After setting up destination and click on “Go“, Turbodog automatically enters “Map view“ page and waits for GPS signal as shown in picture 3.52.

* When you click on Go without setting up a destination, Turbodog automatically enters free-navigation mode



2. After GPS orientation, Turbodog automatically starts route calculation and navigates.

* You can press Cancel at any time before route calculation stops.



3. Start navigation.

Turbodog main menu

After launching Turbodog, it enters “Main Menu”. It provides six major functions. This chapter describes those functions in details.



- In Chap. 3, we have already described how to setup destination.
- **TMC** in Chap. 7, details on functions of TMC will be described.
- in Chap. 8, details on how to configure system settings will be described.

Go home

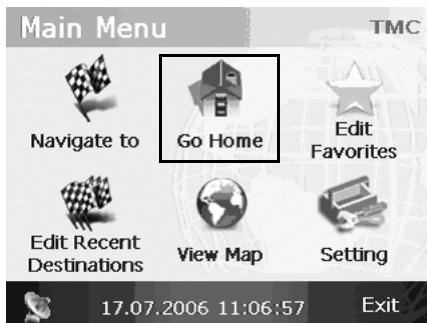
In Turbodog's main menu, click on



Turbodog will start

receiving GPS signals and enter navigation mode starting navigation.

*** Before using “Go home“ function, please specify the position of My Home.**



Set up my home

In Turbodog' main menu, click on



to enter “System Pref-

erence” page. On this page, click on



icon as shown in pic-

ture 4.5 to enter “Set home“ page, Turbodog provides six searching methods to setup home address.



Edit recent destinations

Turbodog allows you to edit up to 100 recently destinations through the function of Edit Recent Destination. This function lets you to view and delete any of recently destinations. Below, we will go through the steps on how to operate:



(1) View the position of recent destinations:

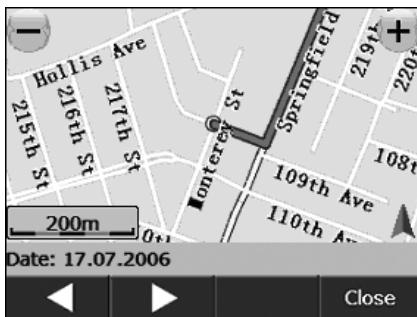
1. Click on  to enter "Recent Destinations" page.

Recent Destinations		
01	17.07.00 11:51	Queens Village
02	17.07.00 11:50	Kinney System Parking
03	17.07.00 11:49	Name: SOUTH HOLLIS
04	17.07.00 11:44	ANSONIA STATION
<input type="button" value="On Map"/>		<input type="button" value="Close"/>

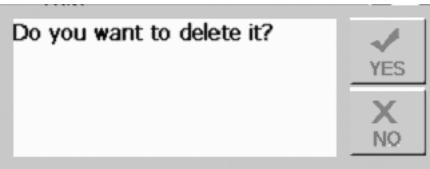
2. Select one of the destination from the list.

3. Click on **On Map**, the destination you have selected is displayed on map as shown in picture 4.8.

4. Click on **◀** or **▶** to view more information of all recent destinations.

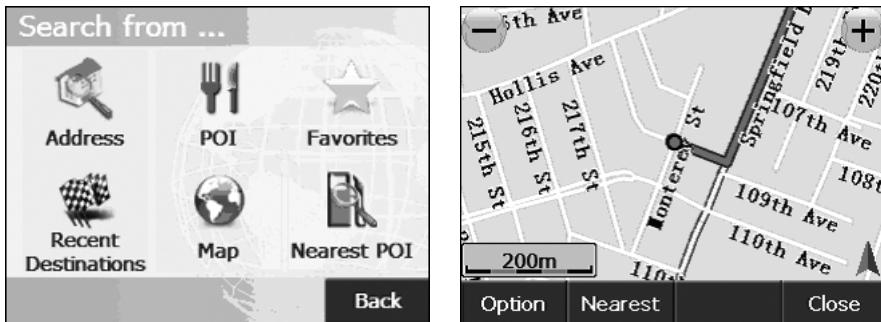


(2) Delete a recent destination
In “Recent Destinations“ page, select the one you want to delete and press  button, a dialog box pops up as shown below to let you confirm if you are sure to delete it.



Map view

The Map view provides following function:



If GPS signal is available, it will show your current position.

If GPS signal is not available, it will show last position.

(1) Shift map:

Click on screen to shift map on the screen.

(2) Zoom in/out map:

Click on “Zoom” button on the screen to zoom in/out map:

Click on  to zoom in the map

Click on  to zoom out the map

(3) View objects on the map

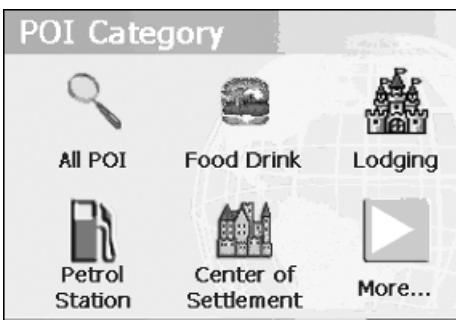


Click on any of objects on the map, the name of this object is displayed (See picture 4.12).

(4) Search for facilities nearby:

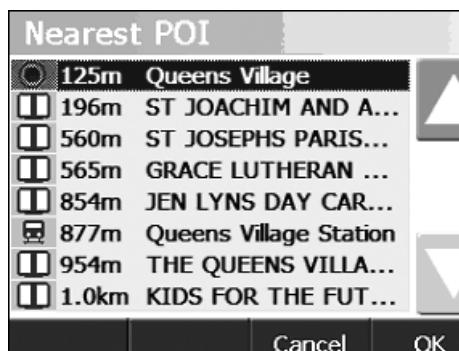


Click on “Nearest” key, it enters “Nearest POI” page. Turbodog will automatically list all POIs within a radius of 50 km of the map center.

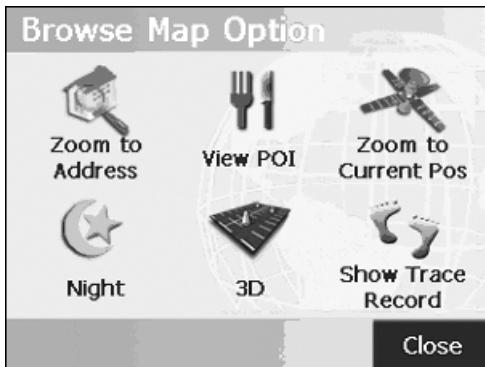


1. Select the one you want to set as destination in the page.

2. Select “ ” to enter “Nearest POI search” page as shown in picture 4.15.



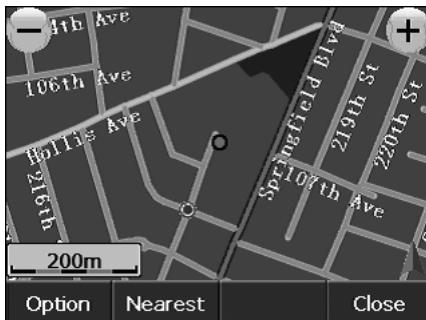
3. Click on **Option** key, Turbodog will let you to specify more options.



(5) Day/Night mode:

Click on “

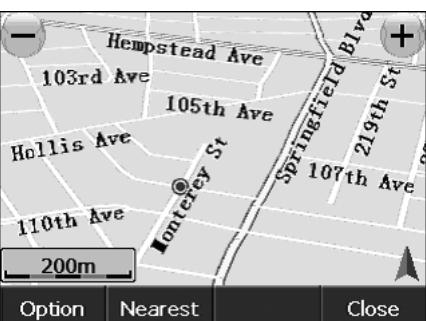
A screenshot of a map application in Day mode. The map shows a grid of streets with labels like 4th Ave, 106th Ave, Hollis Ave, 216th St, Springfield Blvd, 219th St, 220th St, and 107th Ave. A scale bar indicates 200m. At the bottom, there are buttons for 'Option', 'Nearest', and 'Close'. In the top right corner, there is a small icon of a sun with a smiley face.



(6) 2D, 3D mode:

Click on “

A screenshot of the map application in 2D mode. The map shows the same street grid as the previous screenshots. A scale bar indicates 200m. At the bottom, there are buttons for 'Option', 'Nearest', and 'Close'. In the top right corner, there is a small icon of a 2D map with a grid pattern.



(7) Display current position:

Click on “ “ key, Trubodog will zoom to current GPS position.

(8) POI search:



Click on “ “ key to search for a POI.

(9) Address search:

Address Search		
City:	New York	Post Code
Road:		
House No.:		
Crossroad:		
On Map	Cancel	OK

Click on “ “ key to search for an address according to the information you specified.

(10) Show trace record:



Click on “**Show Trace Record**” key to show trace records.



Edit favorites

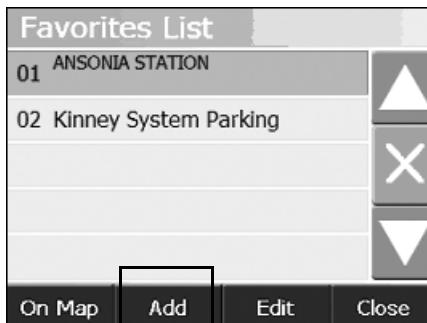
Turbodog allows you to bookmark your favorites. These frequently used favorites can be configured as start point or destination of a journey. Below we describe the steps how to operate:

(1) Add new favorites:

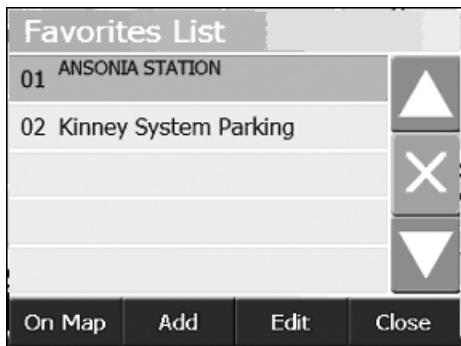


1. In Turbodog's main menu, click on key to enter "Favorite list" page as shown in picture 4.25

2. Click on key in this page to enter the page as shown in picture 4.26. There are six way of adding a new favorite. Please refer to Chap. 4.1 and Chap. 4.2 for details.

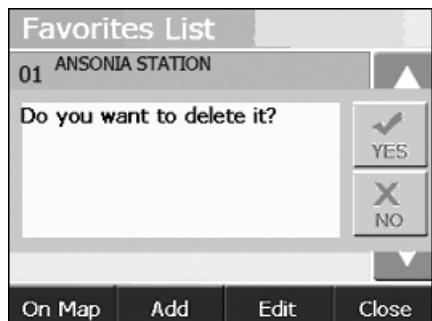


(2) Delete My Favorite:



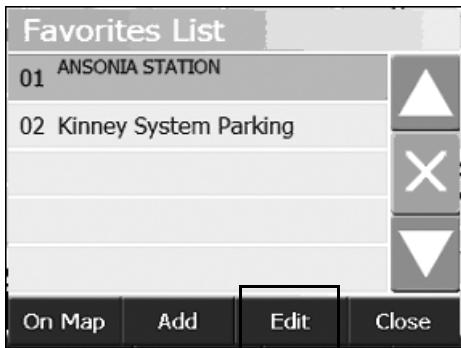
1. In Favorite list page, select the one you wish to delete.

2. Click on **X** key, a dialog box pops up to let you confirm if you are sure to delete it (See picture 4.28).



3. If you select “Yes”, the favorite is deleted. If not, the operation is cancelled and returns to “Favorite list“ page.

(3) Edit My Favorite:



1. In “Favorite list“ page, select the one you wish to edit.

2. Click on **Edit** key to enter “Favorite edit“ page as shown in picture 4.30.

Favorites Edit

Name:	ANSONIA STATION	
Address:		
Tel:		
Note:		
Location:	Lon:-73.980710; Lat:40.77	
		Cancel OK

3. Click on the field you wish to edit to activate virtual key board as shown in 4.31.

Favorites Input

Name: anubis hamburg							
A	B	C	D	E	F	G	H
I	J	K	L	M	N	O	P
Q	R	S	T	U	V	W	X
Y	Z	Del	123	Cancel	OK		

Name:							
ANSONIA STATION							
A	B	C	D	E	F	G	H
I	J	K	L	M	N	O	P
Q	R	S	T	U	V	W	X
Y	Z		Del	ÄÖÜ	Cancel	OK	

Manage navigation

Turbodog allows you to select configurable tools which enables you to start free navigation (without specifying any destination) to 10 destinations, specify 4 driving methods and set 2 routing parameters. Also it provides you with 2 features of navigation and route view. This lets you use the system any where any time. Below we describe the detailed operations:

In main menu, click on  icon to enter “Managing Navigation” page as shown in picture 5.2.



Navigation	Route Option
1) No.1, 34th St, New York	
Click here to add a new destination.	
	
	
On Map	On Map
Delete	Move Up
Back	Move Down
Go	Go

Navigation and route plan

In “Managing Navigation“ page, click on **Navigation** button or **Route Plan** button to switch between 2 modes.

Navigation	Route Option
Click here to add a new destination.	
	
	
	

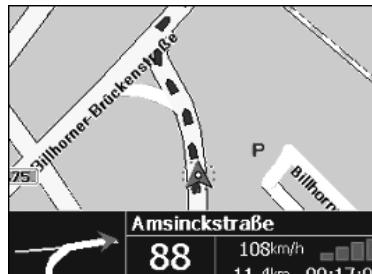
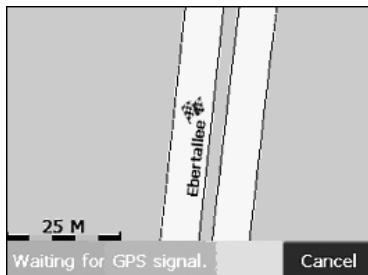
On Map **Delete** **Back** **Go**

Route Plan	Route Option
Click here to set the starting point.	
	
	
	

On Map **Delete** **Back** **Go**

Navigation mode **Navigation** :

Turbodog allows you to specify up to 10 destinations. After specifying a destination, click on **Go** button, Turbodog will wait for GPS to finish positioning. Once position is fixed, it will calculate a route and start navigation. When clicking on Go without specifying destination, you can also start free navigation.



Route plan mode

Route Plan

:

Route Plan	Route Option
S) Queens Village	
1) Kinney System Parking	
Click here to add a new destination	
On Map	
Delete	
Back	
Go	

1. Turbodog allows you specify 9 destinations at most and 1 start point. After setting up start point and destinations, click on **Go** button, Turbodog will enter “Routing” page as shown in picture 5.7 to start routing.

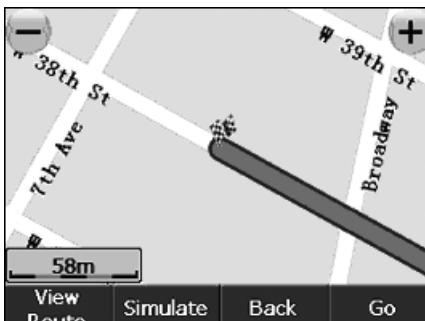
* **Note:** In route plan mode, when you move to any candidate destination, this destination will become start point of route.



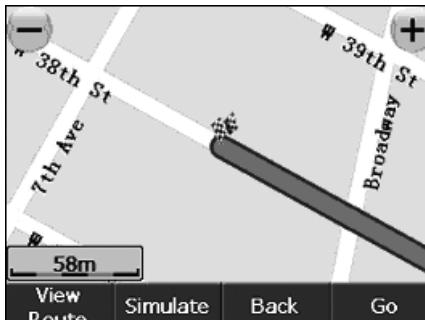
2. After routing, it enters to “View Route” page as shown in picture 5.9 to allow you to view entire route. You can operate on map to view proposed route, navigation simulation and start navigation. Turbodog will start navigation after 10 seconds if there is no action detected.



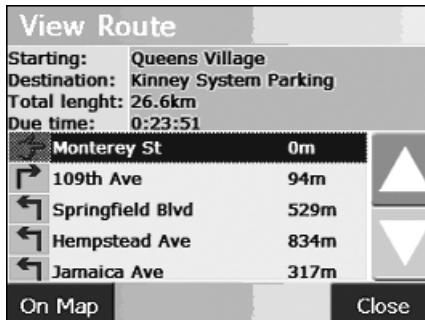
Manage navigation

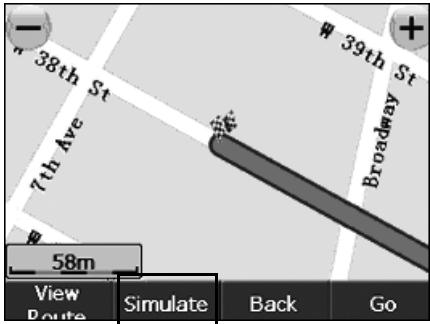


(1) Click on map to enter map shift mode. This enables you to view proposed route.

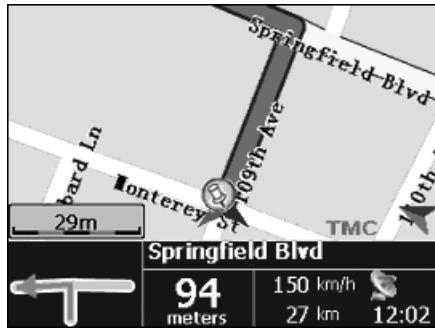


(2) Click on **View Route** button to enter entire route view.





(3) Click on **Simulate** button to start simulation as shown in picture 5.14.



Specify route parameters

Turbodog's tool provides 4 driving methods and 2 types of routing parameters to satisfy different navigation needs.

In “Managing Navigation” page. click on **Route Option** key to enter “Route Option” page as shown in picture 5.15.



(1) Driving method

Fast car mode Car (fast)

Slow car mode Car (slow)

Bicycle mode Bicycle

Pedestrian mode Walker

(2) Routing mode

Quickest route Quickest Route

Shortest route Shortest Route

(3) Routing parameter

High way: preferred HighWay not preferred HighWay

Ferries: preferred Ferries not preferred Ferries

Manage destination

Turbodog allows you to specify up to 10 destinations and 1 start point.

(1) Add new destination/start point

Navigation	Route Option
Click here to add a new destination.	
	
	
	
On Map	Delete
Back	Go

Navigation mode:

Click on

 to

enter “Destination Search“ page to specify destination.

Route Plan	Route Option
Click here to set the starting point.	
	
	
	
On Map	Delete
Back	Go

Route plan mode:

Click on

 to

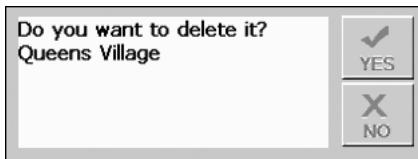
enter “Destination Search“ page to specify start point.



(2) Delete destination

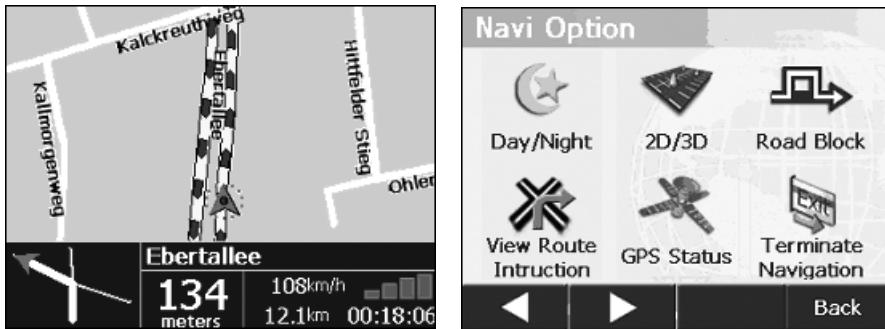
Route Plan	Route Option
S) Queens Village	
Click here to add a new destination.	
On Map	
Back	
Go	

Click on the one you wish to delete, and press **Delete** key. A confirmation box pops up.



Navigation

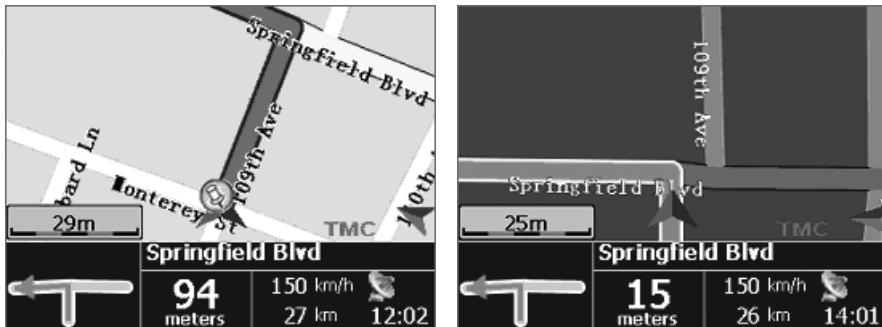
Turbodog provides six functions in navigation or Simulation mode. Click on screen to enter “Navi Option” page as shown in picture 6.2. If there is no action detected for 5 seconds, the system returns to navigation page.



In Navi Option page, it provides following functions:

(1) Day/Night mode switch

Click on  or  key, it switches display mode between Day and Night mode.



(2) 2D/3D mode switch

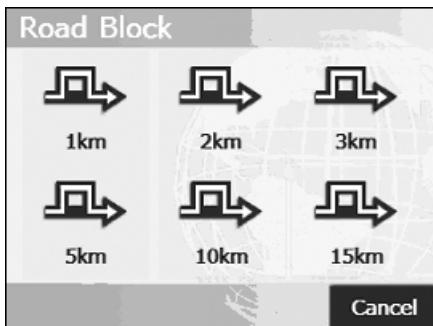
Click on  or  key, it switches display mode between 2D and 3D mode.



(3) Detour

In Navi option page, click on  icon to display “Detour option” page as shown in picture 6.7.

When traffic jam, you can estimate the distance to the blocking point and select an appropriate option, Turbodog will calculate a detouring route.



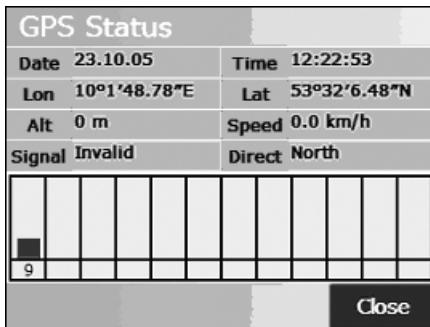
(4) View entire route



In Vavi option page, click on

 key to display entire route in map view mode as shown in picture 6.8.

(5) GPS status



In navi option page, click on  icon to display GPS status page as shown in picture 6.9.

(6) Teminate nabigation

In Navi option page, click on  icon to teminate navigation and return to main menu page.

Auto-routing

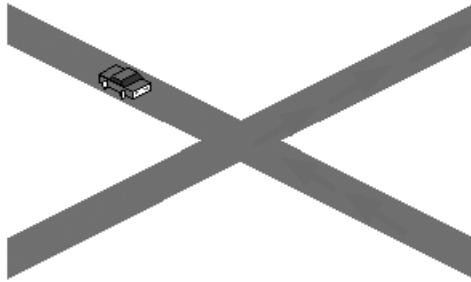
With consideration of driving safety, Turbodog provides auto-routing function. This feature executes under two circumstances:

Auto starting navigation: after setting up destination, click on

 icon in “Managing navigation” page, Turbodog will automatically start navigation. Below we describe the procedure:

1. Proceed to the next step if GPS receiver has received signals from all of three GPS satellites and finished position orientation. Otherwise, keep waiting for GPS signals;
2. Set current GPS position as start point and the destination you have set as the destination of the journey, use "Optimal route" as default parameter of route calculation and start navigation after routing.

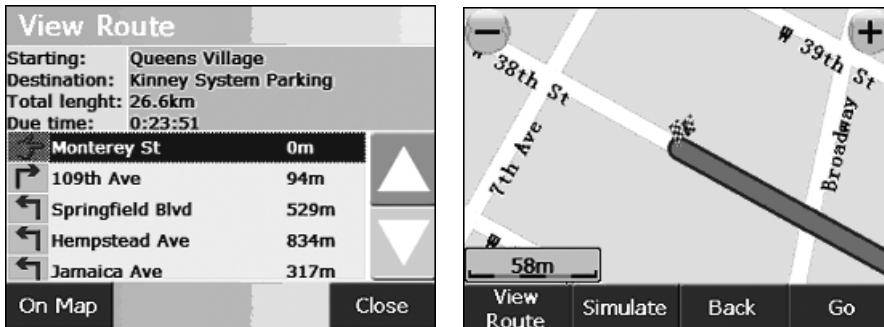
Auto re-routing: if you have accidentally missed a proposed turning point about 100 meters, Turbodog will activate re-routing module to calculate a new route. It takes about 10 seconds to re-calculate a new route depending on the distance between your current position to destination. The far, the longer time needed to re-calculate. This guarantees you will never lost.



Entire route view

This feature enables you to view entire route after route calculation in the course of navigation.

Route description: each description contains 4 elements including street name you are on, driving distance, turn method and street name you are entering. For example: drive along “Ang Mo Kio Avenue“ for 257.5 meters and make a right turn to “Marymount Road“.



There are two methods to view entire route:

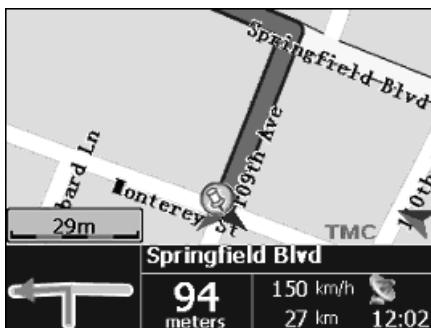
- After routing, click on **View Route** button as shown in picture 6.12 to enter “Entire route view“ as shown in picture 6.11.
- During navigation or simulation, click on anywhere on the screen to enter “Navi option“ page. In that page, click on  icon to enter “Entire route view“ as shown in picture 6.11.

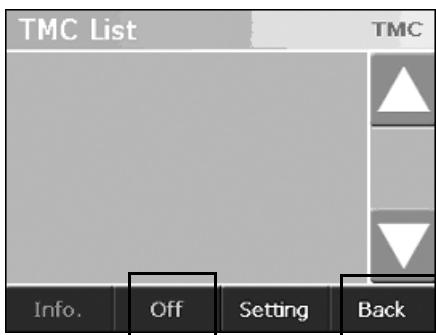
RDS-TMC traffic and travel information system

Turbodog is equipped with the function of RDS-TMC. This function enables to receive real-time traffic condition nearby and to show on the map. When there is an emergency on the route calculated, the system will prompts to recalculate a detour to avoid the traffic jam.

TMC turn on/off

After Turbodog started, the system will automatically connect to RDS-TMC device to receive TMC message. To turn off TMC message, please follow the instructions below:

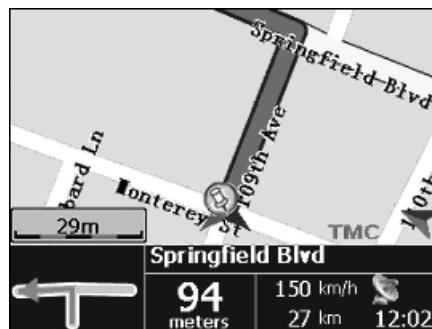




1. In main menu or Navigation screen, click on “TMC“ to enter the window shown in picture 7.3.

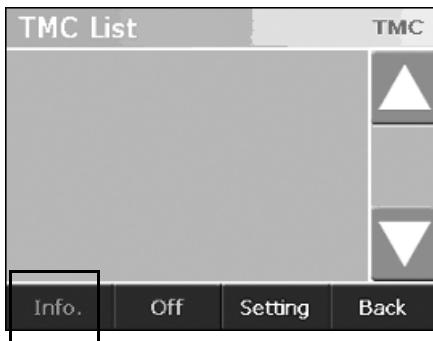
2. Click on “TMC off“ to turn off TMC message as shown in picture 7.4.

3. Click on Back, it returns to main menu or Navigation screen. The TMC status is in grey which indicates that TMC receiving is disabled.

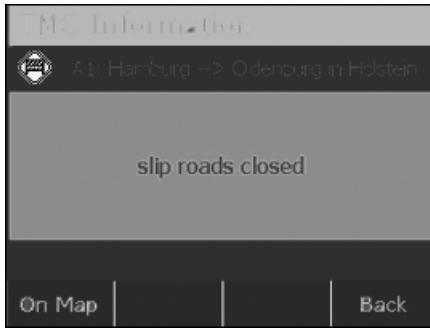


TMC messages

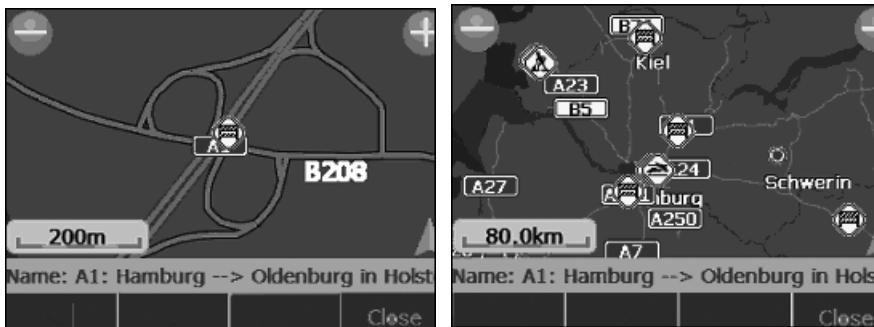
Once Turbodog received TMC message, it will be displayed literally and marked on the map. Follow the instructions below to view the TMC message:



1. Click on TMC in main menu or Navigation screen to enter as shown in picture 7.7.
2. Select the TMC message header and then click on Info to view the detailed message as shown in picture 7.8.



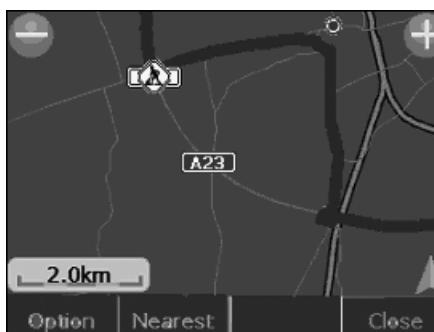
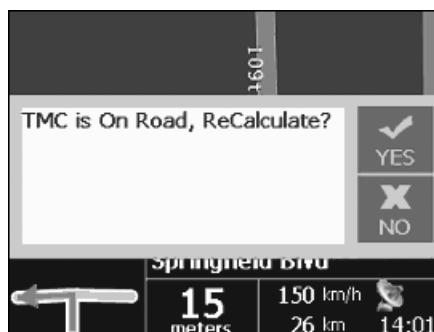
3. Click on On Map, it enters Map view window to show the location of a TMC message presented by an icon (For details, please refer to chapter 9.5) as shown in picture 7.9.



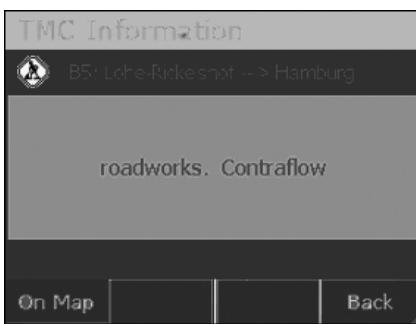
TMC rerouting

During navigation, Turbodog will re-calculate a detour to avoid the traffic jam if the traffic event is on the route of a previous route calculation.

1. Picture 7.11 indicates that you have completed a routing and destination setting, press Go to start.
2. During the navigation, Turbodog receives a TMC message indicating there is a traffic condition change on the route. As shown in picture 7.12, the system will prompt you if a detour calculation is preferred. Turbodog will calculate a detour and this prompt will not show if you selected Auto Detour calculation option in Navi Setup.



3. Picture 7.13 shows the result of a detour calculation. Picture 7.14 is the TMC message.

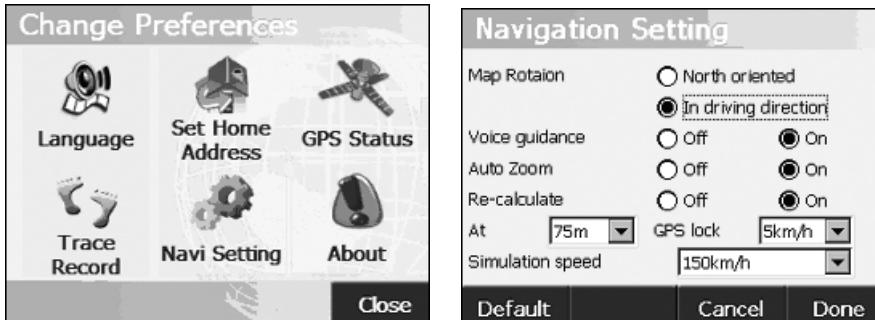


Change preference

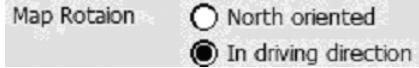
Navi setting

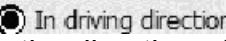
Turbodog provides a various styles in navigation mode. You can setup to use different styles in System Configuration window.

1. Press “Navi setting”  button in Turbodog main menu to enter “Navigation Setting” window.



2. “Navi Setting” as described below:

- i. Auto-map rotation  North oriented In driving direction

 In driving direction Turbodog will rotate map according to the direction of movement

North oriented This allows you to view driving conditions ahead and makes you always driving to the north.

ii. Voice prompt Voice guidance Off On :

On Turbodog will instruct you at each curving intersection with the provision of voice prompts.

Off Turbodog will not instruct you at each curving intersection with the provision of voice prompts.

iii. Auto-zoom in Auto Zoom Off On :

On Turbodog automatically adjusts the ao scale according to driving speed to provide you with better view of the map.

off Manually adjust mao scale.

iv. Diversion range of performing an auto-rerouting

Re-calculate Off On :

On When you divert from your track and the diversion exceeds the range you defined, Tibo will re-compute a route according to your current location and the destination. The larger range, the longer time is needed to perform a re-routing. However, you may encounter a more severe interference from GPS positioning signal with a smaller diversion range. The default value is 100m.

off Turn off “Re-calculate” function.

v. Simulated speed

Simulation speed

150km/h



This allows you to set a driving speed during a simulated trip. The ranges of simulated speed are 36KM/Hr, 72KM/Hr, 108KM/Hr, 144KM/Hr and 180KM/Hr, etc.

vi. GPS lock

GPS lock

5km/h



When your car is stopped or you drive the car very slowly, the cursor of GPS signal will folat on the screen. With this function, you can stop having “moving” or “floating” map when you drive at a speed which is slower than a pre-set value. The default value is 10KM/Hr.

vii. Deviation distance range

At

75m



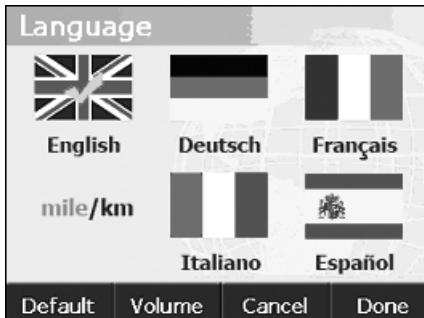
When your car drive on the road, the GPS positioning signal and your car will be deviations, you can choose the deviation distance range. The default value is 50m. The ordinary users don't need to change it.

3. After you configure the settings and press **Done**, Tibo will save the settings and return to main menu.
4. To restore a factory default value, press button **Default**.

Language

Menu for general system parameter settings allow you to set up language used for audio prompt, diver side and distance format.

1. Press  button in Turbodog main menu to enter “Language” window.

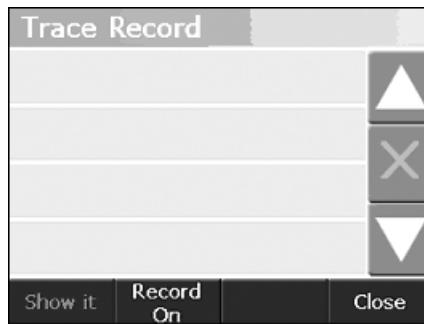


2. “Language“ page as described below:
 - i. Language: defines the language used for audio prompt.
 - ii. Distance Unites: defines measurement system, Metric or U.S.
3. After you configure the settings and press , Tibo will save the settings and return to main menu.
4. To restore a factory default value, press button .

Trave record

MyGuid logs all positioning information received from GPS receiver during navigation. It draws a trail of the track on map. This enables you to review the historic track information when you re-launch Tibo application at the next time. This function is very useful when you drive in rural areas such as **desert** or **forest**.

1. Press  button in Turbodog main menu to enter “Trace Record” window.
2. Press  button to turn on/off track logging while navigation.
3. Press  button to toggle the display of a selected track log file.



GPS status

Turbodog will check the status of GPS receiver and display the positioning information on the screen of your PDA. This feature of Tibo allows you to view the current usage of satellites, the number of satellites, the position of satellites and the signal strength of satellites, etc.

1. In navigation, click on screen enter “Navi option” page,

then press  button to enter “GPS Status” page.

2. Or in system menu, press  button to enter “GPS Status” page.

GPS Status	
Date	23.10.05
Time	12:22:53
Lon	10°1'48.78"E
Lat	53°32'6.48"N
Alt	0 m
Speed	0.0 km/h
Signal	Invalid
Direct	North

9

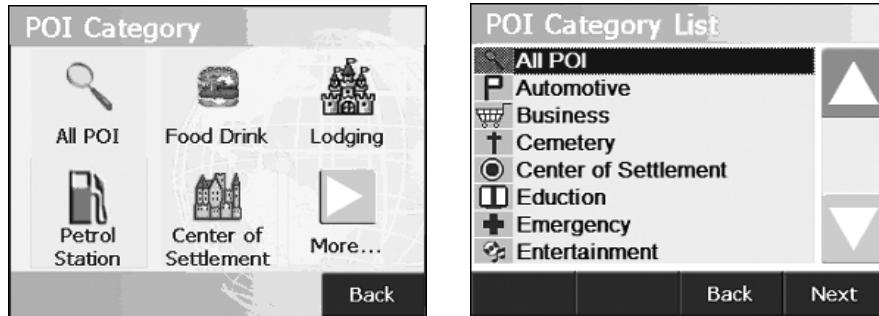
Close

3. In GPS Info. window, you are able to view the information of:
 - i. **The positon of satellites:** the relative orientation of satellites to current position fix.

- ii. **The signal strength of satellites:** the signal strength of satellites from which the signals are received.
- iii. **Positioning information:**
 - A. **Date:** the date of which a GPS position fix is received, e.g. 2004/08/30;
 - B. **Time:** the time of which a GPS position fix is received, e.g. 01:01:27;
 - C. **Longitude:** the longitude of GPS position fix, e.g. E 121/24/34.456;
 - D. **Latitude:** the latitude of GPS position fix, e.g. N 31/24/34.456;
 - E. **Altitude:** the altitude of GPS position fix, e.g. 17m;
 - F. **Driving speed:** the speed of a GPS position fix, e.g. 35.9kn/h.

Appendix

Categories of POI



Turbodog include 19 categories of POI

- A. All POI
- B. Automotive
- C. Business
- D. Cemetery
- E. Center of Settlement
- F. Education
- G. Emergency
- H. Entertainment
- I. Food & Drink
- J. Government office
- K. Lodging
- L. Parking
- M. Petrol Station
- N. Recreation
- O. Services
- P. Shopping
- Q. Sights
- R. Traffic related
- S. Transport

Glossary

Item	Description
GPS	Global Position System
ActiveSync	A software application which synchronizes the communication between a PocketPC and a desktop PC
Map view mode	One of the main function of Tibo which provides map view and map operation
Navigation mode	One of the main function of Tibo, providing a map view while navigation
Menu operation	One of the main function of Tibo, providing information query, function set up and system configuration
Routing	Routing calculation between a start point (current position fix) and destination
Proposed route	The result of routing, displayed in a line type on map, or prompted by turn-by-turn method
Re-routing	The ability to re-compute a route when off the track
Floating point	A cursor indicates the current GPS position fix on map and direction of the movement

Attention

* It is not a system failure under circumstances listed below:

Problems caused by the characteristics of GPS positioning:

- Sometimes, when you are driving on the highway/via-duct, the floating point swings, vice versa.
- When you are driving along a Y shaped road, the float- ing point may branch to the side road.
- When you are driving on a road of grid shaped, some- times you will find that the floating point is at the side road nearby.
- When you are driving on a very steep road.
- When you are driving on spiral road, you will find that the floating point swings, It is nothing to do with the radius of the road and the driving speed of your vehicle. It is due to the real road condition may differ from the information of electronic map.
- When you make a right/left turn to enter a road, which has parallel roads nearby (the distance between them is less than 50m) in parallel, from the road you have been driving for a long time, you will find that the floating point may go to another road.
- When you are driving on a wide road in a snaky line, you will find that the floating point may swing due to the mis- match of real distance.

- Before returning to a ground road after you have been driving in an underground car park or a spiral path of the multi-level car park, you will find that the floating point may swing. When your car is in a rotary elevator, the arrow of the floating point may not point to the right direction.
- Providing voice prompt at a branching path ahead even the car is already off the proposed route.
- Guiding distance may deviate.

When any of those situations occurs, the GPS satellite will automatically adjust the current position fix if you keep driving.

Problems caused by map files:

- When you return from a road which is newly constructed to a road recorded in map file, you may find floating point swings due to the map file may not reflect the real road conditions. After you keep driving for while, the system will adjust it to the right position using GPS signal information.
- No through-way due to road closure or pedestrian path.
- Open of a new road and closure of old road.
- Guide to a no-through way.
- Route re-computed again without changing the proposed route.
- Guide to a normal road instead of a viaduct, or vice versa.

- If there is only small lanes without a normal road near destination, the system will only guide you to a place near to your destination.
- Instruct you to make a U-turn,
- No indication at a branching road.
- Turning instruction mismatch the real road condition.
- No indication of direction or voice prompt about entrance/exit while guiding on highway/express way.
- Schematic map may mismatch real road conditions.

* **Places having difficulties to receive GPS signals**

- In the tunnels;
- Between high buildings;
- Under viaducts;
- In trees/forests;

When using external GPS antenna, we recommended to place it on the roof of the car. If there is rack on the roof of car, please make sure to separate the rack and the antenna.

GPS is managed by the department of defense of USA. It may purposely reduce the accuracy of the GPS signals so that the car may swing.

* **Use Notice**

- The floating point may swing before GPS signal is received when turning on power.

- The floating point may swing when you use the system at the first time after installation.
- The floating point may swing when you are changing the tyre, specially using a spare tyre.
- The system will automatically adjust its position and direction using GPS signals when the floating point mismatches real condition.

Map icons

Icon	Name	Icon	Name
	District/Estate		Police station/NPP
	Building./Shopping Centres		MRT/LRT
	Cinema/Library		Hospital/Polyclinic
	Car Rental		Car parks
	Restaurant		Petrol kiosk
	Tourist Att.		Automobile repair and service

Icon	Name	Icon	Name
	School/Education centre		Airport
	Sports		Embassy/Town council
	Cinema/Library		Religion
	Golf		Exhibition/Company

TMC message icons

Icon	Name	Icon	Name
	queuing traffic expected		(Q) accident(s). Stationary traffic for 3km
	accident. Delays(Q)		this service provides major road information
	heavy snowfall		stationary traffic for 3km
	cyclists on road-way. Danger		major event. Traffic building up

Icon	Name	Icon	Name
	allow emergency vehicles to pass		(Q sets of) roadworks. Slow traffic
	contraflow. Queuing traffic		less than 10 parking spaces available
	no motor vehicles		carriageway reduced (from Q lanes) to one lane
	message cancelled		incident cleared
	(Q) lanes closed. Slow traffic		

Camera

Your Hatchback has an inbuilt camera, which allows you to take photos and save as a geographical location. Photos can be saved in the **Photo Viewer** on Hatchback or a memory card and viewed in full screen.

Activating camera

You can take photos with this inbuilt camera and access the camera preference.

Do one of the following to view the camera screen:

- Press the camera button  on the top of the Hatchback.
- Or tap the camera icon  in the main menu.



	Element	Description
1		Display the save location and the number of photos that are still can be taken
2		Tap to adjust the lighting and brightness
3		Press to get the sub menu:  - Tap it to access the Photo Viewer  - Tap to select the save location: Internal memory/External memory card  - Tap to turn shutter on/off  - Tap to adjust the white balance status
4		Battery indicator
5	Viewfinder	Allows you to take photo within the view-finder
6		Return to main menu

Customizing camera preferences

You'd better customize the camera preferences before using camera to take a photo. The inbuilt camera has save location, lighting and brightness settings, etc.

Lighting and brightness options

To adjust the lighting and brightness as the following steps:

1. When the camera is open, tap  /  to adjust the lighting and brightness.
2. Stop until the lighting is your preferred one.

Save location options

The photo can be saved on Hatchback or memory card. To set the save location as the following:

1. When the camera is open, tap  to get the sub menu.
2. Tap  to select **Save to internal memory** or **Save to external memory card** in the popup menu. Your selection will be saved.

Shutter options

1. When the camera is open, tap  to get the sub menu.
2. Tap  to select **On** or **Off** in the popup menu. Your selection will be saved.

White balance options

You can switch different white balance in the inbuilt camera:

1. When the camera is open, tap  to get the sub menu.
2. Tap  to select the your preferred white balance option in the popup menu. Your selection will be saved.

Taking a photo

Before you take a photo you can customize the lighting and brightness settings. For more information, see “Customizing camera preferences”.

1. When the camera is open, an image the camera is focused on will display in the viewfinder.
2. When you are satisfied with the image displayed in the viewfinder, press the camera button  to take the photo.
3. The captured photo will be automatically saved in the **Photo Viewer** on Hatchback or memory card.

Managing photos

You can manage the captured photos in **Photo Viewer**.

1. When the camera is open, tap  to get the sub menu.
2. Tap  to access the **Photo Viewer**. (See page xxxxx.)

Photo Viewer

The **Photo Viewer** stores all your photos and displays them as thumbnails. You can store photos in the **Photo Viewer** on Hatchback or memory card.

Accessing Photo Viewer

You can manage only the photos saved in DCIM/HatchBack.

Do one of the following to activate **Photo Viewer**:

- Tap the Photo Viewer icon  in the main menu.
- Or when the camera is open, tap  to access **Photo Viewer**.



	Element	Description
1	Photo	Display photos in the Photo Viewer on Hatchback or memory card. Tap to display in full screen.
2		Display if GPS is associated with a photo
3		You are in the Photo Viewer
4		Tap to activate camera
5	Scroll bar	Allows you to scroll through thumbnail view of photos
6		Tap to switch to memory card 
7		Return to main menu

Photo management

To manage a photo, you need to tap the thumbnail of the photo. The photo will display in full screen.



	Element	Description
1		Tap to view the photo's information
2		If GPS is associated with the photo, tap it to activate GPS application
3		Tap to rotate the photo
4		Tap it to select related options (See the following instruction)
5		Return to main menu
6		Tap to view the previous photo
7		Tap to view the next photo

To view a photo's information

1. Tap  to access the **Photo Information** screen.
2. You can see the file name, photo description, taken date, and size. If the GPS is associated with the photo, the longitude and latitude will be displayed at the bottom of the **Photo Information** screen.
3. Tap  to edit the file name and photo description; tap  to save.

To go to navigation

This function is only available when the GPS is associated with this photo.

1. In the full view screen of a photo, tap  to activate GPS application.
2. Select the destination to go to navigation.

To rotate a photo

1. In the full view screen of a photo, tap  to rotate the photo.

To copy/move a photo

1. In the full view screen of a photo, tap  to select **Move to external memory card/Copy to external memory card**.

2. If the photo is saved in memory card, tap  to select **Move to internal memory/Copy to internal memory**.



Note: *When copy/move photos to Hatchback, all photos will be saved in the following folder: DCIM/Hatch-Back.*

To delete a photo

1. In the full view screen of a photo, tap  to select **Delete**.
2. Tap  to delete the current photo.

Mp3 Player

Activating Mp3 Player

From the main menu, tap  to activate Mp3 player. You will see the options in the **Mp3 Player** screen: playlists, artists, album, songs and now playing.

- Tap  before **Now Playing** to access playing screen.
- Tap  after **Playlist**, **Artists**, **Albums** and **Songs** to access the submenu.

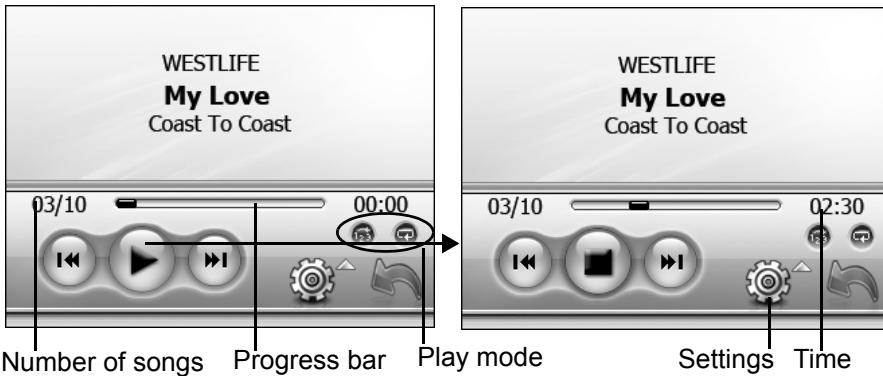


Playing a song

You have several ways to play a song.

Playing a song from Now Playing

1. In the Mp3 Player screen, tap  before Now Playing to access playing screen.
2. Tap  to play a song, tap  to pause.
3. Tap  to play the previous song; tap  to play the next song.



Playing a song from Playlists

1. In the Mp3 Player screen, tap  after Playlists to access Playlists screen.
2. Select a playlist to access it.



▶ -- Tap to play a song.

123 -- Tap to select the sort mode: Artist, Title and As created.

✖ -- Tap to remove the current song. (**Attention: Just remove the current song from the playlist.**)

✚ -- Tap to add audio files from the audio file list.

Playing a song from Artists

1. In the **Mp3 Player** screen, tap ▶ after **Artists** to access the submenu.
2. If select **All** in the submenu, only can tap ▶ to play songs.
3. If select other **Artists** except for **All**, tap ▶ to play songs; tap ✎ to remove all songs saved in your selected Artist.

You also can play songs from **Albums** or **Songs**, it is quite the same as **Artists**.

Deleting a song

Deleting a song from Playlists

1. In the **Mp3 Player** screen, tap  after **Playlists** to access **Playlists** screen.
2. Select a playlist to access it.
3. Tap  to delete the current song. (**Attention: Just remove the current song from the playlist.**)

Deleting a song from Artists/Albums/Songs

1. In the **Mp3 Player** screen, tap  after **Artists/Albums/Songs** to access the submenu.
2. Select an Artist/an Album/a song, and tap  to delete all songs saved in your selected Artist/Album.



Note: *The song saved in Songs will be deleted from Hatchback.*

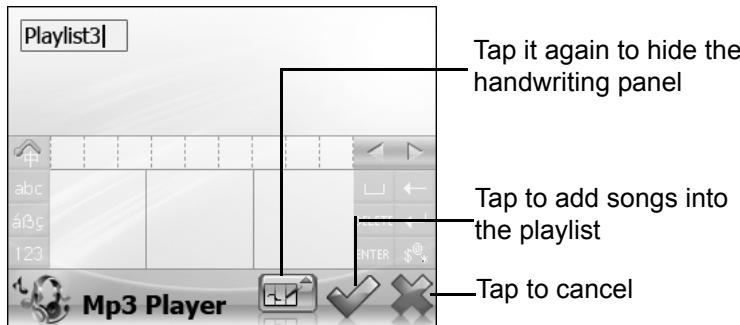
Playlist management

In Mp3 player, you can customize your own playlist to save your preferred songs.

Creating a new playlist

Do as the following steps to create a new playlist:

1. In the **Playlist** screen, select **New Playlist**.



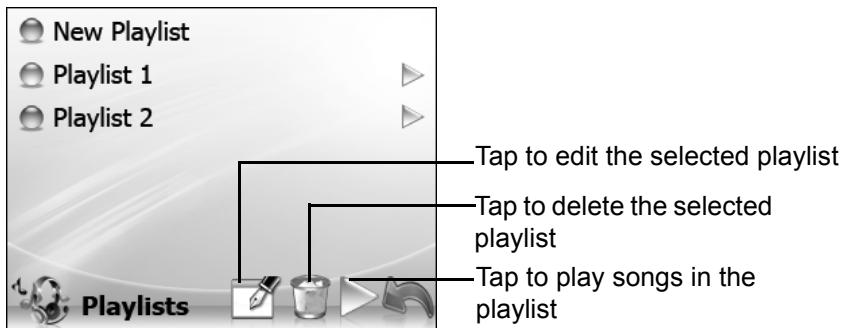
2. Edit the playlist name with the handwriting panel.
3. Tap  to access the **Add Media** screen.
4. Select the audio files/songs you want to add into the new playlist. Tap  to save the new playlist.



Note: *No playlist will be created if no songs are added into the new playlist. The check box will be grey if you just select some of the songs saved in the file.*

Deleting a playlist

From the **Playlists**, select a playlist you want to delete. Tap  to delete the selected playlist.

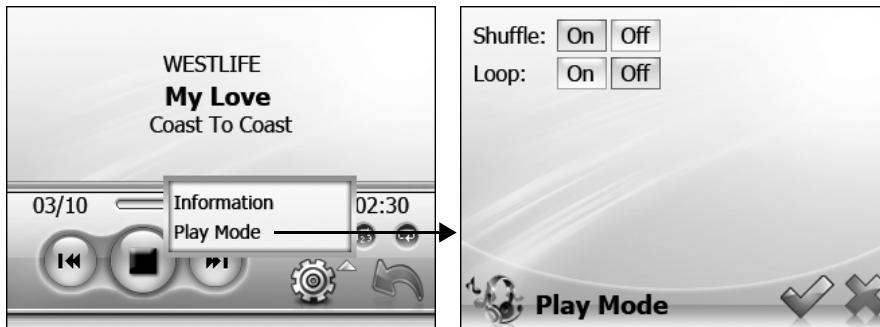


Mp3 Player settings

Before playing songs, you can make a configuration.

Setting play mode

1. In the playing screen, tap  to get the popup menu.
2. Select Play Mode to activate the Shuffle and Loop On/off.



Hatchback configuration

Customizing Hatchback

To change Hatchback settings, tap  in the main menu, see the following description for more information.

Changing the time/date settings

In the **Setting** screen, tap  to access **Time/Date** screen. You can set time, date and other related setting.



- **Set Time:** Select am/pm; Tap the hour/minute box and change the time via the up/down arrow.
- **Time Format:** Choose a 12-hour or 24-hour time format.

- **Set Date:** Tap the down arrow to select your date in the popup calendar.
- **Date Format:** Choose your preferred date format.
- **Set Time Zone:** Tap the down arrow to select a time zone in the pull down menu.
- **Daylight saving:** Select the check box to set it on.
- **Synchronize with GPS:** Select the check box; the current time and date will update automatically with GPS satellite.

Changing the language settings

There are English and simplified Chinese language for you to choose, select any one of them to be the system language as you like.

Changing the display settings

Tap  in the **Setting** screen to access the **Backlight Brightness** screen;

1. Tap and drag the sliding block to the desired position.

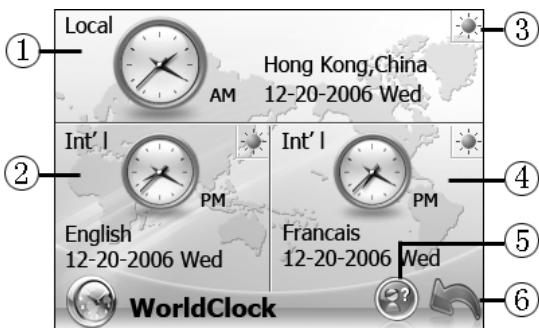
Others

Using World Clock

This application allows you to set multi-international time zone.

Accessing World Clock

To activate **World Clock**, tap  in **Utility**.



	Element	Description
1	Local time zone area	The local time cannot be set here. You can set it in the Time/Date from Setting .

	Element	Description
2/4	Int'l time zone area	Tap to set the int'l time zone
3		Tap to enable daylight saving function
5		Tap to view the tutorial for World Clock
6		Return to Utility menu

Time zone area settings

The local time setting

- You cannot set the local time in **World Clock**. If you need to reset the local time, please set it in **Time/Date** from **Setting** application. (See page xxx.)
- Or you can change the local time by switching time zone: Tap and hold the time zone you need to change, and drag it to the desired zone area. (See page xxx.)

Int'l time zone setting

1. In **World Clock** screen, tap the int'l time zone area you want to change.

2. Select a zone area displayed in the Europe country list you need in **Set Time Zone** screen; double click on a country and return to **World Clock**.
3. The new selected int'l time zone area displays.

Switching three time zone area randomly

The local time zone area and the two int'l time zone area can be switched mutually.

- For example, to change the current local time zone area to be the int'l time zone area. Use the stylus to tap and hold the local time zone area; drag it to the int'l time zone area and release the stylus, these two areas are switched.

Using the Calculator

Calculator allows you to have the simple calculation, currency conversion and unit conversion.

Activating Calculator

From the **Utility**, tap  to activate **Calculator**.



	Element	Description
1		Make a simple calculation (plus, minus, multiplication or division)
2		Currency conversion
3		Unit conversion.
4		When using currency conversion, tap it to edit the conversion rate
5		Return to Utility menu