

 **blackbird**™



## Owner's Manual

PMD-B100P

 **ALPINE**®

# PRECAUTIONS

## ■ Important Information

### Please Read Carefully Before Using This Product.

This product is intended to safely provide turn by turn instruction to get you to a desired destination. Please read the following precautions to ensure that you use your navigation system correctly.

- This product is not a substitute for your personal judgment. Any route suggestions made by the navigation system may never supersede any local traffic regulations or your personal judgment and/or knowledge of safe driving practices. Do not follow route suggestions if the navigation system instructs you to perform an unsafe or illegal maneuver, places you in an unsafe situation, or routes you into an area which you consider unsafe.
- Glance at the monitor screen only when necessary and safe to do so. If prolonged viewing of the screen is necessary, stop the vehicle in a safe and legal manner and location.
- Do not input destinations, change settings, or access any functions requiring a prolonged view of the monitor and/or remote control while you are driving. Stop the vehicle in a safe and legal manner and location before attempting to access the system.
- Do not use the navigation system to route you to emergency services. Not all locations of emergency service providers such as police and fire stations, hospitals, and clinics are contained in the database. Please use your own judgment and your ability to ask for directions in these situations.
- The map database contained within the media in which it is stored is the most recent map data available at the time of production. Because of changes in streets and neighbourhoods, there may be situations where the navigation system may not be able to route you to your desired destination. In these cases, use your own personal judgment.
- The map database is designed to provide you with route suggestions, it does not take account of the relative safety of a suggested route, or of factors which may affect the time required to reach your destination. The database does not reflect road closures or construction, road characteristics (i.e. type of road surface, slope or grade, weight or height restrictions, etc.), traffic congestion, weather conditions, or any other factors which may affect the safety or timing of your driving experience. Use your personal judgment if the navigation system is unable to provide you with an alternate route.
- There may be situations where the navigation system may display the vehicle's location erroneously. Use your own driving judgment in this situation, taking into account current driving conditions. Please be aware that in this situation, the navigation system should correct the vehicle's position automatically; however, there may be times where you may have to correct the position yourself. If this is the case, stop the vehicle in a safe and legal manner and location before attempting operation.
- Make certain that the volume level of the monitor is set to a level which still allows you to hear outside traffic and emergency vehicles. Driving while unable to hear outside sounds could cause an accident.
- Please make certain that any other person who intends on using the navigation system reads these precautions and the following instructions carefully.
- If there is anything in the manual which you do not understand, or are uncertain about the operation of the navigation system, please contact an authorized Alpine representative before using the navigation system.

### Correct Disposal of This Product





The product purchased by you is provided in accordance with the European directive 2002/96 EC on WEEE - Waste Electrical and Electronic Equipment. A symbol of the crossed out trash can has therefore been printed on the product. This applies to all member states of the EC and indicates the fact that the product may not be disposed in the normal domestic waste. The product must be disposed in accordance with the local regulations at separate collection points. A disposal in the normal domestic waste harms the environment. Please contact the responsible authorities of waste administration or your local dealer, where you purchased the product, for further information.

# WARNINGS

## Points to Observe for Safe Usage

- Read the manuals for this device and the system components carefully before using your navigation system. They contain instructions on how to use the system in a safe and effective manner. Alpine cannot be responsible for problems resulting from failure to observe the instructions in these manuals.
- This manual uses various pictorial displays to show you how to use this product safely and to alert you to potential dangers resulting from improper connections and operation. Following are the meanings of these pictorial displays. It is important to fully understand the meanings of these pictorial displays in order to use this manual and the system properly.

### ■ Meaning of displays

 <b>Warning</b>	This symbol means important instructions. Failure to heed them can result in serious injury or death.
 <b>Caution</b>	This symbol means important instructions. Failure to heed them can result in injury or material property damage.

#### **Warning**

##### **DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE.**

Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

##### **DO NOT DISASSEMBLE OR ALTER.**

Doing so may result in an accident, fire or electric shock.

##### **KEEP SMALL OBJECTS SUCH AS BATTERIES OUT OF THE REACH OF CHILDREN.**

Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

##### **USE THIS PRODUCT AS SPECIFIED.**

Use for other than its designed application may result in fire, electric shock or other injury.

##### **DO NOT PLACE HANDS, FINGERS OR FOREIGN OBJECTS IN INSERTION SLOTS OR GAPS.**

Doing so may result in personal injury or damage to the product.

##### **MINIMIZE DISPLAY VIEWING WHILE DRIVING.**

Viewing the display may distract the driver from looking ahead of the vehicle and cause an accident.

##### **DO NOT FOLLOW ROUTE SUGGESTIONS IF THE NAVIGATION SYSTEM INSTRUCTS YOU TO PERFORM AN UNSAFE OR ILLEGAL MANOEUVRE, OR PLACES YOU IN AN UNSAFE SITUATION OR AREA.**

This product is not a substitute for your personal judgment. Any route suggestions by this system should never supersede any local traffic regulations or your personal judgment or knowledge of safe driving practice.

#### **Caution**

##### **HALT USE IMMEDIATELY IF A PROBLEM APPEARS.**

Failure to do so may cause personal injury or damage to the product. Return it to your authorized Alpine dealer or the nearest Alpine Service Centre for repairing.

##### **KEEP FINGERS AWAY WHILE THE MOTORIZED FRONT PANEL OR MOVING MONITOR IS IN MOTION.**

Failure to do so may result in personal injury or damage to the product.

# USER AGREEMENT

In using this Blackbird Portable Navigation System (hereinafter referred to as “System”), which includes Alpine Electronics, Inc. (“Alpine”) Specifications, Space Machine, Inc. (“Space Machine”) Software and NAVTEQ B.V. (“NAVTEQ”) Database, you are bound by the terms and conditions set forth below. By breaking the seal on the System and using your copy of the System, you have demonstrated your agreement to the terms and conditions of this Agreement. You should, therefore, make sure that you read and understand the following provisions.

The System may not be copied, duplicated or otherwise modified, in whole or in part, without the express written permission of Alpine, Space Machine and NAVTEQ.

The System may not be transferred or sublicensed to any third party for profit, rent or loan or licensed for reuse in any manner.

The System may not be decompiled, reverse engineered or otherwise disassembled, in whole or in part.

The System may not be used in a network or by any other manner of simultaneous use in multiple systems.

The System is intended solely for personal use (or internal use where the end-user is a business) by the consumer.

The System is not to be used for commercial purposes.

Neither Alpine, Space Machine nor NAVTEQ guarantees to the customer that the System meet the specific objectives of the user.

Neither Alpine, Space Machine nor NAVTEQ shall be responsible for any damages caused by the use of the System to the actual user and to any third party.

The warranty on the System shall not extend to an exchange or refund due to misspelling, omission of letters, or any other cosmetic discrepancy in layout found in the System.

The right to use the System shall expire either when the user destroys this software, or when any of the terms for use is violated and Alpine, Space Machine and/or NAVTEQ exercise the option to revoke the license to use this software.

The terms and conditions hereof apply to all subsequent users and owners as well as to the original purchaser.

# NAVTEQ END USER LICENSE AGREEMENT

**PLEASE READ THIS END USER LICENSE AGREEMENT CAREFULLY BEFORE USING THE NAVTEQ DATABASE**

## **NOTICE TO THE USER**

THIS IS A LICENSE AGREEMENT – AND NOT AN AGREEMENT FOR SALE – BETWEEN YOU AND NAVTEQ B.V. FOR YOUR COPY OF THE NAVTEQ NAVIGABLE MAP DATABASE, INCLUDING ASSOCIATED COMPUTER SOFTWARE, MEDIA AND EXPLANATORY PRINTED DOCUMENTATION PUBLISHED BY NAVTEQ (JOINTLY “THE DATABASE”). BY USING THE DATABASE, YOU ACCEPT AND AGREE TO ALL TERMS AND CONDITIONS OF THIS END USER LICENSE AGREEMENT (“AGREEMENT”). IF YOU DO NOT AGREE TO THE TERMS OF THIS AGREEMENT, PROMPTLY RETURN THE DATABASE, ALONG WITH ALL OTHER ACCOMPANYING ITEMS, TO YOUR SUPPLIER FOR A REFUND.

## **OWNERSHIP**

The Database and the copyrights and intellectual property or neighboring rights therein are owned by NAVTEQ or its licensors. Ownership of the media on which the Database is contained is retained by NAVTEQ and/or your supplier until after you have paid in full any amounts due to NAVTEQ and/or your supplier pursuant to this Agreement or similar agreement(s) under which goods are provided to you.

## **LICENSE GRANT**

NAVTEQ grants you a non-exclusive license to use the Database for your personal use or, if applicable, for use in your business’ internal operations. This license does not include the right to grant sub-licenses.

## **LIMITATIONS ON USE**

The Database is restricted for use in the specific system for which it was created. Except to the extent explicitly permitted by mandatory laws (e.g. national laws based on the European Software Directive (91/250) and the Database Directive (96/9)), you may not extract or reutilize substantial parts of the contents of the Database nor reproduce, copy, modify, adapt, translate, disassemble, decompile, reverse engineer any portion of the Database. If you wish to obtain interoperability information as meant in (the national laws based on) the European Software Directive, you shall grant NAVTEQ reasonable opportunity to provide said information on reasonable terms, including costs, to be determined by NAVTEQ.

## **TRANSFER OF LICENSE**

You may not transfer the Database to third parties, except when installed in the system for which it was created or when you do not retain any copy of the Database, and provided that the transferee agrees to all terms and conditions of this Agreement and confirms this in writing to NAVTEQ. Multi-disc sets may only be transferred or sold as a complete set as provided by NAVTEQ and not as subset thereof.

## **LIMITED WARRANTY**

NAVTEQ warrants that, subject to the warnings set out below, for a period of 12 months after acquisition of your copy of the Database, it will perform substantially in accordance with NAVTEQ's Criteria for Accuracy and Completeness existing on the date you acquired the Database; these criteria are available from NAVTEQ at your request. If the Database does not perform in accordance with this limited warranty, NAVTEQ will use reasonable efforts to repair or replace your non-conforming copy of the Database. If these efforts do not lead to performance of the Database in accordance with the warranties set out herein, you will have the option to either receive a reasonable refund of the price you paid for the Database or to rescind this Agreement. This shall be NAVTEQ's entire liability and your sole remedy against NAVTEQ. Except as expressly provided in this section, NAVTEQ does not warrant nor make any representations regarding the use of results of the use of the Database in terms of its correctness, accuracy, reliability, or otherwise. NAVTEQ does not warrant that the Database is or will be error free. No oral or written information or advice provided by NAVTEQ, your supplier or any other person shall create a warranty or in any way increase the scope of the limited warranty described above. The limited warranty set forth in this Agreement does not affect or prejudice any statutory legal rights that you may have under the legal warranty against hidden defects.

If you did not acquire the Database from NAVTEQ directly, you may have statutory rights against the person from whom you have acquired the Database in addition to the rights granted by NAVTEQ hereunder according to the law of your jurisdiction. The above warranty of NAVTEQ shall not affect such statutory rights and you may assert such rights in addition to the warranty rights granted herein. LIMITATIONS ON USE

## **LIMITATION OF LIABILITY**

The price of the Database does not include any consideration for assumption of risk of consequential, indirect or unlimited direct damages which may arise in connection with your use of the Database. Accordingly, in no event shall NAVTEQ be liable for any consequential or indirect damages, including without limitation, loss of revenue, data, or use, incurred by you or any third party arising out of your use of the Database, whether in an action in contract or tort or based on a warranty, even if NAVTEQ has been advised of the possibility of such damages. In any event NAVTEQ's liability for direct damages is limited to the price of your copy of the Database.

**THE LIMITED WARRANTY AND LIMITATION OF LIABILITY, SET FORTH IN THIS AGREEMENT, DO NOT AFFECT OR PREJUDICE YOUR STATUTORY RIGHTS WHERE YOU HAVE ACQUIRED THE DATABASE OTHERWISE THAN IN THE COURSE OF A BUSINESS.**

## **WARNINGS**

The Database may contain inaccurate or incomplete information due to the passage of time, changing circumstances, sources used and the nature of collecting comprehensive geographic data, any of which may lead to incorrect results. The Database does not include or reflect information on – inter alia – neighborhood safety; law enforcement; emergency assistance; construction work; road or lane closures; vehicle or speed restrictions; road slope or grade; bridge height, weight or other limits; road or traffic conditions; special events; traffic congestion; or travel time.

## **GOVERNING LAW**

This Agreement shall be governed by the laws of the jurisdiction, in which you reside at the date of acquisition of the Database. Should you at that moment reside outside the European Union or Switzerland, the law of the jurisdiction within the European Union or Switzerland where you acquired the Database shall apply. In all other cases, or if the jurisdiction where you acquired the Database cannot be defined, the laws of the Netherlands shall apply. The courts competent at your place of residence at the time you acquired the Database shall have jurisdiction over any dispute arising out of, or relating to this Agreement, without prejudice to NAVTEQ' right to bring claims at your then current place of residence.

# TABLE OF CONTENTS

Precautions.....	2	Route.....	27
Warnings.....	3	Finding Alternate Route.....	27
User Agreement.....	4	Delete Route.....	27
NAVTEQ end user license agreement.....	4	Avoid a Street.....	27
Table of Contents.....	6	Edit.....	28
Installation.....	8	Editing Home.....	28
How to Fit Blackbird.....	8	Editing Address Book.....	29
To Remove the Navigation System from the Cradle.....	8	Deleting Previously Saved Destinations.....	29
Battery Installation.....	9	Setup.....	31
How to Reset Blackbird.....	9	Customizing Display.....	31
System Features.....	10	Setting the Map Colour.....	31
Basic Operation.....	12	Displaying and Editing Icons on the Map.....	31
To Turn On Power.....	12	Setting the Map Style.....	31
To Turn Off.....	12	Background Colour.....	31
Set a Destination and Go!.....	12	Trail.....	31
Setting Estimate Time Display.....	14	Brightness.....	31
Setting the Map Orientation.....	14	Customizing Guidance.....	32
Traffic Information.....	14	Turning Voice On and Off.....	32
Map Function.....	14	Changing Navi Mix Volume.....	32
Repeating the Announcement.....	14	Setting Estimate Time Display.....	32
Zoom In/Out Map.....	14	Setting up the Clock.....	32
GPS Status.....	14	Switching the Measuring Unit and the Keyboard.....	32
Battery Status.....	14	Configuring System Settings.....	32
Setting a Destination Directly from Map Display.....	15	FM Transmitter Setup / Frequency.....	32
Split Arrow/.....	15	Remote Control.....	32
Arrow Mode.....	15	Beep.....	32
Setting a Destination by Address.....	16	Reset All Settings.....	32
Destination.....	16	Configuring Traffic Info Settings.....	33
Confirm Destination Screen.....	16	Selecting the Country.....	33
Setting a Destination by POI.....	18	Selecting the Radio Station.....	33
Setting a Destination from the Address Book.....	18	Traffic Reroute.....	33
Setting a Destination by Recently Entered Destination.....	20	Show Icons.....	33
Setting a Destination by Postal Code.....	20	Simulating Navigation.....	34
Setting a Destination by Intersection.....	21	To Start a Demonstration.....	34
Setting a Destination in the City Centre.....	22	To Stop a Demonstration.....	34
Setting a Destination from the Personal POI.....	22	Information.....	34
Setting a Destination by Coordinates.....	23	Viewing Trip Information.....	34
Find Local POI.....	24	Viewing GPS Status.....	35
Options.....	24	Viewing System Information.....	35
Saving a Destination into the Address Book.....	24	Checking the Traffic Condition.....	36
Setting Waypoints.....	25	Traffic Information.....	36
Finding a Way Home.....	26	Getting more Information on a Traffic Incident.....	37
One-Touch Go Home.....	26	Map.....	37
Home.....	26	Detail.....	37
Finding Alternate Way to Go Home.....	26	To Improve Traffic Signal Reception, Please Follow These Instructions.....	38
Recalling the Manoeuvre List during Guidance.....	27	Entertainment.....	39

Listening to Audio .....	39
Playing Music on Your Blackbird .....	39
How to Listen to Guidance and Music from Your Car Stereo .....	40
<b>OTHER USEFUL FEATURES .....</b>	<b>40</b>
<b>How to Update the New Software and Map     Database .....</b>	<b>40</b>
In Case of Difficulty .....	41
<b>IN THE BOX .....</b>	<b>42</b>
Accessories .....	42
Optional Accessories .....	42
Specifications .....	43
Index .....	44

Austria :	© Bundesamt für Eich- und Vermessungswesen
France :	source: Géoroute® IGN France & BD Carto® IGN France
Germany :	Die Grundlagendaten wurden mit Genehmigung der zuständigen Behörden entnommen
Great Britain :	© Based upon Crown Copyright material.
Greece :	Copyright Geomatics Ltd.
Italy :	La Banca Dati Italiana è stata prodotta usando quale riferimento anche cartografia numerica ed al tratto prodotta e fornita dalla Regione Toscana
Norway :	Copyright © 2000; Norwegian Mapping Authority
Portugal :	Source: IgeoE – Portugal
Spain :	Información geográfica propiedad del CNIG
Sweden :	Based upon electronic data © National Land Survey Sweden
Switzerland :	Topografische Grundlage: © Bundesamt für Landestopographie



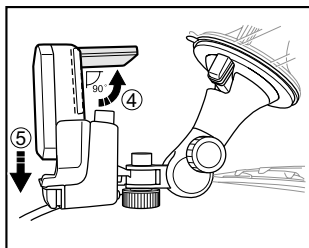
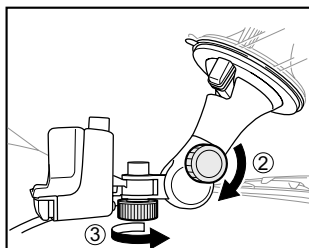
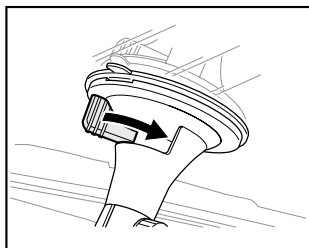
# INSTALLATION

## ■ How to Fit Blackbird

### ⚠ WARNING

Incorrect installation may cause the navigation system to fall out of the cradle while driving. Please make sure all locks and knobs are turned tight.

Do not install the navigation while driving.

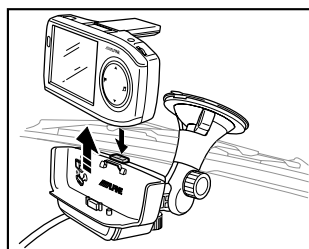


- 1 Find a suitable spot for the navigation system. Ensure that both the suction cup and windscreen area are clean and free of dirt and grease before attaching it. Stick the suction cup mount against the windscreen. Turn the knob to activate the vacuum to lock the position.
- 2 Turn the knob counter-clockwise to adjust up/down position. Then turn clockwise to set the position.
- 3 Turn the knob clockwise to adjust right/left position. Then turn counter-clockwise to set the position. **DEVICE SHOULD NOT BE INSTALLED SO THAT IT OBSTRUCTS THE DRIVER'S VIEW.**
- 4 Open the antenna before inserting the navigation system into the cradle. For best reception, position the antenna 90 degrees to the main unit.
- 5 Slide the navigation system into the cradle until you hear a "click".
- 6 Plug the cigarette lighter charger into the cigarette lighter socket.

### ⚠ CAUTION

Remove the navigation system when you are away from the vehicle to prevent theft.

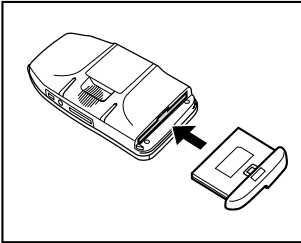
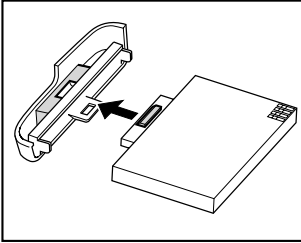
## ■ To Remove the Navigation System from the Cradle



- 1 Press and hold the eject button on the cradle.
- 2 Take hold of the navigation system behind the antenna and remove by sliding up and out of the cradle.



## Battery Installation



### **WARNING**

Always turn off power to the system before installing or removing the battery. Failure to do so will result in damage to your system.

- 1 Place Blackbird face down on a flat surface.
- 2 Press the battery door and pull away from the main unit body.
- 3 A “click” will be heard as the battery is attached to the battery door.
- 4 Insert and slide the battery assembly back into the main unit until a click sound is heard.

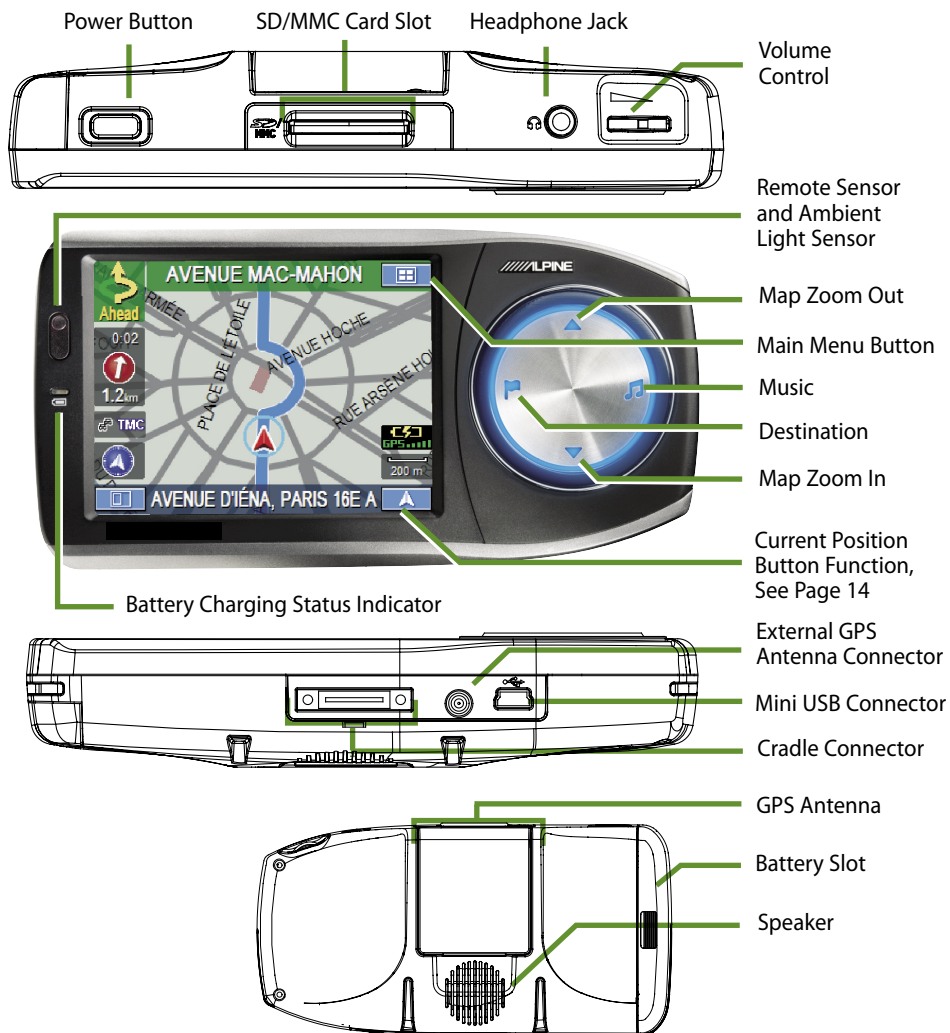
Note: It is recommended that the battery be charged using the supplied AC adapter for 8 hours before using the system. Avoid removing this rechargeable battery. If the battery needs to be replaced, dispose of it in accordance with local hazardous materials requirements.

## How to Reset Blackbird

In the event the system requires a reset, pull over in a safe and legal manner before doing so. Insert a paper clip or similar object into the reset hole (located under the GPS antenna in the upper left hand corner of the recessed area) and depress the reset button for at least 1 second. Then, to restart the system, press and hold the power button for 2 seconds. The system will re-start.

# SYSTEM FEATURES

## Blackbird Portable Navigation System



### Battery Charging Status Indicator

This illuminates when the system is being charged or requires charging. The battery will typically charge to full from empty in about three hours.

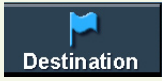
GREEN  
AMBER

Battery is fully charged.  
Battery is charging.

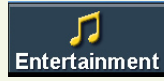
RED

Battery needs charging.

## Main Menu



Set and save Destinations.  
→ Page 16



Play music.  
→ Page 38



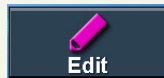
Get back home from anywhere.  
→ Page 26



Modify or choose alternate routes to a destination.  
→ Page 27



View Navigation Demonstration and system information.  
→ Page 34



Edit Home and Address Book.  
→ Page 28



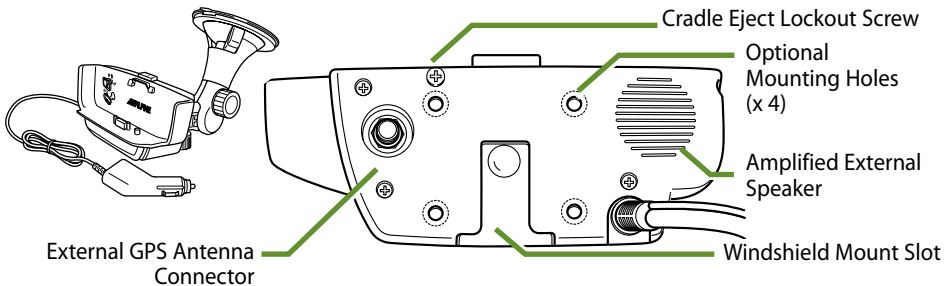
Traffic feature allows you to receive real-time traffic information. → Page 36



Customize the navigation system.  
→ Page 31

## Cradle with Cigarette Lighter Charger

• Optional External GPS Antenna Accessory Available (Model # PMD-ANT1)



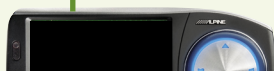
## User Registration

Please register your Blackbird on our web site, [www.alpine-europe.com](http://www.alpine-europe.com). You can receive information about a software update, new Alpine products, etc. from us.

# BASIC OPERATION

## To Turn On Power

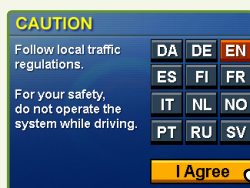
Power Button



- 1 Press and hold Power Button for 2 seconds.



- 2 Opening screen appears.



- 3 Select a language and read the caution carefully. Touch **I Agree** to display map.

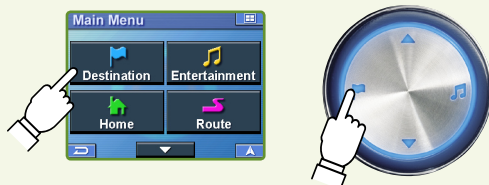


- 4 The last-known current location is indicated on the map.

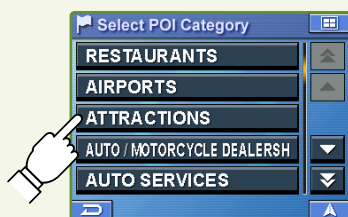
## To Turn Off

Press and hold Power Button for 2 seconds.

## Set a Destination and Go!



- 1 Touch **Main Menu**. Select **Destination** from Main Menu, or press Destination button.



- 4 Scroll the list. Select desired place list. (In this example, **ATTRACTIONS** is selected.)



- 7 Select the place with correct address.

For Map Function, see page 14.

The following example briefly describes how to input a destination.



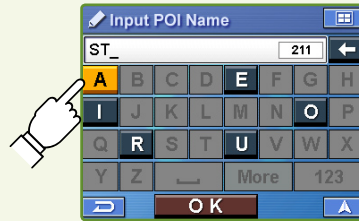
- 2 Select desired method.  
(In this example, **POI** is selected.)



- 3 Select a search method.  
(In this example, **By POI Category** is selected.)



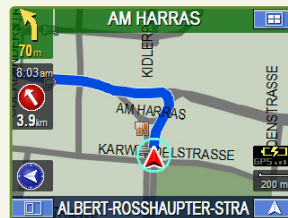
- 5 Select the search method.  
(In this example, **By POI Name** is selected.)



- 6 Type name of a place.  
If more than one place with the same name exist, sort method screen appears.



- 8 Select **OK to Proceed** to set the destination.



- 9 Map is displayed. Follow the navigation.

To Go Home, see page 26.

To Find other routes, see page 27.

# MAP FUNCTION



## Setting Estimate Time Display



Click this icon to switch between Estimated Time Remaining and Estimated Time of Arrival.

Note: The time estimates are based on the average speed. The estimate time will vary depending on vehicle speed. The arrow always points toward the destination.

## Setting the Map Orientation



Click icon to switch between North Up, Heading Up, and 3D views..

## Traffic Information



Click icon to see traffic information. Icon colour changes to blue (good), yellow, or red (bad) according to the traffic condition on route.

## Repeating the Announcement



Click icon to repeat the guide announcement.

## Zoom In/Out Map



Click icon to display scroll bar.



Touch ▲▼ or blue bar to zoom the map in or out. The scroll bar disappears automatically after 2 seconds.

## GPS Status



Click icon to view GPS receiving condition information from satellite.

## Battery Status



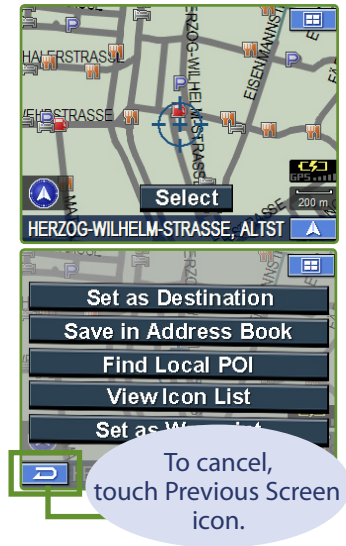
Shows status of the battery. (Lightning bolt) being charged. (3 bars) more than 60% charge. (2 bars) more than 40% charge. (1 bar) about 10% charge remaining.




## ■ Setting a Destination Directly from Map Display

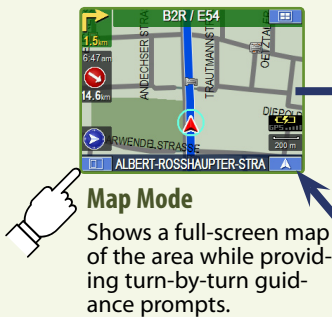
- 1 Touch anywhere on map screen.  
The crosshair cursor appears.
- 2 Move the cursor to the new desired street.  
Note: Use Map Scale Bar to zoom out the map if the destination is far from the current location.
- 3 Touch **Select**.
- 4 Select **Set as Destination**.
- 5 Touch **OK to Proceed** on the confirmation screen.

Note: To use other functions on the confirmation screen, see page 16 for details.



## Switching Map Display

Touch the  to switch among Map, Split, and Arrow modes.



### Map Mode

Shows a full-screen map of the area while providing turn-by-turn guidance prompts.

### Split Arrow/ Map Mode

Displays a large arrow and larger next-street-name font along side a map screen while providing turn-by-turn guidance prompts.

### Arrow Mode

Displays three-successive arrow manoeuvres all the way to your destination while providing turn-by-turn guidance prompts.



# DESTINATION

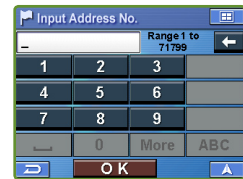
## ■ Setting a Destination by Address

- 1 Go to **Main Menu**.  
→ **Destination** → **Address**



### Finding a Destination by Street Name First

- 2 Select **Input Street Name**.
- 3 Type the first characters of the street name. If there are unique matches, the system will automatically display a short list of street names. Touch **OK**. The list of applicable street names appears.
- 4 Select the desired street name from the list.
- 5 Type the address number and touch **OK**.
- 6 Select the desired city. If there are multiple matches, the system will list cities containing the street name and address number that you keyed in.
- 7 Confirmation screen appears. See below for details.



## ■ Confirm Destination Screen

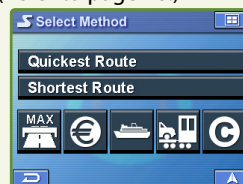
### OK to Proceed

Set the destination and display a map.



### Change Method

Find an alternative way.  
(Refer to page 26.)



## Change Country




If you want to choose a different country from the one shown on the screen, touch **Change** to switch to a different country.



## Selecting Letters

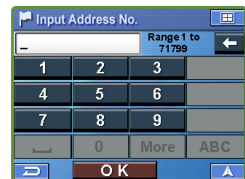
Selected characters are displayed.



-  Deleting one letter
-  Adding one space
-  Going to number screen

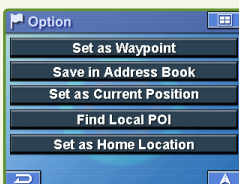
## Finding a Destination by City Name First

- 2 Select **Input City Name**.
- 3 Type the first few characters of the city name and press **OK**.  
If there are unique matches, the system will automatically display a short list of city names. Select the desired city.
- 4 Type the first characters of the street name.  
Touch **OK**.  
The list of applicable street names appears. Select the desired street.
- 5 Enter the address number.
- 6 Confirmation screen appears.  
See below for details.




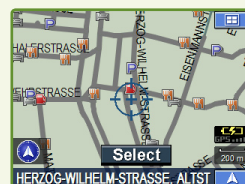
## Option

- Find Local POI → P24
- Set as Waypoint → P25
- Add to Address Book → P24



## Map

Check the destination on the map.  
Touch  to go back to the confirmation screen.



# DESTINATION

## ■ Setting a Destination by POI

You can select from over 1 Million Point-of-Interest (POI) locations stored inside your Blackbird Portable Navigation System. These destinations are sorted by POI Name or by POI Category and are listed in order of distance from your current location.

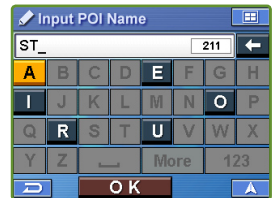
- 1 Go to **Main Menu**  
→ **Destination**  
→ **POI**



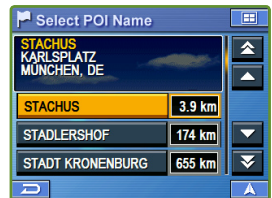
### Finding a Destination by POI Name

- 2 Select **By POI Name**.
- 3 Type the desired POI name. Touch **OK**.  
A list of place names appears.

Note: Use the arrows to the right of the list to move the yellow highlight. This will show detailed address information and phone number (if available) for each entry in the POI database.

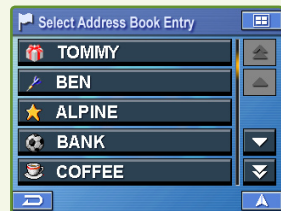


- 4 Select the POI with correct address.  
For emergency locations such as Police Stations, Hospitals, etc., please verify availability before proceeding to such locations.
- 5 Confirmation screen appears. Touch **OK to Proceed** to set the destination and start guidance.



## ■ Setting a Destination from the Address Book

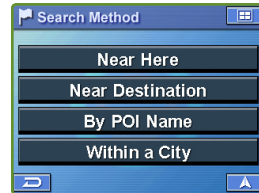
- 1 Go to **Main Menu**  
→ **Destination**  
→ **Address Book**
- 2 Select the desired destination.
- 3 Confirmation screen appears.  
Touch **OK to Proceed** to set your destination and start guidance.



To save an address in the address book, see page 24.

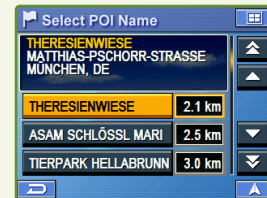
## Finding a Destination by POI Category

- 2 Select **By POI Category**.
- 3 Select a desired POI Category.
- 4 Select Search Method.



### Near Here

- 5 The list of POI names appears in order of distance from the current vehicle position.
- 6 Select the POI → **OK to Proceed**

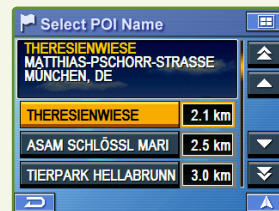


### By POI Name

- 5 Follow 3 to 5 in "Finding a Destination by POI Name" on Page 18.

### Within a City

- 5 Type the city name and select a city.
- 6 The list of POI appears in order of the distance from the selected city. Select the desired POI.
- 7 Select the place → **OK to Proceed**



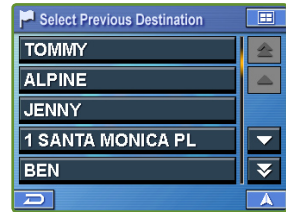
### Near Destination

- 5 The list of POI names appears in order of distance from the destination.
- 6 Select the place → **OK to Proceed**

# DESTINATION

## ■ Setting a Destination by Recently Entered Destination

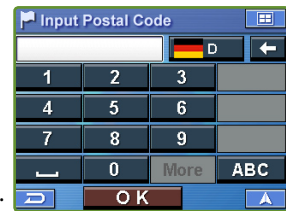
- 1 Go to **Main Menu**  
→ **Destination**  
→ **Last Dest**
- 2 The list of recent destinations appears.  
Select the destination.
- 3 Confirmation screen appears.  
Touch **OK to Proceed** to set the destination and start guidance.



Note: To use other functions on the confirmation screen, see page 16 for details.

## ■ Setting a Destination by Postal Code

- 1 Go to **Main Menu**.  
→ **Destination**  
→ **Postal Code**
- 2 Type the desired postal code and touch **OK**.  
The list of postal codes appears. Select the desired code.
- 3 Type the first characters of the street name. Touch **OK**.  
The list of applicable street names appears. Select the desired street.
- 4 Enter the address number.  
Touch **OK to Proceed** on the confirmation screen.



Note: 3 to 4 are not necessary in UK.

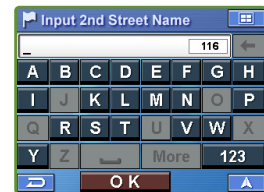
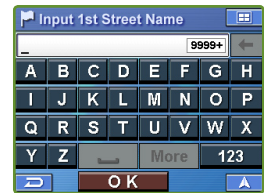
## ■ Setting a Destination by Intersection

- 1 Go to **Main Menu**.  
→ **Destination**  
→ **Intersection**

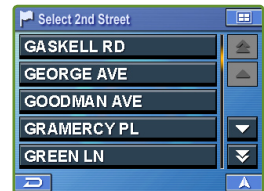


### Finding a Destination by Street Name

- 2 Select **Input Street Name**.
- 3 Type in the street name.  
Touch **OK**.  
The list of applicable street names appears.  
Select the desired street.
- 4 Input the second street name.  
If there is only one street crossing with the first street,  
the name of the street automatically appears.
- 5 Confirmation screen appears.  
Touch **OK to Proceed**.



Note: To use other functions on the confirmation screen, see the bottom of page 16 for details.



### Finding a Destination by City Name

If you know the city name of the intersection you are searching, select Input City Name. The choice of the street is narrowed down automatically. This saves time in entering the street information.

- 2 Select **Input City Name**.
- 3 Type the city name, then select the city from the list.
- 4 Input the first street name.
- 5 Input the second street name.
- 6 Touch **OK to Proceed** on the confirmation screen.

# DESTINATION

## ■ Setting a Destination in the City Centre

- 1 Go to **Main Menu**.  
→ **Destination**  
→ **City Centre**
- 2 Select **Input City Name**.
- 3 Type the first characters of the city name and press **OK**.  
If there are unique matches, the system will automatically display a short list of city names. Select the desired city.
- 4 Touch **OK to Proceed** on the confirmation screen.



## ■ Setting a Destination by Coordinates

- 1 Go to **Main Menu**.  
→ **Destination**  
→ **Coordinate**
- 2 Enter the Latitude of your destination.  
Touch **OK**.
- 3 Enter the Longitude of your destination.  
Touch **OK**.
- 4 Confirmation screen appears.  
Touch **OK to Proceed** to set the destination  
and start guidance.

Input Latitude

Latitude: N [ ][ ][ ][ ][ ] ° ←

1	2	3	
4	5	6	
7	8	9	
	0		

← OK →

Input Longitude

Longitude: W [ ][ ][ ][ ][ ] ° ←

1	2	3	
4	5	6	
7	8	9	
	0		

← OK →

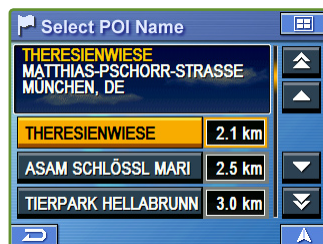
# OPTIONS

## ■ Find Local POI

The navigation system can display Points of Interest (POI) around the cursor position, when you scroll the map.

### How to Find Local POI Directly from the Map

- 1 Touch anywhere on map screen.  
The crosshair cursor appears.
- 2 Touch **Select**.
- 3 Select **Find Local POI**.  
Select the desired category.
- 4 Select the desired POI.
- 5 Touch **OK to Proceed** on the confirmation screen.



Note: To use other functions on the confirmation screen, see page 16 for details.

### How to Find Local POI from the Destination Menu

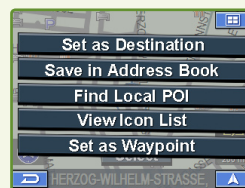
You can also find local POI from the Destination Menu.

- 1 Set a destination first from **Destination**.
- 2 On the confirmation screen, touch **Option**.
- 3 Follow steps 3 to 5 above in "How to Find Local POI Directly from the Map".

## ■ Saving a Destination into the Address Book

Any destination can be saved into the Address Book.

- 1 Select a destination using any method.
- 2 From the confirmation screen, select **Option**.
- 3 Touch **Save in Address Book**.

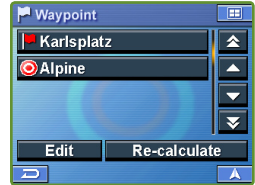


## ■ Setting Waypoints

You can set up to 10 waypoints between your current location and your destination. The final destination must be set before entering any waypoints.

### How to Set a Waypoint Directly from Map

- 1 Touch anywhere on map screen.  
The crosshair cursor appears.
- 2 Move the cursor to the desired waypoint.
- 3 Touch **Select**.
- 4 Select **Set as Waypoint** and select **Re-calculate**.
- 5 When the route search is complete, the current location is displayed. The system navigates you to the first waypoint.



### How to Set a Waypoint from the Destination Menu

You can also set a waypoint from Destination Menu.

- 1 Enter a destination by using the method on pages 16 through 23 from Destination Menu.
- 2 On the confirmation screen, select **Option**.
- 3 Select **Set as Waypoint** and select **Re-calculate**.

- 4 "Input Name" screen appears.  
Type the desired name and touch **OK**.

Note: For the details of selecting letters, see page 17.

- 5 System returns to the Main Menu screen.

Note: see also page 18, "Setting a Destination from the Address Book".



# HOME

## ■ Finding a Way Home

You can get home from anywhere once the home address is set from Edit Menu.

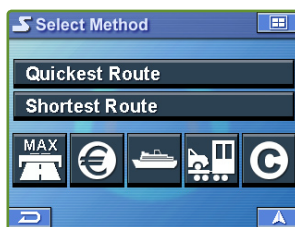
- 1 Go to **Main Menu**.  
→ **Home**
- 2 Touch **OK to Proceed** on the confirmation screen.
- 3 Follow the map to go home.

Note: To edit the Home Address, see page 28.


## ■ Finding Alternate Way to Go Home

Go to **Main Menu** → **Home** → **Change Method**

- Quickest Route
- Shortest Route
- Maximise/Minimise Motorway
- With/Without Toll Road
- With/Without Ferry
- With/Without Car Train
- With/Without Congestion Charge Zone



## ■ One-Touch Go Home

For an even easier way to immediately get guidance instructions to your home, you can press and hold the flag  on the circle key for 2 seconds. This will instantly display the destination confirmation screen and guide you to your home location.

# ROUTE

## ■ Recalling the Manoeuvre List during Guidance

You can view a list of street names and upcoming turns and streets.

- 1 Go to **Main Menu**.  
→ **Route**
- 2 Touch **Manoeuvre List**.
- 3 List of upcoming streets and turns appears on the screen.



To preview a specific point, select a street name/manoeuvre on the list.

To go back to Route List,  
Go to **Main Menu**.

→ **Route**



## ■ Finding Alternate Route

Touch **Main Menu**.

→ **Route**

→ **Change Method**

You can choose and re-calculate a different route based on Quickest Route, Shortest Route, maximise/minimise Motorway, with/without Toll Road, etc.

## ■ Avoid a Street

Touch **Main Menu**.

→ **Route**

→ **Avoid**

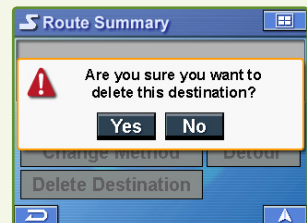
You can avoid the current street, another street on the calculated route, or a traffic incident.

## ■ Delete Route

Go to **Main Menu** → **Route**

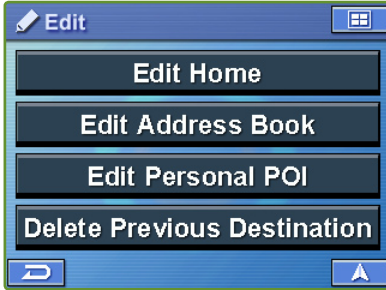
→ **Delete Destination** → **Yes**

Note: After deleting the destination, you can not select Route Menu until the next destination is set. To set up the destination, see Destination Menu on Page 16.



# EDIT

Locations and addresses saved in the Address Book can be edited for quick recall. Also information including phone numbers and icons can be modified.



## ■ Editing Home

- 1 Go to **Main Menu**.  
→ **Edit**
- 2 Touch **Edit Home**.
- 3 "Edit Home" screen appears.  
See below for details.



**Name** Touch **Name** to change the display name of the stored location.

Note: For the details of selecting letters, see page 17.



Input Name Screen

## ■ Editing Address Book

- 1 Go to **Main Menu**.  
→ **Edit**
- 2 Touch **Edit Address Book**
- 3 The list of addresses appears. Select the destination you need to modify.
- 4 "Edit Address Item" screen appears. See below for details.

Note: Select **DELETE ALL** to delete all addresses saved in the address book.

## ■ Deleting Previously Saved Destinations

- 1 Go to **Main Menu**.  
→ **Edit**
- 2 Touch **Delete Previous Destination**.
- 3 Select destination you need to delete.
- 4 Touch **YES** to delete the destination on the confirmation screen.

Note: Select **DELETE ALL** to delete all recently entered destinations.

**Tel** Touch **Tel** to change the telephone number of the stored location.

**Map** Touch **Map** to preview the location on the map.

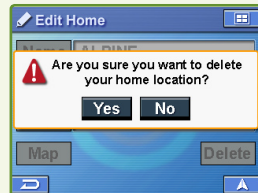
To go back to Edit Menu,  
**Main Menu → Edit**

**Delete** Touch **Delete** to delete the stored location.

**Icon** Touch **Icon** to change the icon of the stored location on the map.



Edit Telephone Screen



Delete Screen



Change Icon Screen





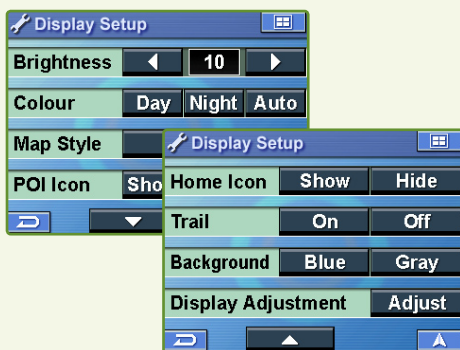
# SETUP

You can customize Display, Guidance, Clock, Measuring Unit and FM frequency settings from the Setup Menu.

- 1 Go to **Main Menu**.
- 2 Select **Setup**.
- 3 Setup screen appears.



## ■ Customizing Display



### Setting the Map Colour

- Day - a bright tone screen
- Night - a dark tone screen
- Auto - switches automatically between Day and Night modes

### Displaying and Editing Icons on the Map

POI Icons, the Home Icon and Icons used in the Address Book can be turned on and off from the Display Setup Menu. You can also change these icons.

### Setting the Map Style

You can choose between 2 map styles.

### Background Colour

You can choose between gray or blue backgrounds for all menu screens.

### Trail

The Trail feature allows you to turn on and off trail dots that appear wherever the vehicle icon traverses. This is especially helpful for off-road enthusiasts.

### Brightness

The brightness of the screen can be adjusted.

# SETUP

## ■ Customizing Guidance

### Turning Voice On and Off

This allows you to turn ON or OFF guidance voice prompts.

### Changing Navi Mix Volume

This allows you to vary the volume of the voice prompts with respect to the music.

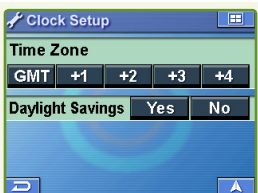
### Setting Estimate Time Display

Estimated Time of Arrival (ETA) or Estimated Time Remaining (ETR) can be set here. You can also change between ETA and ETR directly in the map screen. See page 14.



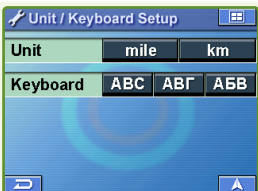
## ■ Setting up the Clock

You can set the Time Zone and Daylight saving setting to fit your region.



## ■ Switching the Measuring Unit and the Keyboard

You can choose the unit of measure.



## ■ Configuring System Settings

### FM Transmitter Setup / Frequency

Only for the US model.

### Remote Control

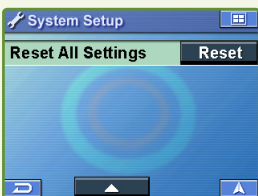
This feature allows you to turn ON the ability for the system to receive remote control signals. Turning OFF the remote control extends battery life while the system detached from the cradle or AC adapter.

### Beep

The key touch tone (beep) can be turned OFF/ON.

### Reset All Settings

This will reset all the set values to the factory defaults.



## ■ Configuring Traffic Info Settings

Note: The service may not be available in some countries or due to insufficient FM radio reception.

### Selecting the Country

- Auto** - the system automatically selects the country which you are in.
- Manual** - you can manually select a particular country, especially when you have a problem with reception near the country border.

### Selecting the Radio Station

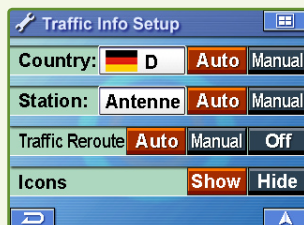
- Auto** - the system automatically tunes to the station with a good reception.
- Manual** - you can manually select a particular station. It will take some minutes to search all the radio stations.

### Traffic Reroute

- Auto** - the system automatically calculates a new route, if there is a traffic incident on the current route.
- Manual** - the system asks you if you would like to avoid the traffic incident on the current route.
- Off** - the system does not take traffic incidents into consideration.

### Show Icons

You can show/hide traffic incident icons on the map.



# INFORMATION

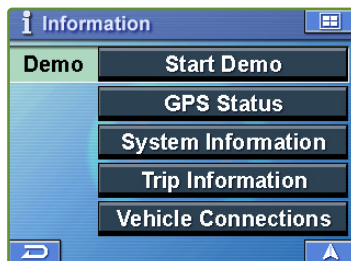
## ■ Simulating Navigation

You can watch a demonstration of the navigation system's voice and screen guidance.

Note: Please set a destination before starting a demonstration.

### To Start a Demonstration

- 1 Go to **Main Menu**.
- 2 Select **Information**.
- 3 Select **Start Demo**.
- 4 Demonstration starts.



### To Stop a Demonstration

- 1 Go to **Main Menu**.
- 2 Select **Information**.
- 3 Select **Stop Demo**.
- 4 The demonstration will end.

## ■ Viewing Trip Information

The odometer displays the route distance and time travelled.

- 1 Go to **Main Menu**.  
→ **Information**
- 2 Select **Trip Information**.



Here, you can see different types of information pertaining to your current trip.

Driving Average: Average speed since Trip Info was reset.

Overall Average: Average speed since start of trip.

Maximum Speed: Maximum speed reached on this trip.

Driving Time: Time vehicle has been moving since the trip was reset.

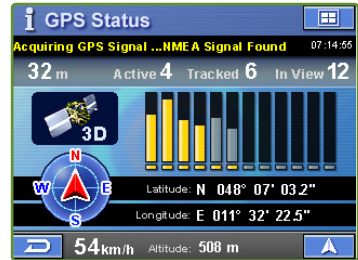
Idle Time: Time vehicle has been stopped (not moving) since the trip was reset.

Total Time: Total elapsed time on the trip which is always the driving time plus idle time.

## ■ Viewing GPS Status

You can view the dynamic location information received from satellite such as signal strength, compass (direction information), latitude/longitude, approximate altitude, and speed. This feature allows you to view GPS satellite signal information. An explanation of the messages is shown below.

- 1 Go to **Main Menu.**  
→ **Information**
- 2 Select **GPS Status.**



The following messages are displayed while the GPS receiver is tracking satellites:

**“Locating GPS Satellites”:** Blackbird searches the sky looking for GPS satellites.

**“Acquiring GPS Signal”:** Blackbird acquires positioning information transmitted from 1 to 3 tracked satellites while searching for more satellites (minimum 4 needed).

**“Fixing GPS Position”:** Blackbird requires continuous signals from 4 or more tracked satellites (for 30 seconds) in order to accurately fix your position.

**“Temporary Poor GPS Coverage”:**

Thunderstorms, dense foliage or surrounding tall buildings may cause temporary loss of position fix (acceptable if under 30 seconds).

**“Poor GPS Signal, Lost Position Fix”:** You may have entered an area where consistently poor GPS signal (lasting 30 seconds or more) makes it impossible to maintain a position fix.

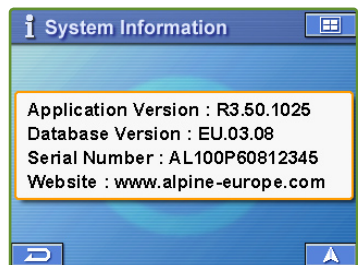
**“No Line of Sight, Lost GPS Tracking”:**

You are in an area where line of sight to GPS satellites has been blocked.

## ■ Viewing System Information

You can check software application, database version, and other information in this screen. Make a note of this information and refer to it whenever you communicate with Alpine Customer Support or your Alpine authorized dealer.

- 1 Go to **Main Menu.**  
→ **Information**
- 2 Select **System Information.**



# TRAFFIC INFORMATION

Traffic incident not on the calculated route



Traffic incident on the calculated route, which is also triggering reroute (Stationary traffic, Traffic congestion, Closed road, etc.)

Traffic incident on the calculated route, which is not triggering reroute (Roadwork, Closed lane, etc.)

## ■ Checking the Traffic Condition

Note: The service may not be available in some countries or due to insufficient FM radio reception.

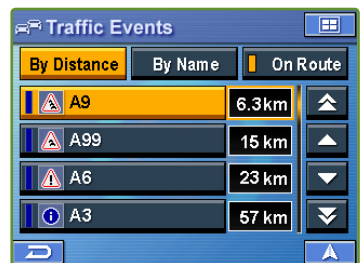
- 1 Go to **Main Menu**.  
→ **Traffic Info**, or touch the TMC icon on the map.
- 2 Traffic event list appears.

### By Distance/By Name

The list can be sorted by distances from your current position or by names of streets.

### On Route

You can choose to see only the traffic events on the current route or all the traffic events by touching this button.



## ■ Getting more Information on a Traffic Incident

You can get more information on a particular traffic incident by touching the item in the traffic event list.

Note: The amount of information depends on the data broadcasted by the service provider.

### Map

The location of the traffic incident will be displayed on the map.

### Detail

The detail of the traffic incident will be displayed if there is any information.





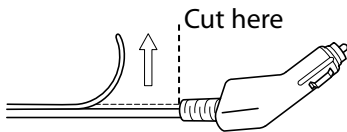
# TRAFFIC INFORMATION

## ■ To Improve Traffic Signal Reception, Please Follow These Instructions

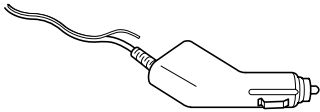
If you need any further assistance, contact your authorized Alpine dealer or Alpine Customer Support.

### Method 1

- 1 Separate the RDS traffic antenna from the power cable. Peel away about **13 cm / 5 inches**.



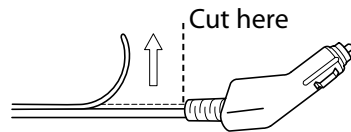
- 2 Leave the RDS traffic antenna hanging free (picture below).



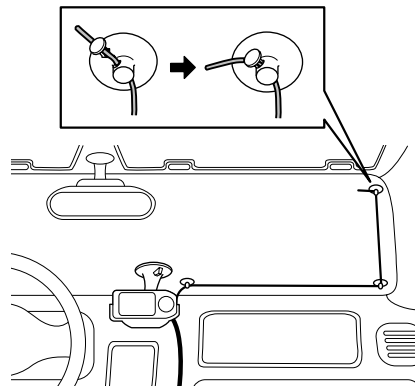
(If this does not improve traffic reception, please proceed to Method 2.)

### Method 2

- 1 Separate the RDS traffic antenna from the full length of the power cable leaving this connected only to the cradle.



- 2 Move the RDS traffic antenna on windshield using suction cups (pictured below).



\*example installation only

# ENTERTAINMENT

## ■ Listening to Audio



Touch **M.I.X.** to shuffle songs.  
Touch **M.I.X.** again to cancel the shuffle.

Touch **REPEAT** to repeat songs.  
Touch **REPEAT** again to cancel the repeat.

## ■ Playing Music on Your Blackbird

You can play MP3 or WMA music files\* from your SD or MMC card. Your music can be arranged in sub-folders for easy retrieval when using your Blackbird device.

\*Blackbird only supports MP3 and WMA files without DRM.

- 1 Insert an SD or MMC card containing folders with music files in the SD/MMC slot. The system will scan for music.
- 2 Touch **Folder Search** to search the memory card.
- 3 Select a folder, then select a song to play. The music will start playing the song you selected.

## OTHER USEFUL FEATURES

### ■ How to Listen to Guidance and Music from Your Car Stereo

(Only for the US Model)

#### Turning on the Transmitter and Playing Music from Your Radio

You can setup Blackbird to broadcast music and navigation voice guidance directly to your FM radio.

- 1 Plug the cradle into your vehicle's cigarette lighter/power outlet.
- 2 Insert Blackbird into the cradle (See page 8 for details).
- 3 Turn on your radio. Find an FM frequency from the following that is broadcasting nothing but static: 88.1 MHz, 88.3 MHz, 88.5 MHz, 88.7 MHz, 88.9 MHz, 106.7MHz, 106.9 MHz, 107.1 MHz, 107.3 MHz, 107.5 MHz, 107.7 MHz, 107.9 MHz (do this with Blackbird off at first).
- 4 Turn on Blackbird.
- 5 On Blackbird, go to **Main Menu → Setup → System**. The default broadcast frequency is 88.1 MHz.
- 6 Turn the transmitter button ON in System Setup screen.
- 7 Set Blackbird to that frequency and play music files on Blackbird. (Touch **Main Menu → Entertainment**, or simply press Music button) Blackbird provides 12 frequencies to choose from. You may have to try a few frequencies before you find one that works best in your vehicle.

#### Turning Off the Transmitter

- 1 Turn off or turn down the volume of your radio first to avoid the static noise.
- 2 On Blackbird, go to **Main Menu → Setup → System**.
- 3 Turn the transmitter button OFF in System Setup screen.

### ■ How to Update the New Software and Map Database

Using your home PC, Blackbird can be updated with the latest mapping and Point of Interest information. Please refer to instructions included with the update software on how to upgrade your Blackbird system.

## IN CASE OF DIFFICULTY

If you encounter a problem, please review the items in the following checklist. This guide will help you isolate the problem if the unit is at fault. Otherwise make sure the rest of your system is properly connected, batteries are completely charged and contact your authorized Alpine dealer or Alpine Customer Support.

The vehicle's position is erroneous.

Reset the unit and drive the vehicle in an area of good GPS reception to allow the unit to recalibrate itself.

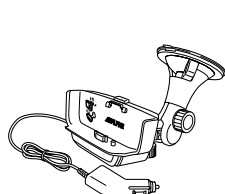
Move to a location where strong GPS reception is possible.

No operation

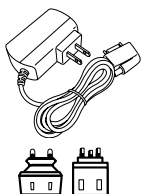
- Moisture condensation → Allow enough time for the condensation to evaporate (about 1 hour).
- Ambient temperature over 45°C (113°F) → Lower the temperature in the vehicle to below 45°C (113°F) by driving with the windows open or air conditioner on.
- Blown fuse → Replace with a fuse of the prescribed rating (2A glass-type fuse located in the head of the cigarette lighter adapter).

# IN THE BOX

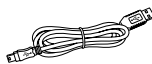
## Accessories



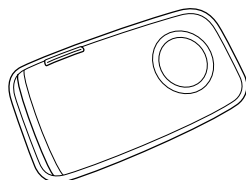
Cradle with Cigarette Lighter Charger



AC Adapter



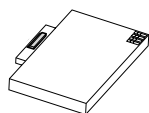
USB Cable



Carrying Case



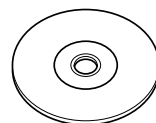
Wiping Cloth



1200mAh Battery



Quick Reference Guide



PDF Manual on CD

## Optional Accessories

The following accessories are available from your authorized Alpine dealer.

1. **PMD-DOK1** – A Docking Station that allows you to connect and experience Blackbird navigation and music player from your Alpine Multimedia Station or stand-alone display.
2. **KAE-500FM** – An external RDS-TMC film antenna for PMD-DOK1.
3. **PMD-KIT1** – A second car kit comprised of windshield mount, cradle, and home AC charger.
4. **PMD-ANT1** – An external GPS antenna hard-wired to Blackbird used in instances where you cannot normally receive GPS signals inside the car, due to metallic window tint, etc.
5. **PMD-BAT1** – A 1200 mAh Li-Polymer battery for extra battery power on the go.
6. **RUE-4135** – A combination navigation and audio remote control that allows you to control most of Blackbird's navigation features wirelessly.

# SPECIFICATIONS

## BLACKBIRD SPECIFICATIONS

<b>Main Unit Size</b>	145mm x 74mm x 29mm (6.1" x 2.9" x 1.2")
<b>Main Unit Weight</b>	227 g (8 oz)
<b>CPU</b>	Centrality Atlas II ARM9 CPU
<b>GPS</b>	Embedded 16 channel GPS, Built-In Main Unit Antenna with Optional External Antenna Connection
<b>Storage Media</b>	Built-In 1" HDD with Pre-Loaded Maps of western Europe and over 1 Million Points of Interest
<b>Card Slot</b>	Secure Digital (SD) or Multimedia Card (MMC) for playback of MP3 or WMA music files
<b>Audio</b>	Integrated speaker in main unit, amplified speaker in cradle, stereo headphone jack, optional docking station audio output
<b>FM Transmitter</b>	Built-in cradle, up to 12 selectable frequencies (only for the US model)
<b>RDS-TMC Tuner</b>	Built-in main unit w/antenna in cradle power cable
<b>USB Interface</b>	2.0
<b>Power Requirements</b>	
<b>Handheld Mode</b>	5V @ 1A (via 1200 mAh Li-Polymer Battery, approximately 2 hours of continuous use)
<b>Cradle Mode</b>	12 VDC @ 2A (via Cigarette Lighter Adapter)
<b>Fuse</b>	AGC/3AG -2Amp
<b>Operating Temp</b>	0° to +60° C (32° to 140° F)
<b>Storage Temp</b>	-25° to +70° C (-13° to 158° F)
<b>Display</b>	
<b>Screen Size</b>	3.6" diagonal
<b>Resolution</b>	QVGA 320 x 240 pixels, 16.7M possible colors
<b>Display Type</b>	Digital TFT display with anti-glare touch screen
<b>Brightness</b>	200 cd/m <sup>2</sup> (typical)

Note: Due to continuous product improvement, specifications are subject to change without notice.

# INDEX

<b>A</b>			
Accessories	42		
<b>B</b>			
Background Colour	31		
Basic Operation	12		
Battery Installation	9		
Battery Status	14		
Beep	32		
Brightness	31		
<b>C</b>			
Changing Navi Mix Volume	32		
Confirm Destination Screen	16		
<b>D</b>			
Destination	16		
Setting a Destination by Address	16		
Setting a Destination by Coordinates	23		
Setting a Destination by Intersection	21		
Setting a Destination by POI	18		
Setting a Destination by Postal Code	20		
Setting a Destination by Recently Entered Destination	20		
Setting a Destination from the Address Book	18		
Setting a Destination in the City Centre	22		
Displaying and Editing Icons on the Map	31		
<b>E</b>			
Edit	28		
Adding/Editing/Deleting Your Own POI	30		
Adding/Editing/Deleting Your Own POI Category	30		
Deleting Previously Saved Destinations	29		
Editing Address Book	29		
Editing Home	28		
Entertainment	39		
Listening to Audio	39		
Playing Music on Your Blackbird	39		
<b>F</b>			
Find Local POI	24		
FM Transmitter Setup / Frequency	32		
<b>H</b>			
Home	26		
Finding Alternate Way to Go Home	26		
Finding a Way Home	26		
One-Touch Go Home	26		
How to Fit Blackbird	8		
How to Reset Blackbird	9		
<b>I</b>			
Important Information	2		
Index	44		
Information	34		
Simulating Navigation	34		
Viewing GPS Status	35		
Viewing System Information	35		
Viewing Trip Information	34		
Installation	8		
In Case of Difficulty	41		
<b>M</b>			
Map Function	14		
GPS Status	14		
Repeating the Announcement	14		
Setting a Destination Directly from Map Display	15		
Setting Estimate Time Display	14		
Setting the Map Orientation	14		
Switching Map Display	15		
Traffic Information	14		
Zoom In/Out Map	14		
<b>N</b>			
NAVTEQ end user license agreement	4		
<b>O</b>			
Other useful features	40		
How to Listen to Guidance and Music from Your Car Stereo	40		
How to Update the New Software and Map Database	40		
<b>P</b>			
Precautions	2		
<b>R</b>			
Remote Control	32		
Reset All Settings	32		
Route	27		
Avoid a Street	27		
Delete Route	27		
Finding Alternate Route	27		
Recalling the Manoeuvre List during Guidance	27		
<b>S</b>			
Saving a Destination into the Address Book	24		
Selecting the Country	33		
Selecting the Radio Station	33		
Setting Estimate Time Display	32		
Setting the Map Colour	31		
Setting the Map Style	31		
Setting Waypoints	25		
Setup			
Configuring System Settings	32		
Configuring Traffic Info Settings	33		
Customizing Display	31		
Customizing Guidance	32		
Setting up the Clock	32		
Switching the Measuring Unit and the Keyboard	32		
Show Icons	33		
Specifications	43		
System Features	10		
<b>T</b>			
To Remove the Navigation System from the Cradle	8		
Traffic Information	36		
Checking the Traffic Condition	36		
Getting more Information on a Traffic Incident	37		
Traffic Reroute	33		
Trail	31		
Turning Voice On and Off	32		
<b>U</b>			
User Agreement	4		
<b>W</b>			
Warnings	3		







**ALPINE ELECTRONICS MARKETING, INC.**

1-1-8 Nishi Gotanda  
Shinagawa-ku, Tokyo 141-0031, Japan  
Phone 03-5496-8231

**ALPINE ELECTRONICS OF AMERICA, INC.**

19145 Gramercy Place, Torrance,  
California 90501 U.S.A.  
Phone 1-800-ALPINE-1 (1-800-257-4631)  
1-888-NAV-HELP (1-888-628-4357)

**ALPINE ELECTRONICS OF CANADA, INC.**

777 Supertest Road, Toronto,  
Ontario M3J 2M9 Canada  
Phone 1-800-ALPINE-1 (1-800-257-4631)  
1-888-NAV-HELP (1-888-628-4357)

**ALPINE ELECTRONICS OF AUSTRALIA PTY, LTD.**

161-165 Princess Highway,  
Hallam Victoria 3803, Australia  
Phone 03-8787-1200

**ALPINE ELECTRONICS GmbH**

Frankfurter Ring 117,  
80807 München, Germany  
Phone 089-32 42 640

**ALPINE ELECTRONICS OF U.K., LTD.**

ALPINE House  
Fletchamstead Highway,  
Coventry CV4 9TW, U.K.  
Phone 0870-33 33 763

**ALPINE ELECTRONICS FRANCE S.A.R.L.**

(RCS PONTOISE B 338 101 280)  
98, Rue de la Belle Etoile, Z.I. paris Nord II,  
B.P. 50016, 95945 Roissy Charles de Gaulle  
Cedex, France  
Phone 01-48638989

**ALPINE ITALIA S.p.A.**

Viale C. Colombo 8, 20090 Trezzano  
Sul Naviglio (MI), Italy  
Phone 02-484781

**ALPINE ELECTRONICS DE ESPAÑA, S.A.**

Portal de Gamarra 36, Pabellón, 32  
01013 Vitoria (Alava)-APDO 133, Spain  
Phone 945-283588

**ALPINE ELECTRONICS (BENELUX) GmbH**

Leuvensesteenweg 510-B6,  
1930 Zaventem, Belgium  
Tel.: 02-725 1315