

ROAD ANGEL™ COMPACT

QUICK START GUIDE

Thank you for purchasing your ROAD ANGEL COMPACT. This is a Quick Start guide, the full operational manual can be viewed and downloaded at: www.blackspot.com/support



- 1 Windscreen mounting bracket 4 Windscreen suckers
2 Road Angel COMPACT 5 Anti-Vibration dampers
3 Cigar socket adaptor 6 Power / USB connecting cable



Front View

- 7 Menu Button**, press to enter and navigate ROAD ANGEL's settings or mute unit.
8 Speaker
9 Display, shows speed and time
10 Delete Button, press to change ROAD ANGEL settings or remove alert zone from internal database.
11 Store Button, press to enter new zones and confirm new settings.
12 Magnetic Base, magnet in base of ROAD ANGEL to mount on rubberised metallic disk on mounting bracket or dash pad.

Side/Rear View

- 13 GPS Antennae Socket**, used to connect external GPS antennae (available separately).
14 Mini-USB/Power Port, PC connection – use to obtain database updates and power the device via the cigar socket using the cable supplied.
15 Auxiliary Port, connection of additional laser sensor (available separately).



ROAD ANGEL's Database

ROAD ANGEL uses a database of Police, Local Authority and Ministry of Transport designated danger spots, including accident black spots and safety camera locations, primary schools and congestion charging zones. Your Road Angel can store up to 50,000 unique danger locations. Using the latest Global Positioning Satellite (GPS) technology, ROAD ANGEL compares your position with known danger spot locations and gives you an audible and visual warning as you approach them. It is critical to the accurate operation of your ROAD ANGEL that you update your unit regularly to maintain the very latest data. With up to 100 new hazard locations added each month, we suggest that you update your ROAD ANGEL monthly. If you are a high mileage driver, using unfamiliar roads, we recommend weekly updates.

To qualify for database updates:

- 1 Register your ROAD ANGEL with Blackspot Interactive Ltd. You cannot update the database until you have registered.
- 2 Purchase a valid subscription package. Your new ROAD ANGEL comes with an initial, free, 6-month subscription

Register Now!

Register your ROAD ANGEL immediately after purchase. This is important for two reasons:

- You cannot update the unit until it has been registered. Database information will be significantly out-of-date at the time of purchase and should be updated as soon as possible.
- Without registration, we cannot resolve warranty issues, log queries or solve problems with your ROAD ANGEL.

REGISTER your unit in one of the following ways:

- 1 Register online:
 - a) Go to www.blackspot.com
 - b) Click on the Product Registration link. The Product Registration form, is displayed.
 - c) Enter your ROAD ANGEL's serial number. You can find this on the back of the unit.
 - d) Click on the SUBMIT button. Once your details have been entered, you will be prompted to download the update software directly to your PC. The registration process normally takes one full working day – you can then use the software to update your ROAD ANGEL.
- 2 If online registration is not possible, please call the Registration helpline (recorded) on: 0870 084 7439. Leave your name, address and telephone number and we will forward a registration form to you the same working day (Mon - Fri).

Updating

In order to ensure that you obtain the latest update software we do not provide a CD with this product. To download and update ROAD ANGEL COMPACT visit www.blackspot.com/support and follow the step by step guide.

Subscriptions

Your ROAD ANGEL comes with a free subscription for six months of database updates and product support. It is critical to the operation of your ROAD ANGEL that you update the unit regularly and so continued subscription is essential. With constant additions to the ROAD ANGEL database (1000+ sites per year), the benefit of your ROAD ANGEL and the protection it provides will be dramatically reduced if you fail to maintain your database. Towards the end of your initial subscription period, we will contact you with more details of our subscription packages. You can also subscribe online at: <http://www.blackspot.com/subscriptions/>

Warranty

Your ROAD ANGEL is guaranteed for one year from the date of purchase from all defects that occur with normal use. If your unit fails to perform as specified in these instructions, please visit: <http://www.blackspot.com/warranty>

This section shows you how to install ROAD ANGEL in your vehicle.

Muting Audio and Speech Warnings

You can stop audio and speech warnings temporarily when you are in a danger zone, or permanently from Standby mode:

- To temporarily mute audio and speech warnings when in a danger zone, press the MENU or STORE buttons. When you have passed out of the danger zone, ROAD ANGEL restores audio and speech alerts to your current menu settings.
- To stop all audio output, press and hold down the MENU button for about two seconds from Standby mode. ROAD ANGEL displays the Alerts menu icon briefly and then returns to standby mode. The audio icon is overlaid with a cross. Repeat the procedure to restore audio output.

To customise audio and speech alerts for each type of danger zone, adjust the appropriate settings in the Alerts menu.

Alert Types

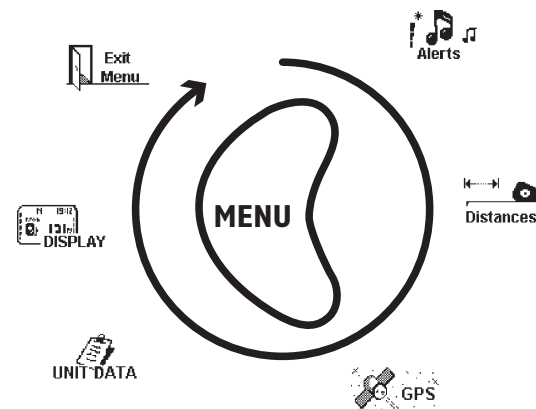
Fixed		You are approaching a fixed speed camera ahead. Road Angel only alerts you if you are travelling in the direction that the camera enforces.
Mobile		Temporary speed camera ahead, often seen in roadworks, or at a speedmaster location.
Average		You are entering an average speed detection zone. The icon remains on screen whilst you are inside the enforcement zone.
Blackspot		Optional setting: You are approaching an accident blackspot – an area identified by the police and local authorities.
School		Optional setting: You are near a Primary school
Congestion		Optional setting: You are approaching a congestion charging zone
Overspeed		Optional setting: You are exceeding the speed you have set in the alerts menu.

Customising ROAD ANGEL

You can change the way ROAD ANGEL works by adjusting its menu settings. Press the MENU button to view the menus and cycle through them.

ROAD ANGEL's properties are categorised in the following menus:

Alerts:	How ROAD ANGEL alerts you to road dangers with audio and visual prompts
Distances:	Set the distance at which ROAD ANGEL commences its alerts
GPS:	GPS information including RescueLoc
Unit Data:	Technical information about your ROAD ANGEL: its serial number and firmware version
Display:	Screen contrast, speed units and time settings.



Mounting the Unit

We recommend that you install your ROAD ANGEL on the dashboard of your vehicle. ROAD ANGEL has an internal high sensitivity GPS antenna and requires a clear view of the sky to communicate with GPS satellites. If you want to install ROAD ANGEL anywhere else within your vehicle, you will require an external GPS antenna. Please contact Blackspot Interactive Ltd or visit www.blackspot.com for details.

ROAD ANGEL has a quick release magnetic base and is supplied with:

- A bracket for mounting ROAD ANGEL on the front windscreen.
- A mounting pad for fixing ROAD ANGEL directly onto the dashboard.

Assembling the windscreen mounting bracket

- 1 Locate the seven anti-vibration dampers; there are three pairs of round dampers and a long rectangular bar.
- 2 Select a pair of dampers according to the pitch of your vehicle's windscreen:

Windscreen pitch

Low, streamlined e.g. Sports car style
Standard e.g. Saloon style
Upright e.g. 4x4 style

Damper Type

short
medium
long

- 3 Insert the selected pair of dampers into the two holes, towards the back, and slide towards the back. These dampers hold the bracket at the correct angle and stop it from touching the windscreen. You may need to experiment with different combinations of the dampers to get the best fit.
- 4 Press the rectangular damper into the 3 holes along the front edge of the bracket. This damper stabilises the ROAD ANGEL in the mounting bracket.
- 5 Push the two clear suction cups into the large holes on the top of the bracket. Slide across to the smaller holes towards the outside edge of the bracket.
- 6 Attach the bracket to your vehicle's windscreen. Read the guidelines in the next section.



Do not leave the bracket on the front windscreen without the product attached, for security issues.

Dash Mount Pad

- 1 Find a suitable position on the dashboard
- 2 Remove backing and stick firmly



Choosing the location

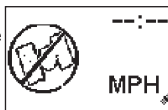
No ROAD ANGEL or associated items should be attached to or placed across the padded surface of the airbag module on the passenger side of the dash panel. All wiring must be tucked away so as not to interfere with any of the vehicle's controls.

Getting Started

- 1 Place ROAD ANGEL onto the mounting bracket or dashboard pad. When located correctly on the rubberised pad, ROAD ANGEL is held firmly in position because of a magnet within its base.
- 2 Park your vehicle outside with a clear view of the sky through your windscreen (clear of obstacles such as tall buildings and overhanging trees – these may delay or prevent satellite acquisition).
- 3 Plug the cigar socket adaptor into the cigar port in the vehicle. If your socket is ignition-switched you will need the ignition to be on.
- 4 Connect the power cable into the port on the back of the adaptor and the other end into the power port on the device. ROAD ANGEL flashes its blue and red backlights. If you have not updated your ROAD ANGEL, the display illuminates red and prompts you to 'Please register your ROAD ANGEL and execute an update. Any key to continue'. Press any button to clear this screen. When you have updated ROAD ANGEL, this message will not appear again.



- 5 The display illuminates blue and ROAD ANGEL starts searching for satellites. The first time the unit is switched on, it must acquire data from a minimum of 4 satellites to establish its position. THIS MAY TAKE UP TO 45 MINS. After approximately 4 hours use, ROAD ANGEL's internal battery will be charged sufficiently for it to be able to memorise its position. Subsequent starts will acquire satellites within 1-2 minutes.
- 6 When ROAD ANGEL has established its position, the display shows your speed (0 if you are stationary). Your unit is now ready for use.



Some vehicles, for example Renault, Citroen, Peugeot, Vauxhall, Ford, some BMWs and Mercedes have what is known as an Athermic, comfort or UV windscreen. This interferes with the satellite signal being received by Road Angel which results in either no speed being displayed, intermittent or erratic speeds. An antenna will be required visit www.blackspot.com/support for more information.

Understanding the Display

Standby Mode

In its normal standby mode, ROAD ANGEL's display shows your speed, the time satellite reception (indicated by a five-bar column), and either the time or your heading.

- 1 Speed
- 2 Time or Heading
- 3 Satellite reception



Speed Measurement

ROAD ANGEL calculates your vehicle speed from GPS data. The speed is updated every second and, at a constant speed, is highly accurate. If you are accelerating or decelerating, the displayed value will lag behind the actual speed by a small margin. You may find a difference between the reading on your vehicle's speedometer and ROAD ANGEL. This is because all vehicles are manufactured with a tolerance on the speedometer to allow for tread depth, tyre size and pressure changes.

Illustration of the procedure for changing ROAD ANGEL's settings: how to view and change the Camera Alert Volume Setting.

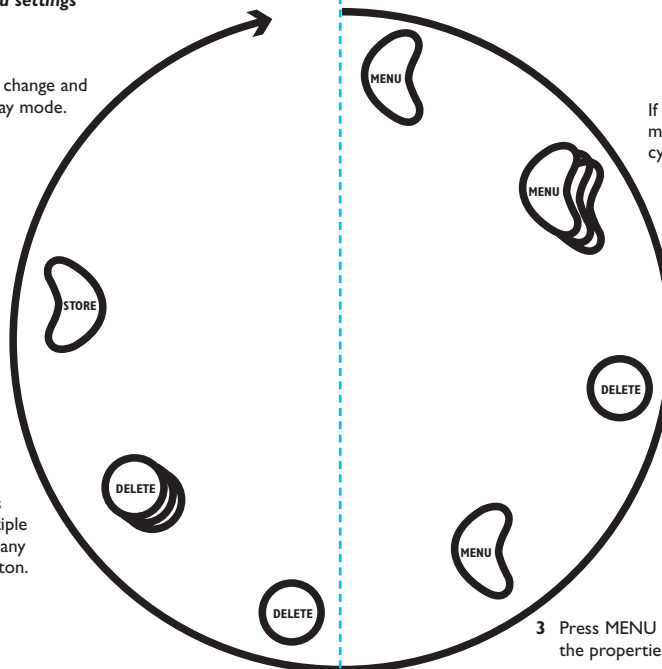
Please only change the menu settings when it is safe to do so.

- 7 ROAD ANGEL confirms the change and returns to its Standby display mode.

- 6 When the screen displays the setting you require, press STORE. The property is updated with the new value.

- 5 Press DELETE to cycle through the available values for the property. With multiple options, this may require many presses of the DELETE button.

- 4 When the property you want to change is displayed, press DELETE. The screen shows the options available for the property



Alert Mode

When you are approaching a known danger zone, the LCD display turns from blue to red and the type of danger is shown on the left side of the display. The table on the next page shows the types of alerts issued by ROAD ANGEL:

- 4 Proximity to hazard counter
- 5 Advisory speed limit/type icon (alternating)
- 6 Alert type in text
- 7 Speed



In addition:

- The Proximity-to-hazard counter increases from 1 to 5 bars as you get closer to the danger zone.
- Speech warnings will tell you the type of zone followed by an audible tone that increases with your proximity to the hazard.

Use the advisory speed limit for guidance only. You should always know the speed limit and take account of driving conditions.

The directors of Blackspot Interactive Ltd. sell Road Angel COMPACT as a road safety enhancement device. Driving within the speed limits at all times and within the limitations of the road condition and your abilities is paramount. The directors of Blackspot Interactive Ltd. take no responsibility for the use of Road Angel COMPACT for other purposes than those stipulated.

Blackspot Interactive Ltd. Have made every effort to ensure that all the information contained in this guide is accurate and reliable. However, the information is subject to change without notice.



Blackspot Interactive Limited
Unit 5, New Rookery Farm, Little London
Silverstone, Northants NN12 8UP
Email: info@blackspot.com
Web: www.blackspot.com

- 1 Press MENU to enter ROAD ANGEL's menu mode. The alerts menu icon is displayed

If you want to access another menu, keep pressing MENU to cycle around the other menus.

- 2 To open a menu, press DELETE. The first property in the menu is displayed. In the Alerts menu, this is Voice Alert.

- 3 Press MENU to cycle through the properties in the menu.