

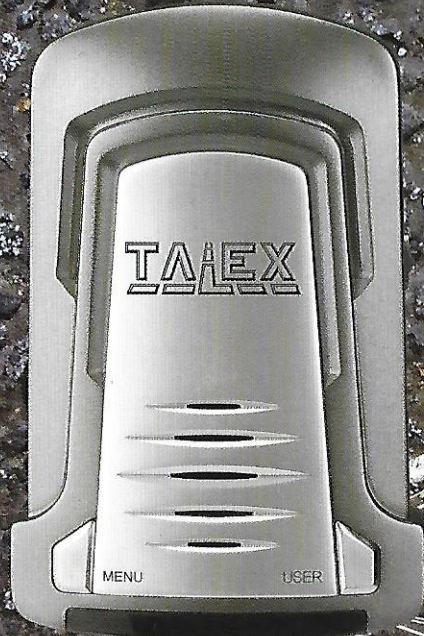
TALEX

TALEX

User Guide

www.talex.co.uk

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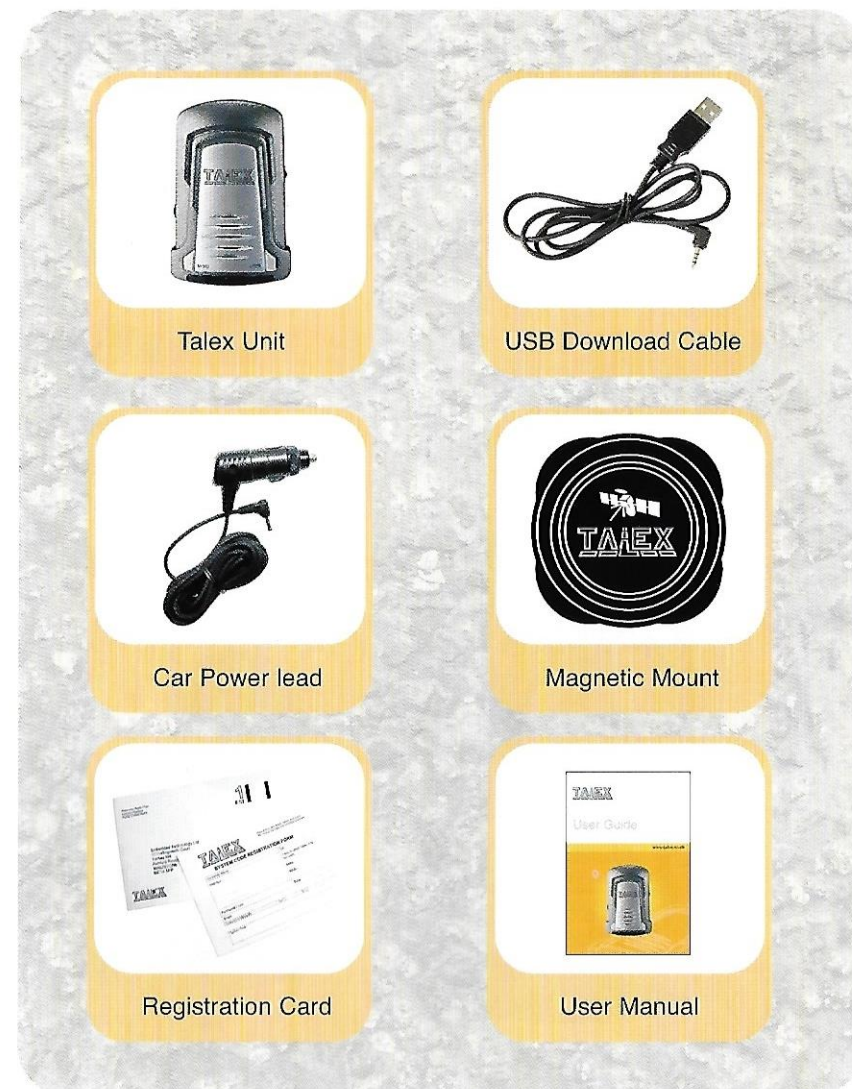
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We would like to draw specifically to your attention that we will not be liable in any way in respect of:

- 1 The failure by the user of the speed camera detector to drive safely and in accordance with all road traffic laws and regulations;
- 2 The failure by the user of the speed camera detector to install and use the speed camera detector in accordance with our instructions; &
- 3 The speed camera detector failing to warn the driver of mobile speed cameras and/or fixed speed cameras.

ALL WARRANTIES, CONDITIONS AND OTHER TERMS IMPLIED BY STATUTE OR COMMON LAW (SAVE FOR CONDITIONS IMPLIED BY SECTION 12 OF THE SALE OF GOODS ACT 1979) ARE TO THE FULLEST EXTENT PERMITTED BY LAW EXCLUDED FROM ANY CONTRACT BETWEEN US, PROVIDED THAT NOTHING EXCLUDES OR LIMITS OUR LIABILITY FOR DEATH OR PERSONAL INJURY CAUSED BY OUR NEGLIGENCE OR FRAUDULENT MISREPRESENTATION.

WE WILL FURTHER NOT BE LIABLE FOR ANY INDIRECT OR CONSEQUENTIAL LOSS OR DAMAGE (WHETHER FOR LOSS OR BUSINESS OR OTHERWISE) COSTS, EXPENSES OR OTHER CLAIMS FOR CONSEQUENTIAL COMPENSATION WHATSOEVER, WHICH ARISE OUT OF OR IN CONNECTION WITH THE USE OF THE SPEED CAMERA DETECTOR.



Talex Unit

USB Download Cable

Car Power lead

Magnetic Mount

Registration Card

User Manual

TALEX Unit

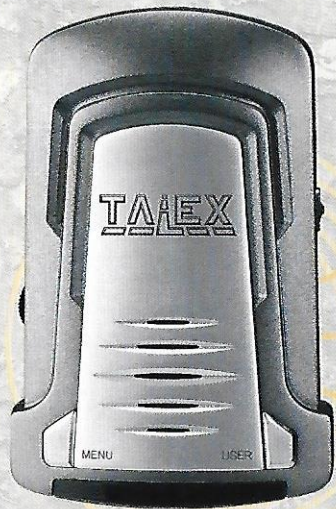
- Input Voltage: 9V – 24 V
- Current Consumption: 150mA MAX
- Speaker Output: 0.3W (16 Ω)
- Operating Temp: -10°C - +70°C
- Dimensions: 102mm(W) by 67mm (D) by 22mm(H)
- Weight: 90g

Cigar Lighter Charger

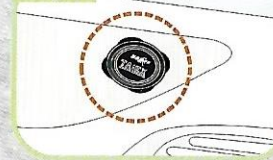
- Input: Voltage: 9V – 24V
- Capacity: 250V, 2A (Fuse)

GPS Engine

- Frequency: L1(1575.42MHZ)
- Channel: 12 Channels
- Output Format GPS DATA available via port socket: NMEA 0183; RS232, 9600 bps

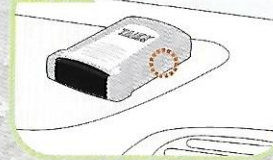


Step 1



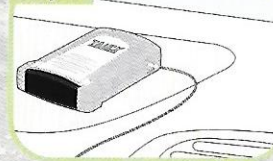
Remove the tape under the magnetic mount and attach on the dashboard of the vehicle. Location of the magnetic mount is important. Position it in order that TALEX has visibility of the sky. **WARNING:** do not mount on airbags.

Step 2



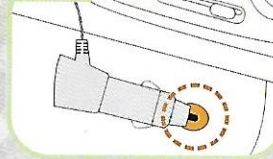
Place the TALEX unit on the magnetic mount. Select the operating mode either CAM or NORMAL. CAM mode is for Fixed and Mobile Cameras. NORMAL is for Fixed, Mobile, Accident Black Spots, Schools, and Congestion Charging Zones.

Step 3



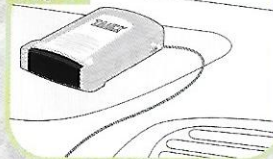
Connect the car power lead to the POWER SOCKET on the TALEX unit.

Step 4

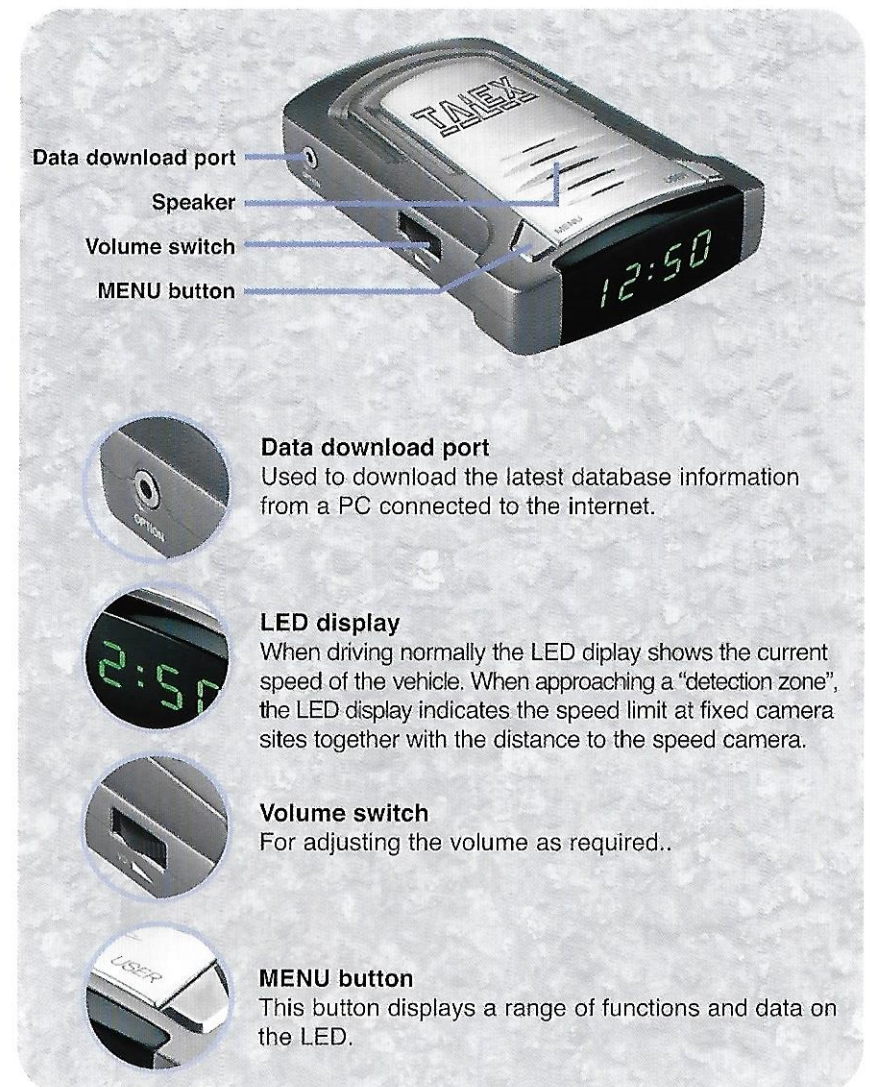
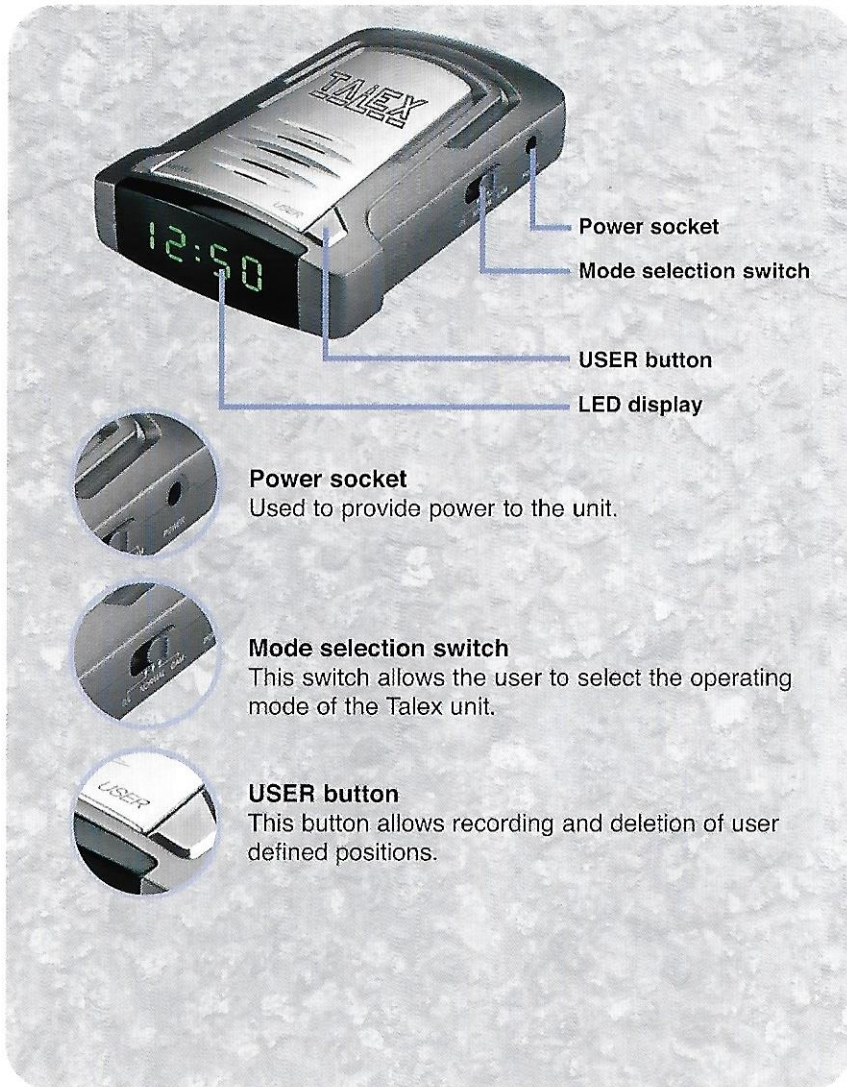


Connect the cigar plug into the vehicle cigar lighter socket.

Step 5



Adjust the position of the TALEX unit so that the display is visible to the driver.



1) Installation and power

Insert the power connector of the Car Power lead into the cigar lighter socket and the mini jack into the TALEX unit in the socket marked "Power".

2) Mode Selection

After supplying power to the TALEX, switch to either CAM or NORMAL mode by using the slide switch on the side of the unit.

D/L is the "Download position" and is to be used when a new TALEX database is to be downloaded to the unit.

NORMAL is the safe driving mode and provides information about fixed cameras, mobile cameras, accident black spots, schools and congestion charging zones. In this mode the unit also give hourly time checks and two hourly alerts.

CAM is the camera detection mode provides information on camera positions and congestion charges only.

3) Volume control

The volume of the voice warning and warning tones is adjusted by the volume control.

4) MENU button

Allows various functions to be displayed.

5) USER button

Allows the user to add or remove their own positions within the TALEX unit.

General Announcements.

When the TALEX Unit is switched on it will give an active chime and in 'Normal Mode' only it will announce 'Hello TALEX system active, fasten seatbelt'. It will flash the internal database version information in the display window, then show the current time. The unit will also begin to search for GPS satellites. If the vehicle is parked under cover this will extend the time taken to find satellites. Once the unit has detected enough satellites it will check the subscription remaining and if necessary an additional announcement will be made if the time remaining is less than 1 month / 2 weeks / 1 week. If the subscription time has expired then the device will indicate this.

The TALEX unit will make an 'update reminder' announcement and flash the current database version in the display if the database has not been updated for more than 1 month.

In 'Normal Mode' the TALEX unit will make a time announcement whilst flashing the time at the top of each hour. The time displayed will automatically adjust for British Summer Time and Greenwich Mean Time.

As a safety feature in 'Normal Mode' only the TALEX unit will make a voice announcement and flash the display after every two hours of continuous operation asking the driver to consider taking a rest.

The TALEX unit will not give the 'System active', 'Time check' or 'Two hour alert' announcements in 'CAM' mode.

In 'normal' mode the TALEX will announcement when the vehicle is in close proximity to schools, Monday – Friday between 07:00 and 18:30.

Warnings of Fixed/Mobile camera sites.

The TALEX unit will warn of fixed or mobile camera sites in both 'NORMAL' or 'CAM' mode.

When the TALEX unit is tracking satellites it will display the current time when the vehicle is stationary and the current speed (mph) when the vehicle is moving. If the display does not indicate the vehicle speed, then the unit is not yet tracking sufficient satellites. This may be due to high rise buildings, or trees, etc, or it could be that the vehicle is fitted with a UV coated windscreen which blocks not only the Sun's UV rays, but GPS signals also. See Troubleshooting section for details.

If the TALEX unit does not display the vehicle speed after 5 to 10 minutes of operation then consider resetting the unit.

Drivers should be aware that the sites designated for fixed and mobile camera operation are chosen because of a history of accidents in the area. Care should be exercised in these areas regardless of the presence of a camera.

As a vehicle approaches either a fixed camera or mobile camera site, the general principles of operation are the same. The Talex unit will make an initial announcement indicating the type of site ahead, the speed limit for the site ahead and the distance to the site ahead.

The Talex unit will inform the driver of the type of camera site ahead, these are defined as Fixed, Mobile or SPECS (average speed over distance) sites.

An indication of the distance to the site is given, typically for Fixed sites this will be 500yds, however in some cases, due to road layout it is not possible to provide 500yds warning. Under these circumstances the warning will be issued as far from the camera as possible and a generic 'camera ahead' warning is given.

The speed limit for the road at the location of the camera site will be announced and flash on the display.

As the vehicle approaches the site the display will show the current speed of the vehicle on the right hand side of the display and a representation of the distance remaining to the site on the left hand side. Each segment of the distance remaining display represents approximately 100yds. When only two segments remain the Talex unit will chime to indicate the close proximity of the site. If the vehicle is traveling in excess of the speed limit in close proximity to the camera site, then the Talex unit will make an announcement advising that the driver should reduce speed. (Drivers should obey the posted speed limits in preference to the information provided by the Talex unit).

Once the vehicle has passed the camera site, or if the driver takes an alternative route that avoids the camera site, then the unit will make an 'All Clear' chime and revert the display back to the current speed of the vehicle.

Detection of other database items.

The detection of other database items occurs only when the unit is in Normal mode. To further enhance driver safety, the Talex unit also contains information regarding schools, steep hills and sharp bends. As the driver approaches these types of location the unit will make a warning announcement. Please note there is no 'distance remaining' display shown by the Talex unit for these types of events.

Adding / Deleting User positions.

Users may wish to make a record of a position as they are driving. If the USER button is pressed whilst the vehicle is in motion, the Talex unit will store the current position and make an announcement that a 'User Position' has been saved. In future when the vehicle travels in the same direction as when the position was stored, then the driver is advised of the approaching location. A user position may be deleted from memory, if the USER button is pressed within 10 seconds of a 'User Position' announcement being made.

Button Functions:

There are two buttons on the top of the Talex unit; 'MENU' and 'USER'. The operation of the buttons depend upon whether or not the vehicle is moving.

Stationary Vehicle

Menu button

Press once:	Displays the Date (mm:dd).
Press twice:	Displays the trip distance (miles), resets to zero when power is removed.
Press three times:	Displays the average speed for the trip (mph), resets to zero when power is removed.
Press four times:	Displays the maximum speed for the trip (mph), resets to zero when power is removed.
Press five times:	Displays the current number of GPS satellites tracked.
Press six times:	Displays the current time.

Each display is shown for 10 seconds, then the display reverts back to the current time.

Pressing and holding down the MENU button for 5 seconds will force the Talex unit to restart. This should only be done if the Talex unit has been switched on for more than 5 minutes and does not display the current speed (or time if stationary).

User button

Press once:	The unit will display and announce the current position as a Latitude and Longitude.
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Moving Vehicle

Menu Button

Press once:	Displays the speed (mph) and a directional indicator.
Press twice:	Displays the bearing (degrees).
Press three times:	Displays the height above sea level (feet).

User button

Press once:	Stores the current position as a 'User position' Up to 200 positions can be stored in this way. If the user button is pressed within 10 seconds of a 'User position' announcement, the Talex unit will remove the current location from the user position list.
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Classification	When	Tone	Announcement	LED Display
Start Up	Power on	D/C	Hello - Talex system Active (Normal Mode Only)	Database version Date Time 40 14
Time Check	On the hour	None	GPS Time check at... O'Clock (NMO)	Time blinks three times 12:50
2 Hour Alert	Every 2 hours from power on	D/C	2 hour alert please consider taking a rest (NMO)	Time blinks three times 12:50
Update Reminder	1 month after last database update	D/C	Monthly alert please update Talex database via internet	Database version 40 14
500 yard Fixed Speed Camera Warning	500 yards from speed camera	D/C	Warning speed camera 500 yards ahead limit ... miles per hour	Speed limit at camera location flashes for 8 seconds - then shows current speed with LED segment counting down to camera. 30
Generic distance Fixed Speed Camera Warning	Generic distance from speed camera (when 500 yard activation point is not practical)	D/C	Warning speed camera ahead limit ... miles per hour	Speed limit at camera location flashes for 8 seconds - then shows current speed with LED segment counting down to camera. 30
Fixed Speed Camera Warning	Driving above speed limit with 200 yards to camera location	D/C	Warning reduce speed	Shows current speed L 35
Fixed Speed Camera Warning	Driving below speed limit with 200 yards to camera location	D/C	None	Shows current speed L 35
Fixed Speed Camera Warning	When joining road at a junction after activation point but in path of camera	D/C	Warning speed camera ahead limit....miles per hour	Speed limit at camera position flashes for 8 seconds 30
500 yard Possible Mobile Speed Camera Site Warning	500 yards from mobile speed camera site	D/C	Warning possible mobile camera site 500 yards ahead (limit...miles per hour) [speed limit not always added here as the mobile site could cover more than one speed limit	Speed limit at camera position flashes for 8 seconds If no speed limit entered will show current speed 30
Generic distance Possible Mobile Speed Camera Site Warning	Generic distance from speed camera (when 500 yard activation point is not practical - often on straight roads where 500 yard warning may not be sufficient.	D/C	Warning possible mobile camera site ahead (limit.... miles per hour) [speed limit not always added here as the mobile site could cover more than one speed limit	Speed limit at camera position flashes for 8 seconds if no speed limit entered will show current speed 30

D/C = Double Chime T/C = Triple Chime

NB. If travelling in possible mobile area above speed limit in normal mode the warning reduce speed announcement is not made in CAM mode.

Classification	When	Tone	Announcement	LED Display
500 Yard Red Light Camera Warning	500 yards from Red Light camera	D/C	Warning Red Light camera 500 Yards ahead limit..miles per hour [be aware some red light cameras now have a speed on green operation, also acting as speed cameras]	Speed limit at camera position flashes for 8 seconds - then shows current speed with LED segment counting down to camera. L 30
Generic distance Red Light Camera Warning	Generic distance from Red Light camera (when 500 yard activation point is not practical)	D/C	Warning Red Light camera ahead limit..miles per hour [Red Light warnings work in same way as Fixed Cameras]	Speed limit at camera position flashes for 8 seconds - then shows current speed with LED segment counting down to camera. L 30
All Clear	Passing All Cameras & Mobile Sites	T/C	None	30
** Primary School	Typically 250 yards from school	D/C	Warning Primary School (250 yards) ahead	Shows current speed 28
** Secondary School	Typically 250 yards from school	D/C	Warning Secondary School (250 yards) ahead	Shows current speed 28
** Nursery School	Typically 250 yards from school	D/C	Warning Nursery School (250 yards) ahead	Shows current speed 28
** School	Typically 250 yards from school	D/C	Warning School (250 yards) ahead	Shows current speed 28
Saving a user input position	When pressing user button when mobile		User position logged	SAVE (Blinks) SAVE
Deleting a user position	When pressing user button in close proximity to pre-logged position		User position deleted	dEL (Blinks) dEL
Changing Mode selection on slider switch	Changing to CAM position		Camera detection mode	28
Changing Mode selection on slider switch	Changing to Normal position		Safe Driving Mode	28

D/C = Double Chime T/C = Triple Chime

* 200 yards for schools

** School announcement when in normal mode Mon-Fri 07:00-18:30 only



1. When using TALEX for the first time the unit may require a warm up time of approximately 5 - 10 minutes.



2. Position TALEX system with a good view of the sky.



3. It should be remembered that satellite signals will be lost in tunnels underground car parks.



4. When you install TALEX in your vehicle, ensure that TALEX is placed on the dashboard with a clear view of the sky through the windscreen.



5. Remember that it takes a few seconds to re-acquire GPS signals after leaving a tunnel.



6. Avoid splashing unit with water or placing in areas of high humidity or in direct sunlight for long periods of time in the summer.



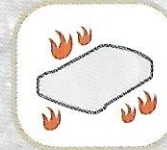
7. Place TALEX in the vehicle where it does not interfere with other controls in the vehicle.



8. Only use the in car power or USB lead provided with the Talex unit failure to do so will invalidate the warranty.



9. When TALEX is operating in the vehicle the switch should be selected to either CAM or NORMAL mode. When updating the database the switch should be moved to D/L mode.



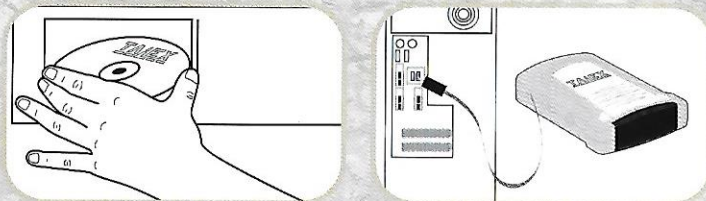
10. Do not attempt to open or modify the unit as this will invalidate the warranty.



11. The Talex is ready for use straight away. When it is convenient you can update your TALEX with new camera positions. To update your TALEX, visit www.talex.co.uk and follow the on screen instructions to download a new database to the device.



12. All aspects of the product both hardware and software are licenced to Embedded Technology Ltd.



- 1) Insert the Talex CD-ROM into the computer.
- 2) The installation disc will automatically load. (If this does not happen, double click on 'My Computer' – typically found on your desktop screen. Double click 'Talex Installer', which will load up the installation disc)
- 3) If you have any problems, then please contact Talex Support on 0845 274 1110 or info@talex.co.uk
- 4) Please refer to the Install Guide on the CD-ROM for instructions on how to install the Update Utility and the USB driver.

Problem**Action****Fails to power up**

- 1 Check that the power lead is firmly plugged into the "POWER" socket & into the cigar lighter.
- 2 Check the internal fuse in the power cable. Replace the internal fuse with the spare one.
- 3 Check USB cable is correctly installed
- 4 High temperature caused by direct sunlight can affect the normal operation of the TALEX (extremes of heat of greater than 85°C must be avoided).

No audible signal

- 1 Check the volume level.
- 2 Check the GPS signal.

Does not acquire GPS signal

- 1 Check the power lead.
- 2 TALEX does not have a clear view of the sky*
- 3 If driving without a clear view of the sky for a long period and the TALEX does not appear to operate normally, then, when next in a clear view remove and re-apply power.
- 4 Long tunnels, tall buildings, bridges or overhanging trees may cut out the GPS signal.
- 5 UV filtered windscreen. Some cars are fitted with UV filters on the windscreen, some times called Climate Comfort or Athermic windscreens. These windscreens also block GPS signals. It is quite easy to test for this. Simply hold the TALEX outside the car when stationary, or have your passenger do this in motion, and the TALEX will shortly acquire sufficient satellites. When sufficient satellites are acquired the colon in between the hours and minutes will begin to flash, or the speed will be indicated if in motion. If your car is fitted with a UV windscreen, in most cases there is a clear area around the rear view mirror. A simple screen mounting kit enables the TALEX unit to be mounted just above the rear view mirror which will give the unit sufficient view of the sky for excellent operation. A four metre cable is supplied in the kit which can be fitted around the windscreen, and traced neatly to the cigar lighter.

Incorrect operation

- 1 In a GPS shadow area.
- 2 Have not updated the TALEX with the latest database information.
- 3 Check that the mode select switch is select to either CAM or NORMAL.

* Note TALEX may not work with heated front windscreens that are energised or vehicles that have heat reflective screens.

If you are unable to obtain satisfactory performance from your TALEX, please call our technical help line on 0845 274 1110 or visit our website www.talex.co.uk or send questions to support@TALEX.co.uk