



Navigator



Navigation Software User Guide For the Evesham Nav-Cam 7500

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Installation of the Nav-Cam 7500

Please do not proceed until you have completed the initial setup as described on the Quick Start guide.

Ensure that your Nav-Cam 7500 is located where you can clearly hear the navigation instructions, using an appropriate cradle or fixing method.

In-Vehicle Installation

Fitting the Device mount

- Your Nav-Cam 7500 pack includes a windscreen mount. The mount has a suction cup that will stick to the windscreen.
- Place your Nav-Cam 7500 in the windscreen mount
- Connect the power charger to your Nav-Cam 7500 and plug into your vehicles cigarette lighter socket.

NOTE: Do not place your Nav-Cam 7500 where it may strike the driver or passengers if the vehicle turns sharply or stops abruptly. Your Nav-Cam 7500 should be installed securely so it will not move and cause a distraction. Cables and hardware should not interfere with driving and use of normal vehicle controls. Try to locate the Nav-Cam 7500 as close to your normal line of sight as possible without obscuring your normal view of the road. The mount has been extensively tested for effective installation and use. However, please use caution when installing or removing the mount. The company will not be responsible for damage to your car under any circumstances.

Important

The Nav-Cam 7500 and the AA Navigator route guidance software relies on the Global Positioning System (GPS), a constellation of 24 satellites orbiting the earth. The GPS sensor 'listens' to these satellites to determine your current location. In order to ensure the best performance, please be aware of the following:

- Your GPS sensor needs a clear view of the sky to listen to satellites, unobstructed by trees, buildings and other objects.

- The first time you use your GPS device, it may take a several minutes to obtain a good fix on your location.
- After first use it should take between 30 seconds and 2 minutes to obtain a good fix, although performance will vary based on the operating environment.
- Very occasionally severe weather conditions may affect the ability of your GPS to receive satellite information.

Important some cars have a metallic, or athermic coating on the windscreen that interferes with satellite signals. In this case we recommend using an external antenna that can be plugged into the side of the Nav-Cam 7500 and located elsewhere in the vehicle with a clear view of the sky to receive the satellite signal. To purchase an extension antenna please visit www.nav-cam.com.

Note: the GPS system was developed for the US military and is operated by the US Government, which has made the signals available for civilian use. The company will not be held responsible for the quality of service of the GPS system.

IMPORTANT SAFETY NOTICE

Safe control of your vehicle is of paramount importance. Program your destination and configure your chosen drive screen before starting your journey. For safety reasons **DO NOT** interact with your device until you have reached your destination or you have pulled over and it is safe to do so. Keep your eyes on the road and comply with all traffic laws at all times. Your personal judgment and common sense should prevail over any instruction received through the use of this device. All routing suggestions are advisory and may not take account of all temporary or permanent traffic control measures. Disregard any suggestion that is hazardous, or does not comply with posted road signs or is otherwise illegal.

Installing your AA Navigator Software

Your AA Navigator software has already been loaded onto the memory card that was supplied with your Nav-Cam 7500

Turn on the Nav-Cam 7500 and insert the AA Navigator memory card into the appropriate slot in the device. The slot may have a protective insert, which will need to be removed.

Launching AA Navigator

Tap the Navigator icon on your start-up screen.

Having launched the AA Navigator, read the safety instructions, if you accept the terms and conditions, tap the '**Accept**' button to open the AA navigator Software

Select a Region

Please select which mapping database you require. You will be required to do this only once the first time you use AA Navigator. You will be able to change this selection by tapping the small green button (with IR or GB displayed on it) that can be found on the bottom left hand corner on the Select Place screen.



Once selected you will go the AA Navigator main menu.

AA Navigator Main Menu



Follow Map

When the GPS is connected, tapping the '**Follow Map**' button will automatically show a map with the location of the vehicle in the center of the screen. (**Note:** the GPS may take a couple of minutes to establish your location)

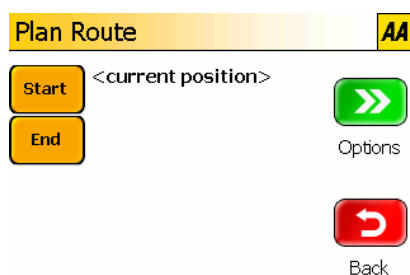
Drive To

Tapping the '**Drive To**' button takes you to the Select Place menu. This allows you to set your end point/destination. (See '**Select Place**' page 7 in this guide). When an end point has been selected and a GPS signal received your route will be calculated automatically.



Plan Route

Pressing this button takes you to the Plan Route menu. From this menu you can plan a route with or without the GPS connected.



To the right of the 'Start' button is the <current position>. Tap here to check GPS. If the GPS is connected then pressing this button will take you to the 'GPS' screen, which will display the number of satellites and their signal strength. If you wish to plan the journey from the current position you do not need to change the 'Start' point.

To change your start or end location, tap the 'Start or End' button. This takes you to the Select Place screen, which has several options for selecting a start or end point.



Browse Map

Tapping the '**Browse Map**' button will take you to the map screen. At the side of the screen are four buttons, the first two are for adjustment of the map scale allowing you to, **zoom out**, and **zoom in**. It is also possible to pan around the map by dragging the stylus across the screen. Next there is the **magnifying glass** button (which takes you to the Locate on Map screen and allows you to zoom to a Town, Street, recent destination, favorite location or POI (Point of Interest). The **Back** button takes you back to the previous screen. You can also press and hold on the map to bring up an options menu. You can then set a start or end point or add a favorite directly from the map. Points of Interest will also appear on the map when you zoom in to a suitable scale. (These can be configured under **Setup > POI** see page 13)



Setup See page 13 of this guide



Exit Tap this button to exit AA Navigator.

Select Place Screen

This screen allows you to define your start and end locations.






Recent

Tapping this button displays a list of the 20 most recent places that have been selected as start or end points.



Favorites

Tapping this button displays a list of your selected favorites. You can add to this list from the Plan Route menu, by tapping the 'add to favorites' button if available . If you wish to change one of the entries, tap the '**Change**' button, which takes you to a new page Add Favorites. You then have the ability to delete entries by tapping the '**Remove**' button, or adding a new favorite by selecting a place from the '**Recent**', '**Browse Map**', '**Town Street**' options. This will then save to your favorites.



Browse Map

Selecting this option allows the user to explore the map and search for locations.



Town, Street

Tapping this button will take you to the Town selection page. You can then enter a town or place. As the name is typed into the device it will select the most relevant matches from the AA Navigator database. Entering more characters increases the probability of selecting the correct place. If required, the suggested options can be ignored and the full place typed in. If there are a number of places with the same name you may need to tap the '**More**' button to list them.

(Note: tapping the button '123' will bring up the number pad allowing you to enter numbers. Tap the 'Abc' key to return to the keyboard).

Tap the place you wish to select from the list. You are then taken on to a second screen titled Street which allows you to select whether you would like to either enter a street name, route to a town center, or a POI (Point of Interest).

<street name> – by tapping this button the keypad is available to type in the house number (optional) and street name you require, in much the same way as described above for the town selection screen. When the street is listed, tap the button containing the street name required.

(Note: long streets may be broken up in-to several sections and so appear more than once in the list. Tip: If you wish to route to a specific section of road you could choose a house number as well as street name or select from the map directly. See Browse Map section in this guide on page 8 for details.)

<town center> – by tapping this button AA Navigator will automatically pick a street within the center of the selected town.

<POI> – (Points of Interest) Tapping this button will display a new screen called POI Library. Select from the list the desired POI type and this will provide a list of the POI's near the town or city selected. Tap the 'More' for more locations and then tap the desired location button.

Note: Using the keyboard on this screen will gain access to all the POI's under that category and they will no longer be listed based on the town you have selected.



Point of Interest (POI)

Tapping 'POI' (Points of Interest) will bring up a new screen called POI Library, which lists all of the Points of Interest available. Select from the list the desired POI type, then type in the name in the following screen for example, select London, airports, then select Heathrow Airport. The AA Navigator software will then route you to the selected POI.



Postcodes

Tapping '**Postcodes**', allows you to use the keypad to type in a full seven-digit postcode

Note: tapping the button '123' will bring up the number pad allowing you to enter numbers. Tap the 'Abc' key to return to the keyboard). Then select the desired postcode from the list. It is not necessary to include the space in a postcode for example 'G115AA'

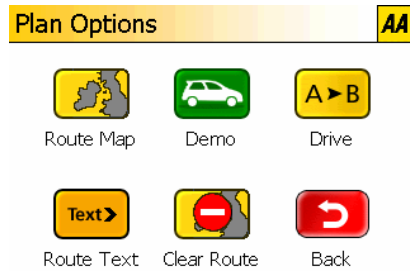


Back

This button will take you back to the previous screen.

Once you have set a start or end point, or both, tap the '**options**' button to take you to the Plan Options menu.

Plan Options




Route Map

By tapping '**Route Map**' an overview map appears showing your route, indicating the start and end points. This map can be zoomed and panned around. If you wish to adjust the start or end point, press and hold the stylus on the map at the desired location. This will then bring up a menu allowing you to set a new start or end point.



Route Text

The '**Route Text**' button will show a simple text list showing an accumulative mileage on the left with direction arrows a road number and name on the right. Scroll down, if available, using the  button to read the full route.



Demo

If the '**Demo**' button is tapped a demonstration of the route starts showing the Guide Mode with speech. You can also view the route in Map Mode, which shows the location of the vehicle moving on a map. Tapping on the map or on the signpost will bring up the Drive Options menu (see Drive Options for more details).



Clear Route

This allows the user to clear an existing route.



Drive To

Tapping the '**Drive To**' button will automatically start navigating you to the 'End' destination.

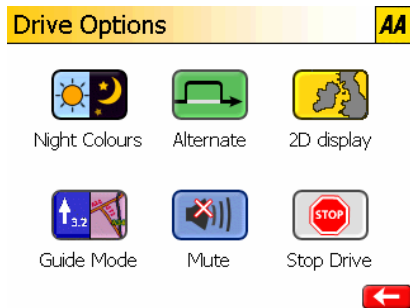


Back

This button will take you back to the previous screen.

Drive Options

When the system is set up in the car and prior to departing, the 3-D Map display Mode is the default view. This can be changed by tapping on the top two thirds of the screen, which takes you to the Drive Options screen. Under the Drive Options screen you can configure several options, including whether you wish to use the Guide Screen or Map Screen (Drive Options can also be accessed in Demo Mode).



Night Colors

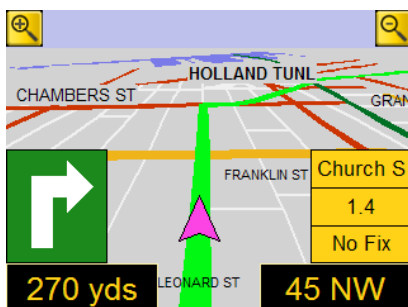
This changes the background color of the map and guide screen for better visibility at night. It also reduces glare.



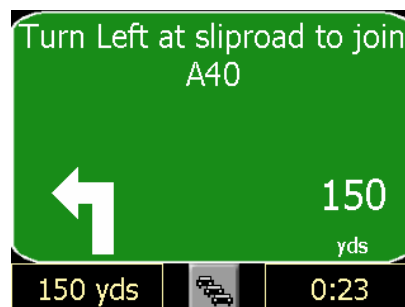
Guide Mode / Map Mode

This button allows you to change the navigation screen between Map Mode (shown above left) and the Guide Mode (shown above right).

Map mode



Guide mode

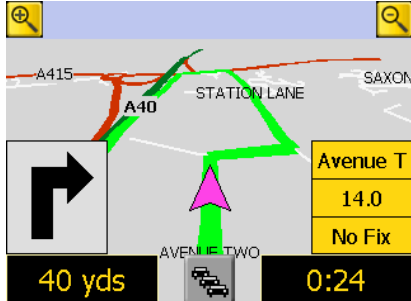




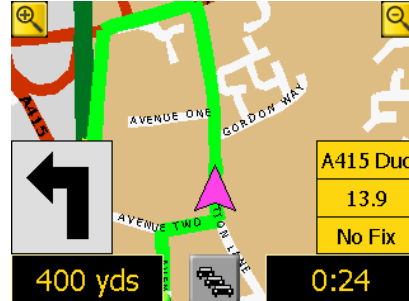
2D/3D Display

You can select the map view to display in either 2D or 3D mode, tap on the display button as above to change.

3D mode



2D mode



Alternate

Tapping this button takes you to a further screen called Avoid/Alternate which displays the following icons:



Mile 1

This button can only be used when a route has been calculated, and when tapped allows the user to avoid the current road within a mile of present GPS position (if possible to do so), for example to avoid congestion or road works.



5 miles

This button is as above but the radius for an alternative route is increased to 5 miles of the current point (if possible to do so).



Named roads

This button when tapped displays all the road numbers on your route. The user then has the option to select a particular road that they wish to avoid and the software will then recalculate the route avoiding the selected road.



Original

This button allows the user to return to the original route that was calculated if the user has selected any of the alternate options above.



Mute / Unmute

Tap '**Mute**' button to turn voice instructions off. If you then wish to turn voice back on, return to this screen and tap the '**Unmute**' button which will be in the same place.



Stop

This stops the Drive Mode and returns the user to the main menu.



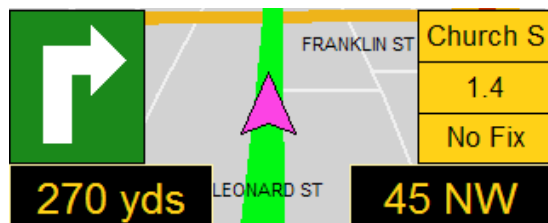
Back

By pressing the '**Back**' button, the AA Navigator returns to the Drive Screen.

'One Touch' home navigation

Any time when a GPS signal is being received the user can press and hold the 'flag' button (second button down on the right hand side of the Nav-Cam). This will then store the current location. Thereafter at any time the user can press the 'flag' button to be navigated back to the stored location.

Customizing Map Mode Display




In both 2-D and 3-D map modes, various route information can be displayed at the bottom of the screen. You can choose which information to display by tapping any of the boxes. When the screen is tapped in any box area, a new screen appears titled Select Info. From this screen you can choose an entry for each box by scrolling down the following list:

- Speed & Direction
- Sat / GPS
- Estimated Time of Arrival
- Estimated Journey Time
- Current Road
- Next Road
- Distance to go
- Distance to next turn

- Free memory
- Show no Information

 **Setup**

Tapping the  'Setup' button takes you to the Setup main menu, which has several options:


























GPS

Selecting this option displays GPS signal status.

POI (Places of Interest)

Tapping this takes you to the POI Display screen. This lists all the POI's available. Each entry can be turned on or off on the map display by tapping the relevant tick box. The selected features also appear in the map mode as you drive.

The standard POI's and their map symbols are:

 Airports	 Commuter Rail Station	 Marinas
 Amusement Parks	 Convention Centre and Tourist Attractions	 Park & Ride
 Bowling	 Ferry Terminal	 Petrol Stations
 Bus Station	 Golf Courses	 Rest Areas
 Car Rental	 Higher Education	 Restaurants
 Casinos	 Historical Monuments	 Shopping
 Cinemas	 Hospitals	 Sports Centres
 City Halls	 Hotels	 Train Stations
 Community Centres and Performing Arts		

Safety Cameras

Please Safety Camera's section for more information on settings

Traffic

Please Traffic section for more information on settings

About

Gives software version information

Please use the down button  to access the other options under Setup.

Avoid Tolls

Tick this box to avoid tolls and town centre congestion charges on your route. Should a start or end point be selected that is on a toll road or congestion charge zone this will be ignored.

Show key roads

Tapping this box lists all the classified roads the route will take after your route is calculated.

Route Type

Select required type of routing

Regular

This is the AA Navigator's recommended route

Prefer Main

Tapping this box provides a route which prefers use of main roads and motorways

Avoid Motorway

Tapping this box provides a route which avoids motorways

Shortest

Tapping this box provides the shortest route measured by driving distance

Map/Drive Options

2D/3D

Select the preferred view

Miles and KM

Tap the appropriate box to select whether you would like your distances shown in miles or km.

Display POI Names

Will display POI names on the map and Navigation screens. If not tapped, only the POI icon will be shown.

Street/Name Text

If tapped, street names will be displayed in navigation mode

Turn Symbol on Map

If tapped an arrow will be displayed on the navigation screen to indicate the next turn.

Favorites Button

This will allow you to remove, add, edit the name or delete any favourite locations.

Voice

Select from the available voices

Volume

Select the volume level (3 is loudest)



Back

By pressing this button the software goes back to previous page. Or you can scroll up by tapping the up arrow.

Speed Camera's

Your AA Navigator also comes with a speed camera software trial. This will provide you with both audible and visual alerts for fixed speed cameras along your route (UK road network only).

Installing the speed camera software

The speed camera software for receiving alerts requires no installation as it is already included on the AA Navigator SD card. However in order to receive new camera location updates and to activate a subscription at the end of the trial, you will need to install Microsoft Active Sync software on your home PC.

NOTE: Please ensure that you install Microsoft Active sync on your PC and follow the instructions explicitly **before connecting you Nav-Cam 7500 to your computer**

How the speed camera software works

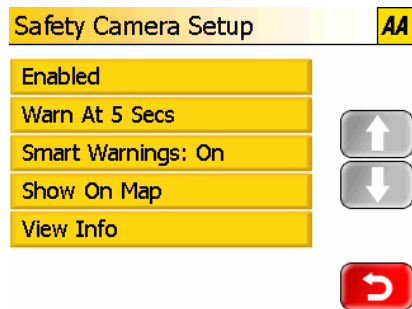
The software will automatically provide intelligent audible alerts based on the speed that you are traveling at when you are approaching a speed camera, these are;

1. When approaching a fixed speed camera at a speed **below** the known speed of the camera, then an audible sonar ping will sound every five seconds up to and through the camera zone.
2. When approaching a fixed speed camera at a speed **above** the known speed of the camera, then an audible warning speaking the camera type will sound every five seconds up to and through the camera zone (along with a visual warning) or until you reduce your speed sufficiently before the camera zone and then the system will revert to the sonar ping.



Setting the options for speed cameras

There are a number of options available when using the speed camera software and these are located under 'Setup', Speed Cameras in the main navigation menu.



The options available are:

Enabled / Disabled

This will turn the speed camera software on or off. Please note that if this is set 'Disabled' you will not receive any visual or audible for any speed cameras on your route. Tap the button to change.


Warn At 5 Secs

This will allow you to change the time that you receive the first warning before you reach a speed camera. The options are 'No Warning', 'Warn at 5 Seconds', 'Warn at 10 Seconds', 'Warn at 15 Seconds' and 'Warn at 20 Seconds'.

Smart Warnings

When this is set to 'ON' this will only warn you about speed cameras on your side of the road only. When set to 'OFF' the speed camera software will warn you about cameras on both sides of the road.

Show on Map

When this is enabled, the speed camera icon  depicting the location of a speed camera, will be shown on your map while you drive. To disable please tap the button to select 'Don't Show on Map'

View Info

This will tell you when your subscription is due to expire and the date of the last database you uploaded. You will receive a reminder 14 days before you subscription is due to expire.

Updating your Speed Camera Database

During your free trial or If you have purchased a subscription period, please go to www.nav-cam.com to download new camera location updates when available. This will provide you with update software that you will need to run on your desktop PC with your Nav-Cam 7500 connected using Microsoft Active Sync and will automatically update you camera database on your Nav-Cam 7500.

Buying a new Safety Camera subscription

If your subscription expires you will need to purchase a new subscription from www.nav-cam.com or www.aanavigator.com. Once you have purchased your new subscription, you are provided with update software that you will need to run on your desktop PC with your Nav-Cam 7500 connected using Microsoft Active Sync and will renew you subscription automatically on your Nav-Cam 7500.

IMPORTANT SAFETY NOTICE

MOST FIXED CAMERAS ARE INSTALLED AT ACCIDENT 'BLACK SPOTS' WHERE FOUR OR MORE FATAL OR SERIOUS ROAD COLLISIONS HAVE OCCURRED OVER THE PREVIOUS THREE YEARS. IT IS THE POLICY OF BOTH THE POLICE AND DEPARTMENT FOR TRANSPORT TO MAKE LOCATIONS OF CAMERAS AS WELL KNOWN AS POSSIBLE. BY MAKING THESE LOCATIONS AVAILABLE IN AA SPEEDCARE THE AA IS IDENTIFYING THE PLACES WHERE EXTRA CARE SHOULD BE TAKEN WHILE DRIVING. SPEEDING IS ILLEGAL AND DANGEROUS AND YOU **MUST** KEEP WITHIN THE SPEED LIMIT AT ALL TIMES.

BREAKING THE SPEED LIMIT IS ILLEGAL AND CAN COST LIVES!

Traffic Information

If your AA Navigator came with traffic information included then please read the following section on how to use. If your AA Navigator did not, you will be able to purchase a traffic upgrade, please see the website www.nav-cam.com or www.aanavigator.com.

Note: You will not be able to receive TMC traffic information if you have not purchased the traffic subscription and necessary TMC power cable with a traffic receiver.

Installing the traffic software

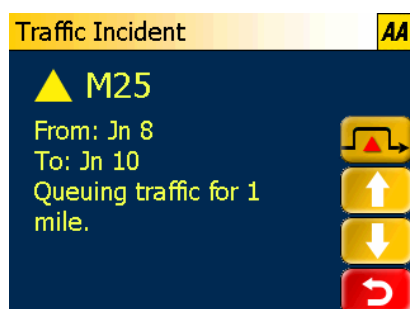
If your Nav-Cam 7500 came with TMC traffic information included then the software is already provided on the AA Navigator SD card. Please refer to the setup section below to set preferences. There is no desktop software to install.

If you have bought an upgrade, please follow the installation instructions that were provided with the upgrade.

How the traffic software works

AA Navigator comes with an FM radio receiver built into the power cable that allows the system to pick up traffic data broadcast on the RDS-TMC channel carried by several local and national radio stations.

AA Navigator receives, decodes and compares this traffic data to your route as you drive. When the system calculates that a traffic incident will affect your route, it displays a warning, offering to divert you around the obstruction.



Note: When enabled the traffic software will always check for traffic incidents on your route. Please ensure that the power cable is receiving power before starting the AA Navigator application. If you do not appear to be receiving traffic information please ensure that the unit has power from the car and restart the AA Navigator software.

When you receive an alert an alert the following functions are available:



Avoid Incident

This button instructs AA Navigator to re-route you around this traffic incident. AA Navigator will then recalculate a route. Traffic will also be checked for this new route.



Next Incident

This will move to the next incident in the current list (if any)




Previous Incident

This will move to the previous incident in the current list (if any)



Back

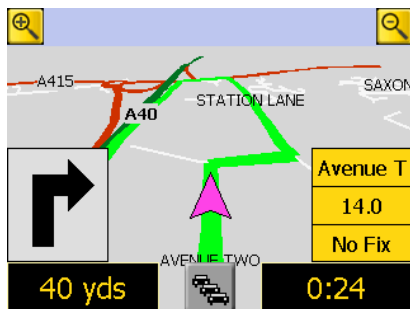
This button instructs AA Navigator to return to the drive screen and ignore the current traffic incident list.

If you do not press any of the buttons, the traffic alert will disappear after 20 seconds. You will be able to review any of the alerts again by tapping the traffic button  in the drive screen (details below).

Note: At any one time, there may be multiple incidents that will affect your journey. In this case, details of each relevant incident will be shown to you in turn. When you have finished examining the traffic incidents, the system will return to the drive screen

Reviewing your traffic alerts

While you are navigating the traffic icon located in the bottom middle of the drive screen will tell the current status of the traffic on your route.



The colour of the button will change depending on the traffic status as follows:



No traffic information available

When you first start navigating this will be the colour of the button, while the software attempts to locate traffic information for your route. If this state persists for any significant period of time it will mean that the software is not receiving traffic information and you will need to refer to the 'Tips' section below.



No traffic on your route

If the status is green it means that the unit has located traffic information but at present, there are no incidents on the route that you are driving. By tapping this button it will tell you the number of incidents it has information on.

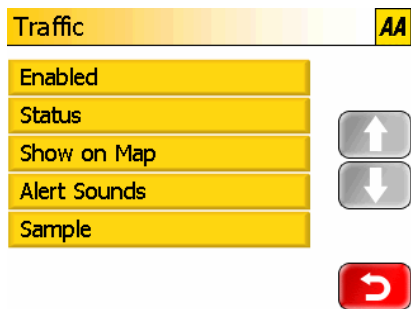


Traffic on your route

When the status turns to red it means that you are receiving traffic information and there are traffic incidents on your route. By tapping the button you will be able to recall all the traffic alerts you have received and take the appropriate action.

Setting the options for traffic

There are a number of options available when using the traffic software and these are located under 'Setup', Traffic in the main navigation menu.



The options available are:

Enabled / Disabled

This will turn the traffic software on or off. Please note that if this is set 'Disabled' you will not receive any traffic information on your route. Tap the button to change.

Status

This will tell you whether the RDS TMC receiver is connected. If it states 'No' then please connect the power cable and restart AA Navigator. If it states 'Yes' then the number of incidents received will be displayed along with the scanning frequency of the receiver.

Show on Map

Will show you all the traffic incidents received plotted on a map. If it states 'No traffic info currently available' then it might not have received any traffic incident data as yet or you might need to ensure that the power cable is connected and restart AA Navigator.

Alerts Sounds

This will allow you to select the sound you will hear when traffic alert pops up.

Sample

This will show you a sample of a traffic alert.



Back

By pressing this button you will return to the main setup menu.

Traffic FAQs

How do I set up AA Traffic?

To ensure that your unit receives Traffic incident updates ensure the traffic antenna is attached to the in car power cable, and that the antenna is placed in a vertical position on the windscreen. Open up the AA software and tap on Setup > Traffic and ensure this is showing 'enabled'. **The unit must be receiving power via the in-car power cable before you switch on the AA software.**

How do I get the best performance from AA Traffic?

The AA Navigator software and tuner are optimised to do this. In order to get the best quality of radio signal into the device, however, it is important to locate the portable wire FM antenna supplied in the best location and orientation to get the best signal possible. Alternatively, the tuner can be connected to your existing in-car antenna, which will provide better signal reception and also avoid visible antenna cables on the windscreen.

How often is the Traffic information updated?

Traffic incident information is collected by ITIS using a variety of techniques, and the updates typically reflect the situation on the ground about 30 minutes before broadcast. The information itself is re-broadcast every few minutes. Based on the quality of radio reception of the RDS-TMC broadcasts, the unit will typically receive and decode information every 15-20 minutes when on the move.

Troubleshooting

Q) When I start the route AA Navigator software tells me it is unable to locate me on the road network.

A) This means that your current GPS location is not on the road network. When you start to drive, your route will automatically be calculated when you join the road network.

Q) I get the message 'Cannot calculate route – Start or End point not on navigable road'.

A) You have chosen a Start/End that is not negotiable by motor vehicle (such as a pedestrian area). Enter another street name, or use the browse map option to select a nearby road that is navigable.

Q) The AA Navigator software freezes.

A) Follow the instructions in the Quick start User Guide on how to soft reset your device.

Q) Map shows no GPS

A). Check GPS status and ensure that the Nav-Cam 7500 has a clear view of the sky. (**Note:** It may take a few minutes for your GPS to locate itself on first use.)

Technical Support

Web: www.nav-cam.com

Email: support@nav-cam.com

Tel: 0905 020 0101 9am to 5.25pm Monday to Saturday
(Calls charged at 25p per minute)

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