NAVMAN

T1 Traffic Module
User Manual

N20 | N40i | N60i

en English

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Disclaimer

Due to continued product development this information may change without notice. Navman does not warrant that this document is error-free.

The screenshots and other presentations shown in this manual may differ from the actual screens and presentations generated by the actual product. All such differences are minor and the actual product will deliver the described functionality as presented in this User Manual in all material respects.

Safety Camera POIs

Navman products are designed to be used as an aid to safer driving. You can receive messages to alert you to locations of safety cameras, which will enable you to monitor your speed through these areas.

Navman does not warrant that all types and locations of safety camera data are available, as cameras may be removed, relocated or new cameras installed.

Navman does not condone speeding or any other failure to comply with your local traffic laws. It is your responsibility to drive within the posted speed limit at all times and to drive in a careful manner.

Navman accepts NO liability whatsoever for you receiving any speeding fines or points on your license through using this device. Navman does not guarantee the accuracy of the data contained within this database either expressed or implied.

In the event you receive a fine or any other penalty for speeding or contravention of any traffic law, or are involved in an accident, Navman is not responsible for any damages of any type.

In some countries the data information regarding safety or speed cameras may conflict with local law and/or regulations. It is your responsibility to make sure that your use of the data is in compliance with local laws and/or regulations. Usage is at your own risk.

Compliance

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

The software is based in part on the work of the Independent JPEG Group.

Important safety information

PLEASE READ CAREFULLY BEFORE INSTALLING PRODUCT IN VEHICLE

	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
	WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
	CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
	CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

Removing original equipment, adding accessories or modifying your vehicle could affect the vehicle's safety or make it illegal to operate in some jurisdictions.

Follow all product instructions and all instructions in your vehicle owner's manual regarding accessories or modifications.

Consult your country's and/or state's laws regarding operation of a vehicle with any accessories or modifications.

It is your sole responsibility to place, secure and use the Navman in a manner that will not cause accidents, personal injury or property damage. Always observe safe driving practices.

Mount the Navman in a position that is secure and does not obstruct the driver's view.

Attach the T1 antenna in a position that is secure and does not obstruct the driver's view.

Do not mount the Navman or attach the T1 antenna in a way that may interfere with the safe operation of the vehicle, the deployment of air bags or other safety equipment.

Do not operate the Navman while driving.

Before you use the Navman for the first time, familiarize yourself with your device and it's operation.

Do not attempt to attach the Navman or attach or adjust the antenna while driving.

On main roads, the distance to an exit calculated by the Navman may be further than the distance shown on road signs. Road signs show the distance to the start of an exit while your Navman shows the distance to the next intersection, i.e., the end of the exit ramp or road. To prepare to exit a road, always follow distance information on road signs.

Do not handle the Navman while it is hot. Let the product cool, out of direct sunlight.

Do not expose the Navman to direct sunlight in an unattended vehicle for prolonged periods. Overheating may damage the unit.

To discourage theft, do not leave the Navman, mounting bracket or any cables in plain view in an unattended vehicle.

Failure to adhere to these warnings and cautions may lead to death, serious injury or property damage. Navman disclaims all liability for installation or use of the Navman that causes or contributes to death, injury or property damage or that violates any law.

Navman is not responsible for the accuracy of any traffic-related information supplied by other parties and disclaims all liability for any accident, injury or property damage resulting from reliance on such information.

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Introduction

Thank you for purchasing the Navman T1 traffic module. The T1 can be plugged into your Navman to identify potential traffic delays in your area and help you avoid them. Use this manual to learn how to operate your T1 efficiently and safely, and discover all the different features available to you.

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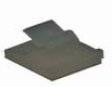
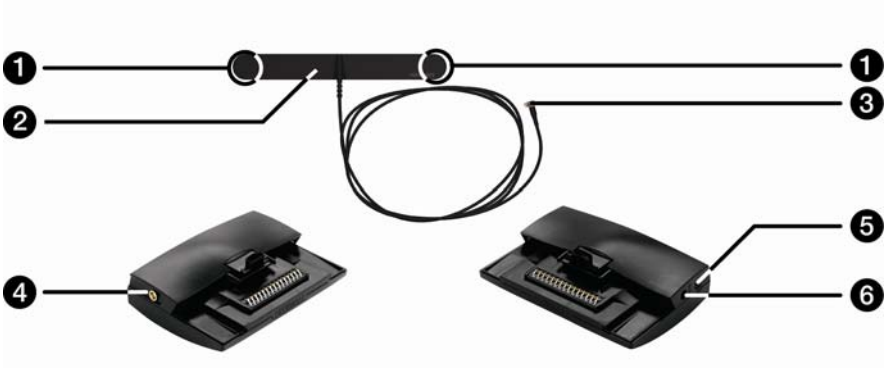
Box Contents

Item		Item	
T1 Traffic module		FM antenna	
4 FM antenna fixing pads (including two for second vehicle)		CD containing User Manual	
USB adaptor		In-Car Installation Guide	
Limited Warranty Agreement			

T1 components



	Component	Description
1	**Fixing Pads on FM Antenna**	Allows you to attach your **FM Antenna** to the fixing pads on your windscreen. For more information refer to the *In-Car Installation Guide*.
2	**FM Antenna**	Allows your T1 to receive RDS-TMC signals.
3	**FM Antenna Plug**	Transmits the data received from the **FM Antenna** to the T1.
4	**FM Antenna Socket**	Socket for connecting to the **FM Antenna**, so your T1 can receive RDS-TMC messages.
5	**Headphone Socket**	Socket for connecting headphones or earphones to your Navman.
6	**Power Socket**	Socket for connecting to the **12V DC Power Adaptor**.

The fixing pads that attach to your windscreen are semi-permanent. When attaching the fixing pads to your windscreen, position carefully and press for 5 seconds.

CAUTION Do not bend the FM Antenna when removing from your windscreen.

How does my T1 receive traffic information?

When used with the T1, your Navman can receive current traffic information for all main roads and motorways, enabling you to avoid potential delays on your route.

The Traffic Message Channel (TMC) broadcasts real-time traffic and weather information via the FM Radio Data System (RDS). FM radio stations transmit TMC data on a cycle of several minutes, with hundreds of Events able to be broadcast to TMC receivers, such as the T1.

Traffic status

Your current traffic status is indicated by the colour of the TMC icon in the bottom-left corner of the map screens.

The following table describes the three traffic status icons:

Traffic Status	Description
	The TMC status is grey if traffic is currently inactive due to one of the following conditions: ▪ The T1 is connecting to the TMC service. ▪ The T1 cannot receive TMC data. This may be due to poor radio coverage in the local vicinity. ▪ You are in a country that is not supported by the T1. Click to display the *Traffic Overview* screen.
	The TMC status is orange if one of the following conditions apply: ▪ You have navigated into a country that is not supported by the T1, but there are still traffic events listed on the *Event List* screen. ▪ You have separated your Navman from the T1, or the T1 is not receiving power but there are still traffic events listed on the *Event List* screen. Click to display the *Traffic Overview* screen.
	The TMC status is green if the T1 is active and receiving traffic events. Click to display the *Traffic Overview* screen.

Your traffic status is displayed in more detail on the *Traffic System Status* screen.

How do I see my Traffic status if the TMC icon isn't displayed?

If the TMC icon is not displayed, follow the instructions in the enclosed *In-Car Installation Guide* to insert your Navman into the T1.

How will I know when a Traffic Event occurs?

Your T1 begins working the moment it is installed. Incoming Events are handled according to your Traffic *Preferences*. For more information, see "How do I customize Traffic preferences?" on page 26.

When travelling through an area in which you can receive TMC transmissions, your T1 will decode these Events and send them to your Navman. Your Navman will display an icon at the Event location on the *3D* and *2D Map* screens, and an audible warning is given if an Event is on your route. Where the extent of an Event is a specific distance, the road will be highlighted and arrows will indicate the direction affected.

A message will display at the bottom of the screen used to view your route. This details the road name, the section of road affected and the type of Event that has occurred. The message remains on screen for 8 seconds and is added to the *Event List*.

How do I view the Traffic Overview screen?

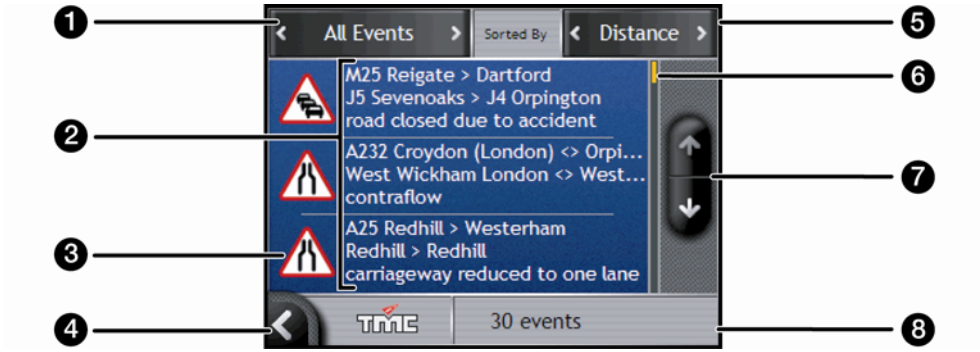
Your Navman provides a general overview of the traffic situation on your selected route, including all Events in the immediate vicinity.

To display the *Traffic Overview* screen, tap .

	Element	Description
1	**Event icon**	Displays icon to indicate type of Event.
2	**Current position**	Your current position is marked with .
3	**Status Bar**	Displays the number of Events on your route, and indicates whether Auto Detour is on or off.
4		Tap to return to the previous screen.
5		Tap to display *Traffic System Status* screen.
6	**Zoom**	To view zoom options, tap . ▪ To display a smaller area in greater detail, tap . ▪ To display a larger area in less detail, tap .
7		Tap to display the *Event List* screen.

How do I view the Event List screen?

Your Navman creates a list of Events as they are received, which is displayed on the *Event List* screen. This screen can only be viewed if the TMC icon is green or orange.



	Element	Description
1	**Event menu**	Choose one of the following: ▪ **All Events** - displays all Events received. ▪ **Route Events** - displays Events on the route ahead. Route Events are only displayed if a calculated route is in effect and there are one or more Events on the route. Tap to cycle through options.

2	**Event description**	Displays details of the Event, including:
		▪ Name of road and direction in which Event is taking place.
		▪ Location of where Event begins and ends.
		  ▪ **>** indicates an Event from a location, to a location.
		  ▪ **<>** indicates an Event between locations.
		▪ Type of Event.

3	**Event icon**	Displays icon to indicate type of Event.
4		Tap to return to the previous screen.
5	**Event order**	Choose one of the following: ▪ **Distance** - displays Events by order of distance from current location. ▪ **Age** - displays Events by order of time received, or time last updated. ▪ **Road** - displays Events in order of highway designation, with Events on current road first. Tap to cycle through options.

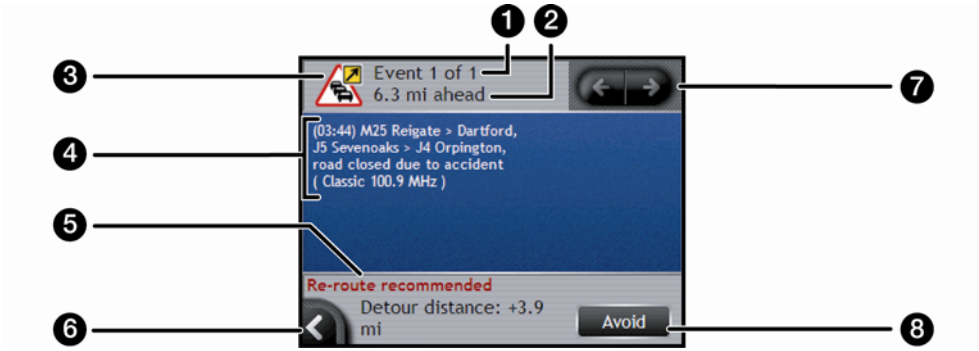
	Element	Description
6	**Position indicator**	Displays your position in the *Event List* screen.
7	**Scroll buttons**	Allow you to view all Events by moving up and down through the list
8	**Event number**	Displays the number of Events in current list.

How do I view the Event Details screen?

There are several ways to view details of an Event received by your T1.

Choose one of the following:

Location	Option
From any of the screens used to view your route	▪ Tap the Event message when it appears on screen. The *Event Details* screen will display.
From any of the screens used to view your route	▪ Tap . The *Traffic Overview* screen will display. ▪ Tap . The *Event List* screen will display. ▪ Find and tap the event you want to view. The *Event Details* screen will display.
From the *3D* or *2D* Map screen	▪ Tap and hold the traffic icon, which displays at the location of the event. The *Pop-up* menu will display. ▪ Tap *Show Details*. The *Event Details* screen will display.



	Element	Description
1	**Event number**	Displays the number of the Event currently displayed and the total number of Events in the list.
2	**Event distance**	Displays distance of Event from current location.
3	**Event icon**	Display icon to indicate type of Event.
4	**Event description**	Displays Event details, including: ▪ Time Event was received, or last updated. ▪ Name of road on which Event is taking place. ▪ Location of where Event begins and ends. ▪ **>** indicates an Event from a location, to a location. ▪ **<>** indicates an Event between locations. ▪ Type of Event.

	Element	Description
5	**Detour information**	Displays details of detour recommendation, if any. For more information, see "How do I know if a detour is recommended?" on page 16.
6		Tap to return to the previous screen.
7		▪ Tap to view next Event in list. ▪ Tap to view previous Event in list.
8	**Avoid / Unavoid**	Initiates new route to avoid an Event. ▪ Only available if a detour or re-route is available.

How do I know if a detour is recommended?

When a Traffic or Clearance Event occurs on your route, a detour will always be recommended. The detour Event message will display in the status bar on the screens used to view your route. A detour icon will display at the Event location on the *3D* and *2D Map* screens.

Detours are only recommended for Traffic or Clearance Events on a calculated route.

How do I initiate a new route when a detour is recommended?

Complete one of the following options:

If ...	Then ...
Automatically accept recommended detours is selected in your traffic preferences	▪ your new route will automatically be calculated and displayed. ▪ An audible warning will inform you that your route has been changed.
Automatically accept recommended detours is not selected in your traffic preferences	▪ display the detour event on the *Event Details* screen. ▪ Tap **Avoid** to accept detour.

How do I avoid an Event on my route?

1. From the *Event List* screen, tap the Event you want to avoid.
   The *Event Details* screen will display.
2. Detour information displays at the bottom of the screen. For more information, see "Traffic messages" on page 17.
   - If a detour has been calculated, **Avoid** is available; tap **Avoid** to accept new route and avoid Event.
     The *3D Map* screen will display.

How do I un-avoid an Event on my route?

If you have chosen to avoid an Event and a new route has been calculated, you can un-avoid that Event and return to your original route.

1. From the *Event List* screen, tap the Event you want to un-avoid.
   The *Event Details* screen will display.
   When an Event has been avoided, the Event icon will display negative. For more information, see "Traffic messages" on page 17.
2. Re-route information displays at the bottom of the screen.
   - If a re-route has been calculated, **Un-avoid** is available; tap **Un-avoid** to accept new route.
     The *3D Map* screen will display.

Traffic messages

The *Event Details* screen displays detour status information.

Detour Not Available messages

If a detour is not available, one of the following messages will display:

Message	Description
This Event is not locatable This clearance is not locatable	A specific location for the Event cannot be identified.
This Event does not affect your route This clearance does not affect your route	The Event is not on the current leg of your journey, or is behind your current position.
You are avoiding this Event You have accepted this clearance	The Event is not on the current leg of your journey.
You are too distant to re-route You are too distant to accept this clearance	The Event is currently too distant to affect your journey.
Detour not found Clearance route not found	A detour / re-route could not be calculated.

Detour Recommended messages

If a detour is recommended, one of the following messages will display:

Message	Description
Finding detour.... Recalculating route.....	Your Navman is calculating a new route. During calculation, the % complete will display. Exiting this screen before the new route is calculated will cancel the operation.
Detour distance..... Clearance change	A detour has been calculated. The difference between the distance of your current route and the proposed route is displayed.

How do I view my route?

When your T1 is enabled, the screens used to view your calculated route will contain Traffic information. Event messages and traffic icons will display as they occur. If an Event message obscures your current location, the map will adjust to display both the message and your location.

You can view your route in several ways by pressing to cycle through the map screens.

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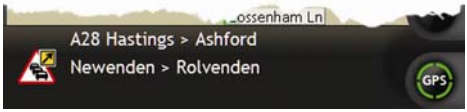
Traffic information

When an Event message is received while you are using any of the screens used to view your route, the status bar will be replaced with the Traffic information.

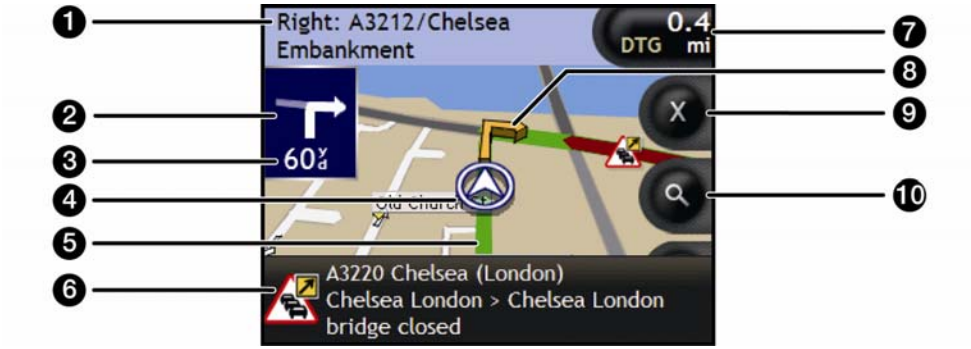


3D Map screen

The *3D Map* screen is oriented to your travelling direction.

To view the *3D Map* screen when a route has been calculated, press ◓ to cycle through the screens.

- Tap and drag the screen, to move across the map.
- Tap the map, to view the *Map* menu.



	Item	Description
1	**Next instruction**	The direction and name of the street to turn in to.
2	**Direction of next turn**	The direction of your next turn. To repeat the voice prompt of your next turn, tap the turn arrow.
3	**Distance to next turn**	The distance to your next turn
4	**Current position**	Your current position is marked with ⊙.
5	**Route**	Your current route is highlighted.
6	**Status bar**	Displays one of the following: ▪ The name of the street you are located on ▪ Speed warnings ▪ Active POIs. Status Bar is replaced by current *Traffic Events*, when Traffic is enabled. For more information, see "Traffic information" on page 18.

	Item	Description
7	**Information**	Displays one of the following options: ▪ Time ▪ km/h or mph (Speed) ▪ TTG (Time to Go) ▪ DTG (Distance to Go) ▪ ETA (Estimated Time of Arrival). Tap to cycle through the options. During a Multi-stop trip, Time to Go, Distance to Go and ETA will display as: Time to Waypoint, Distance to Waypoint and ETA at Waypoint.
8	**Next turn arrow**	Your next turn is highlighted in a different colour from future turns. The default colour of your next turn is orange, but will depend on the colour theme you are using.
9	**Cancel route**	Cancels your current route
10	**Zoom**	To view zoom options, tap . ▪ To display a smaller area in greater detail, tap . ▪ To display a larger area in less detail, tap .

2D Map screen

The *2D Map* screen shows your current position (if a GPS fix is active) and surrounding street names. If a route has been calculated, the route and turns are highlighted. The *2D Map* screen is displayed *Course Up*, unless the *Map Display* preference is to North.

To view the *2D Map* screen, press ⏻ to cycle through the screens.

- Tap and drag the screen, to move across the map.
- Tap the map, to view the *Map* menu.

	Item	Description
1	**Next instruction**	The direction and name of the street to turn in to. When you cycle through the Information options, a function description will display briefly at the top of the screen.
2	**Direction of next turn**	The direction of your next turn. To repeat the voice prompt of your next turn, tap the turn arrow.
3	**Distance to next turn**	The distance to your next turn.
4	**Current position**	Your current position is marked with ⏻.
5	**Route**	Your current route is highlighted.
6	**Scale bar**	Displays map scale.
7	**TMC Icon**	Indicates Traffic is enabled and displays one of the following:- ▪ Green - Your Navman is receiving *Traffic Events*; non-expired events appear in the *Event List*. ▪ Orange - Your Navman is not receiving current *Traffic Events*; non-expired events appear in the *Event List*. ▪ Grey - Your Navman is not receiving current *Traffic Events;* the *Event List* is empty.

	Item	Description
8	**Information**	Displays one of the following options: ▪ Time ▪ km/h or mph (Speed) ▪ TTG (Time to Go) ▪ DTG (Distance to Go) ▪ ETA (Estimated Time of Arrival). Tap to cycle through the options. During a Multi-stop trip, Time to Go, Distance to Go and ETA will appear as: Time to Waypoint, Distance to Waypoint and ETA at Waypoint.
9	**Cancel route**	Cancels your current route.
10	**Zoom**	To view zoom options, tap . ▪ To display a smaller area in greater detail, tap . ▪ To display a larger area in less detail, tap .
11	**Compass and GPS Information**	Tap to cycle through the options; ▪ Blue compass heading - Tap and hold to alternate between displaying North or your destination at the top of the screen. Tap and hold to display the *GPS Status* screen. ▪ Green quadrants - Indicates a valid GPS signal is being used to fix your position. Between one and four quadrants will display indicating the signal strength. Tap and hold to display the *GPS Status* screen. ▪ Red circle - Indicates No signal.
12	**Status bar**	Displays one of the following: ▪ The name of the street you are located on ▪ Speed warnings ▪ Active categories. Status Bar is replaced by current *Traffic Events*, when Traffic is enabled. For more information, see "Traffic information" on page 18.

What else can I do?

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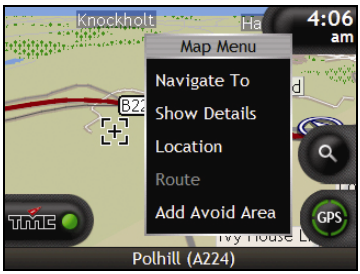
How do I use the Map menu?

The *Map Menu* allows you to access navigational functions from the *3D Map* and *2D Map* screen.



Displaying the *Map Menu*

1. Tap to display the *3D Map* and *2D Map* screen.
2. Tap and drag to move around the map to your selected location.
3. Tap the map.
   The *Map Menu* will display.

Map Menu options

The following options are available via the *Map Menu*:

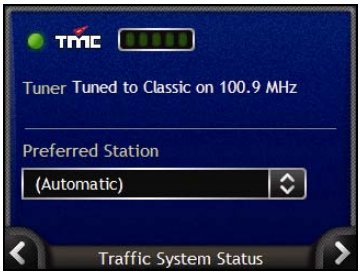
Menu Option	Description
Navigate To	Calculates a route from your current location.
Show Details	Displays the *Location Details* screen from which you can: ▪ View details of the location ▪ Add the location to your multi-stop trip ▪ Save the location as a favourite ▪ Access and edit your route preferences ▪ Navigate to the location. If the cross-hairs are positioned over a traffic event, **Show Details** will instead display the *Traffic Event Details* screen. For more information, see "How do I view the Event Details screen?" on page 14.

Menu Option	Description
Location	Displays the *Location* sub-menu from which you can: ▪ **Add To Favourites**. Displays the *New Favourite* screen for you to add the location as a favourite. ▪ **Nearest POI**. Displays the *Select Directory* screen. Select the directory, then the directory location to navigate to. ▪ **Add To Trip**. Adds the location to your multi-stop trip. ▪ **Set As Start Location**. Sets the location as your departure point.
Route	Only available when navigating a route. Displays the *Route* sub-menu from which you can: ▪ **Detour**. Detours your route to avoid the next 1, 2, 5, 10 or 15 kilometres or the next 1, 2, 5, 10 or 15 miles. ▪ **Demonstrate**. Starts the route demonstration, demonstrating navigation from your current position or departure point. ▪ **Stop Demonstration**. Stops the route demonstration. ▪ **Skip Waypoint**. Skips the next stop on your multi-stop trip. ▪ **Show Entire Route**. Displays your entire route on the *2D Map* screen. ▪ **Show Summary**. Displays a summary of your route, including your departure and destination addresses, estimated time to arrival and the distance remaining to your destination.
Add Avoid Area	Adds an Avoid Area for you to size.
Remove Avoid Area	Removes the selected Avoid Area.

How do I check the Traffic system status?

You can view the status of the traffic system and change the radio station used to receive traffic events via the *Traffic System Status* screen.

or

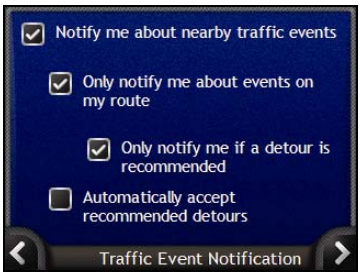


The **Tuner** section displays the name and frequency of the radio station currently being used to receive traffic event information. A bar shows the strength of the traffic signal being received; the more green circles, the stronger the signal.

How do I Change my Preferred Radio Station?

Select your preferred radio station from the **Preferred station** box; your preference is automatically saved.

How do I customize Traffic preferences?



Complete the following:

If you want to ...	Then ...
be notified about nearby traffic events	select the **Notify me about nearby traffic events** check box.
be notified about events that affect your current route	select the **Only notify me about events on my route** check box.
be notified only when a detour is recommended	select the **Only notify me if a detour is recommended** check box
automatically accept recommended detours and have a new route calculated	select the **Automatically accept recommended detours** check box.
turn off traffic event notification	clear the **Notify me about nearby traffic events** check box. Event icons will still display on the *3D* and *2D Map* screens.

- Your preferences are automatically saved.
- Tap to return to the previous screen.

Traffic and other TMC Events

Each TMC Event is sorted in to one of nine categories. When an Event is received, one of the following icons will display:

Event	Avoided Event	Message Type	Event Description
		Danger	There is a dangerous situation on the route; for example, people are on the road.
		Traffic	Any event that will cause a delay on a route.
		Weather	Weather conditions are adversely affecting a route; for example, there is ice on the road.
		Warnings	There is a situation of which you should be aware on the route, but it is not serious enough to be considered a dangerous situation; for example, a minor accident has taken place.
		Forecast	An event is expected to occur on a route.
		Restrictions	There is a restricted flow of traffic on a route; for example, a lane has been closed on a motorway.
		Clearance	A Traffic Event that has now been cleared.
		Information	All other events.
		Roadworks	Roadworks are taking place on a route.

If a *Traffic* or *Clearance* event has a recommended detour, the following icons will display:

Event	Avoided Event	Message Type	Event Description
		Traffic Detour	A *Traffic* Event, for which a detour is recommended.
		Clearance Re-route	A Clearance Event, for which a re-route is recommended.

Avoided Event icons will only display on the *2D Map* and *3D Map*, at the Event location.

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