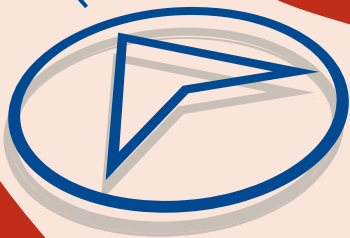# NAVMAN

TM 550
Traffic Alert Pack
for NAVMAN iCN 550

User Manual

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	WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
⚠️CAUTION	CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
CAUTION	CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

⚠️WARNING

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.

⚠️WARNING

It is your sole responsibility to place, secure and use the TM 550 in a manner that will not cause accidents, personal injury or property damage. Always observe safe driving practices.

Attach the TM 550 antenna in a position that is secure and does not obstruct the driver's view.

Do not attach the TM 550 in a way that may interfere with the safe operation of the vehicle, the deployment of air bags or other safety equipment.

Before you use your TM 550 for the first time, make yourself familiar with your device and its operation.

Do not attempt to attach the TM 550 or attach or adjust the antenna while driving.

⚠️CAUTION

Do not handle the TM 550 while it is hot. Let the product cool, out of direct sunlight.

CAUTION

Do not expose the TM 550 to direct sunlight in an unattended vehicle for prolonged periods. Overheating may damage the unit.

To discourage theft, do not leave the TM 550 in plain view in an unattended vehicle.

Failure to adhere to these instructions may lead to death, serious injury or property damage. Navman disclaims all liability for use of the TM 550 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.

Contents

TM550_UM_UK.indd   5   23/08/2005   12:55:42 p.m.

1. Introduction

Thank you for purchasing the TM 550. The TM 550 can be plugged into your iCN 550 to inform you of potential delays on your route.

The TM 550 uses RDS-TMC technology to detect potential traffic delays in your area. With the TM 550 your iCN 550 can identify the delays on your current route and help you avoid them. Use this manual to learn how to operate your TM 550 efficiently and safely, and discover all the different features available to you.
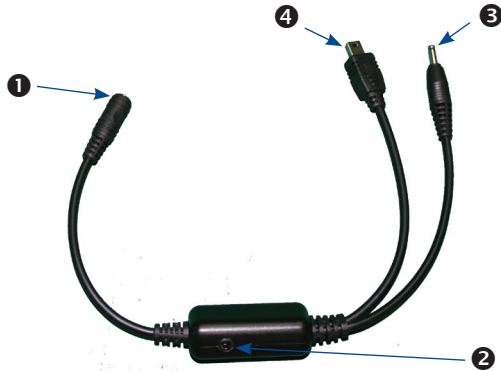
RDS-TMC

The Traffic Message Channel (TMC) broadcasts real-time traffic and weather information. It operates on the FM Radio Data Sytstem (RDS). FM radio stations transimit RDS-TMC data on a cycle of several minutes, with up to hundreds of events broadcast to RDS-TMC receivers such as the TM 550.

When travelling through an area in which you can receive RDS-TMC transmissions, your TM 550 will decode these events and send them to your iCN 550. Your iCN 550 displays these as a list. If your iCN 550 receives data about an event that will affect your route, you can set it to warn you of that event or to automatically calculate an alternative route, avoiding the delay caused by that event. See page 11 for further details.
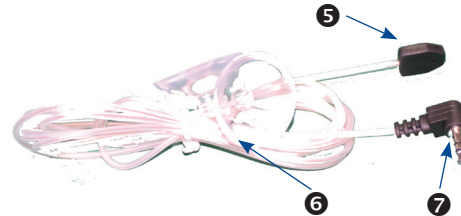
The list will continue to refresh while you are in range of the same FM transmitter. When you move into an area served by a different FM transmitter, the events listed on your iCN 550 will be gradually replaced by events received from the new transmitter.

2. Traffic Alert Pack Features

TM 550

FM Antenna

|	Component	Description
1	**Power Connection**	Connects to the iCN 550's **12V DC Power Adaptor**.
2	**FM Antenna Socket**	Socket for connecting the **FM Antenna** so your TM 550 can receive RDS-TMC messages.
3	**Power Jack**	Connects the TM 550 to your iCN 550's power socket. Allows your iCN 550 to charge while displaying RDS-TMC messages.
4	**USB Cable**	Connects to the USB socket on your iCN 550, allowing it to display messages received from the TM 550.
5	**FM Antenna**	Allows your TM 550 to receive RDS-TMC signals.
6	**Suction Cups**	Used to stick your **FM Antenna** to your windscreen. See page 9 for more details.
7	**FM Antenna Jack**	Transmits the data received from the **FM Antenna** to the TM 550.

3. Setting up your TM 550

Step One: Connect the FM Antenna to the TM 550

1. Plug the **FM Antenna Jack** into the **FM Antenna Socket** of your TM 550.

Step Two: Position the TM 550 in your iCN Cradle

Passenger Side

~ 80 mm
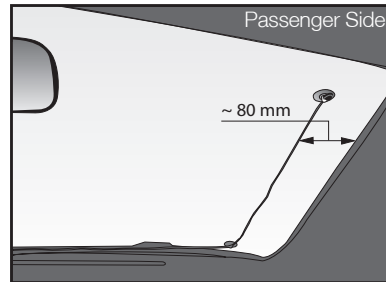
1. Place the TM 550 in the back of your iCN 550 cradle.

2. Position your iCN 550 in your vehicle according to the instructions in the *iCN 550 In-Car Installation Guide*. Follow the safety notice on page 4 of your *iCN 550 User Manual* to ensure that the iCN does not obstruct the driver's view, or interfere with the operation of vehicle airbags and safety devices.

3. Stick the FM antenna to your windscreen using the suction cups. For optimum reception, secure the FM antenna vertically approximately 8cm (3") from the edge of the passenger side of the windscreen.

NOTE: You may need to reposition the FM antenna a few times in order to find its optimum position. Do not attempt to reposition the FM antenna while driving.

Step Three: Connect the TM 550 to your iCN 550
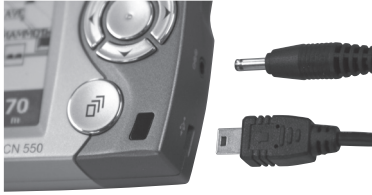
1. Plug the **USB Cable** into the **USB Socket** of your iCN 550.
2. Plug the **Power Jack** into the **Power Socket** of your iCN 550.

NOTE: If you disconnect the TM 550 from your iCN 550, the **Traffic** button will remain enabled.
• To disable this button, you must restart your iCN 550.
• To begin receiving RDS-TMC messages again, reconnect your TM 550 to your device and a power supply.

Step Four: Connect the TM 550 to the Power Supply

1. Connect the TM 550 **Power Connection** to your iCN 550's **Power Cable**.
2. Plug the iCN 550 **12V DC Power Adaptor** into the vehicle power socket.

NOTE: The TM 550 will only work when it is connected to a power supply.

Your TM 550 is Drive-Away. It begins working as soon as you set it up. When you turn on your iCN 550, the **Traffic** option on the *Main Menu* screen will be enabled.
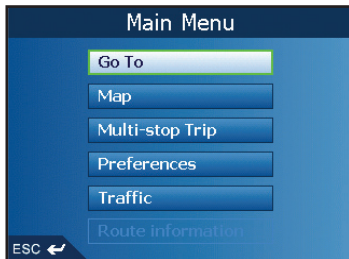
Tap **Traffic** to display the *Traffic Status* screen. See page 11 for more information.

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4. RDS-TMC and Navigation

Your TM 550 begins working the moment you set it up. When your iCN 550 receives notification of a RDS-TMC Event, the Traffic Event Notification icon will display on the right hand side of the screens used when viewing a route. See page 17 for a description of these icons.

As you drive, your iCN 550 will display whether it is receiving RDS-TMC data in the screens used to view your route.

• If your iCN 550 is receiving RDS-TMC data, it will display   on the right hand side of the screen.

• If your iCN 550 is not receiving RDS-TMC data, it will display   on the right hand side of the screen.

Tap the RDS-TMC icon to display the *Traffic Status* screen.
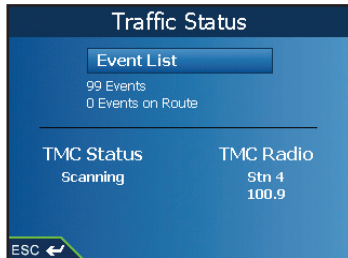
The *Traffic Status* screen displays information about the RDS-TMC service you are using.

• **TMC Status** displays whether your iCN 550 is receiving TMC data or your TM 550 is scanning for a radio station carrying TMC information.

• **TMC Radio** displays the name and frequency of the TMC service to which your TM 550 is tuned. See page 16 for more information on tuning your TM 550.

• **Event List** displays the number of event notifications that your iCN 550 has received and the number of events on your route.

Tap **Event List** to display the *Event List* screen.
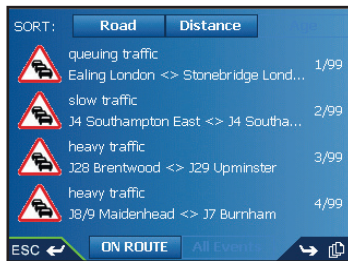
You can filter the list by events on your route or by all events.

• Tap **On Route** to display those events that are on your route only.

• Tap **All** to display all events received by your iCN 550.

You can sort the events by **Road**, **Distance**, or **Age**.

• Tap **Road** to display the list in order of Route Name.

• Tap **Distance** to display the list in order of distance from your current position.

• Tap **Age** to display the list in order of the time that has elapsed since the event occured. The newest event will display at the top of the list.

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There may be more events received by your iCN 550 than can fit on an individual screen. If this is the case, 📑 will appear in the bottom right corner of the screen. Tap 📑 to scroll forward through the list; tap **ESC** to scroll back through the list. Tap **ESC** in the first screen to return to the *Traffic Status* screen.

Tap on any event to display the *Traffic Event* screen.
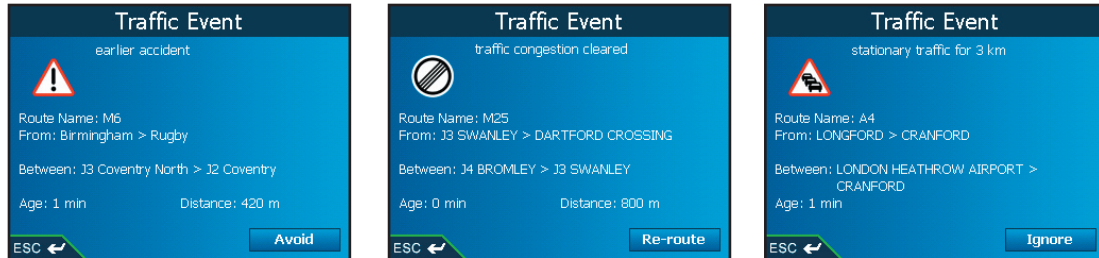
The *Traffic Event* screen displays detailed information about an individual RDS-TMC Event. These details include:

    • A brief description of the event.

    • An icon indicating the type of event; see page 17 for more details.

    • **Route Name,** the name of the road on which the event is taking place.

    • **From**, the area where the event begins.

    • **Between**, the locations where the event begins and ends. In the case of an event on a motorway, this would indicate the affected junctions.

    • **Age**, which displays the amount of time that has elapsed since your iCN 550 first received news of the event.

    • **Distance**, which displays your current distance from the event.

Tap **Avoid** to avoid the event. The **Avoid** button is *not* available for clearance events.

Tap **Re-route** to recalculate your route around the event. The **Re-route** button is *only* available for clearance events.

Tap **Ignore** to ignore the event. If the event is on your route, you will be routed through it.

Tap **ESC** to return to the *Event List* screen.

5. The Traffic Event *Pop-up* Menu

When the TM 550 is connected to your iCN 550, you can use the pop-up menu on the *2D Map* screen to access RDS-TMC functions.

To display the Traffic Event *Pop-up* menu, complete the following:

1. From the *Main Menu* screen, tap **Map**.

    The *2D Map* screen will display.

    *   Move around the *2D Map* screen using the **4-way toggle** or stylus.

    *   To display a smaller area in greater detail, press **+**.

    *   To display a larger area in less detail, press **-.**

2. Tap the *2D Map* screen or press the **4-way toggle** to display the cross-hairs.

    *   To remove the cross-hairs, press **ESC**.

3. Position the intersection of the cross-hairs on a **RDS-TMC Alert**.

4. Tap the intersection of the cross-hairs or press the **4-way toggle**.

    The Traffic Event *Pop-up* menu will display.
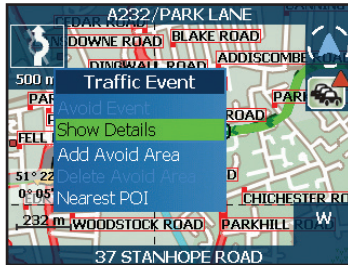
5. Choose one of the options:

| Menu Option	Description
Avoid Event	Calculates a route from your current location to your destination avoiding the event.
Show Details	Displays the *Traffic Event* screen for the event.
Add Avoid Area	Adds an Avoid Area for you to size.
Delete Avoid Area	Deletes the selected Avoid Area.
Nearest POI	Displays the *Select POI* screen. Select the POI type, then the POI to which you wish to navigate.

6. RDS-TMC Preferences

Your TM 550 receives RDS-TMC signals and transmits them to your iCN 550. You can manage the actions that your iCN 550 will take when it receives RDS-TMC messages.

Setting your RDS-TMC Preferences

1. From the *Main Menu*, tap **Preferences**. The *Preferences* screen will display.
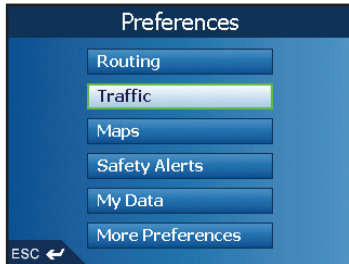
2. Tap **Traffic**. The *Traffic* screen will display.
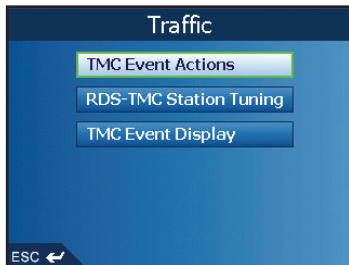
3. Using this screen, you can select the RDS-TMC messages that your iCN 550 displays and determine the action to be taken when it receives a message.
   - Tap **TMC Event Actions** to modify the action your iCN 550 takes when notified of a RDS-TMC event. The *TMC Event Actions* screen will display. See page 15 for more details.
   - Tap **RDS-TMC Station Tuning** to change the station from which your TM 550 receives RDS-TMC messages. See page 16 for more details.
   - Tap **TMC Event Display** to select the types of TMC events for which your iCN 550 will take action. See page 16 for more details.

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TMC Event Actions

Using the *TMC Event Actions* screen, you can set your iCN 550 to take specific types of action when there is an event on your route.
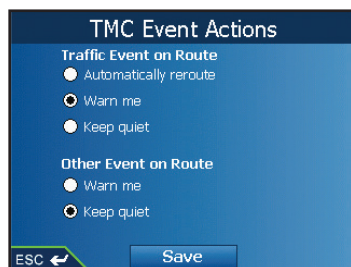
There are two types of event that your iCN 550 processes: **Traffic Event** and **Other Event**.

• **Traffic Event** is an event that causes a traffic delay; for example, a car crash which has resulted in a significant queue of traffic forming.

• **Other Event** is an event that does not cause a traffic delay; for example, snowfall which has not led to any known traffic problems.

If you want to...	Then...
be rerouted to your destination automatically to avoid a Traffic Event on your route	tap **Automatically reroute** in the **Traffic Event on Route** section of the screen.
be warned about any Traffic Events on your route, allowing you to choose whether or not to avoid the event	tap **Warn me** in the **Traffic Event on Route** section of the screen.
ignore any Traffic Events on your route. Your iCN 550 will neither reroute or warn you of the event, but it will display the event on the screens used to view a route.	tap **Keep quiet** in the **Traffic Event on Route** section of the screen.
be warned about any Other Events on your route, allowing you to choose whether or not to avoid the event	tap **Warn me** in the **Other Event on Route** section of the screen.
ignore any Other Events on your route	tap **Keep quiet** in the **Other Event on Route** section of the screen.

Tap **Save** to save your preferences and return to the *Main Menu* screen.

Tap **ESC** to return to the *Traffic* screen without saving your preferences.

RDS-TMC Station Tuning

Using the *RDS-TMC Station Tuning* screen, you can set the station from which the TM 550 receives event notifications.
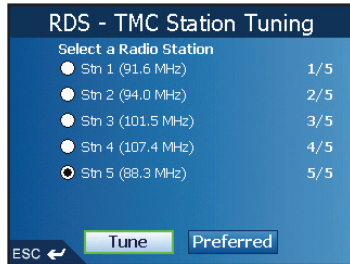

• Tap the station from which you wish to receive RDS-TMC messages.

• Tap **Tune** to set your TM 550 to receive RDS-TMC messages from that station. The next time you start your iCN 550, it will display messages from the default RDS-TMC station. The *Traffic Status* screen will display.

• Tap **Preferred** to set a station as your default RDS-TMC station. Your iCN 550 will display messages your TM 550 receives from that station. The *Traffic Status* screen will display.

There may be more RDS-TMC stations available than can fit on an individual screen. If this is the case, [icon] will appear in the bottom right corner of the screen. Tap [icon] to scroll forward through the list; tap **ESC** to scroll back through the list. Tap **ESC** in the first screen to exit without changing the station from which your RDS-TMC receives messages. The *Traffic* screen will display.

TMC Event Display

Using the *TMC Event Display* screen, you can choose the messages from your TM 550 that your iCN 550 will ignore or display.
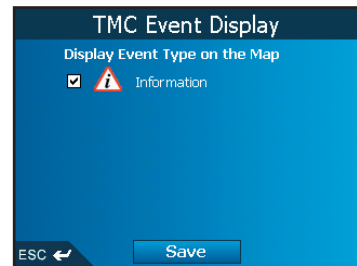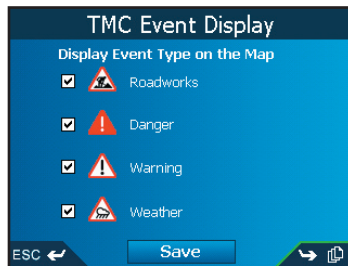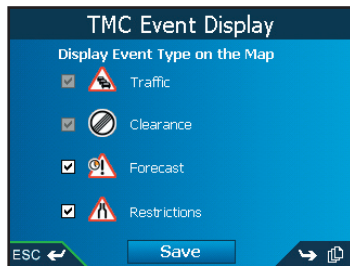
Traffic and **Clearance** messages are activated by default and cannot be switched off. These are **Traffic Events**. See page 15.

Tap [icon] to scroll forward through the list; tap **ESC** to scroll backwards. Tap **ESC** in the first screen to exit without changing the station from which your TM 550 receives messages. The *Traffic* screen will display.

Tap **Save** to set your preferences. The *Main Menu* screen will display.

Icon	Message Type	Event Description
	Traffic	Any event that will cause a delay on a route.
	Clearance	A **Traffic Event** that has now been cleared.
	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.
	Roadworks	Roadworks are taking place on a route.
	Danger	There is a dangerous situation on the route; for example, people are 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.
	Weather	Weather conditions are adversely affecting a route; for example, there is ice on the road.
	Information	All other events.

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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.

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