iGO
USER GUIDE
(USER MODE)

iGO – CONTENTS (18-12-2024)

iGO OVERVIEW

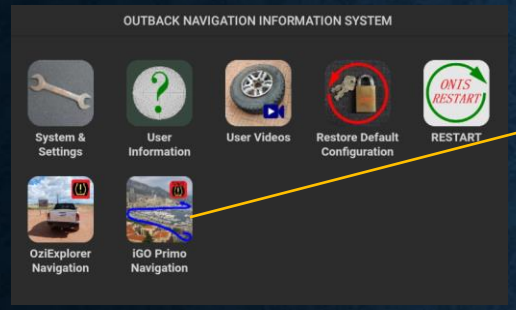
This App provides the user with a street navigation routing system.

Only the GPSIS integration functions and ***iGO*** routing will be covered in this help document.

Refer to the ***iGO*** user manual (not suppled by ***GPSIS***) for all other ***iGO*** related information.

iGO STARTUP SEQUENCE

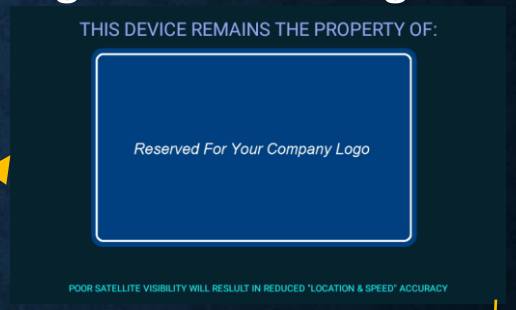
1. Select the ***iGO*** app from the main menu.



2. Message while loading.

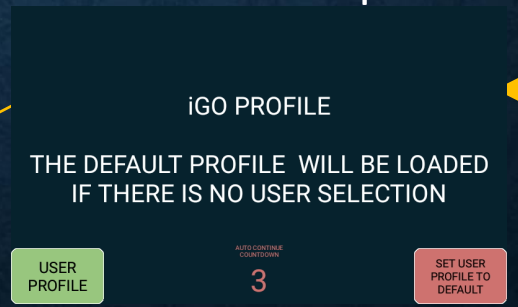
3. User option to update data.

4. Displaying owner logo while loading.

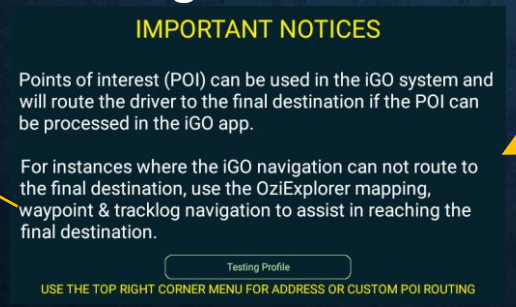


5. Set Low Pressure TPMS alarm.

6. Profile load option.



7. Data disclaimer messages.



8. ***iGO*** main screen.

iGO STARTUP OPTIONS

When the ***iGO*** App is started, the user can perform the following:

1. Download WWW navigation POI data from the owner file server or the default ***GPSIS*** data set.
Note, this screen is only displayed if the WiFi SSID is configured and the ***ONIS*** is in WiFi range of a hot spotted device to the Internet.

2. Set the ***TPMS*** low pressure alarm.
Note, the TPMS low pressure alarm setting is limited to either 16 PSI (sand) or 28 PSI (sealed roads) - any other setting must be set in the "SYSTEM & SETTINGS" menu.
This screen is only displayed if the TPMS App is enabled in the "SYSTEM & SETTINGS" menu.
Both options have a 5 second countdown timer to provide the user with an opportunity to make a selection before the startup process progresses.

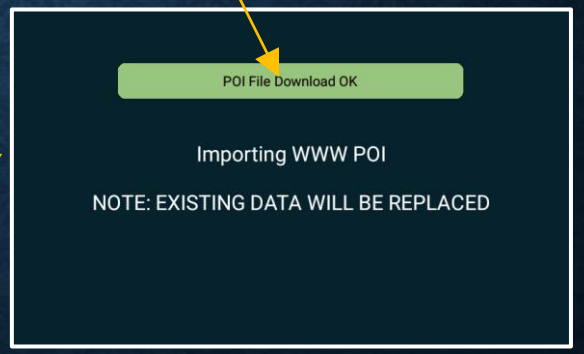
3. Select the default or user profile.
The default profile will load if there is no user in action after 5 seconds. This profile contains the default settings as configured by ***GPSIS***.
The user profile can be configured by the user and will NOT be overwritten by the system.

iGO STARTUP OPTIONS
UPDATE POI

The user can update the POI & Geofence Speed Alerts and Geofence Messages when the ***iGO*** app starts up.

Open the
"UPDATE NAVIGATION DATA"

Download
information.

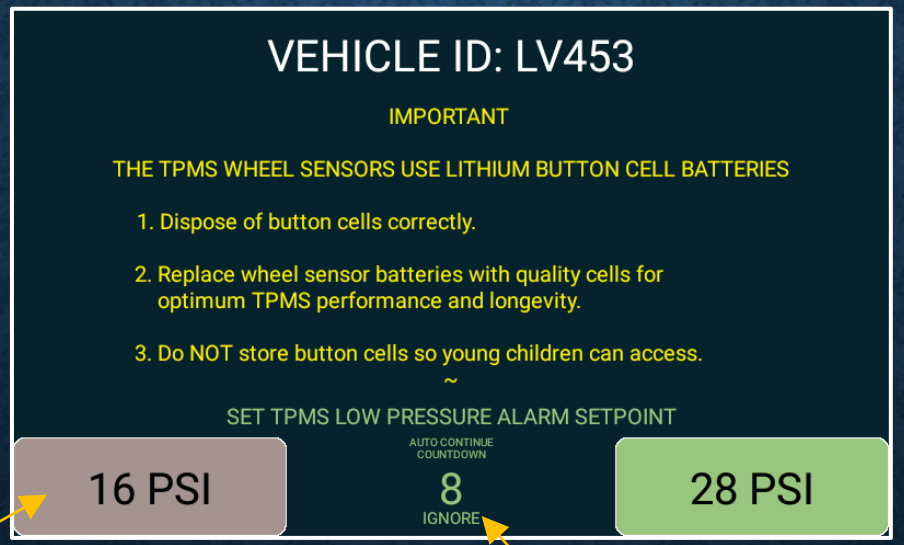


The user has 5 seconds (20 x 250ms visual decrements) to update the data.

Display the help information.

iGO STARTUP OPTIONS
TPMS LOW PRESSURE ALARM SETTING

The user can set the ***TPMS*** low pressure alarm setpoint to either 16 PSI or 28 PSI, when during the App startup.
Any other setting must be set in the "SYSTEM & SETTINGS" menu.



The current set low pressure alarm setpoint will be green.

The user has 5 seconds (20 x 250ms visual decrements) to change the setting.

iGO STARTUP OPTIONS
iGO PROFILE

The user can use their own profile when the ***iGO*** app starts up. This will allow the user to configure any of the ***iGO*** settings with their own values which will not be overwritten by the system.

Default profile with configurations set by ***GPSIS***. Note: the over speed warning is set to 105% of the current location speed limit.

The user can select their own profile which will retain all configurations.

The user has 5 seconds (20 x 250ms visual decrements) to change the setting. The ***ONIS*** will use the default profile after 5 seconds.

MAP & MENU BUTTONS

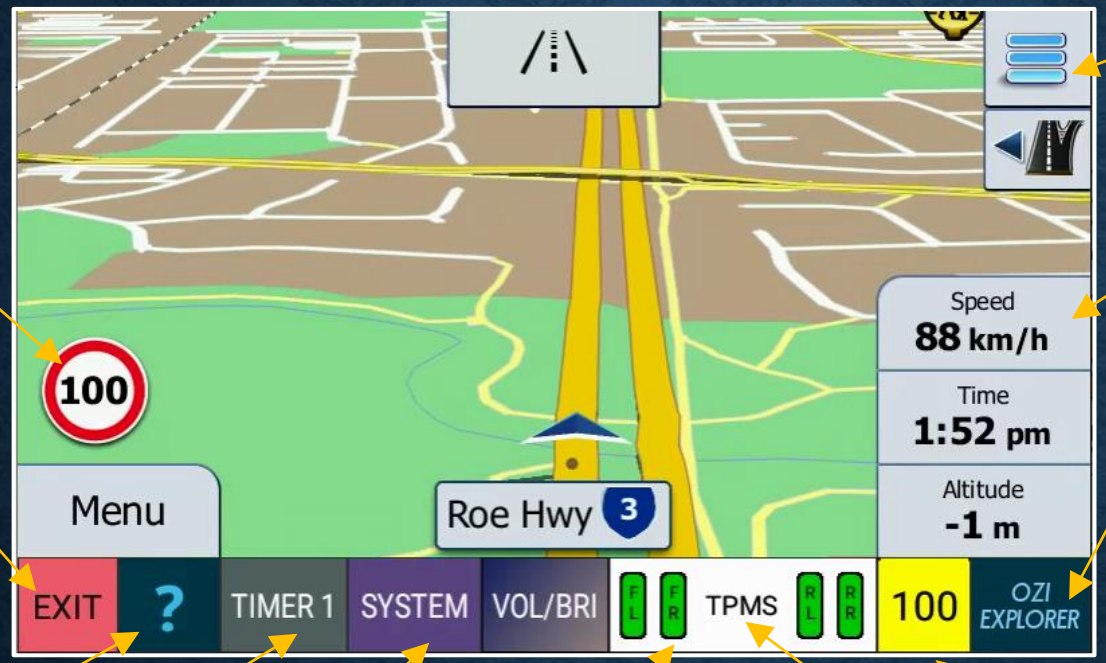
If available, displays the iGO speed limit.

Quick routing menu.

Current vehicle speed km/h

Fast switch to the OziExplorer navigation app.

Exit to ***ONIS Main Menu***.



Displays overview help.

Geofence Speed Alert Status.
Yellow background = ***Geofence*** enabled & active.
Yellow border = ***Geofence*** enabled.

TPMS sensor health.
Green = OK.
Grey = Searching for sensors.
Red = Sensor not found.

Set count down timer1.

Select for System menu.

Select to display the TPMS overview screen.

iGO Menu OVERVIEW

iGO ROUTING

iGO ROUTING

The iGO app has an integrated routing function allowing the user to route with “turn by turn (both addresses and and places).
The iGO navigation system can also be configured with owner POI (points of interest) data (Google Earth kml format).

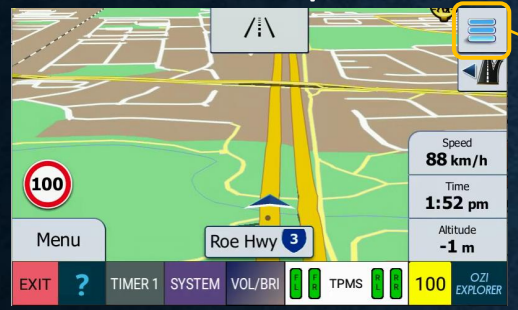
The user can route to a POI provided POI has a road or track is in the vicinity of the POI in the iGO data base.

Custom POI data is easily added and can also be downloaded from a customer hosted file server.

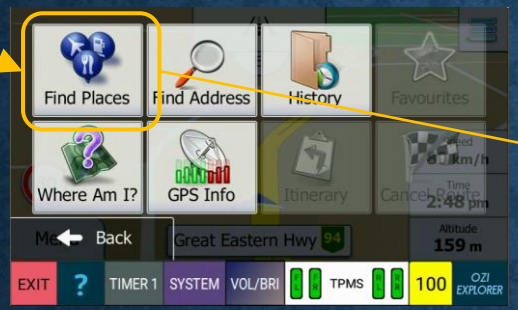
iGO ROUTING – CUSTOMER POI

Example - routing to a customer configured “Point Of Interest” (POI).

1. Select the quick menu.

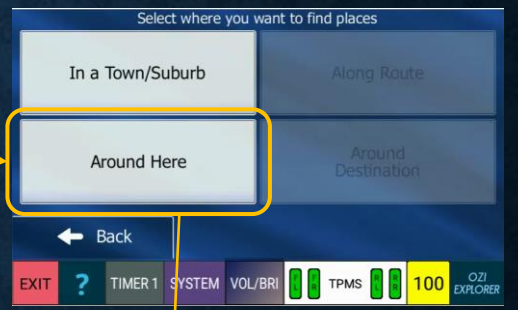


2. Find Places.

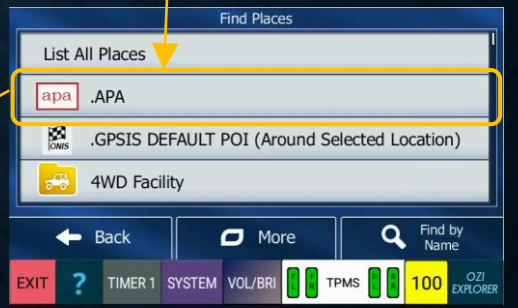


3. Custom Search.

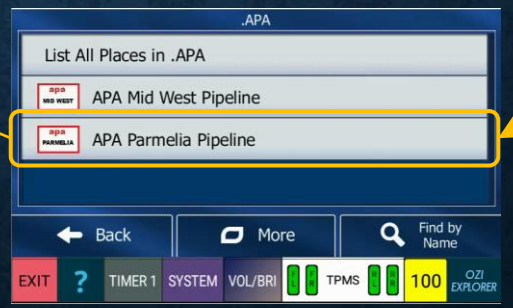
4. Enter closest town or around here.



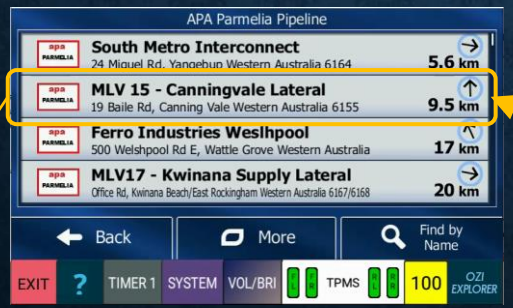
5. Select customer POI’s



6. Select folder.



7. Select destination.

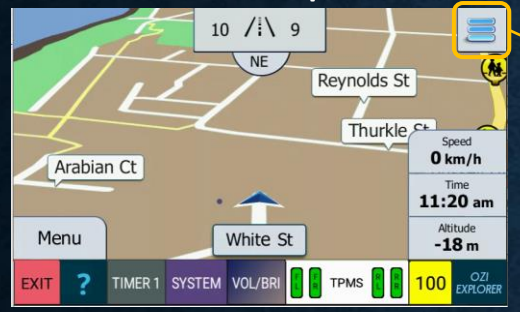


8. “Go” to begin the journey.

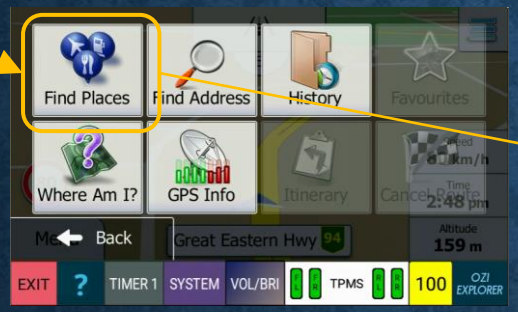
iGO ROUTING – GPSIS DEFAULT POI

Example - routing to an GPSIS default Point Of Interest" (POI).

1. Select the quick menu.

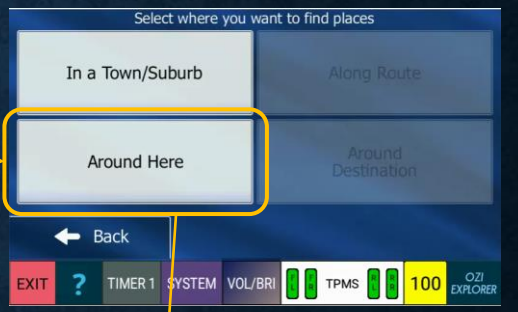


2. Find Places.

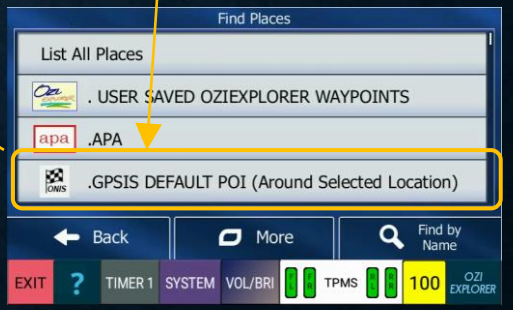


3. Custom Search.

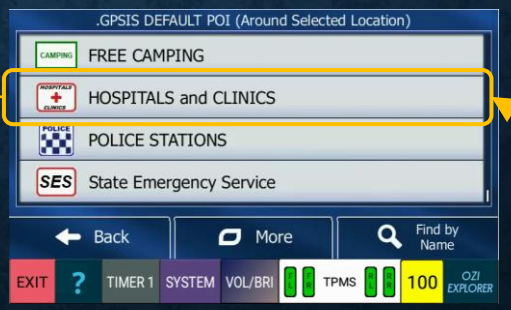
4. Enter closest town or around here.



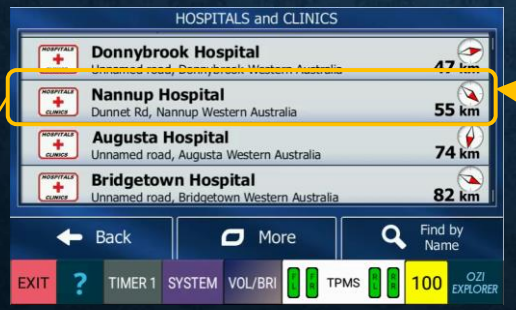
5. Select GPSIS folder.



6. Select Folder.



7. Select destination.

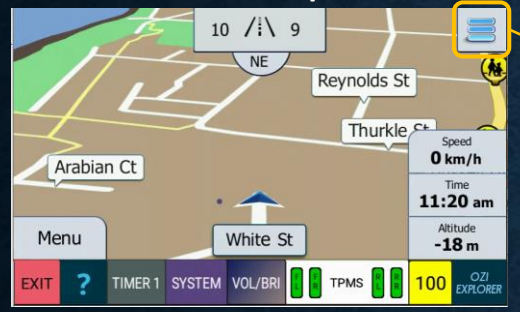


8. "Go" to begin the journey.

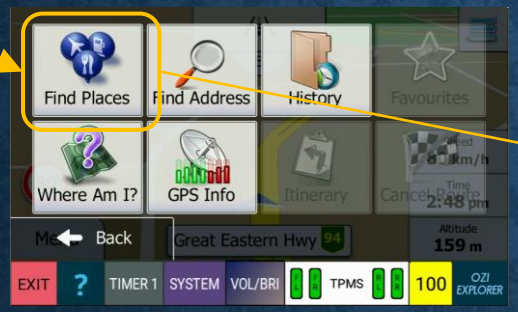
iGO ROUTING – ONIS OziExplorer Waypoint

Example - routing to a waypoint created by the OziExplorer Navigation App.

1. Select the quick menu.

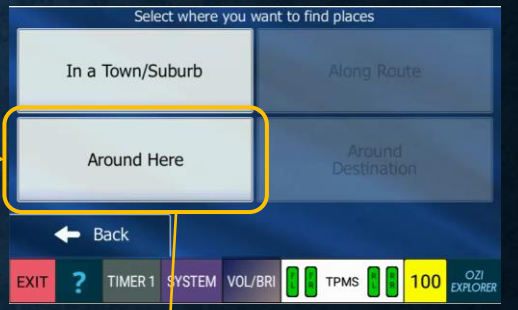


2. Find Places.

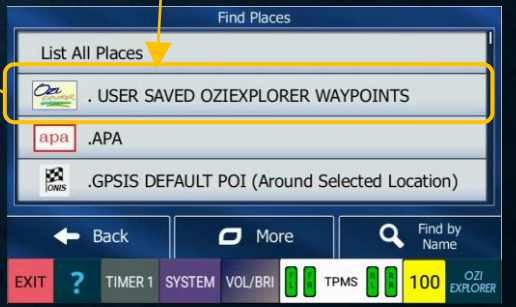


3. Custom Search.

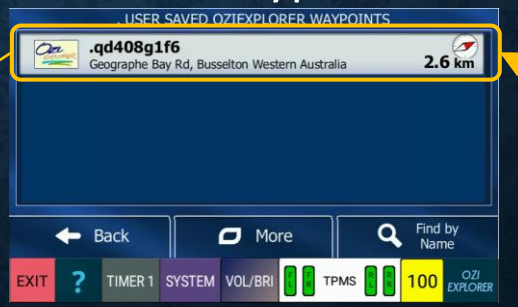
4. Enter closest town or around here.



5. Select GPSIS folder.

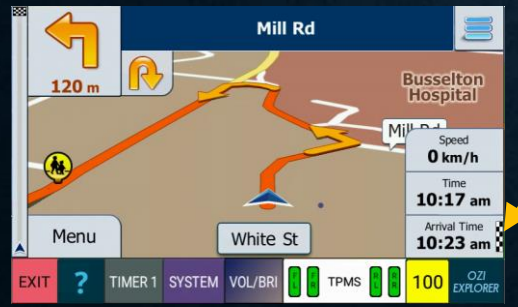


6. Select Waypoint.



7. "Select" to continue.

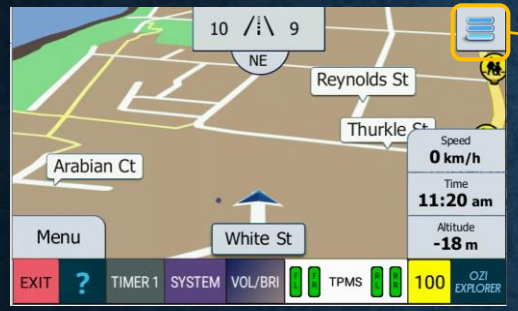
8. Begin the journey.



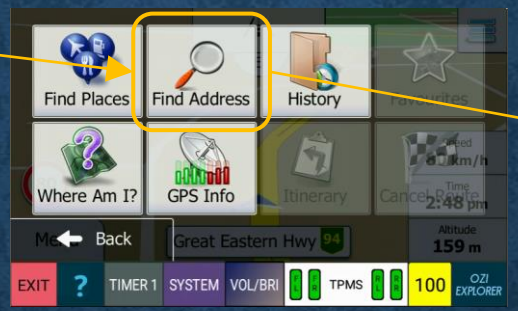
iGO ADDRESS ROUTING

Example - routing to an address in the iGO database.

1. Select the quick menu.



2. Find Address.

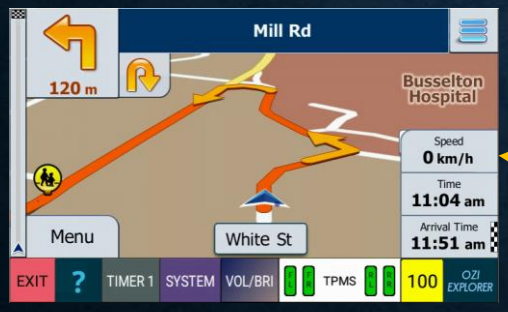


3. Enter Address details.

4. "Select" to continue.

5. "GO" to continue.

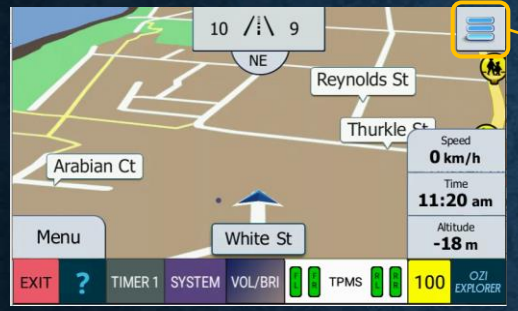
6. Begin route.



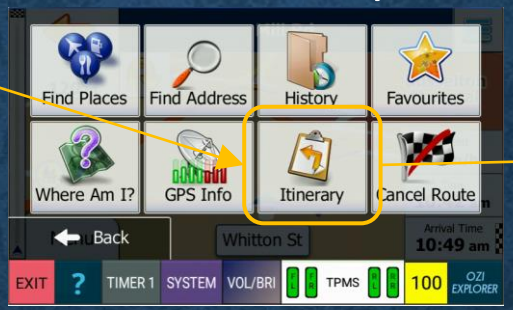
iGO ROUTING – VIEWING THE ITINERARY

Once a route has been loaded, the user can view the Itinerary.

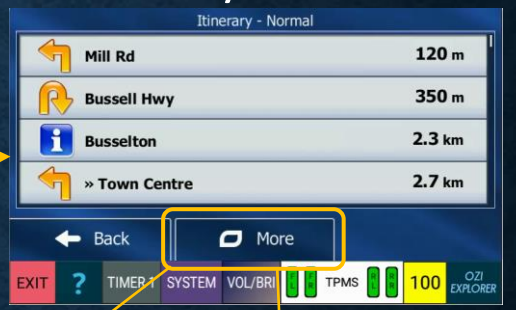
1. Select the quick menu.



2. Select Itinerary.

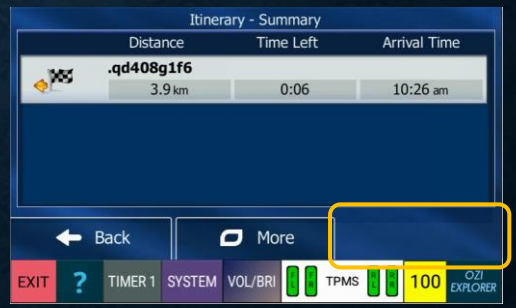


3. Itinerary details.



Detailed Itinerary.

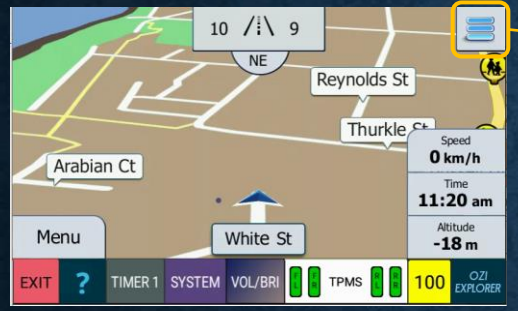
Itinerary summary.



iGO ROUTING – LOADING HISTORY ROUTE

Once a route has been created, the user can view load or delete the route.

1. Select the quick menu.



2. Select Itinerary.

3. Display History Routes.

Load Route.

Delete Route.

iGO ROUTING

SPEED ALERTS

SPEED ALERTS

The ***ONIS iGO*** app uses it's own speed alert system for many roads however remote roads and tracks are typically not available in the iGO app. The default profile over speed warning is set to 105% of the current location speed limit.

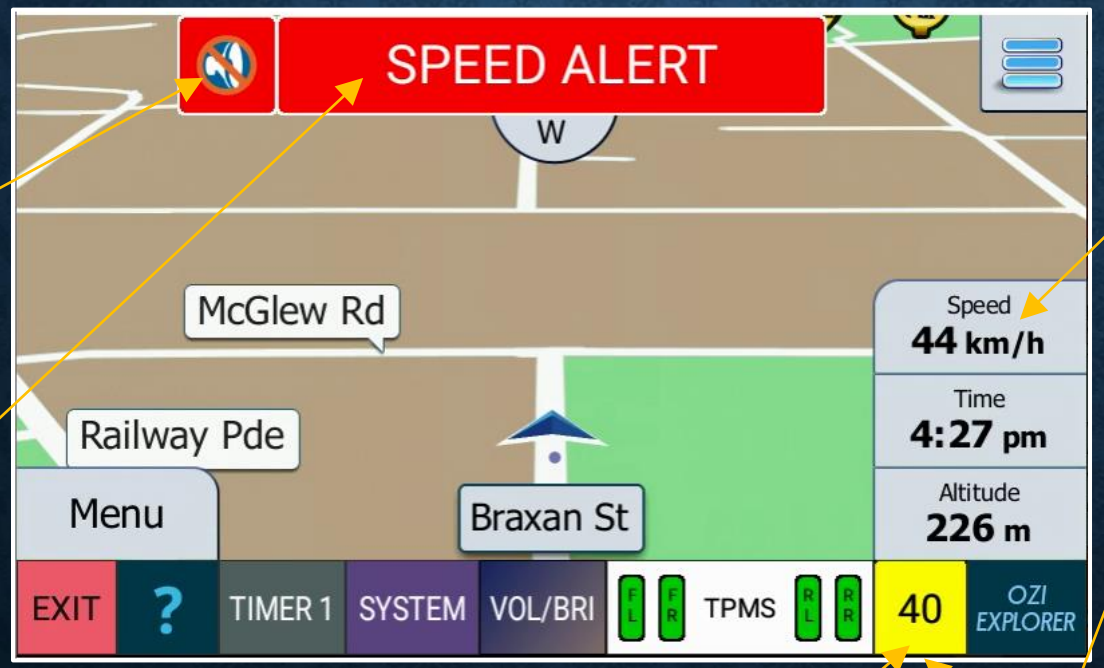
The ***ONIS*** incorporates a ***Geofence Speed Alert*** system using the ***Geohash*** algorithm and data tables containing existing pre-configured ***Geofence Speed Alert*** records.
The ***ONIS*** calculates the current location ***Geofence*** using the ***Geohash*** algorithm (approx. every 5 seconds) and if this ***Geofence*** match's the pre-configured record set contained in the ***ONIS***, the associated ***Speed Alert*** will be used.

If the vehicle speed exceeds this Speed Alert value, then a alarm message will be displayed with an audible message.

The ***Geofence Speed Alert*** can be configured with values from 10 km/h up to 110 km/h (in 10 km/h increments). The audible can be set to once or continuous, and beep or say speed value.

ACTIVE GEOFENCE SPEED ALERT

If the vehicle speed for the current ***Geofence*** location exceeds a value in the ***Geofence*** tables, then an alarm will be be displayed.



Press on the mute symbol to silence the message.

Geofence Speed Alert

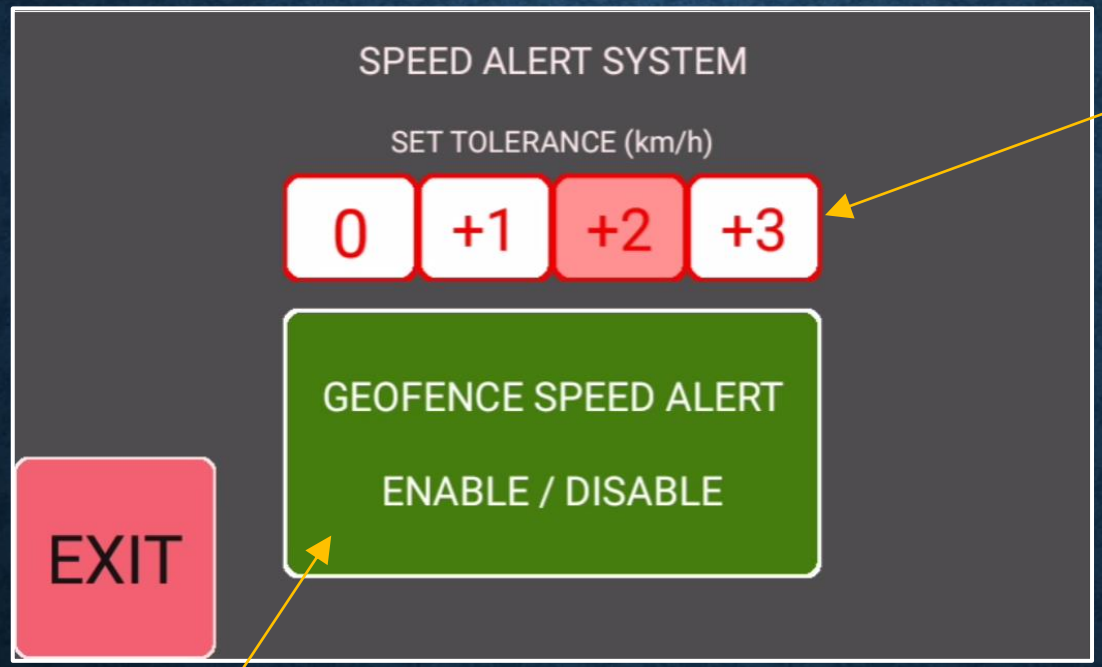
Vehicle speed.

A yellow background indicates there is a Geofence record in the tables for the current calculated location.

Select to open the ***Geofence Speed Alert*** menu.

The ***Geofence Speed Alert*** system is enabled but no records are found for the current location.

GEOFENCE SPEED ALERT MENU



Set the tolerance value that will be added to the Speed Alert value.

Enable / Disable the ***Geofence Speed Alert*** system.

SPEED ALERTS

GEOFENCE MESSAGES

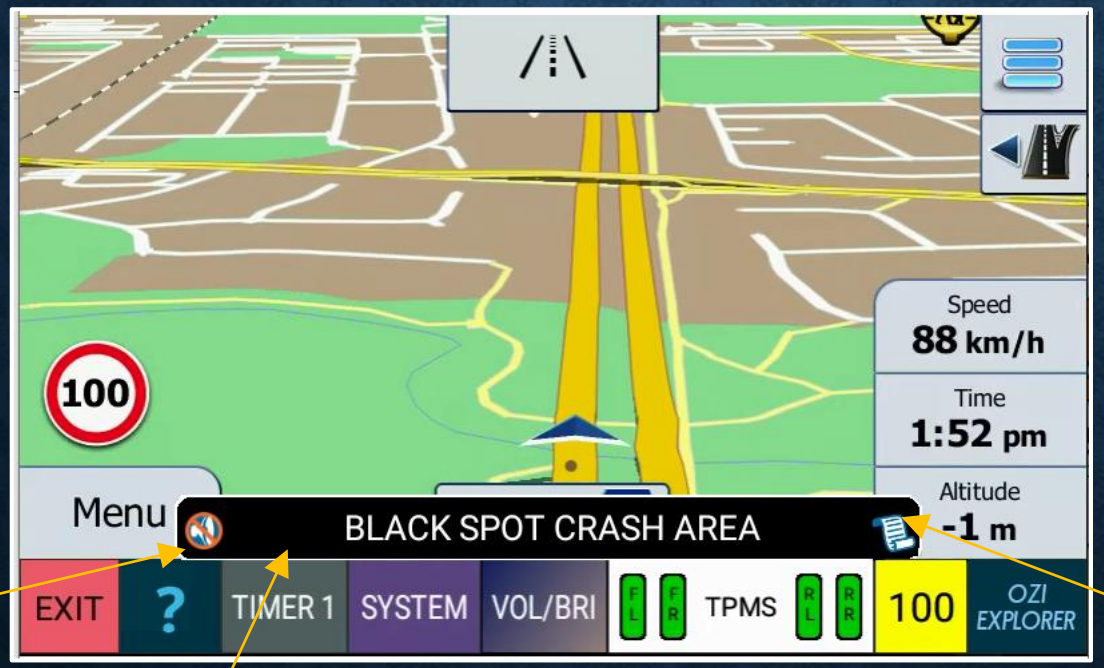
GEOFENCE MESSAGES

The ***ONIS*** incorporates ***Geofence Message*** system using Geohash's and a data tables containing existing pre-configured ***Geofence Messages***.
The ***ONIS*** calculates the current location ***Geofence*** using the ***Geohash*** algorithm (approx. every 5 seconds) and if this ***Geofence*** match's the pre-configured record set contained in the ***ONIS***, the associated message will be displayed on the screen.

The ***Geofence*** has the capability of displaying different colours, audible sounds and a long message page screen.

GEOFENCE MESSAGE

The ***ONIS*** features a Geofence messaging system using the Geohash mathematical algorithm which compares the current location Geohash to pre-set data entries.



Press on the mute symbol to silence the message.

Geofence Message.

Press on message “Scroll” symbol to display Additional **Geofence Long Message** information.

GEOFENCE LONG MESSAGE

Example of a **Geofence** long message**.**

GEOFENCE MESSAGES

FATIGUE TIMER

FATIGUE TIMER

The ***ONIS*** features an integrated ***Fatigue Timer*** which does not require any user input and is fully automated - simply drive the vehicle and then rest when the message is displayed.

If the ***Fatigue Timer*** is enabled, it will only start timing once the vehicle speed exceeds 75 km/h and will then continue to timeout regardless of speed.

A small flash message is displayed every 5 seconds at the top of the screen providing the driver with the driving or rest remaining time status.

Once the ***Fatigue Timer*** has finished, there are only 3 ways to reset the timer:

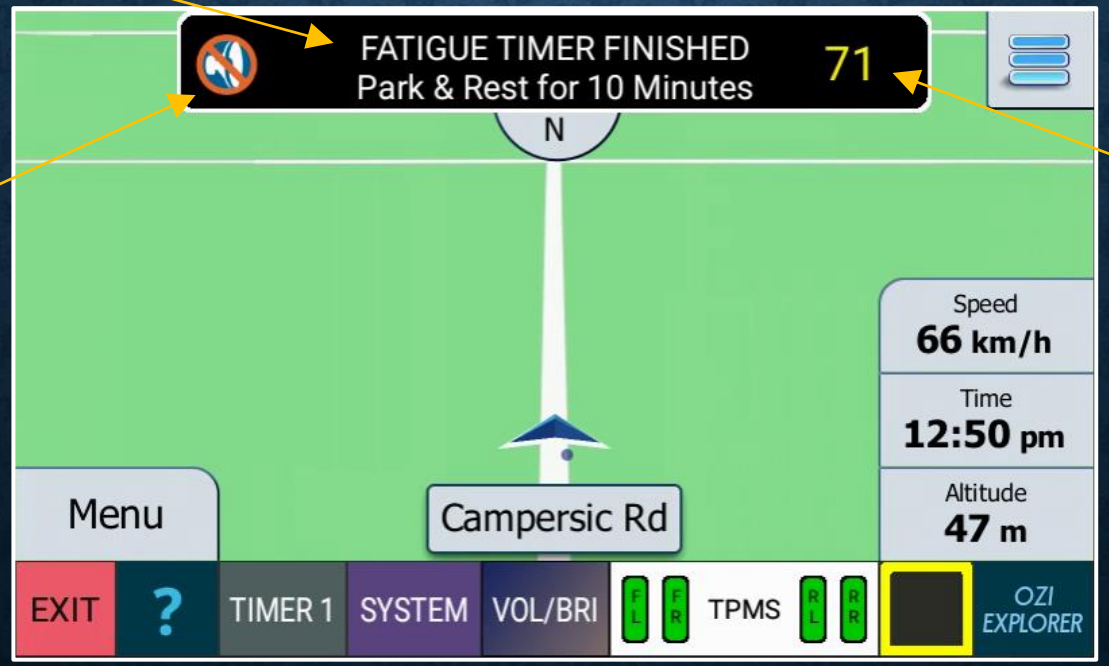
1. Park the vehicle and rest for 10 minutes minimum with the GPS App running
2. Park the vehicle and allow the ***ONIS*** to power down for a minimum of 10 minutes
3. Park the vehicle and toggle the enable / disable ***Fatigue Timer*** in the setup menu.

FATIGUE TIMER

The ***ONIS*** features a 2 hour integrated automated ***Fatigue Timer*** which can be enabled or disabled from the ***SYSTEM & SETTINGS / Default Settings*** menu.

The ***Fatigue Timer*** finished message will be displayed after 120 minutes has elapsed.

Select to mute the ***Fatigue Timer***.



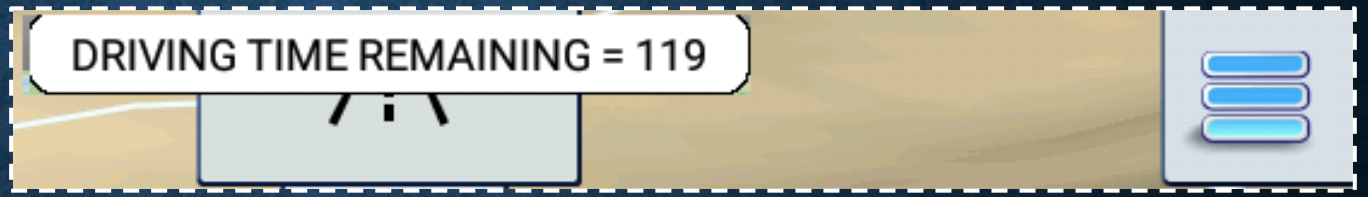
An overrun message will indicate the exceeded time, past the 120 minutes.

FATIGUE TIMER SEQUENCE MESSAGES

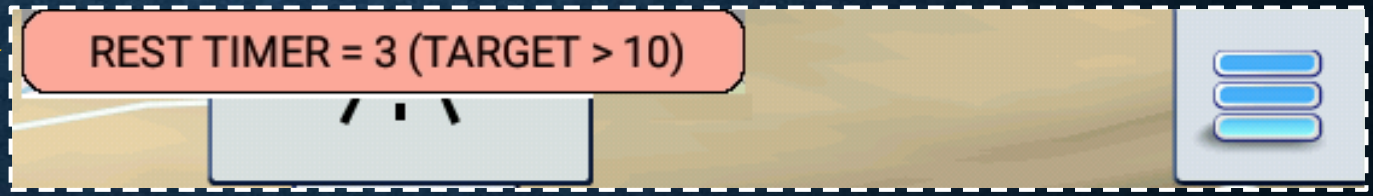
One of the following messages will be displayed every 5 seconds.

The fatigue timer will become active once the vehicle speed has exceeded 75 km/h.

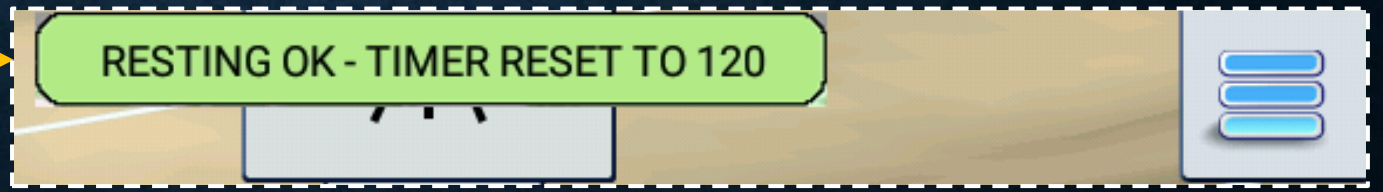
Displays the remaining driving time after the timer is active.



Displays the remaining rest time required prior to resetting the timer.



Indicates that the 10 minute rest time has been completed.



FATIGUE TIMER

COUNT DOWN TIMERS

COUNT DOWN TIMERS

The ***ONIS*** features two count down Timers – 120 minute and 12 hour.

The timer settings are easily accessible set using menus with large buttons and pre-set ***QUICK SET*** times, or the user can increment the manual slider bar.

Both timers retain the timer values after an ***ONIS*** or navigation app restart

The 120 minute timer also features an overrun message which provide the user with the time that has exceeded the set time.

COUNT DOWN TIMERS

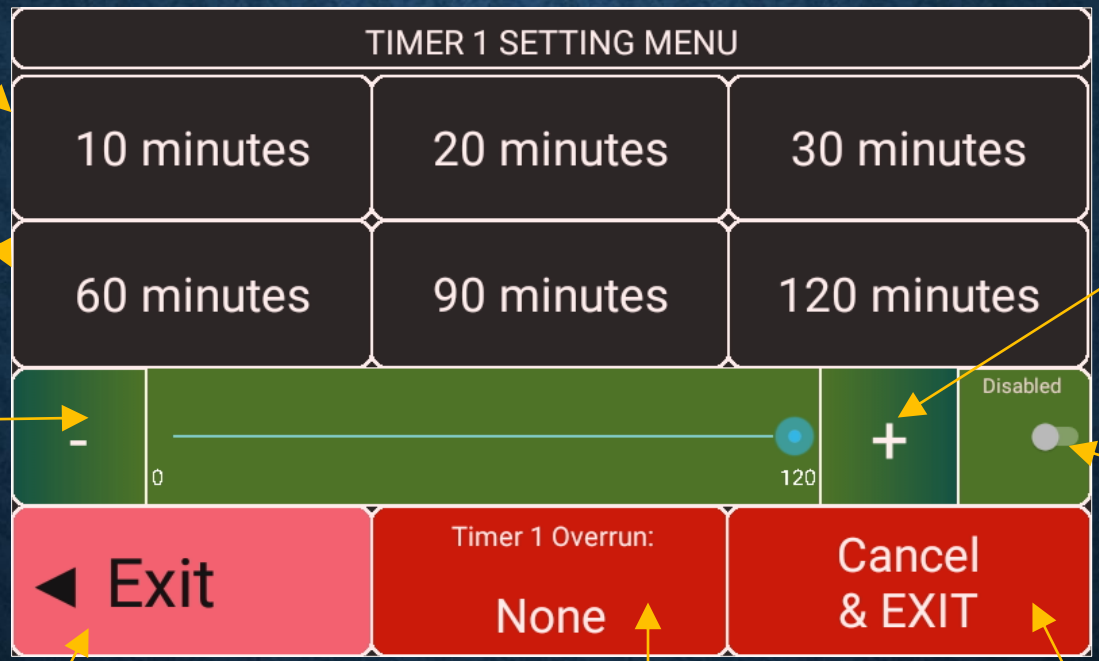
Timer Overrun message will flash every 5 (seconds (approx.) until Timer 1 is cancelled or reset.

Timer 1 has finished. Select this button to access timer 1 settings.

When a timer has finished, an audio voice alert will be played every 5 seconds.

120 MINUTE COUNT DOWN TIMER

Easy set Count Down timer commands.



Manually set the timer up.

Manually set the timer down.

Disable the timer.

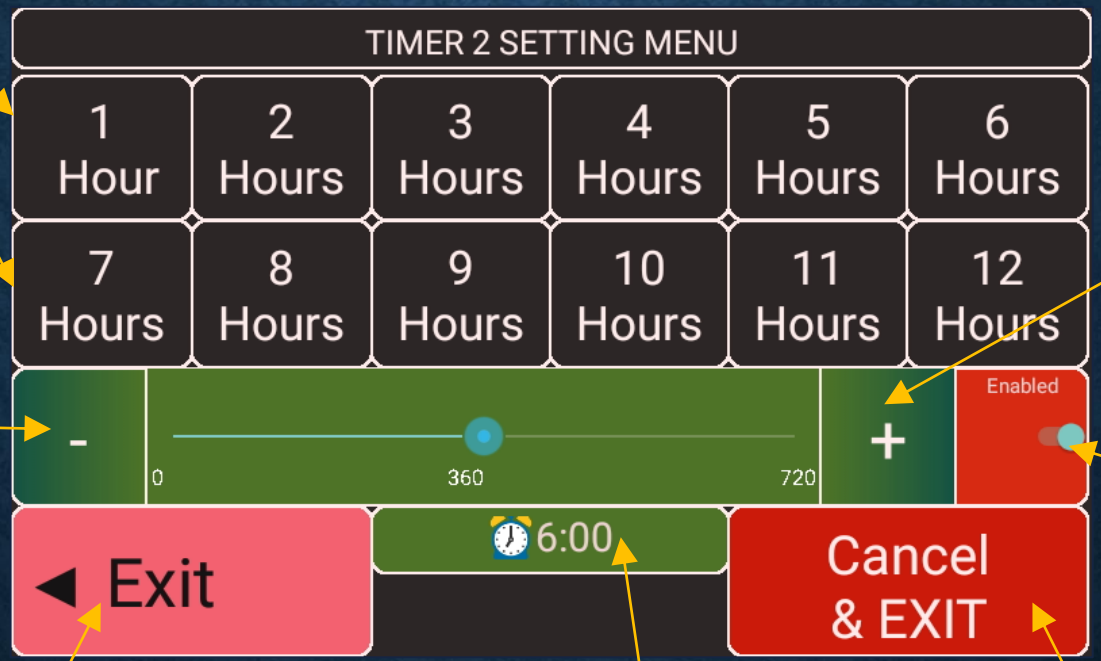
Exit back to the map screen.

Timer overrun will display the time that has expired since the timer finished.

Cancel the timer and exit back to the map screen.

12 HOUR COUNT DOWN TIMER

Easy set Count Down timer commands.



Manually set the timer up.

Manually set the timer down.

Disable the timer.

Exit back to the map screen.

Time remaining.

Cancel the timer and exit back to the map screen.

COUNT DOWN TIMERS

TPMS

TYRE PRESSURE MONITORING SYSTEM (TPMS)

The ***ONIS*** features and integrated Tyre Pressure Monitoring System (***TPMS***)

The ***TPMS*** monitors all enabled wheel sensors in real time and if an alarm condition occurs, the navigation app will close whilst displaying ***TPMS*** alarms screens with an audible alarm at maximum volume.

The ***TPMS*** status can be viewed (settings can only be performed from the ***TPMS Configuration*** app available in the ***ONIS Main Menu***)

The ***ONIS TPMS*** system also incorporates our own bluetooth traffic monitor for the ***TPMS*** BLE wheel sensors allowing the ***ONIS*** to also determine if a sensor has failed.

All ***TPMS*** alarms are logged with the information available for viewing in the ***SYSTEM & SETTINGS*** menu, or downloadable to a PC.

TPMS

The ***ONIS*** integrated ***TPMS*** system can monitors up to 4 enabled Bluetooth wheel sensors in real time for pressure fluctuations and sensor health.

Select to display the ***TPMS*** overview screen.

TPMS sensor health.
Green = OK.
Grey = Searching for sensors.
Red = Sensor not found.

TPMS SENSOR MONITORING

The following colours will be displayed for the ***TPMS*** System

All enabled sensors are green (OK).

Sensors will be grey if the system is searching.

Sensors will be red if they have not been found within a 24 hour rolling period.

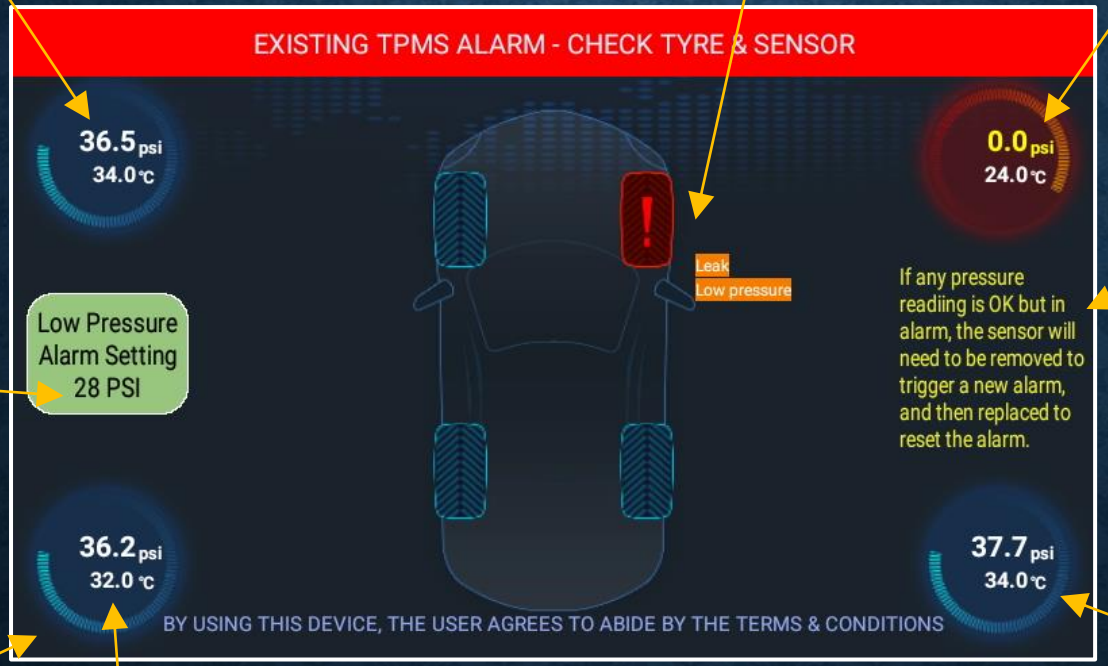
If the ***TPSM*** is disabled, The background will be red.

NAVIGATION APP STARTUP WITH AN EXISITNG TPMS ALARM

Front Left (Sensor 1)
Press and Temp.

Right Front
(Sensor 2) in
alarm condition.

Front Right (Sensor 2) Press
and Temp.
Red circle indicates “Alarm”.



Information message
about sensors that
are red but pressure
is OK.

Displays the low
pressure setting.

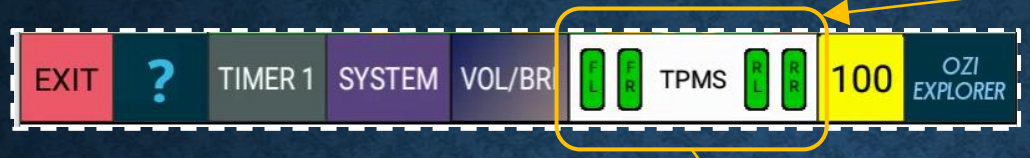
Blue circle indicates “OK”

Exit the
navigation app.

Rear Left (Sensor 3).
Press and Temp.

Rear Right (Sensor 4)
Press and Temp.

TPMS VIEW SCREEN

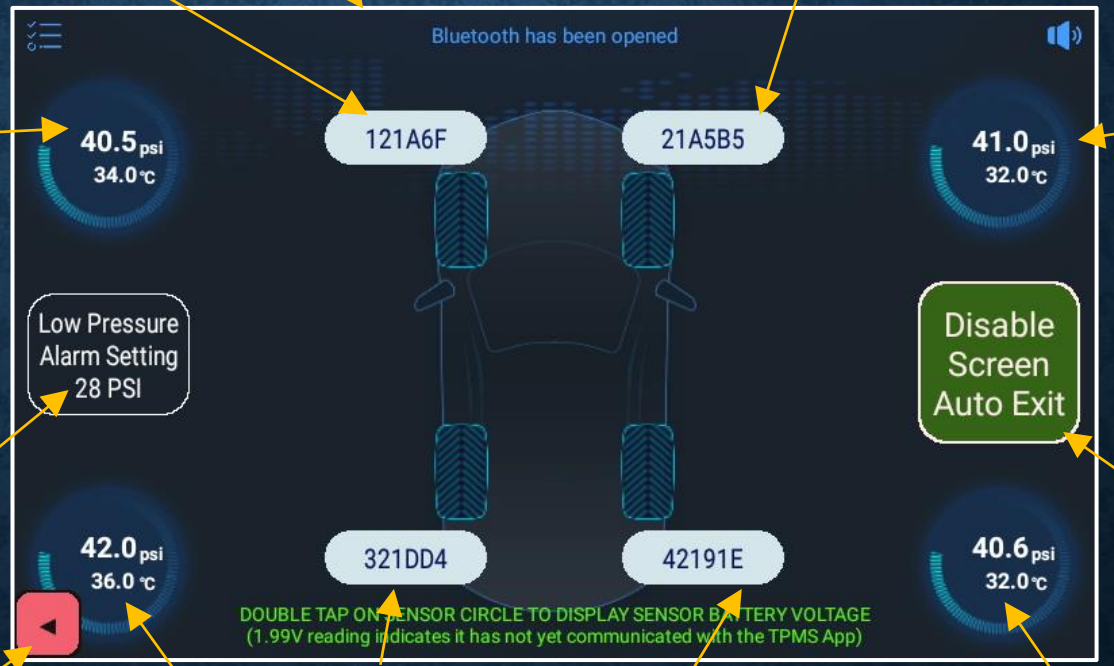


**** START HERE ****
Select this button to display the *TPMS* overview Screen.

Sensor 1 ID.

Sensor 2 ID.

Front Left (Sensor 1) Press and Temp.



Front Right (Sensor 2) Press and Temp.

If any sensors report back a value less than this, then there will be a ***TPMS*** alarm.

Select this button to disable the 15 second automatic screen exit.

Exit back to map screen.

Rear Left (Sensor 3) Press and Temp.

Sensor 3 ID.

Sensor 4 ID.

Rear Right (Sensor 4) Press and Temp.

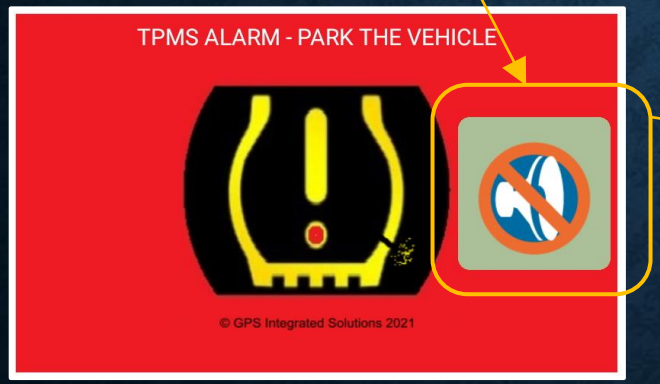
TPMS ALARM

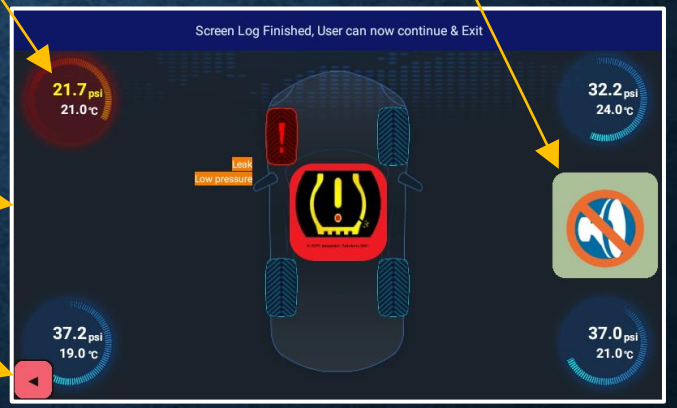
If the ***ONIS*** detects a ***TPMS*** alarm condition, the ***ONIS*** will automatically shutdown the navigation app, log all the data and then display the alarm screens with an associated audio beep (set at max volume and not configurable by the user).

Select to mute the ***TPMS*** alarm.

Wheel that initiated the ***TPMS*** Alarm.

Select to mute the ***TPMS*** alarm.





Select "Pop-up" to exit back to the main menu.

Firstly, this screen will be displayed whilst the ***ONIS*** is closing the navigation app.

Secondly, this screen will be displayed whilst the ***ONIS*** is saving the log data information.

TPMS

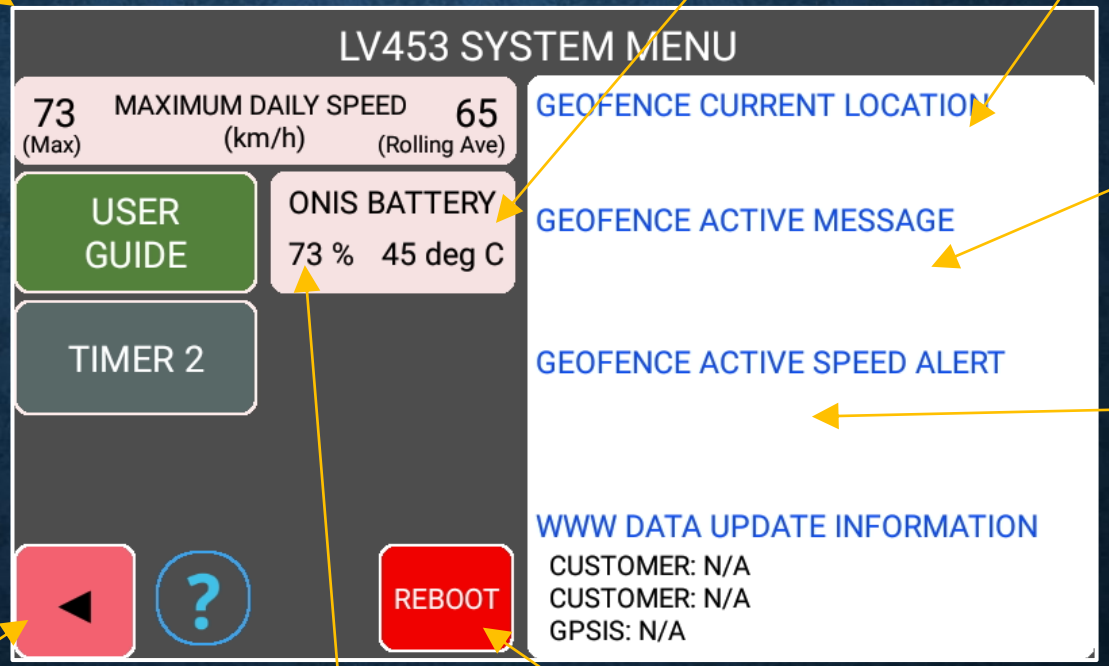
SYSTEM MENU

SYSTEM MENU

The ***SYSTEM*** Menu in the navigation app allows the user to access Timer 2, reboot the ***ONIS***, and displays the current ***ONIS*** battery & ***Geofence*** information.

The ***Geofence*** information displayed reflects the data records (if the ***Geofence*** is active) used by the ***ONIS*** to compare the current location.

SYSTEM MENU



ONIS battery temperature.

Current precision 9 Geohash calculated location.

Displays (if any) the current ***Geofence Message***.

Displays (if any) the current ***Geofence Speed Alert***.

**** START HERE ****
Select this button to display the System Menu.

Exit back to map screen.

ONIS battery capacity remaining. Prese to display discharge log.

Backup data & log files and reboot the ***ONIS***.

SYSTEM MENU

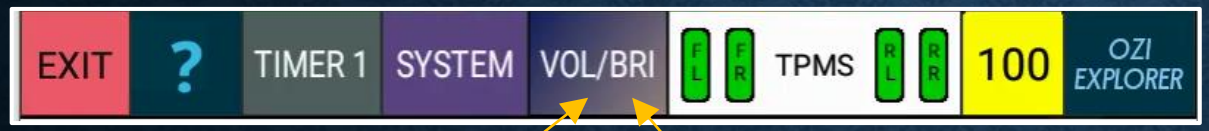
VOLUME MENU

VOLUME / BRIGHTNESS MENU

This menu allows the user to change the current volume and brightness values.

Changes in this menu is only set for the current navigation app session and the default values will be used when the ***ONIS*** or navigation app is restarted.

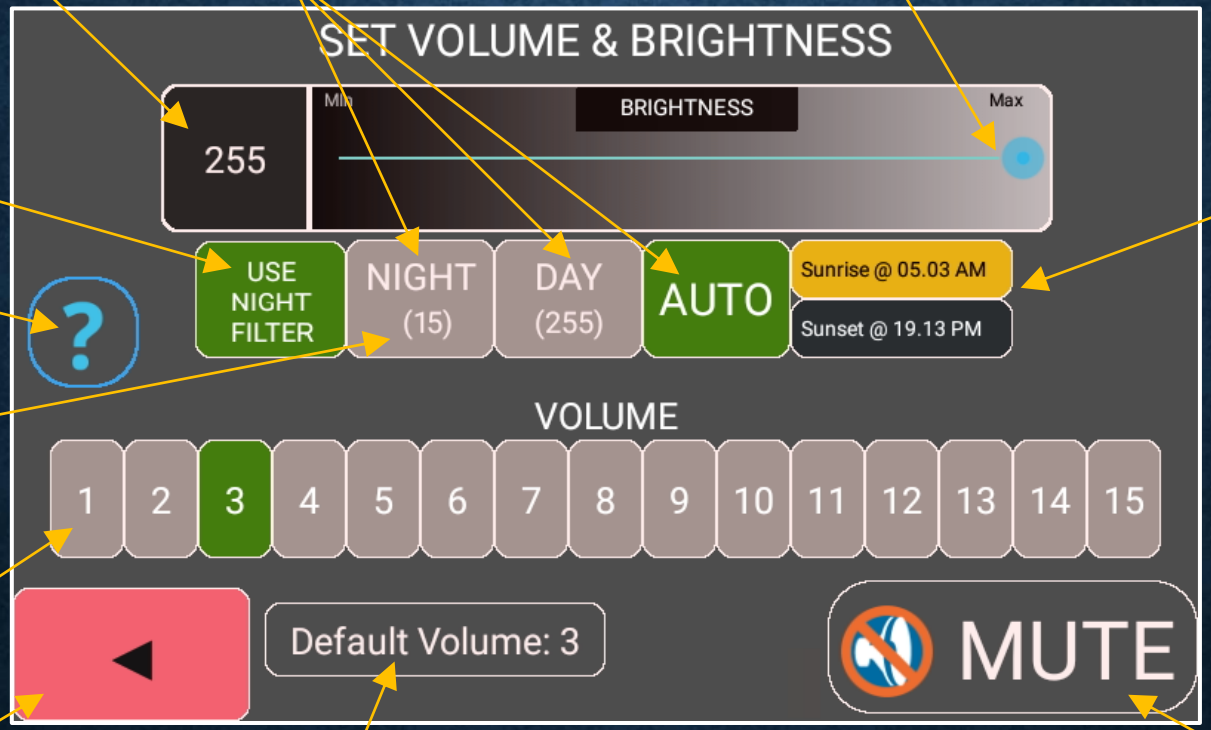
Changes to the default settings can be performed in the ***SYSTEM & SETTINGS*** menu available from the ***Main Menu***.



Open Volume & Brightness menu.

Long press to increase brightness to 50 for 5 seconds if brightness is below 50.

SET VOLUME & BRIGHTNESS MENU



Displays current brightness (max is 255).

Select brightness mode. Green will indicate the selected mode.

Use slider bar to adjust.

If enabled, the Night filter will further dim the screen when brightness = 10.

Display the calculated Sunrise & sunset values based on the current location.

Display the volume help.

Displays the default values which can be set in the setup menu by the user.

Select value from 1 (min) to 15 (max).

Exit back to map screen.

Displays the default volume.

Mute / Unmute toggle.

VOLUME MENU

SWITCH TO OZIEXPLORER NAVIGATION

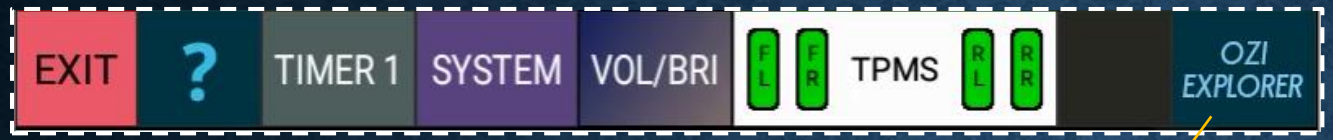
SWITCH TO OZIEXPLORER NAVIGATION

The ***ONIS*** user can fast switch to the ***OziExplorer*** navigation app without having to exit the ***iGO*** app and then restart ***OziExplorer***.

When the fast switch option is operated for the first time since the ***ONIS*** was powered up (or the ***iGO*** app started), information messages will be displayed and the switch time will be approximately 20 seconds.

Once the navigation switch has been operated for the first time, subsequent switch times will be less than 5 seconds (information messages will not be displayed).

SWITCH TO OZIEXPLORER NAVIGATION



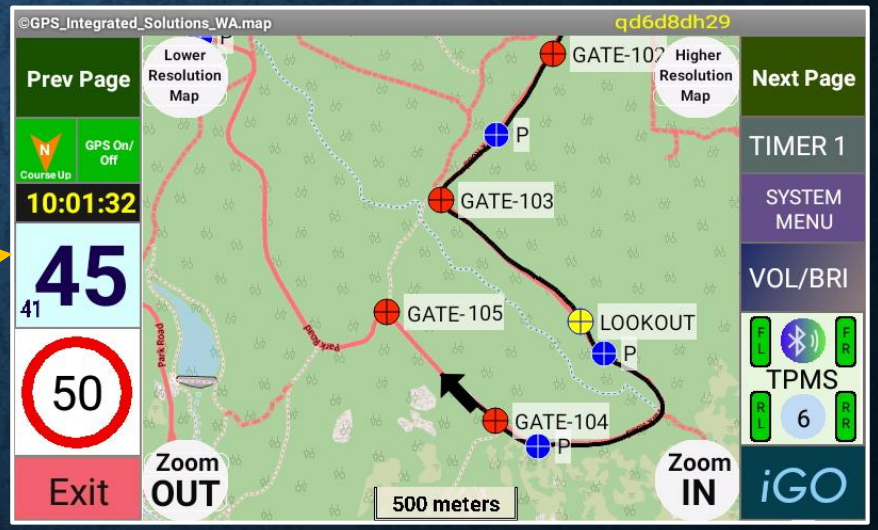
IMPORTANT NOTICE

THE OZIEXPLORER MAP WILL BE
DISPLAYED SIMILAR TO AN ATLAS.

The current map default is set to "COURSE UP".
As the map descriptions and labels are embedded in the rastor maps as "NORTH UP", the map descriptions will be upside down when travelling SOUTH, and sideways when travelling EAST or WEST.

Launching OziExplorer

BY USING THIS DEVICE THE USER AGREES TO ABIDE WITH THE GPSIS TERMS & CONDITIONS



SWITCH TO OZIEXPLORER NAVIGATION

FAQ, KNOWN ISSUES, FAULTS & BUGS

KNOWN ISSUES, FAULTS & BUGS

(not covered by warranty or consumer guarantees)

Q. On rare occasions, the ONIS is powered up but I can't see any visible satellites.

Our experience has been, If you are in clear open space and have 0 satellites visible after 2-3 minutes after an ***ONIS*** restart, check the satellite visibility from the System Menu option. If the problem is consistent after every ***ONIS*** restart, contact ***GPSIS***.

Q. On rare occasions, when I start the GPS App with the TPMS enabled with ***NO TPMS*** previous alarm condition, why do see an alarm (red) indicating a leak when the pressure is OK?

There is a feature in the ***TPMS*** software App which if the sensor is knocked / vibrated, causes the ***TPMS*** App to register a leak. ***GPSIS*** does not use this feature whilst the GPS App is running, however we do monitor any existing alarms using the red colour on startup.

NOTE:

This DOES NOT affect the ***TPMS*** alarm function whilst driving as the ***ONIS*** uses both the red colour and audio, to determine a ***TPMS*** alarm condition

Q. When I start the GPS App with the ***TPMS*** enabled after a ***TPMS*** previous alarm condition, why do see an alarm (red) when the pressure is OK?

If the ***TPMS*** App is shutdown with an existing alarm, the next time the App starts up it will display and alarm even if the pressure is OK.

This is due to the ***BLE*** sensors being "report by exception"

Remain in the GPS App for the duration of the 180 second timer. If the sensor is found (reports back to the ***ONIS***) in the this time, the startup up will progress automatically.

OR,

Exit from the GPS App and start the "***TPMS*** Settings" App. Remove and reattach the wheel sensor to force a "***TPMS Alarm Test***" condition.

Restart the GPS App.

Q. What is the GPS accuracy of the ***ONIS***?

Trees, clouds, buildings, the mounting location or any other obstruction can affect the satellite visibility leading to poorer accuracy. Typically with good visibility, the user can expect around +/- 10m.

Q. Why does a ***TPMS*** sensor take a long time to scan & register?

A TPMS sensor should register with the App (when it is running) using "report by exception" (ie when there is an alarm condition) or typically & approximately every 5-10 minutes.
We have noticed that one particular brand of TPMS sensor reports back on sensors 1,2 &3 every 5 to 10 minutes, but much longer for sensor 4 (Right Rear). This does not affect the operation and if in doubt, perform a tyre deflation test to confirm TPMS alarm operation.

Q. Why do I get a "GPS Signal Lost" audible message when I switch from OziExplorer to iGO navigation?

The iGO app only connects to the GPS satellite service when the app is running in the foreground. When switching from the OziExplorer app to the iGO app, the iGO app is moved from the background to the foreground and then performs then GPS satellite checks.

Q. When the iGO app is running, is the OziExplorer app still logging data?

Yes, the OziExplorer app runs in both the foreground and background.

KNOWN ISSUES, FAULTS & BUGS

ATTRIBUTIONS

ATTRIBUTIONS

iGO POI data examples have been sourced from:

© Commonwealth of Australia (Geoscience Australia)
www.ga.gov.au

© Government of Western Australia (dataWA)
www.data.wa.gov.au

Other providers as displayed when the ***ONIS*** navigation app starts.

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