

***SYSTEM & SETTINGS***  
***HELP INFORMATION***

***(User & Owner Modes)***

# ***SYSTEM MENU – CONTENTS (09-06-2024)***

Page.		Page.	
3.	SYSTEM MENU OVERVIEW	36.	VIEW STARTUP TIPS IMAGE GALLERY
4.	SYSTEM MENU SCREEN	40.	VIEW STARTUP MESSAGE
6.	ADJUST VOLUME / BRIGHTNESS MENU	43.	VIEW GPS SATELLITES
8.	DEFAULT SETTINGS (inc Owner Options)	45.	HOW TO VIEW TERMS & CONDITIONS
21.	TPMS SETTINGS	48.	WWW UPDATE APPS
24.	VIEW TPMS TESTS	51.	WWW UPDATE DATA
26.	VIEW TPMS ALARMS	54.	INSTALLATION REQUIREMENTS
28.	VIEW TPMS TEST LOG	57.	OPERATIONAL REQUIREMENTS & INFO
30.	VIEW TPMS ALARM LOG	64.	KNOWN ISSUES, FAULTS & BUGS
32.	VIEW DAILY MAXIMUM SPEED LOG	68.	BUILD INFORMATION
34.	VIEW DAILY DISTANCE TRAVELLED LOG	71.	SPECIFICATONS & HARDWARE

# ***SYSTEM MENU OVERVIEW***

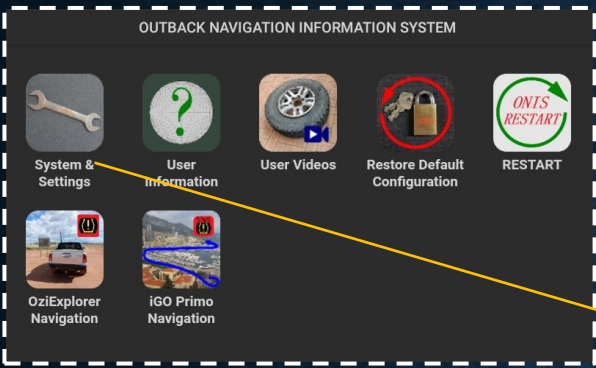
The ***SYSTEM MENU*** allows the owner / user to perform ***Outback Navigation Information System (ONIS)*** configuration settings and view ***ONIS*** system information and log data.

The owner has the ability to customize various options to allow / prevent the user from viewing some menus or making changes.

Configuration of the ***Tyre Pressure Monitoring System (TPMS)*** sensor Bluetooth binding and the alarm setpoints are performed from the ***TPMS Configuration*** app in the ***Main Menu***.

Known issues, faults & bugs are listed at the end of this document.

# SYSTEM MENU



Configure the **ONIS TPMS**.

Shutdown the **ONIS**.

Reboot the **ONIS**.

Displays the **ONIS** internal battery remaining capacity & internal battery temperature. (N/A on all units)

Press to view the battery temperature log. Long press to view the battery max temperature log.

Scan the QR code to browse the **GPSIS** web site.

Displays the Vehicle ID Device S/N & ID.

SYSTEM MENU - LV451

Default Settings	TPMS Settings Sensor 1 ID = 121A6F Sensor 2 ID = 21A5B5 Sensor 3 ID = 321DD4 Sensor 4 ID = 42191E LP Alarm = 28 psi	SHUTDOWN	REBOOT
Volume & Brightness	View TPMS Tests	View TPMS Alarms	Battery 38 deg C 100 %
WWW OWNER Data Update	View Startup Tips	TPMS Test Log	TPMS Alarm Log
WWW GPSIS App Update	View Startup Message	Daily Maximum Speed Log	Daily Dist Travel Log
Exit	GPS Satellites	?	System Log
			T&Cs
			Update & Build Log
			GPSIS www QR code
			Vehicle ID: LV451 Android ID: GPSIS-000001001 Serial Number: 001001-22601445

Set the **ONIS** Default Settings.

Adjust the vol / brightness.

Displays the current enabled sensors ID's. Select to configure the monitored sensors.

Exit to **ONIS** Main Menu.

View the GPS visible satellites.

This help page.

Update the **ONIS** apps and data.

**See below for sub menu explanations**

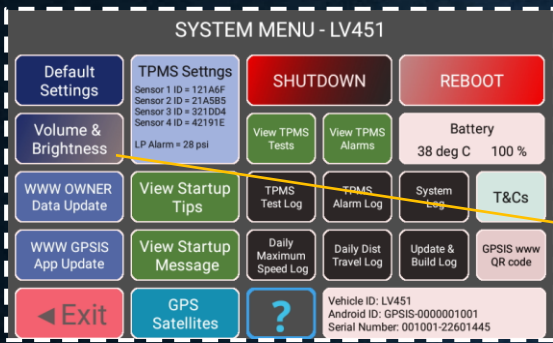


*SYSTEM MENU*

*ADJUST VOLUME / BRIGHTNESS*



# ADJUST VOLUME / BRIGHTNESS MENU



Displays current brightness (max is 255).

Select brightness mode.

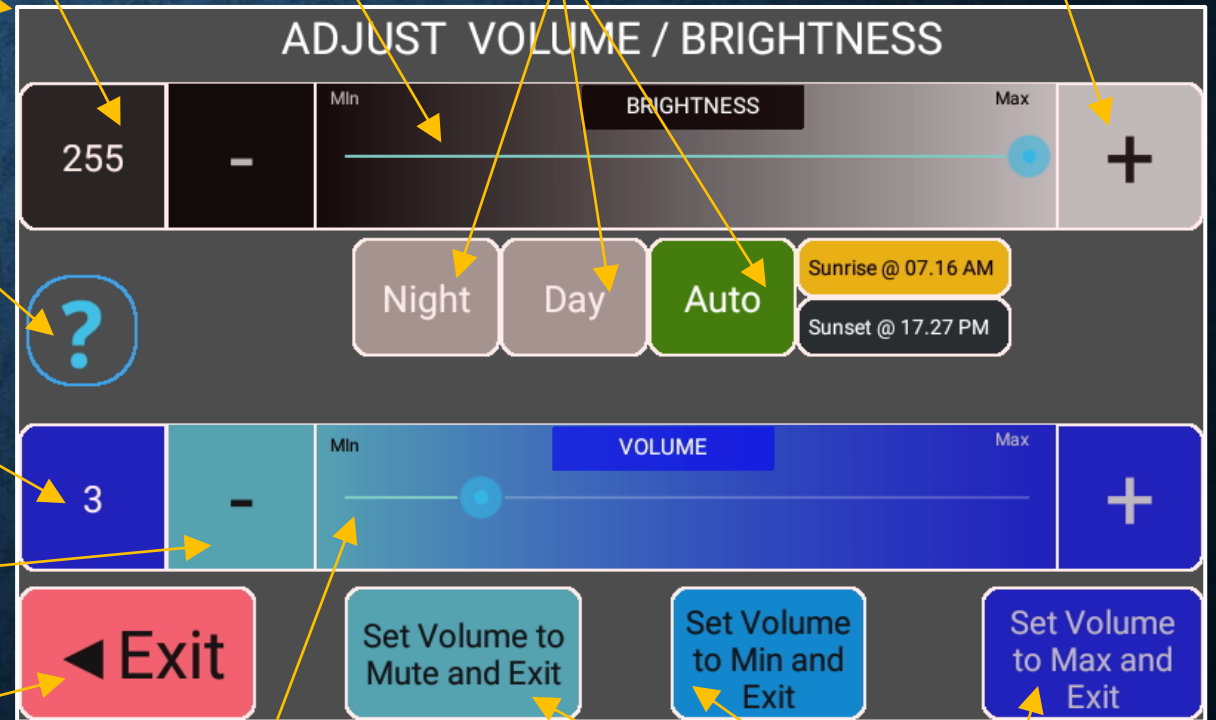
- / + to increment brightness UP / DOWN.

Use slider bar to adjust.

Display the help screen.

Displays current volume (max is 15).  
- / + to increment volume UP / DOWN.

Exit back to the **SYSTEM** menu.



Use slider bar to adjust.

Quick set Volume buttons.



*ADJUST VOLUME / BRIGHTNESS*

*DEFAULT SETTINGS*



# ***DEFAULT SETTINGS OVERVIEW***

The ***DEFAULT SETTINGS*** menu allows the owner / user to set the default parameters of the apps which are used when the ***ONIS*** starts up.

The owner has the ability to customize various options to allow / prevent the user from viewing some menus or making changes.

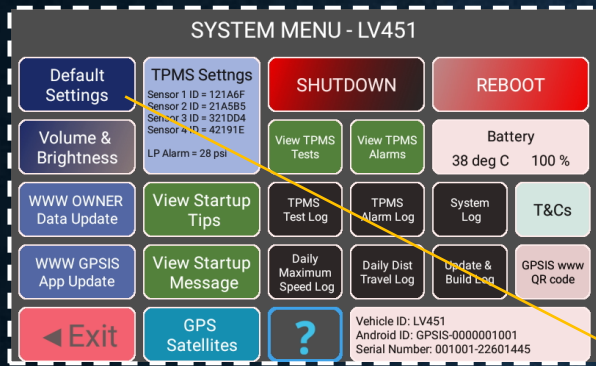
The user can add a unique vehicle ID to the ***ONIS*** which will be used in various screens and log files. The ID is limited to 10 characters and can be a combination of numerals and upper case letters.

## **NOTE:**

The “Set Vehicle ID” option is available to all users that have access to the default setting menu allowing the ***ONIS*** to be easily moved between vehicles or replaced. The user can then set the correct Vehicle ID to the installed ***ONIS*** unit.

For future possible auditing requirements by the owner, all changes to the “Vehicle ID” are logged and saved in the ***ONIS*** secure area and viewable by the owner and the user.





# DEFAULT SETTINGS MENU

Set owner Wi-Fi SSID to allow updates.

Enable / Disable the *Speed Alert* System.

*Speed Alert* options.

Select on ? description buttons to display explanations.

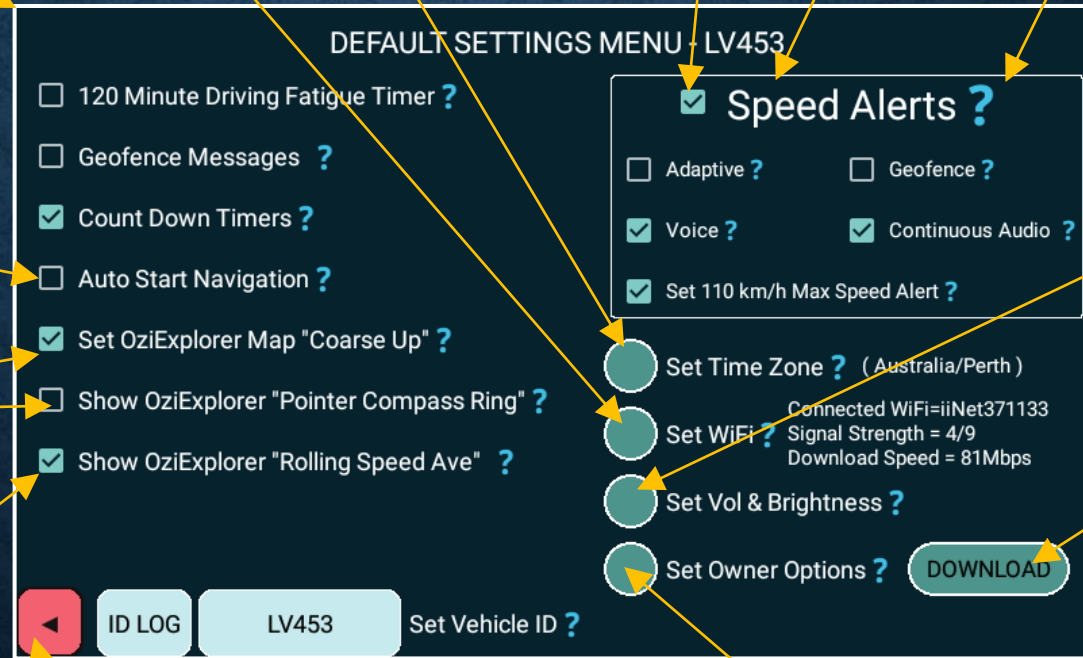
Set Time Zone.

Tick to auto start the navigation app when the *ONIS* is started.

Set the default OziExplorer map options.

Select to set the default volume / brightness.

Download and set the "Owner Options" from the Owner WWW file server.



Display the "Rolling Ave Speed"

Exit back to the *SYSTEM* menu.

Set the Vehicle ID / Registration.

Select to display the owner menu.

# SET OZIEXPLORES COURSE UP AS DEFAULT

DEFAULT SETTINGS MENU - LV453

- 120 Minute Driving Fatigue Timer ?
- Geofence Messages ?
- Count Down Timers ?
- Auto Start Navigation ?
- Set OziExplorer Map "Coarse Up" ?
- Show OziExplorer "Pointer Compass Ring" ?
- Show OziExplorer "Rolling Speed Ave" ?

**Speed Alerts ?**

- Adaptive ?
- Geofence ?
- Voice ?
- Continuous Audio ?
- Set 110 km/h Max Speed Alert ?

- Set Time Zone ? ( Australia/Perth )
- Set WiFi ?  
Connected WiFi=iNet371133  
Signal Strength = 4/9  
Download Speed = 81Mbps
- Set Vol & Brightness ?
- Set Owner Options ?

DOWNLOAD

ID LOG LV453 Set Vehicle ID ?

©GPS\_Integrated\_Solutions\_WA.map

Prev Page

Next Page

Lower Resolution Map

Higher Resolution Map

Course Up

GPS On/Off

Zoom Level 100

47

50

Exit

Zoom OUT

Zoom IN

500 meters

TIMER 1

HELP ?

TIMER 2

SYSTEM

TPMS 9

# SET OZIEXPLORES NORTH UP AS DEFAULT

DEFAULT SETTINGS MENU - LV453

- 120 Minute Driving Fatigue Timer ?
- Geofence Messages ?
- Count Down Timers ?
- Auto Start Navigation ?
- Set OziExplorer Map "Coarse Up" ?
- Show OziExplorer "Pointer Compass Ring" ?
- Show OziExplorer "Rolling Speed Ave" ?

Speed Alerts ?

- Adaptive ?
- Geofence ?
- Voice ?
- Continuous Audio ?
- Set 110 km/h Max Speed Alert ?

Set Time Zone ? ( Australia/Perth )

Set WiFi ?  
Connected WiFi=iNet371133  
Signal Strength = 4/9  
Download Speed = 54Mbps

Set Vol & Brightness ?

Set Owner Options ?

DOWNLOAD

◀ ID LOG LV453 Set Vehicle ID ?

©GPS\_Integrated\_Solutions\_WA.map

Prev Page    Lower Resolution Map    Higher Resolution Map    Next Page

GPS On/Off

Zoom Level 100

47

50

Exit    Zoom OUT    Zoom IN

500 meters

TIMER 1

HELP ?

TIMER 2

SYSTEM

OK 9

# SHOW OZIEXPLORES COMPASS RING

DEFAULT SETTINGS MENU - LV453

- 120 Minute Driving Fatigue Timer ?
- Geofence Messages ?
- Count Down Timers ?
- Auto Start Navigation ?
- Set OziExplorer Map "Coarse Up" ?
- Show OziExplorer "Pointer Compass Ring" ?
- Show OziExplorer "Rolling Speed Ave" ?

Speed Alerts ?

- Adaptive ?
- Geofence ?
- Voice ?
- Continuous Audio ?
- Set 110 km/h Max Speed Alert ?

Set Time Zone ? ( Australia/Perth )

Set WiFi ? Connected WiFi=iiNet371133  
Signal Strength = 4/9  
Download Speed = 54Mbps

Set Vol & Brightness ?

Set Owner Options ? [DOWNLOAD](#)

[ID LOG](#) [LV453](#) Set Vehicle ID ?

The top of the compass ring (when "course up" is selected, is the vehicle travelling direction. E.g. South in this instance.

©GPS\_Integrated\_Solutions\_WA.map

Prev Page      Next Page

Lower Resolution Map      Higher Resolution Map

Course Up      GPS On/Off

Zoom Level **100**

**39**

**40**

Exit

Zoom OUT      Zoom IN

500 meters

TIMER 1

HELP ?

TIMER 2

SYSTEM

TPMS

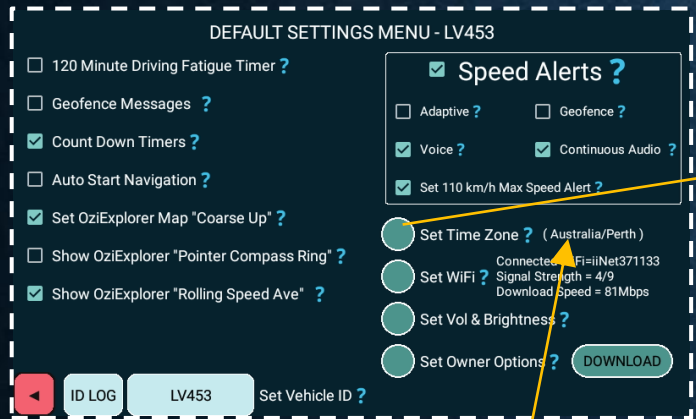
10

# SET DEFAULT TIME ZONE

Sort alphabetically.

Exit without changing.

Scroll the screen to choose and select the correct time zone for your region.



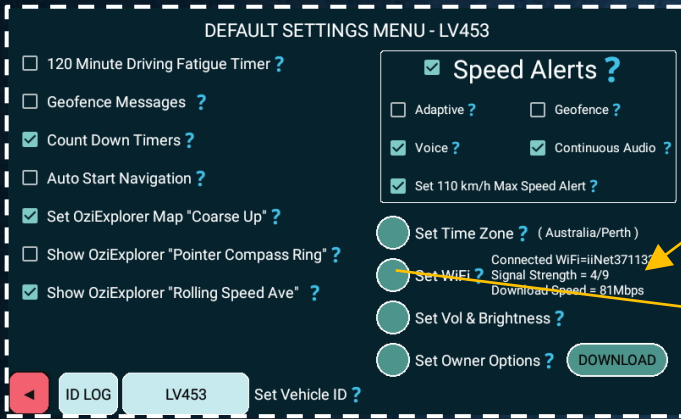
Displays the current Time Zone.



NOTE: Incorrect time zone setting will lead to incorrect log data time stamps.

# SET WiFi

Exit



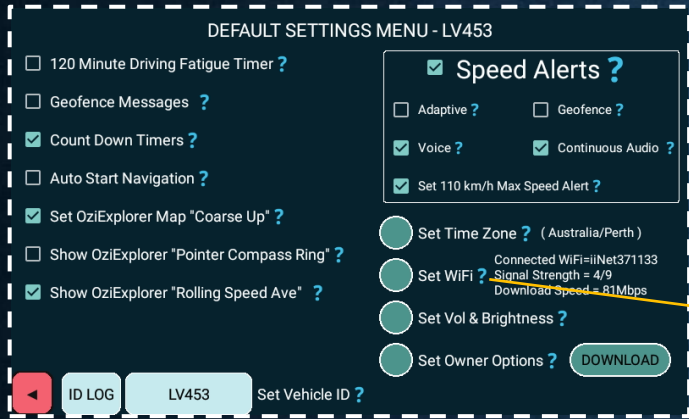
Displays the current connected Wi-Fi SSID.

Select the required Wi-Fi and then enter the password to authenticate and save.

We strongly recommend only having one Wi-Fi connection saved. This can be done by tapping on any other Wi-Fi connection and selecting "forget" if it has been saved previously.



# INTERACTIVE HELP INFORMATION



The user can set and connect to a WiFi SSID.

Note:

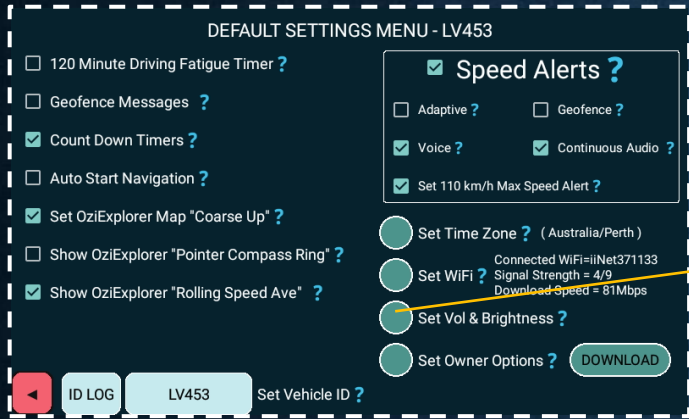
The WiFi must be set to the Owner SSID.

We strongly recommend only having 1 WiFi connection in the table and this can be achieved by selecting non used WiFi connections and selecting "forget".

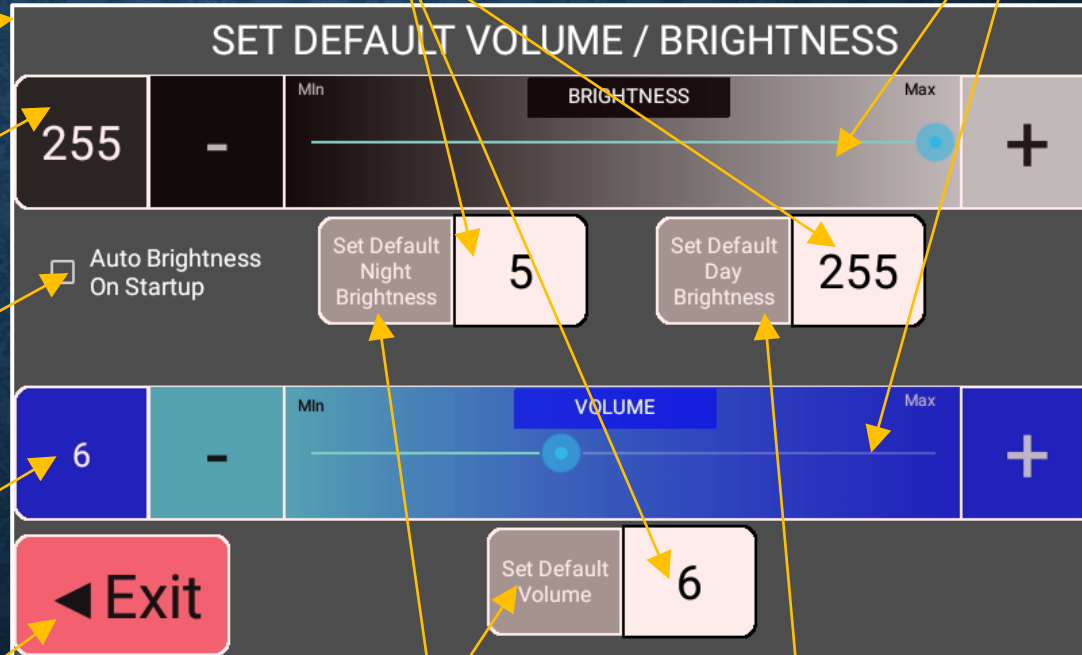
Exit

# SET DEFAULT VOLUME / BRIGHTNESS

Use the slider bars or + / - buttons to change the default settings.



Displays default value.



Displays adjusted value.

Tick this checkbox to set the "Auto Day / Night" brightness mode.

Displays adjusted value.

Exit back to the **SYSTEM** menu.

Select the "Set" buttons to save the new default values.





***DEFAULT USER SETTINGS***

***OWNER OPTIONS***



# ***OWNER OPTIONS OVERVIEW***

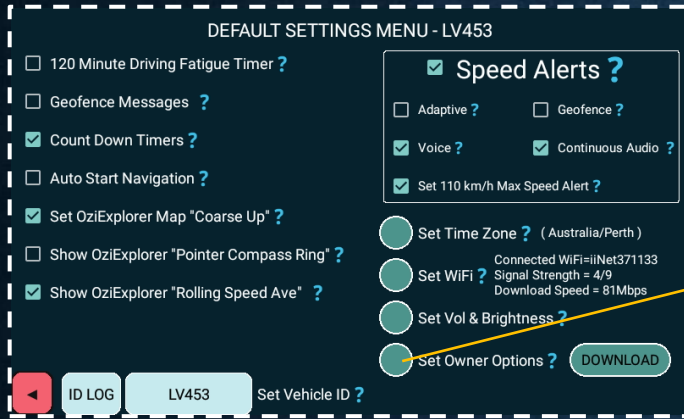
The ***OWNER OPTIONS*** menu allows the owner to set various parameters on the ***ONIS*** which will provide the users with a consistent secured device, across the fleet.

Most options are a “check box” to enable / disable and each option has an adjacent help option with the “ ? “

Refer to the “Owner Options” for more detail.

# OWNER OPTIONS MENU

Open Import / Export Menus.



Set the "User Messages" text colour.

Exit back to the **SETTINGS** menu.

Select on ? description buttons to display explanations.

Display the help screen.

Set check box's to enable / disable options.



***OWNER OPTIONS MENU***

***TPMS SETTINGS***



# ***TPMS SETTINGS***

The ***ONIS*** features an integrated ***TPMS***.

The ***TPMS*** sensor monitoring menu allows the user to easily enable or disable any of the wheel sensors.

The navigation app uses this information to determine which sensors must be monitored for the ***TPMS*** health feature.

Included is a quick set ***Low Pressure Alarm*** setting of 16 PSI or 28 PSI, allowing the user to easily and quickly toggle between these two values for highway driving (28 PSI) or reduced wheel pressures (16 PSI) for sand driving.

***TPMS*** wheel sensor binding is performed using the ***TPMS Configuration*** app from this menu.

# TPMS SETTINGS

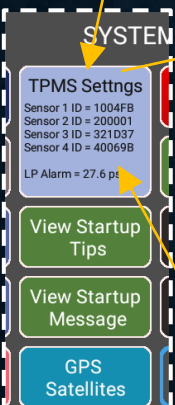
Displays Sensors information.

Check to enable / disable all **TPMS** monitoring.

Select to restore the defaults.

Check to enable / disable individual wheel sensors monitoring in the navigation app.

Select to start the TPMS app to bind the wheel sensors. **REFER TO THE TPMS CONFIGURATION DOCUMENT FOR DETAILS.**



The main screen is titled "TPMS Monitoring &amp; Configuration". It features a grid of settings: "Enable TPMS" (checked), "Restore defaults" (unchecked), "Monitor Front Left (1)" (checked), "Monitor Front Right (2)" (checked), "Monitor Rear Left (3)" (checked), and "Monitor Rear Right (4)" (checked). Each setting has a blue question mark icon to its right. Below the grid is a "TPMS Configuration" button with a Bluetooth symbol. At the bottom, there is a "LP ALARM 28 PSI" indicator, a "Set Low Pressure Alarm Setpoint" section with "16 PSI" and "28 PSI" buttons, and a "SET OTHER" button. A red play button icon is in the bottom left corner.

etc

etc

**\*\* START HERE \*\***  
Select this button to set the **TPMS** monitoring.

Exit back to the **SYSTEM** menu.

Displays the current "Low Pressure Alarm" setpoint.

Users can use the "quick set" buttons to easily toggle between these two values.

Select on the ? buttons to display explanations.



***TPMS SENSOR MONITORING***

***VIEW TPMS TESTS***



# VIEW TPMS TESTS

Screen capture image of a **TPMS** test.

Displays the Sensor ID.

Red = Alarm.

TPMS test information.

Blue circle is OK.

SYSTEM MENU - LV451

Default Settings	TPMS Settings Sensor 1 ID = 121A6F Sensor 2 ID = 21A5B5 Sensor 3 ID = 321DD4 Sensor 4 ID = 42191E LP Alarm = 28 psi	SHUTDOWN	REBOOT
Volume & Brightness	View TPMS Tests	View TPMS Alarms	Battery 38 deg C 100 %
WWW OWNER Data Update	View Startup Tips	TPMS Test Log	TPMS Alarm Log
WWW GPSIS App Update	View Startup Message	Daily Maximum Speed Log	Daily Dist Travel Log
Exit	GPS Satellites	?	System Log
			T&Cs
			Update & Build Log
			GPSIS www QR code

Vehicle ID: LV451  
Android ID: GPSIS-000001001  
Serial Number: 001001-22601445

LV453 - TPMS TEST RECORD

1. FL 1004FB      2. FR 000017

36.2 psi  
22.0 °C

0.0 psi  
17.0 °C

Leak  
Low pressure

S/N 1001-22601445, Date 13-06-2023 Time 17:34:51, LPSP=20PSI

3. RL 000004      4. RR 40069B

23.4 psi  
18.0 °C

38.5 psi  
19.0 °C

Scroll screen up & down to view pages      1

Exit back to the **SYSTEM** menu.

Image number 1  
(the newest image is the lowest number & max of 30 images).





***VIEW TPMS TESTS***

***VIEW TPMS ALARMS***



# VIEW TPMS ALARMS

TPMS alarm information.

Screen capture image of a **TPMS** Alarm whilst the navigation app was running.

Red = Alarm.



Blue circle is OK.

Exit back to the **SYSTEM** menu.

Image number 4 (max 30 images).

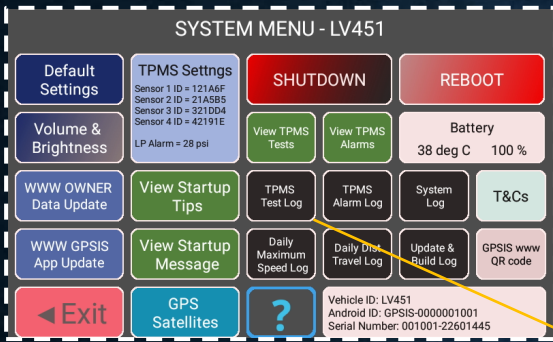


***VIEW TPMS ALARMS***

***VIEW TPMS TEST LOG***



# VIEW TPMS TEST LOG



## TPMS TEST LOG (All logs are retained)

DATE	TIME	ONIS S/N	VEHICLE ID	LP S/P	TYRE LOC & ID
20230821,	17:05:45,	001001-22601371,	LV453,	28 PSI,	RL (3) 321DD4
20230821,	17:05:16,	001001-22601371,	LV453,	28 PSI,	RR (4) 42191E
20230821,	17:04:01,	001001-22601371,	LV453,	28 PSI,	FR (2) 21A5B5
20230821,	17:04:38,	001001-22601371,	LV453,	28 PSI,	RR (4) 42191E

Exit back to the **SYSTEM** menu.



Scroll screen up & down to view information

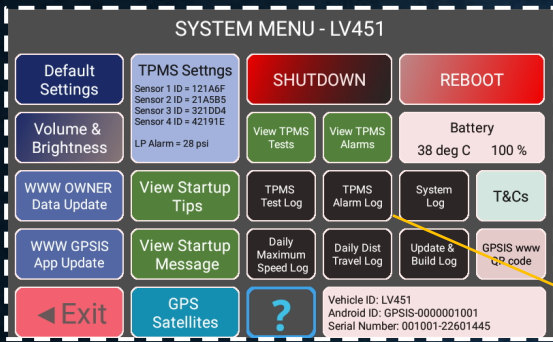


***VIEW TPMS TEST LOG***

***VIEW TPMS ALARM LOG***



# VIEW TPMS ALARM LOG



## TPMS ALARM LOG (All logs are retained)

DATE	TIME	ONIS S/N	VEHICLE ID	LATITUDE	LONGITUDE	KM/H	LP S/P	TYRE LOC & ID
20240321	11:08:23	001001-22601371	LV453	-31.894307	116.225876	105	28 PSI	RL(3) 31A4B5
20240321	09:06:14	001001-22601371	LV453	-31.894709	116.225012	105	28 PSI	RR(4) 42EA32
20240321	17:06:01	001001-22601371	LV453	-31.895103	116.225682	105	28 PSI	FL(1) 13AE34
20230921	15:04:03	001001-22601371	LV453	-31.894707	116.225787	105	28 PSI	FR(2) 21A5B5

Exit back to the **SYSTEM** menu.



Scroll screen up & down to view information

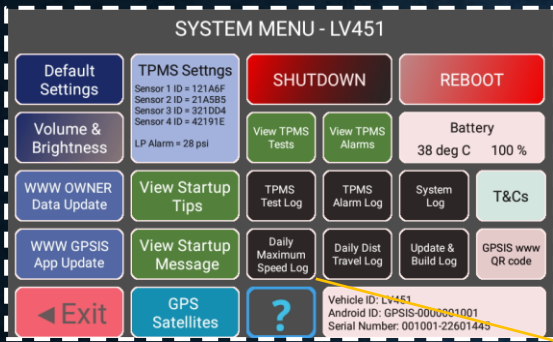


***VIEW TPMS ALARM LOG***

***VIEW DAILY MAXIMUM SPEED LOG***



# VIEW DAILY MAXIMUM SPEED LOG



## DAILY MAXIMUM SPEED LOG

DATE	TIME	ONIS S/N	VEHICLE ID	LATITUDE	LONG ITUDE	KM/H
20240328	08:26:35	011001-22601434	LV453	-33.676228	115.274920	Ave, 98
20240328	08:25:25	011001-22601434	LV453	-33.673378	115.294785	Max, 100
20240327	12:23:21	011001-22601434	LV453	-33.671040	115.338337	Ave, 80
20240327	10:36:20	011001-22601434	LV453	-33.671018	115.320223	Max, 84
20240326	17:09:39	011001-22601434	LV453	-33.657957	115.387697	Ave, 92
20240326	17:08:28	011001-22601434	LV453	-33.656308	115.406733	Max, 101
20240324	10:24:17	011001-22601434	LV453	-31.889685	116.063198	Ave, 4
20240324	09:51:10	011001-22601434	LV453	-31.890282	116.063495	Max, 11

Exit back to the **SYSTEM** menu.



Scroll screen up & down to view information



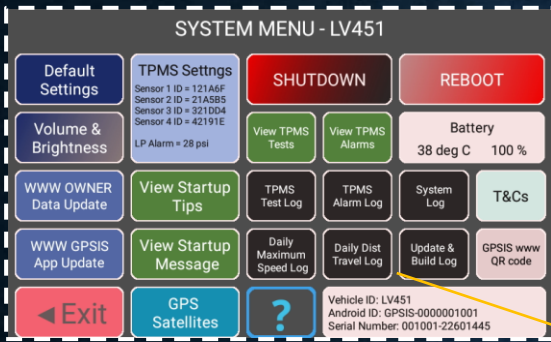


***VIEW DAILY MAXIMUM SPEED LOG***

***VIEW DAILY DISTANCE TRAVELLED LOG***



# VIEW DAILY DISTANCE TRAVELLED LOG



## DAILY DISTANCE TRAVELLED LOG

DATE	ONIS S/N	VEHICLE ID	KM`s
20230821,	001001-22601371,	LV453,	30
20230820,	001001-22601371,	LV453,	12
20230819,	001001-22601371,	LV453,	76
20230818,	001001-22601371,	LV453,	56
20230817,	001001-22601371,	LV453,	33
20230816,	001001-22601371,	LV453,	26
20230815,	001001-22601371,	LV453,	145
20230814,	001001-22601371,	LV453,	12
20230813,	001001-22601371,	LV453,	346
20230812,	001001-22601371,	LV453,	12
20230811,	001001-22601371,	LV453,	563
20230810,	001001-22601371,	LV453,	87
20230809,	001001-22601371,	LV453,	0
20230808,	001001-22601371,	LV453,	0
20230807,	001001-22601371,	LV453,	0
20230806,	001001-22601371,	LV453,	0

Exit back to the **SYSTEM** menu.



Scroll screen up & down to view information



***VIEW DAILY DISTANCE TRAVELLED LOG***

***VIEW STARTUP TIPS IMAGE GALLERY***



## ***VIEW STARTUP TIPS IMAGE GALLERY***

The ***ONIS*** features a startup tip when the navigation app is started.  
(If enabled by the ***ONIS*** owner).

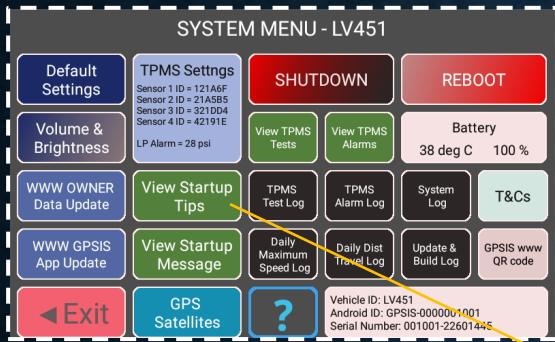
The images are .png format and are preloaded into the ***ONIS*** with one image displayed when the navigation app is started.

The images will be cycled through the entire gallery and then begin at the beginning.

The user can view all the images by selecting ***View Startup Tips***

# VIEW STARTUP TIPS IMAGE GALLERY

Scroll the screen UP / DOWN to display the images.



Exit back to the **SYSTEM** menu.

Image description that will be displayed when the navigation app is started.

Image number.



***VIEW STARTUP TIPS IMAGE GALLERY***

***VIEW STARTUP MESSAGE***



## ***VIEW STARTUP MESSAGE***

The ***ONIS*** features a startup message when the navigation app is started.  
(If enabled by the ***ONIS*** owner).

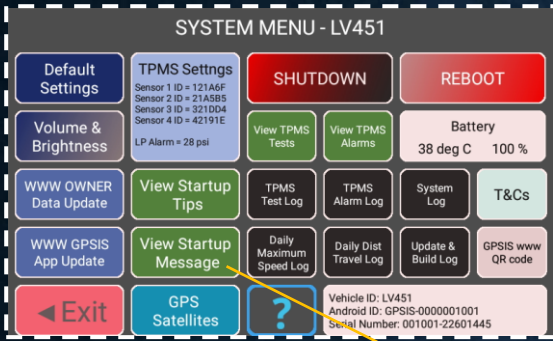
The startup message is .png format and is preloaded into the ***ONIS*** and displayed when the navigation app is started.

The user can view the startup message by selecting ***View Startup Message***

The startup message is also complimented with an audio beep and voice.

The ***ONIS*** will use a default ***Keep Left Message*** if the owner enables this feature and does not load a message.

# DEFAULT STARTUP MESSAGE





# *EXAMPLE STARTUP MESSAGE*





***VIEW STARTUP MESSAGE***

***VIEW GPS SATELLITES***

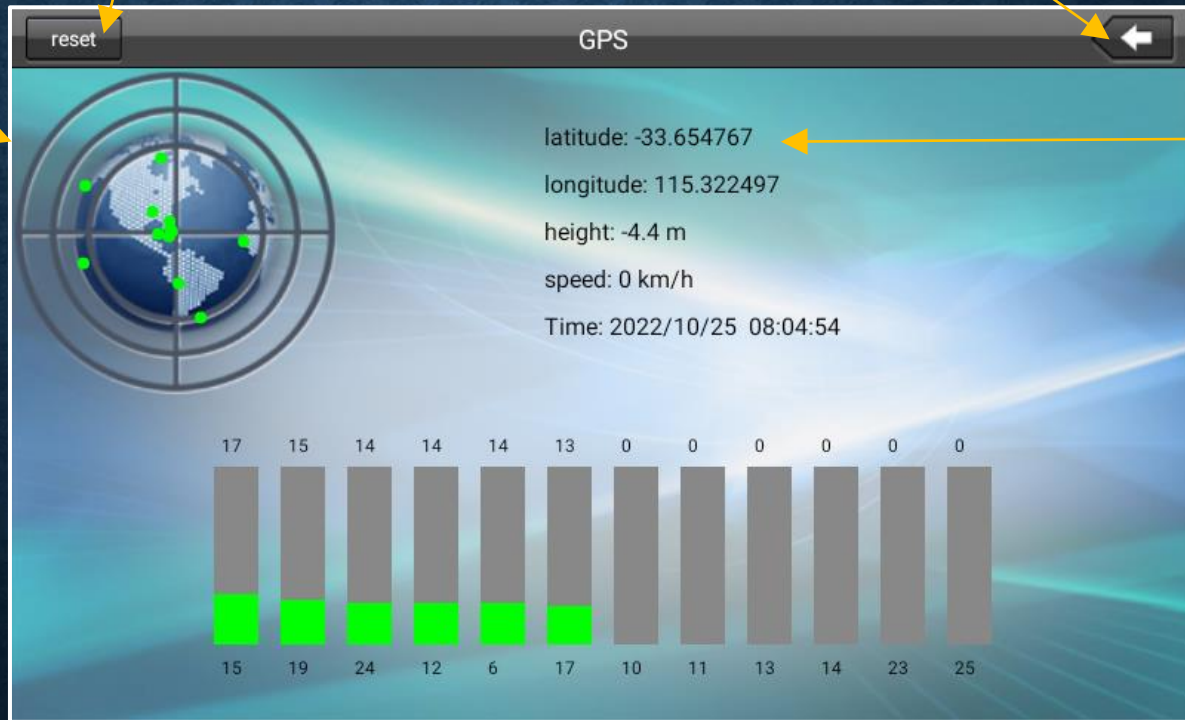


# VIEW GPS SATELLITES



Reset the GPS Satellites.

Exit screen.



Location Information.



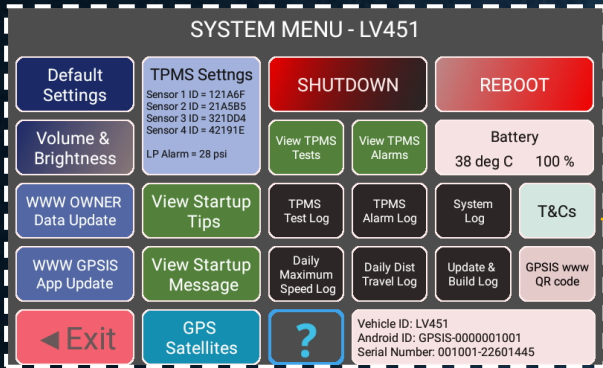
***VIEW GPS SATELLITES***

***HOW TO VIEW TERMS & CONDITIONS***



# HOW TO VIEW TERMS & CONDITIONS

For latest and current version, visit [gpsis.com.au](http://gpsis.com.au)



## GPS Integrated Solutions "Terms & Conditions" (Effective 07/08/2022)

### OVERVIEW

These "Terms & Conditions" shall apply to "GPS Integrated Solutions", "4J Automation Pty Ltd ACN 648 458 388", "The 4J Investments Trust ABN 29 815 021 432" and any customer, owner, driver or user of our goods or services.

The current "Terms & Conditions" can be found at [www.gpsis.com.au](http://www.gpsis.com.au) and will replace any previous version.

### CONTENTS

1. Governing Law
2. Definitions
3. General Agreement
4. Warranty

Disagree & Shutdown

Scroll screen up & down to view information

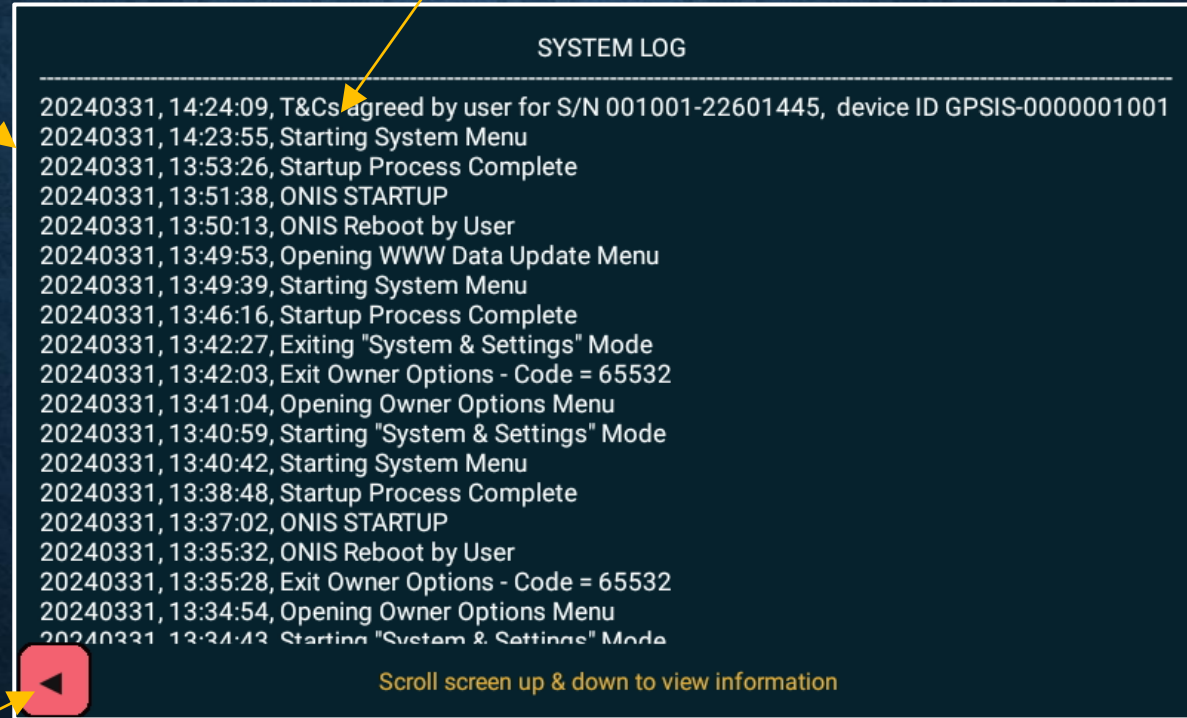
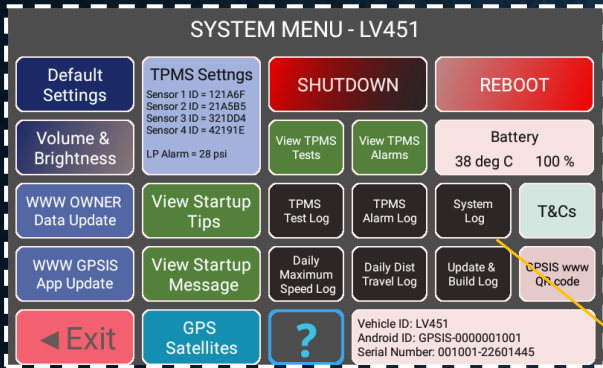
Agree & Continue

Selecting this option will shutdown the **ONIS**.

Select to continue.

# SYSTEM LOG

Most recent system log inc T&C's acceptance by the user.



Exit back to the **SYSTEM** menu.



***HOW TO VIEW TERMS & CONDITIONS***

***WWW UPDATE APPS***



# WWW UPDATE APPS

**ONIS** apps can be updated from [www.gpsis.com.au](http://www.gpsis.com.au)

To perform app updates, the **ONIS** must be connected to a WiFi SSID.  
(this can be set from the “Default Settings Menu”)

If an update is available the update app information will appear in the update menu once the user has requested the update. The **ONIS** will perform integrity checks on the downloaded app to ensure it is a later version than the installed app.

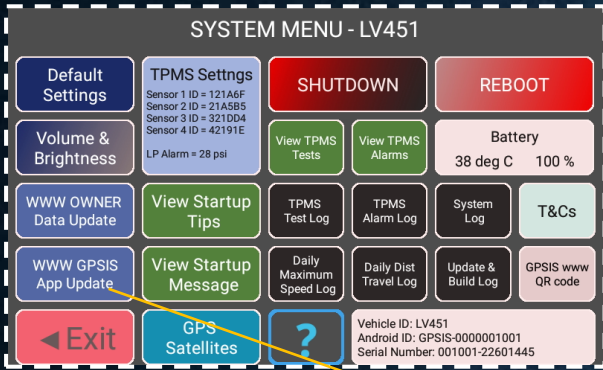
The **ONIS** owner has the ability to allow or prevent the user from updating any WiFi updates.



# WWW UPDATE APPS

For latest and current version, visit [gpsis.com.au](http://gpsis.com.au)

Select on the ? buttons to display explanations.



Exit back to the **SYSTEM** menu.



*WWW UPDATE APPS*

*WWW UPDATE DATA*



# *WWW UPDATE DATA*

***ONIS*** data can be updated from the owner defined download site.

To perform data updates, the ***ONIS*** must be connected to a WiFi SSID.  
(this can be set from the “Default Settings Menu”)

The downloaded data must be in the correct format or it will be rejected.

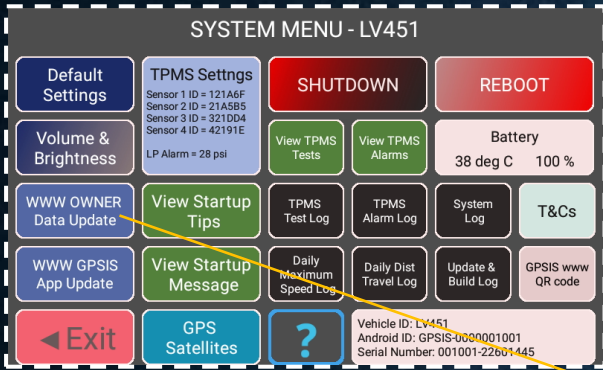
The downloaded data **WILL** replace (not append) the existing data in the ***ONIS***.

# WWW UPDATE DATA

Select on the ? buttons to display explanations.

Owner configured WWW URL download links.

Logs that provide download status.



Update WWW Data (WiFi = iiNet371133, Signal Strength = 3/9, Download Speed = 26Mbps)

?	Update Waypoints	<a href="https://www.dropbox.com/scl/fi/m1ph4p63dle68ykjpp923/Waypoints.zip?rlkey=8b46qycm9t6l6k3gzmwxtn7bu&amp;dl=1">https://www.dropbox.com/scl/fi/m1ph4p63dle68ykjpp923/Waypoints.zip?rlkey=8b46qycm9t6l6k3gzmwxtn7bu&amp;dl=1</a>	LOGS
U	Update Tracklogs	<a href="https://www.dropbox.com/scl/fi/l0tqb7qq99905mfybmngv/Tracklogs.zip?rlkey=vdb7m4tiz39dojazxphq6mi8l&amp;dl=1">https://www.dropbox.com/scl/fi/l0tqb7qq99905mfybmngv/Tracklogs.zip?rlkey=vdb7m4tiz39dojazxphq6mi8l&amp;dl=1</a>	LOGS
P	Update Geofence Speed Alerts	<a href="https://www.dropbox.com/s/dheoe2mu5e6xkta/GeofenceSpeedAlerts.zip?dl=1">https://www.dropbox.com/s/dheoe2mu5e6xkta/GeofenceSpeedAlerts.zip?dl=1</a>	LOGS
D	Update Geofence Messages	<a href="https://www.dropbox.com/s/t33bdxqi9ger48w/GeofenceMessages.zip?dl=1">https://www.dropbox.com/s/t33bdxqi9ger48w/GeofenceMessages.zip?dl=1</a>	LOGS
A	Update Startup Tips	<a href="https://www.dropbox.com/s/lef42skz52ridga/Startup_Tips.zip?dl=1">https://www.dropbox.com/s/lef42skz52ridga/Startup_Tips.zip?dl=1</a>	LOGS
L	Update Startup Message	<a href="https://www.dropbox.com/s/w4s5n1wamapo073/Startup_Message.zip?dl=1">https://www.dropbox.com/s/w4s5n1wamapo073/Startup_Message.zip?dl=1</a>	LOGS
L	Update User Information	<a href="https://www.dropbox.com/s/7v2pz1613ixfjvk/User_Information.zip?dl=1">https://www.dropbox.com/s/7v2pz1613ixfjvk/User_Information.zip?dl=1</a>	LOGS
?	Exit		

Exit the "Update Menu"

Displays the current web site URL. This can be configured from a configuration file.



*WWW UPDATE DATA*

*INSTALLATION REQUIREMENTS*



# ***INSTALLATION REQUIREMENTS***

The customer supplied **PND** that the **ONIS** suite is installed SHALL comply with all of the following conditions:

- . Does not impede or obstruct the drivers view or other vehicle operation functions
- . Is easily reachable so the driver can perform **ONIS** operations (when it is safe to do so)
- . Is installed and mounted by a competent person using best practices
- . Is connected and powered by the 12V vehicle ignition (or accessories) and is only powered up (and charging) when the vehicle is occupied – do NOT leave the **ONIS** on charge unattended.
- . Is only powered and connected by the **GPSIS** supplied 12V adapter and cables
- . Has the manufacturer's SD card "left side cover" fitted (screwed) to the **PND** to provide IPX7 weather protection if the **ONIS** is used in dusty or damp environments
- . Is not installed so that it will interfere with a "vehicle air bag" deployment

# INSTALLATION REQUIREMENTS

The windscreen suction cup mounting method is not permanent and will fall from the windscreen, periodically – we have experienced suction periods of up to 4 weeks.

We recommend using the “ball joint” extension piece and accessories, in preference to the window suction cup, and securely mounting to a vehicle fixed point wherever possible, for permanent installations.

The **ONIS** cradle is installed so that it avoids or minimises direct sun exposure and vehicle obstructions such as pillars etc and has the best view possible for finding the GPS satellites.

If the **ONIS** cradle is mounted low on the windscreen and in direct sun exposure, we insist that it is provided with an additional sun shade or cover (with adequate ventilation).

If the **ONIS** is mounted in front of a vehicle vent, ensure that the heating cycle does not overheat the **ONIS**.

**IMPORTANT - IF IT IS TOO HOT FOR YOUR HAND OR MOBILE PHONE TO REMAIN IN THE ONIS LOCATION FOR ANY LENGTH OF TIME, THEN IT IS TOO HOT FOR THE ONIS TO BE MOUNTED IN THIS LOCATION.**

\*\*\*\*\*

*NOTE: extreme high temperatures can cause a premature lithium battery failure and in a worst case scenario, battery explosion or fire – The ONIS MUST be kept below 60 deg Celsius or shutdown by the user.*

*Operating the ONIS above 60 deg C for lengthy periods may void warranty and/or Australian consumer guarantees.*

\*\*\*\*\*



***INSTALLATION REQUIREMENTS***

***OPERATIONAL REQUIREMENTS  
& INFORMATION***





# ***OPERATIONAL REQUIREMENTS & INFORMATION***

The **ONIS** SHALL only be operated within the Law, Road Traffic Codes, Acts and Regulations and it is the responsibility of the **ONIS** user to ensure that they meet these requirements noting that these may vary in different jurisdictions.

Use the vehicle speedometer as the speed indication device to comply with the regulatory speed limits.

The **ONIS** SHALL be considered as a navigation aid and NOT be relied on as the only source of navigation, location, distance, speed or any other navigational parameter. The user should always rely on their own navigational skills using official printed maps, compass, road signs, odometer readings and other basic fundamental skills and be competent in these skills.

The **ONIS** SHALL be considered as a driving aid and NOT be relied on as the only source of data and information for the tyre pressures, tyre temperatures or any other vehicle parameter provided by the various apps installed on the **ONIS**. The user should always rely on their own common sense, vehicle alarms and indicators and perform vehicle checks at regular intervals which can also be used to test the **ONIS** functions. The driving conditions may also affect the time intervals between the vehicle checks (e.g. harsh terrain would require more frequent checking of tyre condition).

# ***OPERATIONAL REQUIREMENTS & INFORMATION***

The driver is solely responsible for their own driving capability, and the **ONIS** SHALL NOT be relied on to manage driving fatigue. The **ONIS** driving fatigue timer is a pre-configured 120 minute timer which advises the driver to rest after 120 minutes of driving, and is a general guide for fatigue management. If a driver is fatigued at any time they **MUST** park the vehicle and rest regardless of the driving time duration.

A prudent design philosophy for the **Geofence Speed Alert** and **Geofence Message** functions is required to achieve correct and optimum results. The **Geofence** system when configured correctly is a powerful aid for the driver however if configured poorly, it **MAY** result in unexpected messages and misleading warnings. e.g. as the **ONIS** scan cycle is approximately 5-10 seconds, a vehicle travelling at 60 km/h (17 m/s) may pass through a **Geofence** area before it has been processed by the **ONIS**. For this reason, it is possible that the **ONIS** may miss a “singularly configured” **Geofence** 7, 8 or 9 precision entries at higher speeds.

If weather conditions do not allow for adequate and safe driver visibility do not continue driving. It is the sole responsibility of the driver to drive to the surrounding environment conditions.

# ***OPERATIONAL REQUIREMENTS & INFORMATION***

The **ONIS** incorporates some functions that we have deemed “non essential” as these are dedicated to settings or non driving vehicle safety information.

We have disabled these functions whilst the vehicle is in motion however if the **ONIS** is still searching for satellites (i.e. after initial startup) then the **ONIS** is unable to determine if the vehicle is in motion - In these circumstances, a warning message will be displayed and the driver SHALL not use these functions until the vehicle is PARKED.

It is the sole responsibility of the **ONIS** user to ensure that the **ONIS** is ONLY operated when it is safe to do so and DOES NOT distract the driver from maintaining vehicle control – if the user is unsure, PARK the vehicle to perform the task.

# OPERATIONAL REQUIREMENTS & INFORMATION

To reduce risk of fire or damage and assist in longevity of battery life , the **ONIS** MUST be removed from the cradle and be stored, protected or covered, so that it is not in direct sunlight, when the vehicle is not being driven.

Do not leave the **ONIS** in the sun unused for long periods as dashboard temperatures in vehicles without air circulation can easily exceed 60 deg C, and the black cradle will absorb the heat.

If the **ONIS** battery temperature sensor is available, when the navigation app is running the **ONIS** will monitor the battery temperature and warn the driver when the temperature exceeds 60 deg C.

The current **ONIS** battery temperature (if available) can be viewed in the “System Menu”

Do NOT leave the **ONIS** on charge (cradle power or USB power), unattended.

Treat the **ONIS** with the same respect as a mobile phone.

\*\*\*\*\*

*NOTE: extreme high temperatures can cause a premature lithium battery failure and in a worst case scenario, battery explosion or fire – The ONIS MUST be kept below 60 deg Celsius or shutdown by the user.*

*Operating the ONIS above 60 deg C for lengthy periods may void warranty and/or Australian consumer guarantees.*

\*\*\*\*\*

# ***OPERATIONAL REQUIREMENTS & INFORMATION***

The ***ONIS*** is a complex micro computing device with numerous apps installed, some interfacing between other apps and all demanding system resources. From time to time there will be errors and inconsistencies and “rebooting” the ***ONIS*** should clean out memory buffers and ensure that the device performs as designed. If “rebooting” does not rectify problems and the same fault is repeated consistently, then contact ***GPSIS***.

We have made every attempt to ensure that ***ONIS*** is fault free and functions correctly.

The ***ONIS*** has been subjected to many hours of workshop and field testing to ensure the design build & philosophy meet the highest standard of quality and customer expectation.

Occasionally you may select an app from the ***Main Menu*** and it does not respond (especially if you have just exited from another app). This is not a bug and occurs because there are many apps all competing for the Android system resources and this may prevent the app from starting immediately. If the problem is consistent, (i.e. the selected app just won't start) contact ***GPSIS***.

# ***OPERATIONAL REQUIREMENTS & INFORMATION***

The **ONIS** MUST be treated with care and hard pressing the screen is not required. Dropping objects or hard pressing can damage the keypad leading to inconsistent and random key presses, without any user input. The **ONIS** should be treated with the same level of care and respect as a smart phone.

The primary function of the **ONIS** is a PND incorporating **OziExplorer, iGO, TPMS, Speed Alert, Driving Fatigue Timer, Driving Logging** and the **Geofence** functions. If this functionality is working, then we deem the **ONIS** to be functioning correctly.

The **ONIS** has been designed and developed as a standalone offline device. All network traffic is blocked (deny ALL mode) and the **ONIS** does not support a SIM card. The Bluetooth connectivity is limited to the **TPMS** wheel sensors and other peripherals that may be supplied by **GPSIS** at a later date.

We do not collect any personal data however we do log **ONIS** navigation data, **PND** system parameters and debug log data to both the internal memory areas and the removable external SD card.

Some log data is easily available and accessible to you and some data is protected but can be supplied to you on request. The protected data ensures that in an event of a serious vehicle incident the **PND** can be returned to us and we can then extract incident related data (if it exists) and provide an independent verified report to you.



***OPERATIONAL REQUIREMENTS  
& INFORMATION***

***KNOWN ISSUES, FAULTS & BUGS***



## **KNOWN ISSUES, FAULTS & BUGS** *(not covered by warranty)*

Q. Why do I occasionally get a message "An app wants to turn Bluetooth ON for this Device" ?

There are many apps installed on the **ONIS** and all apps compete for system resources.

Select "Allow" from the popup message.

If the problem is consistent ( i.e. every instance after a reboot) , contact **GPS Integrated Solutions (GPSIS)**.

Q. The **ONIS** has locked up on a screen and I can't select any option including "Exit" - What can I do?

If user "key presses" are NOT functioning, remove the **ONIS** from the cradle / mount and let it power down.

OR

If this does not work, press the small reset button on top left, and reboot.

OR

If this does not work, press the small reset button on the rear (use a paper clip).

OR

If the device is still not functioning or will not power up, contact **GPSIS**.



Q. Occasionally I select an app from the **Main Menu** and it does not respond or responds slowly!

There are many apps installed on the **ONIS** and all apps compete for system resources. If the problem is consistent (i.e. every time even after a reboot), contact **GPSIS**.

Q. Why doesn't the **ONIS** power down after removing the DC supply?

If the **ONIS** power is cycled during the **ONIS** startup, it may not shutdown on the next occasion the power is removed.

If user "key presses" are **NOT** functioning, remove the **ONIS** from the cradle / mount and let it power down.

OR

If this does not work, press the small reset button on top left, and reboot.

OR

If this does not work, press the small reset button on the rear (use a paper clip).

OR

If the device is still not functioning or will not power up, contact **GPSIS**.

Q. Why does my **ONIS** not display the battery temperature?

Some of the earlier manufactured **ONIS** units did not have this sensor configured.

Q. Why doesn't the **ONIS** WiFi automatically reconnect to my Hotspot device?

**GPSIS** has tested the WiFi connectivity of the **ONIS** with the **NBN, Samsung Galaxy** phone (Android) and the **Apple iPhone 13**.

We have experienced connection inconsistencies with the **iPhone** device when the **iPhone** is moved away from the **ONIS**. This may well be compatibility issues between **Android** and **Apple** and is not the **ONIS** as both the **NBN** and **Samsung Galaxy** connections have reconnected automatically when in range.

In this instance, the user will have to toggle the **iPhone** Personal Hotspot "Allow Others to Join", which should reconnect the **ONIS**.

If the **ONIS** remains disconnected open the **ONIS** WiFi menu and confirm that the device is connected to the configured **SSID**.

If an "Authentication Problem" message is displayed then the user may need to "Forget" the connection and then reconnect and authenticate.

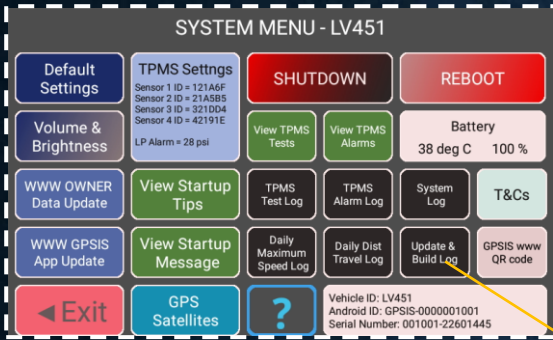


***KNOWN ISSUES, FAULTS & BUGS***

***BUILD INFORMATION***



# BUILD INFORMATION



For Sales, Support and current T&C's, contact:

GPS Integrated Solutions

[www.gpsis.com.au](http://www.gpsis.com.au)

For support please also provide the following information:

Model: M5S PRO

Device: MRA58K

S/N: 0002-22601445

Device ID: E5CCD869CB6D

Warranty Expiry is 12 months from invoice date.

Startup ver 2539

GPS ver 5448

Installed 3rd Party Packages



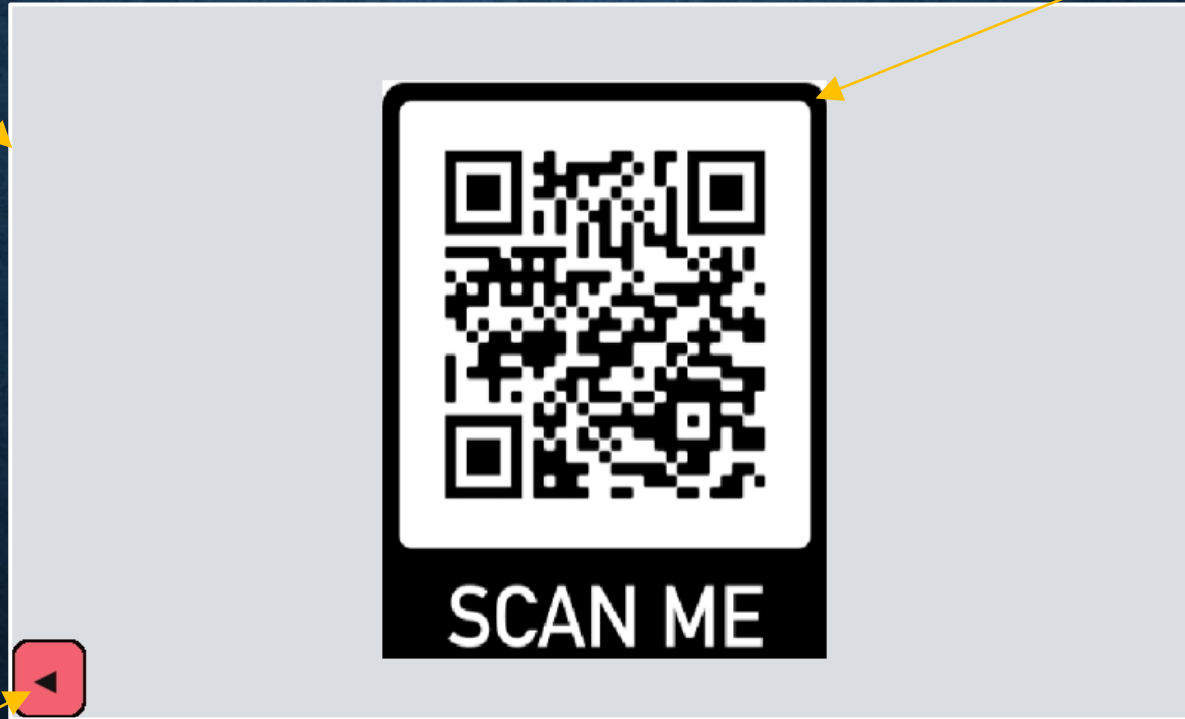
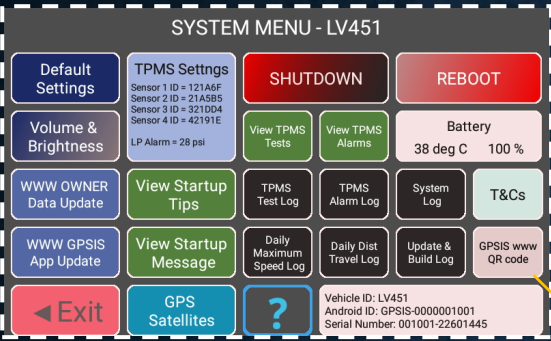
Scroll screen up & down to view information

app Versions installed.

Exit back to the **SYSTEM** menu.

*gpsis.com.au*

Scan this QR code to visit [gpsis.com.au](http://gpsis.com.au)



Exit back to the **SYSTEM** menu.





***BUILD INFORMATION***

***SPECIFICATIONS & HARDWARE***



# ***SPECIFICATIONS***

LCD Screen: 5" TFT LCD display Resolution 800RGB(H)x480(V)

CPU: MTK8163 Cortex A53x4 1.3GHz

Memory: 1 GB DDR, 16GB Flash

Touch Screen: Capacitance type, 5-point touch

USB Interface: USB 2.0, MINI USB port

Battery: Built-in rechargeable Li-ion

Battery Capacity: 3000 mAh @ 3.7V

Micro SD Support: Micro SD card up to 32GB SDHC Class 10

Charging Input: DC 5V @ 1.5A

Car Charger Input: DC 12V; Output 5V @ 1.5A

# ***SPECIFICATIONS***

Operation System: Android 6.0 64Bit

Video Player Support: .MOV

Audio Player: .MP3

Photo Viewer: .PNG

Operating Temperature: -10 degC to 60 degC

Storage Temperature: -20 degC to 60 degC

Working Humidity: 45% to 80% Relative Humidity

Storage Humidity: 30% to 90% Relative Humidity

Atmospheric Pressure: 86KPa to 106KPa

Startup time to navigation app (auto startup & TPMS configured): Approx 2 mins & < 3 mins



# HARDWARE



1. GPS Navigation



2. Charger



3. Mount with cradle

4. Car Bracket

5. Car Charger

# GPS



1.LCD Screen	5" TFT display with touch screen
2.Power Button	Turn on/off the GPS navigator
3. Micro SD Card Slot	Support Micro SD card up to 32GB
4. USB Port	USB 2.0, MINI USB port
5. Micro Charging Port	Connect with the power
6.Loudspeaker	Stereo HD speaker
7.Reset button	Restart OS