

Uniden

GPS 301
GLOBAL POSITIONING SYSTEM



WARNINGS & NOTIFICATIONS

**THE GPS301 IS A GPS
RECEIVER ONLY & HAS
NO RADAR DETECTION
CAPABILITIES**



**IT IS LEGAL TO USE THIS
UNIT IN ANY AUSTRALIAN
STATE OR NZ**

OPERATION NOTICE OF GPS

GPS signal reception can be affected by the location of satellites, tall buildings, tunnels, bridges, etc. If the GPS301 is not receiving a signal, you will need to change your location until a signal is received. The latitude, longitude, and altitude indications on the display are based on WGS-84 Datum, and the altitude indication may not appear depending on the signal conditions from GPS satellites.

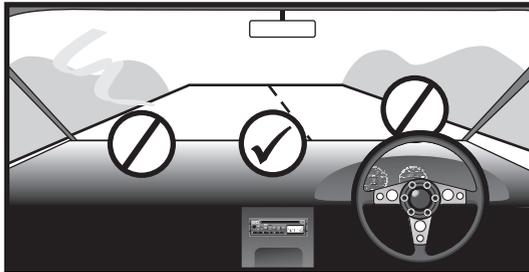
GPS Warnings

- For safety reasons it is not recommended that the driver change any settings while in motion. Please come to a complete stop or have a passenger make changes if necessary.
- The Global Positioning System is operated and maintained by the US Government. The US Government is completely responsible for the accuracy of the Global Positioning System.
- The US Government reserves the right to make changes to the Global Positioning System in accordance with the Department of Defence civil GPS user policy and the Federal Radio navigation plan. These changes along with poor satellite geometry could cause inaccurate readings.

Quick Start Guide

Start Here! 1 2 3

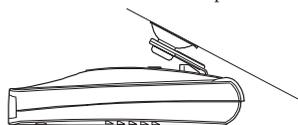
1 INSTALLATION



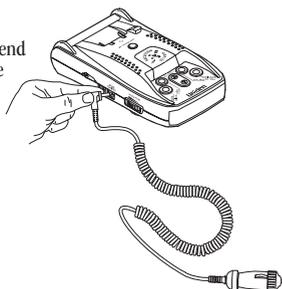
- a.
- Avoid any position which may obstruct the deployment of any air bags or obstruct the drivers view.
 - Place your GPS301 in a position where it has a good view of the sky above.
 - Generally, the best location is in the centre bottom of the windscreen, which allows easy access to controls & view of the display.

INSTALLATION

- b.
- i) Find the main unit and mounting bracket (with suction cups) in the main box/package.
 - ii) The metal portion of the bracket locks into the top plastic portion of main unit. Press the release button and slide the bracket into place
 - iii) Bend the angled portion of the windshield mounting bracket so that the GPS301 is parallel to the road surface.



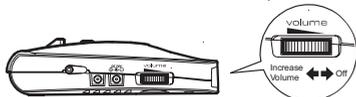
- c.
- i) Find the 12VDC cigarette lighter adapter and insert the small plug into the 12VDC power input on the side of the main unit.
 - ii) Insert the other end into the cigarette lighter socket of your vehicle.



2

TURNING THE GPS301 ON

Use the Volume / On / Off switch to turn your GPS301 on.



3 INITIAL POWER ON DISPLAY

When the power is turned on for the first time only, the unit may take up to 5 minutes to establish a satellite lock.

During this period the unit must remain on.



The GPS LED will turn (from RED to GREEN) once satellite information has been retrieved.

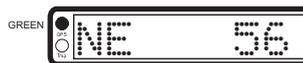
Future Power On should only take a few moments.

4 START DISPLAY

The start display shows the compass heading on the left of the LED window and the current Speed (km) on the right.

The headings are;

N (North)
NE (North East)
NW (North West)
E (East)
SE (South East)
S (South)
SW (South West)
W (West)



The start display shows the current speed.

5 GPS SPEED ACCURACY

Generally the GPS Speed Display is more accurate than a car speedometer although reacts slower. The Car Speedometer often reads faster due to some of the following factors: Conservatively calibrated speedometer by manufacturer, worn tyres, low profile tyres, different sized wheels and the number of available satellites.

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FEATURE HIGHLIGHTS

EARLY WARNING SAFETY SYSTEM - NATIONWIDE COVERAGE

- 3 Stage visual and audible warning system to maximise safety
- Speed Camera warning
- Red Light Camera warning
- Black Spot warning
- Over speed alert
- Audible warning
- Distance to warning location
- Direction to warning location
- User up datable warning locations
- Individual Alert Volumes / Tones

GLOBAL POSITIONING SYSTEM (GPS) TECHNOLOGY

- GPS direction, time and distance to more than 5000 pre-programmed Australian and New Zealand cities and suburbs
- Mark and delete up to 500 of your own locations and speed camera, red-light camera or black spot locations
- Flash memory for city, warning, points of interest and updates via the internet

TRIP COMPUTER

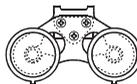
- Current Speed
- Average Speed
- Maximum Speed
- Electronic Compass and GPS co-ordinates

INCLUDED WITH YOUR GPS301

Owner's Guide



Windshield Mounting Clip



AC Adapter



Hard Wire Lead



Coiled Cigarette Lighter

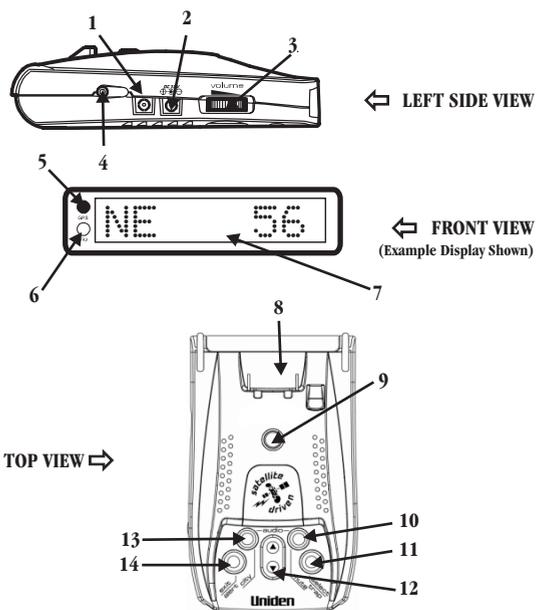


Serial Cable



If any of these items are missing or damaged, contact your dealer immediately.

CONTROLS AND FUNCTIONS

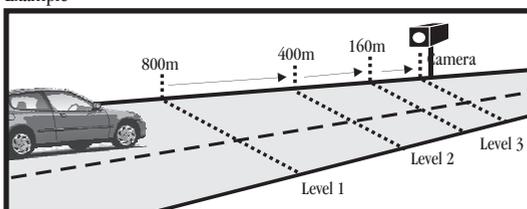


- | | | | |
|---|-------------------------|----|---|
| 1 | Serial Port | 10 | ○ DISPLAY button
(Name tag - Right) |
| 2 | 12 volt Power Socket | 11 | ○ SELECT button |
| 3 | ON / OFF Volume Control | 12 | ⏮ SCROLL button |
| 4 | Speaker | 13 | ○ NAVIGATE button
(Name tag - Left) |
| 5 | Satellite Status LED | 14 | ○ MENU / Cancel |
| 6 | Alert Status LED | | |
| 7 | 8 Character LED Display | | |
| 8 | Windshield Clip Socket | | |
| 9 | Windshield Clip release | | |

3 STAGE SAFETY ALERTS

Your GPS301 has a pre-programmed memory that will alert you to any speed camera, red light camera or black spot you are approaching.

Example

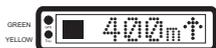


Level 1 Alert @ approx 800m



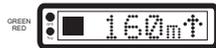
Green Alert LED
Speed Camera, Red Light
Camera or Black Spot
scrolls on display
No audible alert.

Level 2 Alert @ approx 400m



Yellow Alert LED
Scrolling text
Distance to Camera
Direction to Camera
Audible Alert

Level 3 Alert @ approx 160m



Red Alert LED
Distance to Camera
Direction to Camera
Audible Alert

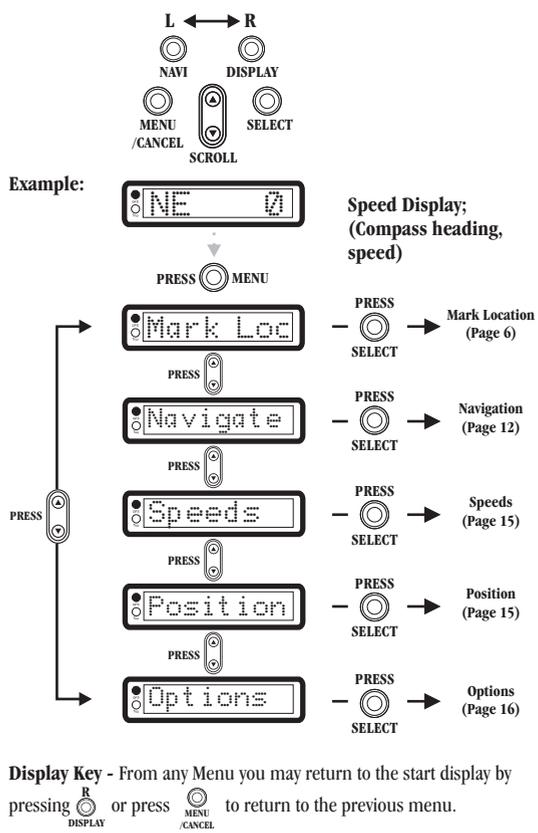


During Level 2 & 3 Alerts the display alternates
your current speed and the distance &
direction to the alert point.

Distance to camera is distinguished by the ■
full first character

OPERATION - MAIN MENU

Key Layout For General Operation

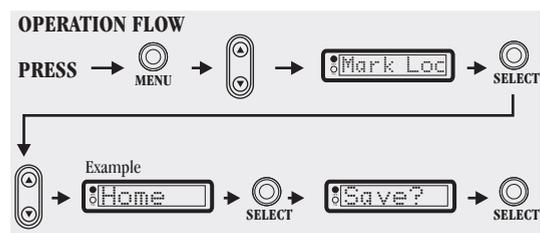


MARK LOCATION

QUICK ACCESS LOCATION

Mark location is used to store in memory your current location, which may be used in future as a point to navigate to.

The Quick Access Locations are to mark your HOME, WORK, AIRPORT or HOTEL locations.

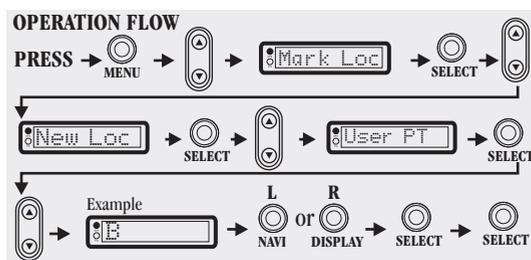


1. Drive to a location you wish to mark and stop the vehicle.
2. Press **MENU**.
3. Scroll to **Mark Loc** and press **SELECT**.
4. Scroll to the desired Quick Access Location name you wish to store to.
5. Press **SELECT**. You will be prompted with **Save?**
6. Press **SELECT** to save. **Saved** will appear as confirmation.

MARK LOCATION

USER LOCATIONS WITH NAME TAG

User locations are used to store into memory your current location, which may be used in future to navigate back to. You may name each individual location.



1. Drive to a location you wish to mark as a user point and stop the vehicle.
2. Press **MENU**.
3. Scroll to **Mark Loc** and press **SELECT**.
4. Scroll to **New Loc**. Press **SELECT**.

MARK LOCATION

5. Scroll  to User PT and press  **SELECT**.
6. You are now at the naming stage.
Use Scroll  to find desired letter.
Press  **DISPLAY** button to move one character space to the right or press  **NAVI** button to move one character space to the left. When satisfied with the name move to the next step.
7. Press  **SELECT** and you will be prompted with Save?.
8. Press  **SELECT** again to save. Saved will appear.

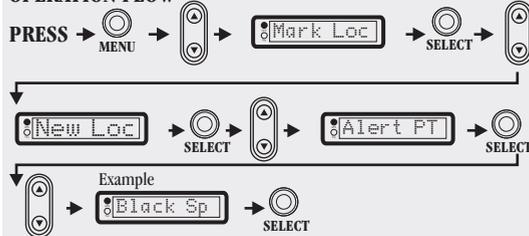
To edit user point name see page 10.

MARK LOCATION

ALERT POINT

An alert point is a location you wish to store where a new Speed Camera, Red Light Camera or Black Spot has appeared which is currently not in the GPS301's memory.

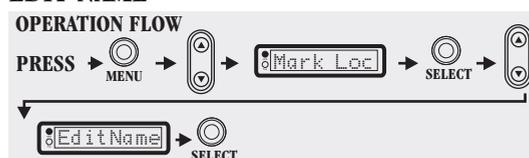
OPERATION FLOW



1.  Stop as close as safely practical to the alert location.
2. Press  MENU.
3. Scroll  to Mark Loc. Press  SELECT.
4. Scroll  to New Loc. Press  SELECT.
5. Scroll  to Alert PT and press  SELECT.
6. You can now Scroll to the appropriate type of alert, Speed Camera, Red Light Camera or Black Spot.
7. Press  SELECT and you will be prompted with Save?.
8. Press  SELECT again to save. Saved will appear.

MARK LOCATION

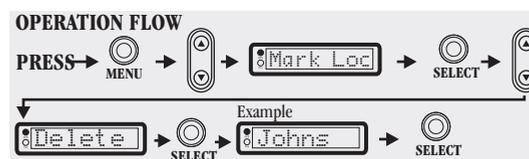
EDIT NAME



You may edit the names of previously stored user points.

1. Press MENU.
2. Scroll to Mark Loc and press SELECT.
3. Scroll to EditName and press SELECT.
4. Scroll to the desired name and press SELECT.
You can now edit the name of your user point using and buttons and scroll.
5. Press SELECT and press SELECT again to confirm.

DELETE: USER POINTS



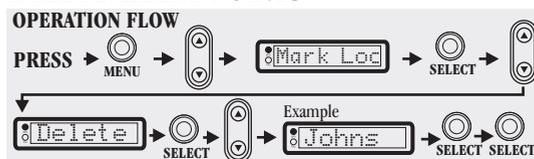
You may delete previously stored user points individually or delete all user points.

1. Press MENU.
2. Scroll to Mark Loc, Press SELECT.

MARK LOCATION

3. Scroll  to Delete, press  SELECT.
4. Scroll to the name or Del All. Press  SELECT.
5. Press  SELECT to confirm delete.

DELETE: ALERT POINTS



This feature allows you to delete an alert point currently stored in your GPS301's memory.

This includes alert points you have stored or pre-installed alert points.



To delete an alert point you must be within the RED ZONE (Red LED or less than 160m from alert point) for the DELETE options show on the display.

1. Stop safely within 160m of the alert location (LED will show red).
2. Press  MENU.
3. Scroll  to Mark Loc. Press  SELECT.
4. Scroll  to Delete, Press  SELECT.
5. Scroll  to Speed Camera. Press  SELECT.
6. Press  SELECT again to confirm deleted.

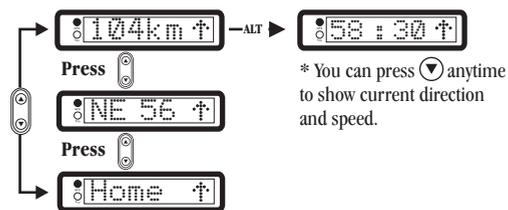
NAVIGATION

The navigation feature allows you to select a desired point to navigate to. The point (location) can be a pre-installed city or suburb, quick access location, user point or pre-installed Point of interest.



P.O.I. (Point of Interest) locations are currently unavailable but may be available in future updates.

When navigating to a location point, your display alternates as follows:



NAVIGATE TO A QUICK ACCESS LOCATION.



1. Press NAVI
2. Scroll to Home, Work, Airport or Hotel. Press SELECT.
3. Selected appears and navigate mode begins as per example above.

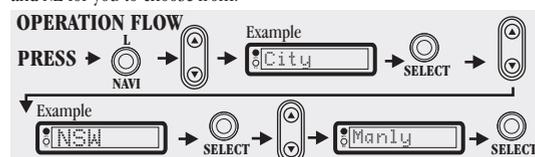
EXIT NAVIGATE

1. To exit from navigate mode press NAVI
2. Scroll to Off and press SELECT.

NAVIGATION

NAVIGATE TO CITY OR SUBURB

You may select a city or suburb to navigate to.
Your GPS301 contains an extensive list of cities and suburbs in Australia and NZ for you to choose from.



1. Press NAVI to navigation menu.
2. Scroll to City, Press .
3. Scroll to desired state.
Press SELECT, Scroll to desired City and press SELECT
(Press and hold for fast scrolling).
4. Selected appears and navigation mode begins.

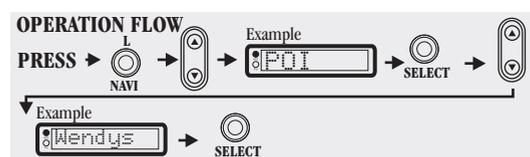
EXIT NAVIGATE

1. To exit from navigate mode press NAVI
2. Scroll to Off and press SELECT.

NAVIGATION

NAVIGATE TO POINT OF INTEREST (POI)

You may select a point of interest group which will then allow you to navigate to the nearest location for that point of interest group.



1. Press **NAVI**. Scroll to **POI**, press **SELECT**.
2. Scroll to desired **POI**, Press **SELECT**. Selected appears and navigation mode begins.

EXIT NAVIGATE

1. To exit from navigate mode press **NAVI**
2. Scroll to **Off** and press **SELECT**.

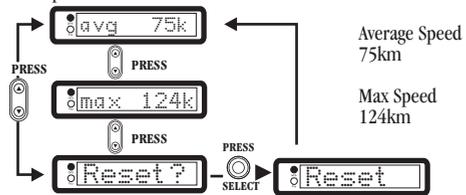
SPEEDS

The speed feature allows you to view your average, maximum speeds for a journey. You may reset the speed (trip computer) records to start a new journey.



1. Press MENU.
2. Scroll to Speeds and press SELECT.
3. The displays for Speeds are as follows:

Example:



POSITION

You can view your longitude, latitude and altitude position.



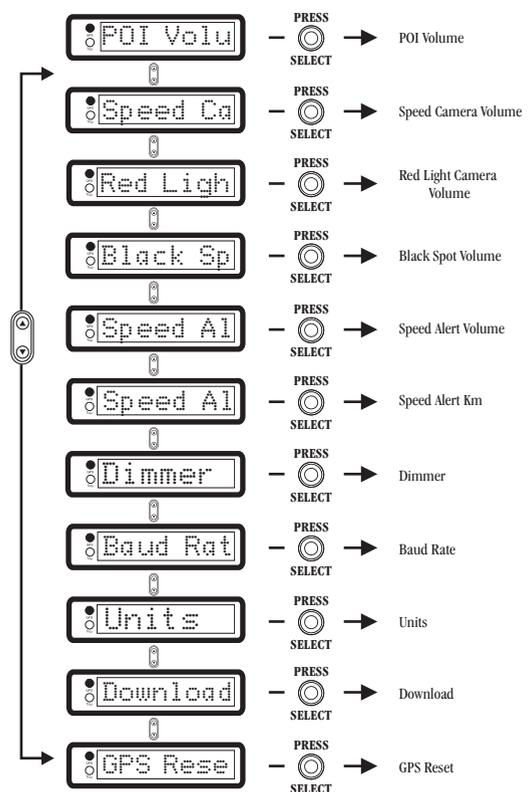
1. Press MENU.
2. Scroll to Position and press SELECT.
3. The display will alternate between latitude, longitude and altitude displays.

OPTIONS

OPERATION FLOW



The options feature gives you access to the following sections.

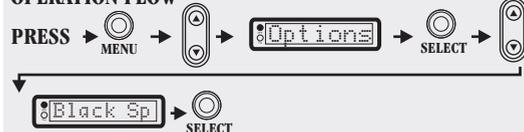


OPTIONS

ALERT VOLUMES

The alert volumes can be turned On, Quiet or Off.

OPERATION FLOW

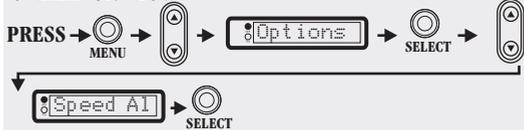


1. Press MENU.
2. Scroll to Options and press SELECT.
3. Scroll to desired Alert. Press SELECT.
3. Scroll to desired volume and press SELECT.
4. Selected appears to confirm.

SPEED ALERT

This feature allows you to set a speed limit where if you exceed this limit the unit will give an audible alert.

OPERATION FLOW



1. Press MENU.
2. Scroll to OPTIONS and press SELECT.
3. Scroll to Speed Alert km and press SELECT.
4. Scroll to adjust Alert Speed. Press SELECT.
5. Selected appears to confirm.

OPTIONS

DIMMER

You can select the brightness of the LED display (MID, HIGH or LOW) for you enter the Options-Dimmer menu.

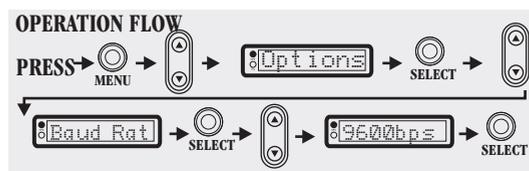
As a SHORTCUT, do the following:

Press **NAV** and **DISPLAY** buttons at the same time to rotate through the 3 dimmer states.

Release the buttons when at the desired state.

BAUD RATE

The Baud rate selection allows you to choose a setting for when communicating (via serial cable) to a PC or Laptop for downloading updates.



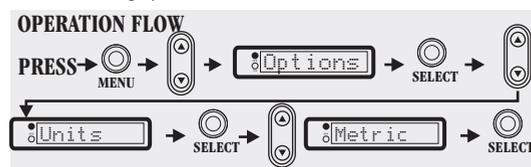
The GPS301 uses the NMEA format for downloading data.

1. Press **MENU**.
2. Scroll to **Options** and press **SELECT**.
3. Scroll to **Baud Rate** and press **SELECT**.
4. Scroll to desired Baud rate setting (9600bps or 4800bps).
5. Press **SELECT** to confirm.

OPTIONS

UNITS

The Unit Selection allows you to set either metric or imperial for speed and distance displays.



1. Press **MENU**.
2. Scroll to **Options** and press **SELECT**.
3. Scroll to **Units** and press **SELECT**.
4. Scroll to the desired unit selection.
5. Press **SELECT** to confirm.

OPTIONS

DOWNLOADS

You must select this mode when the unit is connected via the serial cable to a PC or Laptop for downloading updates.



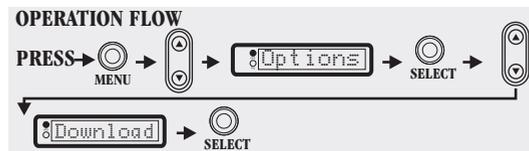
The AC adaptor is used to power the GPS301 in a house when connected to a PC for downloading updates.

PC REQUIREMENTS FOR DOWNLOADING

- Pentium II equivalent or higher
- Serial Port
- Internet Capable
- Operating System: Win98 second edition, Win2000 or XP

DOWNLOAD PROCEDURE: PC: Preparation.

1. Go to www.uniden.com.au and download the file Uniden GPS Uploader.zip.
2. Decompress the downloaded file into an appropriate directory in your PC. It will decompress out to the files; Uniden GPS Uploader.exe and Uploader.ini.



1. Connect the AC adaptor of your GPS301 and a power point and turn that AC adaptor on.
2. Connect serial cable.
 - i. Plug stereo connector of the serial cable into the serial port of your GPS301.
 - ii. Plug the other end of the Serial Cable to the serial port of your computer.

OPTIONS

3. Turn on your GPS301.
4. Press  MENU.
5. Scroll  to Options and press  SELECT.
6. Scroll  to Download and press  SELECT.

PC: Download

1. Double click on the file Uniden GPS Uploader.exe.

If an error message is displayed when you double click on Uniden GPS Uploader.exe then please check the serial cable connection and PC internet connection.

2. Check the next screen of Uniden GPS Uploader.

The Camera Data, City Data and POI Data at the bottom of the Uniden GPS Uploader screen shows the data version currently stored in the GPS301.

The top part of the Uniden GPS Uploader screen shows the new data file stored in Uniden Web Site Server.

3. Check the software version between the Web Site Server data and GPS301 data.

If the Web Site Server data is newer, click on Execute in the Uniden GPS Uploader screen to update the GPS301 data. During downloading, a progress bar will be shown.

Download data is stored into the GPS301 automatically.

4. After update files have been downloaded into the GPS301 turn off the power to your GPS301. When next powered up the unit will operate with the new data.

OPTIONS

The screenshot shows a dialog box titled "Uniden GPS Uploader ver1.00". It contains several configuration options:

- MODEL:** A dropdown menu with "GPS301" selected.
- Country:** A dropdown menu with "Australia" selected.
- Data Type:** A dropdown menu with "Camera" selected.
- File Name:** A dropdown menu with "AU CameraData ver1.ecod" selected.

Below these options is a section titled "Data of GPS" with three text input fields:

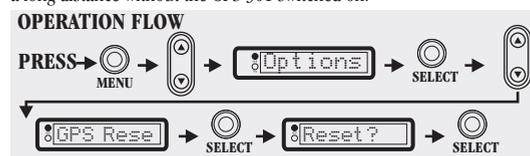
- Camera Data:** "AUSNZ CameraData ver0.04"
- City Data:** "AUSNZ CityData ver0.04"
- POI Data:** "AUSNZ POIData ver0.04"

At the bottom right of the dialog are two buttons: "Execute" and "Exit".

OPTIONS

GPS RESET

You may reset the GPS Receiver if you have moved countries or traveled a long distance without the GPS 301 switched on.



1. Press **MENU**.
2. Scroll to options and press **SELECT**.
3. Scroll to GPS Reset and Press **SELECT**.
4. Press **SELECT** again to confirm.

The GPS Receiver will be reset and may take several minutes to obtain a satellite lock

NMEA

GPS - NMEA Ver 3.01 Data is output from the serial Port continuously. This is for connecting to other Devices that require GPS Data.

TROUBLESHOOTING

If your GPS301 does not perform to your expectations, try the suggestions listed below.

Unit does not operate:	<ul style="list-style-type: none"> ● Check the power cord. Be sure the connectors are properly installed. ● Be sure ignition key is ON or in the accessory position. ● Fuse out. Check and replace. ● Check power to lighter socket. Vehicle electrical problem exists. ● Make sure that the volume control is in the ON position. ● Clean cigarette lighter socket.
Weak detection.	<ul style="list-style-type: none"> ● Check angle of unit. Point to the horizon. ● Relocate the unit clear of any obstruction outside the windshield, such as a wiper blade. ● Relocate the unit clear of the window tint.
Beeps over bumps or rough road.	<ul style="list-style-type: none"> ● Check that the power cord is connected at both ends. ● Clean cigarette lighter socket.
The unit bounces against the windshield.	<ul style="list-style-type: none"> ● The unit bounces against the windshield. ● Reposition so that the bumpers are firmly against the windshield.
Searching for Satellite.	<ul style="list-style-type: none"> ● Move the unit to a different location on the windscreen. ● Drive to a location with clear sky view. ● Reset the GPS receiver (page 23). ● Check operation in another car.

ONE YEAR LIMITED WARRANTY

IMPORTANT: Evidence of the original purchase is required for warranty service.

WARRANTOR: Uniden New Zealand Limited. Uniden Australia Pty Limited.
ABN 58 001 865 498

ELEMENTS OF WARRANTY: Uniden warrants to the original retail owner for the duration of this warranty its GPS301 hereinafter referred to as the Product, to be free from defects in materials and craftsmanship with only the limitations or exclusions set out below.

WARRANTY DURATION: This warranty to the original retail owner only is only valid in the original country of purchase and shall be no further effect 12 months after the date of original retail sale. This warranty will be deemed invalid if the Product is (A) Damaged or not maintained as reasonable and necessary, (B) Modified, altered or used as part of any conversion kits, subassemblies, or any configurations not sold by Uniden, (C) Improperly installed, (D) repaired by someone other than an authorised Uniden Repair Agent for a defect or malfunction covered by this warranty, (E) Used in conjunction with any equipment or parts or as part of a system not manufactured by Uniden. (F) Where the Serial No. label of the product has been removed or damaged beyond recognition.

PARTS COVERED: This warranty covers for one (1) year, the GPS301 only. All accessories (Mounting bracket etc) are covered for 90 days only.

STATEMENT OF REMEDY: In the event that the Product does not conform to this warranty at any time while this warranty is in effect, the warrantor, as its discretion, will repair the defect or replace the Product and return it to you without charge for parts and service. **THIS WARRANTY DOES NOT COVER OR PROVIDE FOR THE REIMBURSEMENT OR PAYMENT OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. THIS GUARANTEE IS IN ADDITION TO AND DOES NOT IN ANY WAY AFFECT YOUR RIGHTS UNDER THE CONSUMER ACT.**

PROCEDURE FOR OBTAINING PERFORMANCE OF WARRANTY: In the event that the Product does not conform to this warranty, the Product should be shipped or delivered, freight prepaid, with evidence of original purchase (e.g a copy of the sales docket) to the warrantor at:

UNIDEN AUSTRALIA PTY LIMITED
SERVICE DIVISION
345 Princes Highway,
Rockdale, NSW 2216
AUSTRALIA
Fax: (02) 9599-3278
www.uniden.com.au

UNIDEN NEW ZEALAND LIMITED
SERVICE DIVISION
150 Harris Road,
East Tamaki,
Auckland,
NEW ZEALAND
Fax: (09) 274 4253
www.uniden.co.nz



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