Thank you for purchasing one of our Autotracking devices, this manual will show you how to use and obtain the most benefit from your device.

This manual covers all the installation as well as operation of the Autotracking device

How Does Autotracking Work (Brief overview)

In each Vehicle or Hand Held unit there is a GPS (Global Positioning System) receiver, this GPS receiver receives data from Satellites located above the earth, The receiver uses that data to calculate its position on the Earths surface. This data is then sent to the Autotracking Receiver via mobile phone towers. The data sent is then stored on the Autotracking receiver.

As well as the positioning data, the Vehicle and Hand Held Units also have "physical inputs", which allow signals to be sent to the Autotracking Receiver. These signals can be Ignition On / Off, Boot Opened, etc. On the Hand Held Units these are buttons which can mean arrived on site, having a Meal Break or any other meaning.

Once the signals are received by the Autotracking Receiver other filters are used to see if the unit has travelled outside a boundary or has exceeded a preset speed limit, Other filters can include if the vehicle was started outside a particular time schedule, there are many filters available.

If the Autotracking receiver needs to send an event to the customer it can do this via email and soon to be SMS.
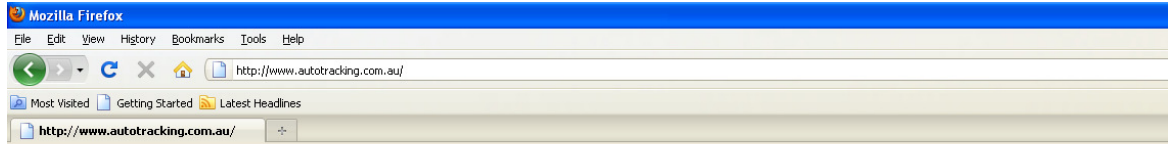
Hand Held Unit

Vehicle Unit and Antenna

Logging on to the Autotracking website:

As the system is website based you need to have internet access to be able to view the Autotracking System, this can be done via a Standard Computer, I-phone or Laptop. The website address is www.autotracking.com.au

Autotracking.com.au

Autotracking makes it so easy and affordable to track and find your valuable assets, whether its a car, farm machinery, or even a person. We have the right tracking device for you.

Our system is completely internet based, and covers anywhere a mobile phone signal can be received. Simply log on to our web interface, enter your password and you can see in real time what your asset is doing, you can also see where its been, its speed, if an input has been triggered and much more. History is held for over 3 months at anytime.

Our units are affordable and economical to run

Our hand held unit is $420 plus GST. It has a built in mobile phone so calls can be made to it. It has an optional panic button which can be monitored at a 24 hour control room. (additional cost)

Our car units are so easy to install any Auto Electrician can install them, just connect the power and the included antenna and your ready to go. The car units have two inputs for connecting things like boot opened, door opened or anything you like. The unit has an internal battery incase the car battery is removed, All events are logged to the autotracking webserver, So even if the unit is disconnected we know its last location.

Web Portal Login

Hand Held Brochure

Car Unit Brochure

Commissioning Form

The car unit is $420 plus GST. which includes combination antenna for GPRS/GSM

Our monitoring fee is just $7.oo plus GST per week which includes SIM card on the Optus Network.

All units are posted free of charge, for more information or a test run on the website please contact us for a test login and password to see how our test units perform.

sales@autotracking.com.au

From this page Select "Web Portal Login". Brochures on the System as well as new vehicle commissioning forms are also available on this page.

Once you have selected the Web Portal Login you need to enter your Username and Password, Multiple people can login at once with the same details or separate passwords can be provided to allow access to single vehicles only.


If you have issues logging on and find that your password is not working, this can be caused by too many attempts with the wrong password. You will need to contact us to have your account unlocked, this only takes a few minutes.

Now your logged on you are first presented with an overview page. This page will show you all your vehicles on the one page. By putting your mouse over any of the vehicles you will be able to see the last movement of the vehicle.
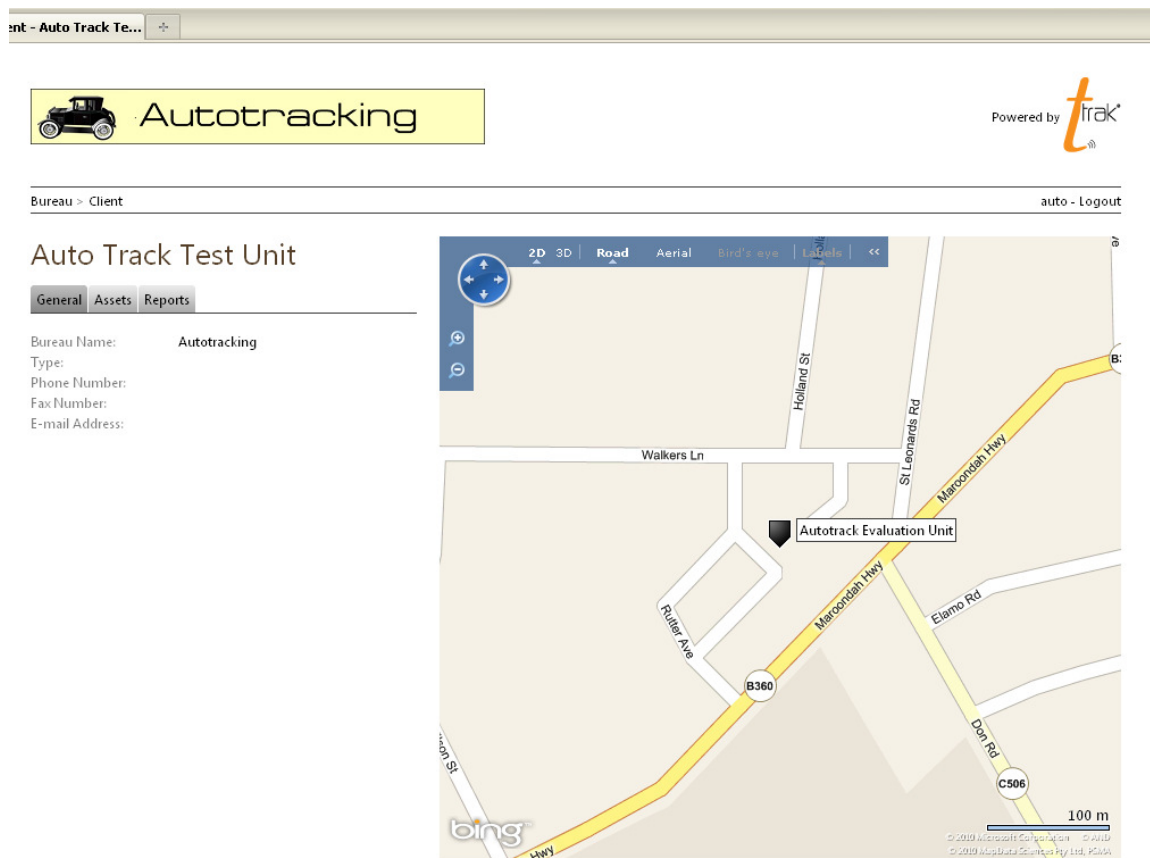
On this screen there are two additional "tabs" Assets and Reports, these reports are just summary reports for your list of vehicles or hand held devices. To get further in to the system and see information about individual vehicles and hand held devices you need to click on the asset tab.

This page allows you to see a total of all your vehicles and hand held devices, along with the events totals from all your devices. The events listed in this page show overspeed, and backup battery alarms, these events are setup in the autotracking server. Please advise us if you would like these events set up. They are on a per device basis.
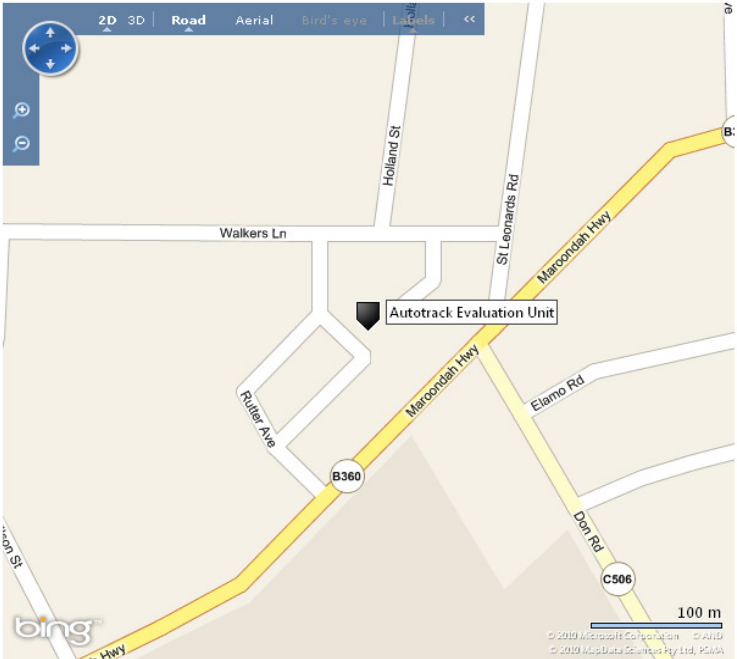
A list of assets (in this case one) is listed below the tabs, the green On Line "Yes" shows that signals are being received by the device, if this says "No" it is more than likely that the unit has no mobile phone signal at that time.

Select the unit you wish to have more information on by clicking on its name.

This now removes all the other devices from the screen and "zooms" in on the device you have chosen. You are also presented with a new list of tabs which give you much more information on the device you have chosen.
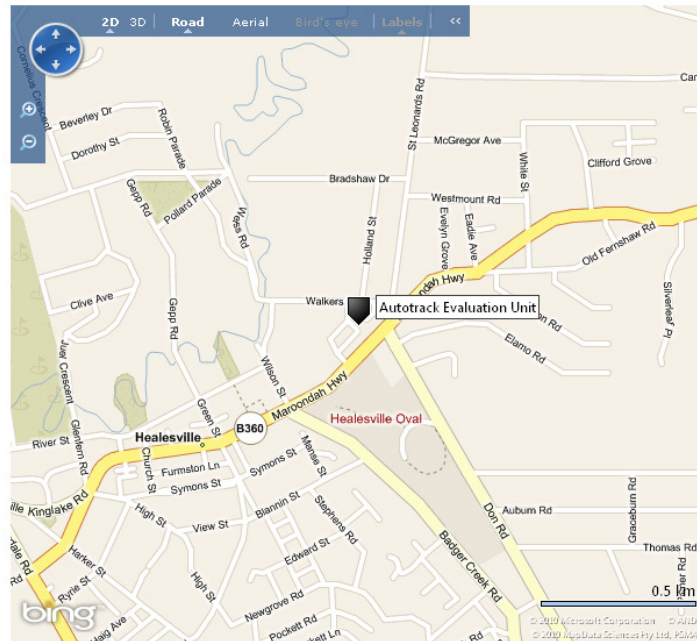

Information such as registration numbers, drivers name and vehicle type can be shown here. This can make it easier to identify the vehicle when you have multiple devices

The Journeys tab shows you each journey the vehicle has had, many months of history is shown here. To select a journey click on the time and date. You will be then shown a start and end point for the journey.

To replay the journey click on the play icon, this then loads the data for the journey (takes up to 20 seconds) then you can watch the journey, the speed bar allows you to change the replay speed. In the bottom corner you will see the speed and direction of travel.

The events tab shows you events that the device has had, by clicking on an event you will see the location of the event as well as details. These events can be sent via email at the time they happen, this is a setup in our autotracking server, if you would like this to happen please let us know with the appropriate email address for the reports
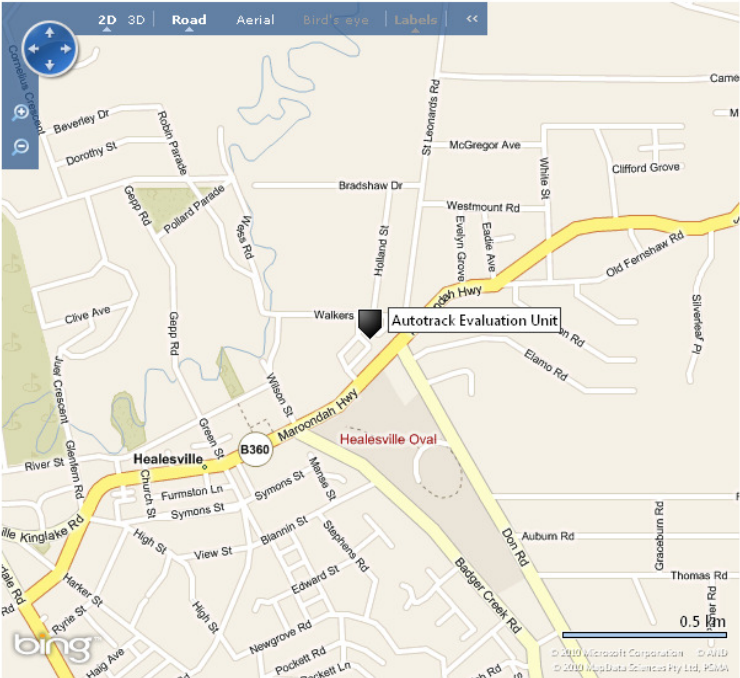
The Reports Tab enables you to print, view or save reports, these reports can be saved in PDF, excel spreadsheet, word and many other formats. To obtain a report select the type you wish then the start and end dates along with any filters you require.

To export a report select the format then the export button to save to your local computer.

The reports listed are those we have been requested to provide, if a particular report you would like is not there, please contact us so we can arrange to add it for you.

Reports like events can also be emailed to you automatically, please contact us if you would like this done.
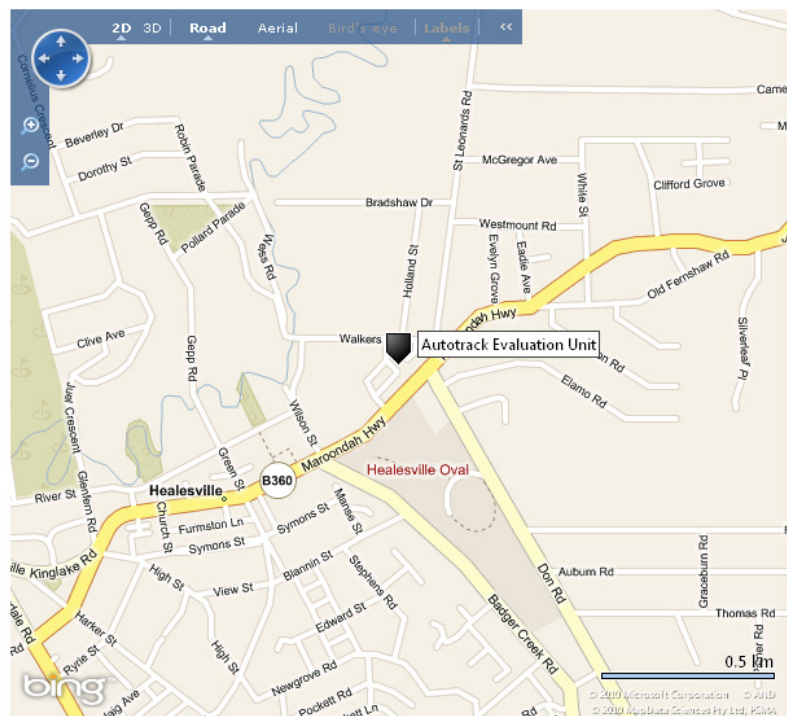
Installing your LMT

The LMT Lite is easy to install by following these instructions.

The LMT Lite comes complete with a combination antenna, The antenna has two colour coded plugs which match up with the connectors shown on the unit in fig 1.

You are also supplied with an eight pin molex connector with either 3 or 8 wires connected.

The antenna is a combination GPS / GPRS antenna this antenna is used both to receive the GPS Signal as well as send data via the GPRS network. It is important that this antenna is faced up when installing. The double sided tape is the upside. The antenna should be mounted where it has no metal obstruction towards a satellite signal. Eg under the carpet on a parcel shelf, attached to the windscreen, or mounted under a plastic dash.

Next connect the wires for the unit. As a minimum all that is required is power, alternatively additional wires can be connected for additional signals to be recorded. See fig 2 for wiring

Function	Cable Type 1	Cable Type 2
Ignition	Red	White
12 Volts	Brown	Red
Ground	Black	Black
Input 1	White	
Input 2	Orange	
Not used	Purple	
Not used	Green	
Not used	Yellow	

Fig 2

Fig 1

Once all the wiring is connected you are ready now to connect the LMT, First make sure the sliding lock over the SIM card is in position. This also enables the internal battery. Connect the antenna using the colour coded connectors, Plug in the 8 Pin Molex connector and the system is ready to operate.

Once powered up the Green LED will flash until it gains a GPRS Signal. (See fig 3) There are also 2 RED LED's. The first (closest to the green LED) indicates the unit has power, The second indicates the unit is receiving a GPS Signal, this may take a few minutes before it illuminates. It also needs to be able to have an unobstructed view towards the sky.

Once all 3 LED's are lit your unit is active and On Line, the unit will not record a location until it detects movement. It is necessary to move the unit 100 metres so it will log its location.

If you require extra inputs to function you can connect the White and / or Orange wires. These will cause the unit to log an event when these inputs are triggered. The inputs are floating which means they do not need to be connected to anything unless used. The inputs can be switched to ground or switched to +12 volt to trigger. This information needs to be filled out on the commissioning sheet to allow correct programming of the unit.

Fig 3

Now that your installation is finished you may now log on to the website to start tracking this unit

Antenna Installation

The most important part of the installation is installing the antenna Correctly. The antenna is a combination GPRS / GSM antenna and may look like the one shown above or be slightly different. But in all cases the antenna installs the same.

The antenna has a sticky back and this side must face up so it can receive signal from the satellites. The antenna must not be installed against metal objects, this will impair is ability to receive good GPS signals.

The antenna can be installed on the glass of the window, inside the dash as long as it is "looking" through non metallic materials. Most dashboards are plastic which is ideal for a covert installation.

Other materials like fiberglass, thin wood, vinyl etc are also suitable to put the antenna behind.