

SNOOPER SAFETY ALERT SYSTEMS

SNOOPER

SAFETY ALERT SYSTEMS



S3

GPS/RLD
Location Systems
with built-in laser

USER MANUAL

SNOOPER SAFETY ALERT SYSTEMS



PERFORMANCEPRODUCTS
Clever House, Sarus Court,
Stuart Road, Manor Park, Runcorn WA7 1UL
Tel: 0870 78 70 700 Fax: 0870 78 71 700

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Service Under Warranty

- 1 To obtain service during the two year warranty period, return your detector, postage paid by special delivery and in suitable packaging to:

**Performance Products Ltd,
Cleaver House,
Sarus Court,
Manor Park,
Runcorn,
WA7 1UL**

**Tel: 0870 787 0700
Fax: 0870 787 1700**

- 2 Enclose the following information:
 - (a) Your name, return address and description of the problem.
 - (b) A telephone number where you can be reached during business hours.
 - (c) Proof of purchase.

Contents

Page	
3	Introduction
4	Components
5	Features
6	Registering your Snooper S3
7	Downloading
8	Installation S3
13	Installation S100-RLD
17	Operating Instructions
17	Starting up
17	Cancel Button
17	Mute Button
18	Alert patterns
20	Features and Settings
20	Pre-Alert
20	Brightness
20	Volume
21	Adding New Locations
21	Deleting Locations
22	Motorcycle Installation
23	Troubleshooting
24	Specifications
24	Accessories & Price List
25	Service under Warranty

IMPORTANT - READ FIRST - IMPORTANT
 You must register your S3 before use. It will not be possible to perform downloads until registration has been completed. See 'Registering your Snooper S3' for further details

Introduction

Congratulations on buying a Snooper Safety Alert System.

This user manual aims to provide you with installation and user instructions for both the S3 neo GPS and radar/laser location devices.

Utilising the very latest Global Positioning Satellite (GPS) and S100-RLD radar/laser location devices, Snooper have created the S3 neo which has been specially designed to help you drive safely within the confines of today's speed limits, by alerting you quickly and easily to the presence of Police speed traps, often located at Accident Blackspots, electronically indicating potentially dangerous and hazardous situations.

The geographical co-ordinates of all 'fixed' speed monitoring systems and many officially designated accident 'hotspots' have been stored on a database that is constantly monitored and up-dated by our data collection team, ensuring that you are alerted to every potentially hazardous stretch of road or danger spot. The S3 connects quickly and easily to your PC so that you can download the database in a matter of minutes. Please note that a certain level of System Software is required on your PC, see the section on System Software in this manual for further details. Once the database has been downloaded your S3 compares your position using its built-in GPS antenna, with the position of every known 'fixed' speed monitoring system and accident 'hotspot' alerting you both audibly and visually via a loud piezo beeper and a colour LED display ensuring your highest concentration at all times.

An additional radar/laser detector (S100 RLD) can be purchased, which has been designed to detect all types of radar and laser speed monitoring systems often used in danger spots where 'Fixed' systems cannot be easily utilised, thus ensuring that you will be made alert to each and every speed monitoring system and accident hotspot whether Fixed or Mobile.

Drive Safely with Snooper!

The Snooper S3 has been designed and manufactured to help enhance road safety and is in no way a license to speed nor has it been designed as a substitute for concentration. Driving within the speed limit whilst carefully observing current road conditions is essential.

Specification

Dimensions

Width - 105mm

Depth - 75mm

Height - 25mm

Laser

Optical 360 degree sensor

Receiver Type - Pulsed Laser Signal receiver

Detector Type - Digital Signal Processed Pulse Width Discriminator

Opto Sensor - High Speed Photo Diode Detector

Spectral Response - 800 - 1,100nm

GPS

Receiving Method - 18 Channels parallel

Receiving Frequency - 1575.42Mhz +/- 1Mhz, C/A code

Cold Start - 15mins(Typ) At normal temperature

Warm Start - 45secs(Typ) At normal temperature

Hot Start - 15secs(Typ) At normal temperature

Snooper Accessories & Price List

The following accessories are available from your local Snooper dealer. For further details please contact our technical helpline on 0870 787 0700.

S100-RLD - Remote extension radar/laser detector.....	£99.95
Remote GPS re-radiating extension antenna.....	£69.95
Coiled power lead with cigarette lighter adaptor.....	£12.95
2m Straight power lead with cigarette lighter adaptor.....	£12.95
2m Straight hard wire lead.....	£12.95
Windscreen mounting bracket.....	£12.95
Hook & loop fastener.....	£2.95
RS232 PC connection lead.....	£12.95
RS232 to USB conversion lead.....	£24.95
1-3 Lighter socket extension.....	£7.95
25ml anti-static LCD display cleaner & protector.....	£7.95
12v power supply.....	£12.95
Under bonnet RLD mounting bracket.....	£12.95
RLD 3m extension cable.....	£12.95
RLD double sided fixing tape.....	£2.95

Troubleshooting

The unit cannot be switched on

Check that the cigarette lighter adaptor is well inserted into the cigarette lighter socket and that the cigarette light socket is functioning properly. Check that the lighter socket is clean and free from debris. Also check that the fuse in the cigarette lighter adaptor is functioning correctly.

If you are using the hardwire connection check that you have secured a good earth and that you have taken the 12v feed from a 12v supply that is live on ignition. Also check that the in-line fuse is operating correctly.

The unit cannot acquire satellites

Check that the S3's built-in GPS antenna has a clear view of the sky above.

If this is the first time you have powered up your Snooper S3 please remember that the first 'cold' start may take between 15-30 minutes to acquire sufficient satellites for operation.

Disconnect and re-connect the power to the unit and start the power up procedure again.

The satellite signal temporarily or permanently drops out

This may happen temporarily in areas where there are a significant number of tall buildings or trees or whilst driving through a tunnel. The signal should only be lost for a few seconds and quickly reacquired.

Check that the device has not moved and that the built-in GPS antenna still has a good clear view of the sky above.

Very occasionally you may experience bad satellite coverage that may lead to you losing a signal. This should last no longer than a few short minutes.

The device does not appear to respond to Police speed monitoring systems

Have you performed a download recently? If not perform a fresh download to ensure that you have all the latest co-ordinates stored on your device.

If you have the S100-RLD installed check that it is positioned in such a way that the antenna lens is facing forwards and that it has a clear view of the road and is unobstructed by any metallic objects.

Components

S3 NEO

The following components come as standard with your Snooper S3 NEO:-

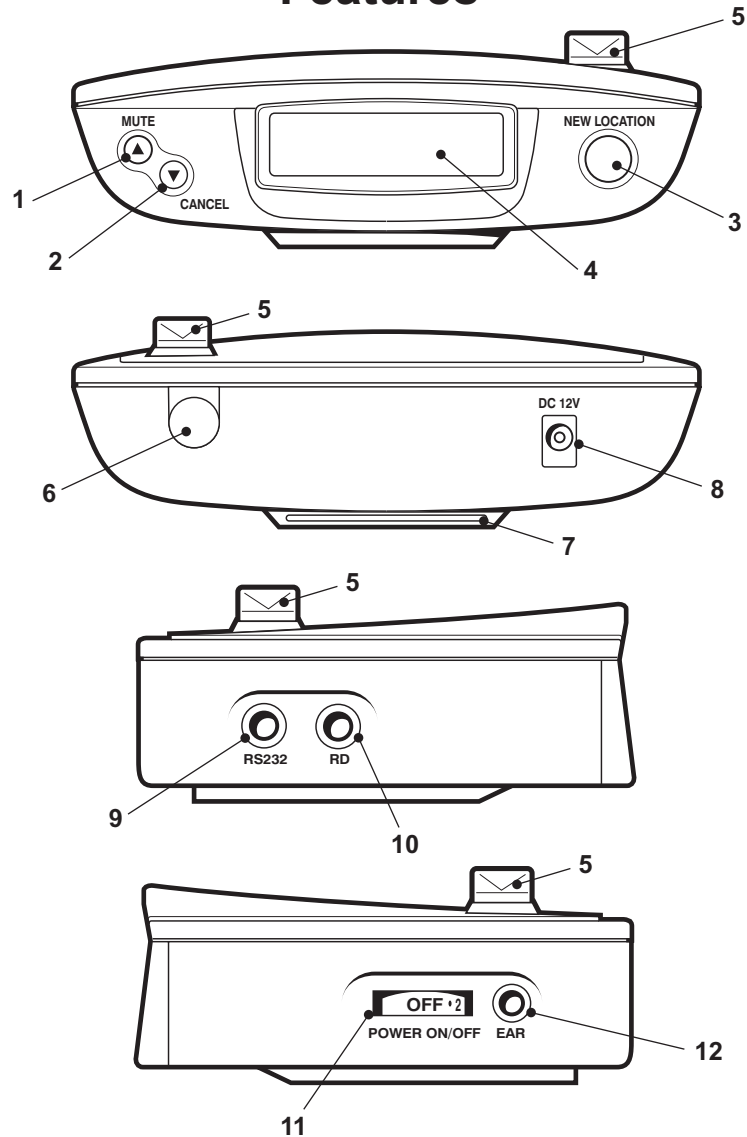
- 1 x S3 system
- 1 x Windscreen suction cup bracket
- 1 x Hook & loop fastener
- 1 x Coiled power lead with cigarette lighter socket adaptor
- 1 x 2m Straight hard wire lead
- 1 x RS232 PC connecting cable
- 1 x 240v power supply
- 1 x Download Software Disc



PLEASE NOTE

Due to our desire to continually improve our products specification may change without notice.

Features



- | | |
|-----------------------|---------------------------------------|
| 1 Mute Button | 7 Bracket Mounting Slot |
| 2 Cancel Button | 8 12v Power Input Socket |
| 3 New Location Button | 9 Computer Interface Socket |
| 4 LED Display | 10 S100 RLD Antenna Input Socket |
| 5 360° Laser Prism | 11 Power On/Off & Volume Control |
| 6 Rear Laser Sensor | 12 Earphone Socket (Earphone not inc) |

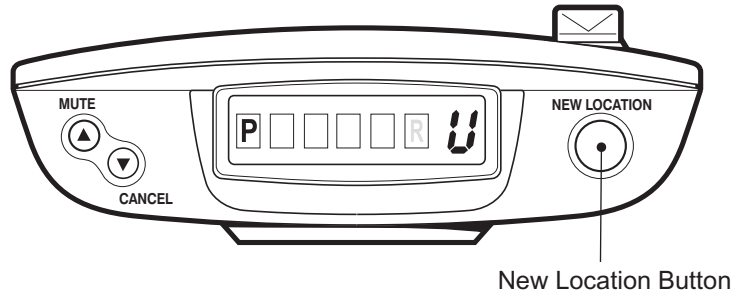
Motorcycle installation

The Snooper S3 can be installed on to your motorcycle. An ear-piece is available as an optional extra so that audible alerts can still be clearly heard.

Instructions for mounting the S3 are as per the installation guide on pages (8 to 16). Remember however that the Snooper S3 is not waterproof so needs to be mounted within a tank bag or other waterproof holder. Always remember that for your S3 to work effectively it must be positioned so that the built-in GPS antenna has an open, clear view of the sky and that if you are installing the S100-RLD it has a clear view of the road ahead, unobstructed by metallic objects. If you require any further advice on installation please contact our technical help line on 0870 787 0700.

4. Adding your own locations

It is possible to add your own personal locations to your Snooper S3. To add a new location make sure you are stationary and parked in a safe, legal manner then press the 'New Location' button (see below) for approximately 2 seconds. It is possible to store up to 99 of your own co-ordinates. When your S3 detects one of your own co-ordinates the display will show the letter 'U' indicating 'User's co-ordinate' and will alert in the usual manner and from the pre-alert distance selected.



5. Deleting your own locations

There are two ways to delete locations you have saved and stored yourself. You can delete them independently by pressing and holding the New Location button for approximately 2 seconds whilst you are at that particular location and receiving a User Saved alert. Secondly you can delete all your saved locations at the same time by pressing and holding the New Location button as you power the unit up. Once a user location has been deleted it cannot be recovered except by re-plotting it.

IMPORTANT PLEASE READ BEFORE USING YOUR SNOOPER S3!

Registering your Snooper S3

The database built into your Snooper S3 is unpopulated when purchased for security reasons. As a result you must register your unit before you are able to complete any downloads. There are four ways of registering your unit as follows:-

Register On-line

Go to the official Snooper website www.s3neo.co.uk and register on-line. Your unit should be activated within one hour of registration.

By Telephone

Contact us by telephone on 0870 787 0700. Your unit should be activated within 1 hour of registration.

By Fax or Post

Fill out the registration form included with your S3 and fax it to 0870 787 1700. Your unit should be activated within 1 hour. If you would like to register by post send the completed registration form to us at:-

Performance Products Ltd
Cleaver House, Sarus Court,
Manor Park, Runcorn, WA7 1UL

If you register by post your unit should be activated within 24 hours of our receipt of your completed registration form.

Please ensure that you have the serial number of your unit and a valid method of payment to hand before contacting us.

Downloading

Your Snooper S3 neo comes 'unpopulated' so before use, you will need to download all the location co-ordinates on our database by connecting the device to your PC.

Performing a download is simple but first of all you will have to install the downloading software on to your PC by using the CD Rom included with this product. Simply put the CD into an available CD drive and follow the on screen instructions.

Once the the S3 download software has been installed, double click on the S3 download software icon that should now have appeared on your desk top and follow the on-screen instructions carefully. Connect the RS232 cable to a spare comport on your computer, connecting the opposite end of the lead to the socket marked RS232 on your S3. Next plug the 240V power supply into a standard UK wall socket and plug the opposite end of this lead into the socket on the back of the unit marked DC 12V. **Note: Do not use any other 240V power supply than the one provided. Using a different power supply may damage your unit and will invalidate the warranty.** Next switch your S3 on by turning the on/off volume control towards you. Follow the on-screen instructions until you reach the screen featuring the 'Start Update' button. You have the opportunity here to select between downloading the Camera only database or the Camera and Schools database, by clicking on the 'Download File' drop down and highlighting the file you would like. Finally once you have made your selection press 'Start Update' and the download will run automatically whilst the on-screen display will keep you informed of it's progress.

As there are constant additions to our location database you will need to perform regular downloads. The frequency with which you do this is entirely up to you, but we recommend that higher mileage drivers often driving on unfamiliar roads, download once or twice a week whereas lower mileage drivers perform a download once or twice a month.

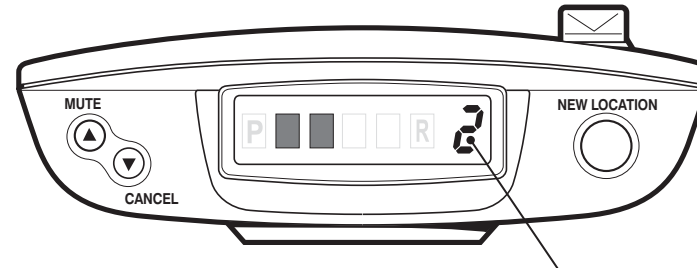
Once the download has been completed your S3 is ready for use.

Please note that you will need to register your Snooper S3 before you can perform any downloads.

Features and Settings

1. Pre-Alert Setting

The PreAlert setting allows you to adjust the distance that your S3 will detect from when utilising GPS. To enter the 'PreAlert' setting from the Standby screen press the MUTE button for approximately 2 seconds. The display will show the letter 'D' and then indicate the pre-alert distance currently selected. Next using either the MUTE button or the CANCEL button scroll up or down until your desired pre-alert distance is displayed and press SELECT. You can set your S3 to alert from 100-500m.



Number indicates distance i.e. 2 = 200m

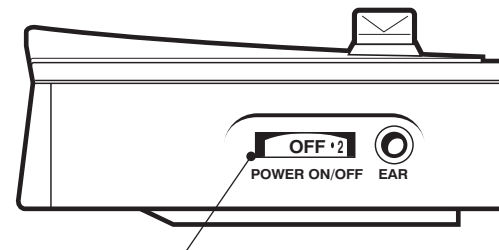
If you do not press any buttons for a period of 5 seconds you will automatically exit the pre-alert setting and return to the standby display without adjusting the distance.

2. Setting Brightness

You can adjust the brightness of the display on your S3 by pressing the cancel button when the unit is not detecting or locating a signal. There are 2 levels of brightness to choose from bright or dimmed.

3. Adjusting the volume

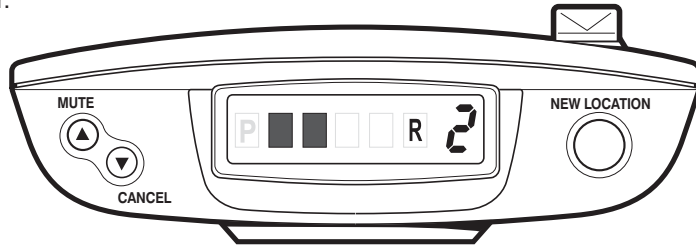
The S3 has an adjustable volume for controlling the loudness of the audible alert. To increase the volume simply turn the volume control on the right hand side of the device, towards you. To decrease the volume of the alert turn the volume control away from you.



Volume Control

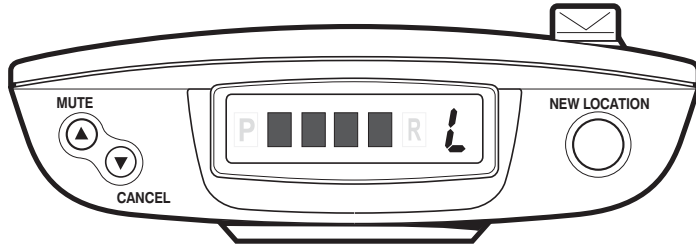
Radar Alerts (Only applicable where S100 RLD is connected)

If you have the S100-RLD connected to your S3 you will be able to receive radar alerts. The information provided is more basic than when you receive an alert via GPS but still effective. When the device first receives a radar alert the unit will begin to 'Beep' slowly at first but quicken as you get closer to the source. At the same time the LED display will indicate that you are detecting radar by illuminating the letter 'R' on the display. Next the red LED's will illuminate starting with a single LED and building up to 4 red LED's as you get closer to the source of the radar.



Laser Alerts

The S3 incorporates a built-in laser detector. As laser often requires instant action the device simply gives you a loud audible alert whilst the display will flash 'L' and all 4 red LED's simultaneously. No signal strength will be indicated.

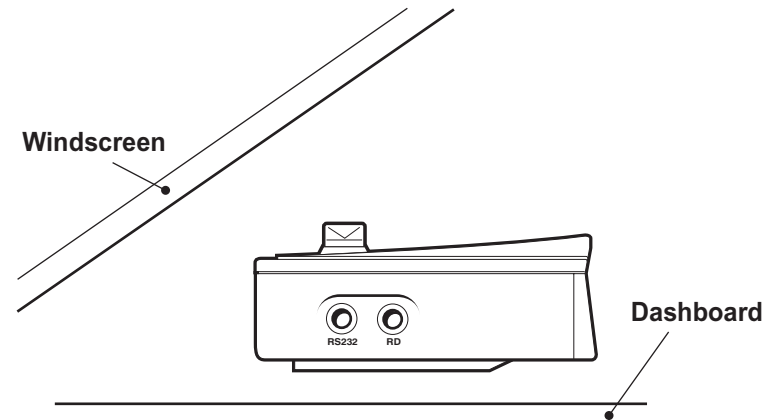


If you would like to Mute either a Radar or Laser alert, simply press the 'Mute' button at any time during the alarm.

Installation S3

Once you have performed a download it is time to install the Snooper S3 into your vehicle. The most important aspects of this installation are ensuring that the Snooper S3 is positioned in such a way that it has a clear view of the sky whilst ensuring that the device is situated so that it does not interfere with the vehicles controls and does not jeopardise either the passengers or drivers safety.

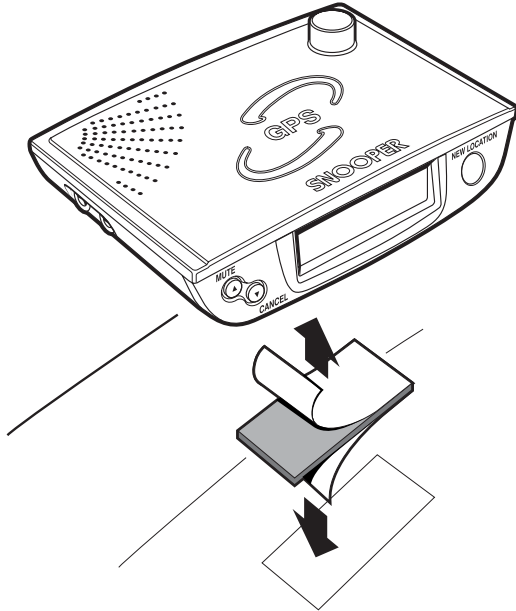
For best results mount the S3 on to the vehicles dashboard so that the top of the unit has a clear view of the sky. Some vehicles including Renault's, Citroens and Peugeot's may come with a 'Heat reflective' or 'Comfort' front windscreen which may effect the performance of the built-in GPS antenna, although the S3 will work effectively in vehicles with a 'heated' windscreen. In these situations you will need to purchase a re-radiating antenna which can be positioned on the rear parcel shelf. Contact Performance Products or your local dealer for further information. In both cases the unit or extension antenna should be positioned so that it has a clear view of the sky directly above. When positioning your Snooper S3 ensure that it is located in such a way that you can easily view the LED display without having to take your eyes from the road ahead and so that you can reach the controls safely. Please also be aware that you will need to be able to remove the device to perform downloads. Once you have found a suitable location for your S3 secure it in place with the 'Hook and loop' fastener or suction cup bracket provided, remembering to clean the area where the fastener or bracket is going to be positioned thoroughly before hand to ensure a good contact. More in depth mounting instructions are provided below.



PLEASE NOTE: Be careful to choose a location that does not block the drivers view or where it might endanger the driver or passengers should your vehicle suddenly come to a stop or be involved in an accident.

Installing your Snooper S3 using the Hook and Loop fastener

The Snooper S3 can be installed anywhere on the dashboard as long as the built-in GPS antenna has a clear view of the sky and you can easily see the LED display and operate the controls safely. You will also need to be sure that you can connect both the power and RLD (If required) connection cables. Your S3 can be installed easily with the hook and loop fastener if you have a sufficiently flat area on your dashboard. Follow these instructions to mount the control panel in this way.



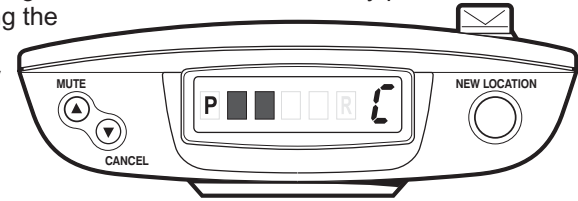
- Use a damp cloth to thoroughly clean the bottom of the S3 and the area where you intend to mount your unit.
- With the two parts of the Hook and Loop fastener still fastened together, peel the backing tape from the softer 'Loop' side of the fastener and apply it to the bottom of the unit.
- Next remove the backing tape from the 'Hook' side of the fastener, again whilst the two parts are still fastened and position the unit onto the desired area. If possible leave the Hook and Loop fastener for 24hrs to adhere properly before using regularly.
- Finally plug the smaller plug on one end of the power cable into the socket marked DC12V on the back of the S3 and plug the larger plug into the cigarette lighter socket of your vehicle. Your Snooper S3 is now ready for use. For further information please read the section on Power Connection on page 10.

3. Alert Patterns

Gatso & Truvelo Safety Cameras

As you approach the Safety Camera the unit will begin to emit an audible alert at your pre-set alert distance. As you get closer to the camera the 'Beeping' will quicken. At the the same time the display will initially show the letter 'C' for camera and will then begin to count down in 100m increments ie 4, 3, 2, 1, 0 until you reach the location.

If you would like to change the alert to a visual alert only press the 'Mute' button during the alert to temporarily turn off the sound. If at any time you would like to stop the alert, simply press 'Cancel'



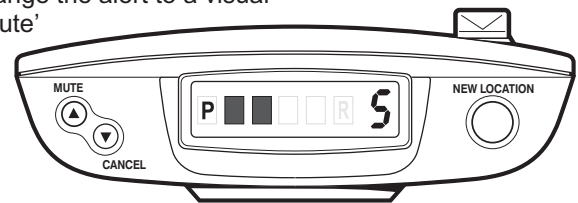
SPECs Safety Camera Systems

Due to the fact that the SPECs camera incorporates a series of cameras that monitor you over a fixed distance, a different alert pattern has been devised to ensure that your concentration is maintained throughout the danger zone. If you are approaching the first camera in the SPECs system your S3 will begin it's alert at the pre-set alert distance set by you with the display indicating 'S' for SPECs and will begin to beep. The screen will then count down in 100m increments to the first camera in the sequence. The unit will then emit an audible alert every five seconds to remind you that you are still within the SPECs system. If after 20 seconds you do not pass another camera, for instance if you have turned off the motorway without passing the last camera in the SPECs series the alert will automatically 'Time out' and the alert will finish.

Whilst travelling through a SPECs system however, your Snooper S3 will provide both an audible and visual alert 250m before each camera plus will alert every 5 seconds between them until you reach the last camera in the SPECs sequence.

Please note that if you join a road in the middle of a SPECs system you will automatically get a visual and audible alert, 250m before the first camera that you pass.

If you would like to change the alert to a visual alert only press the 'Mute' button during the alert to temporarily turn off the sound . If at any time you would like to stop the alert, simply press 'Cancel'



Operating Instructions

1. Starting Up

After you have successfully installed your S3 and performed the download it is time to perform the first start up. Firstly make sure your vehicle is parked in as open a space as possible, clear of tall trees and buildings so that the built-in GPS antenna has a clear view of the sky above. Next power the unit up by turning the on/off/volume towards you. The S3 will go through a brief self test procedure and then a red LED will scan back and forth across the display indicating that the unit is searching for satellite connection. The S3 needs to acquire a minimum of 3 satellites to work effectively, once this has been achieved the S3 will proceed to the standby screen with just the green letter 'P' illuminated. As soon as the standby screen is being displayed your S3 is ready for use and will now automatically alert you of any locations stored in it's database as well as laser alerts and radar alerts if you have a S100-RLD connected.

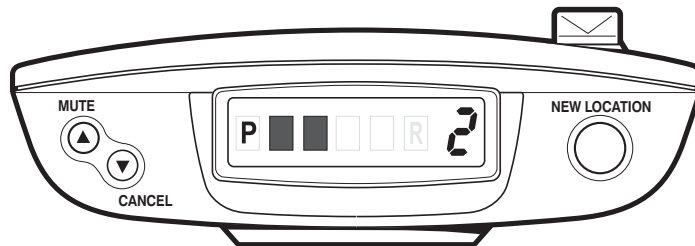
As the GPS engine and antenna have never been used before, the first 'Cold' start up could take somewhere between 5 - 30mins. Once initialised, subsequent start ups will take as little as 3 mins.

2. Cancel Button

If during an alert you decide that you would like to cancel it, simply press and hold the 'Cancel' button. The display will automatically return to the Standby screen and the device will be ready to alert you the next time you encounter a stored co-ordinate or laser source.

3. Mute Button

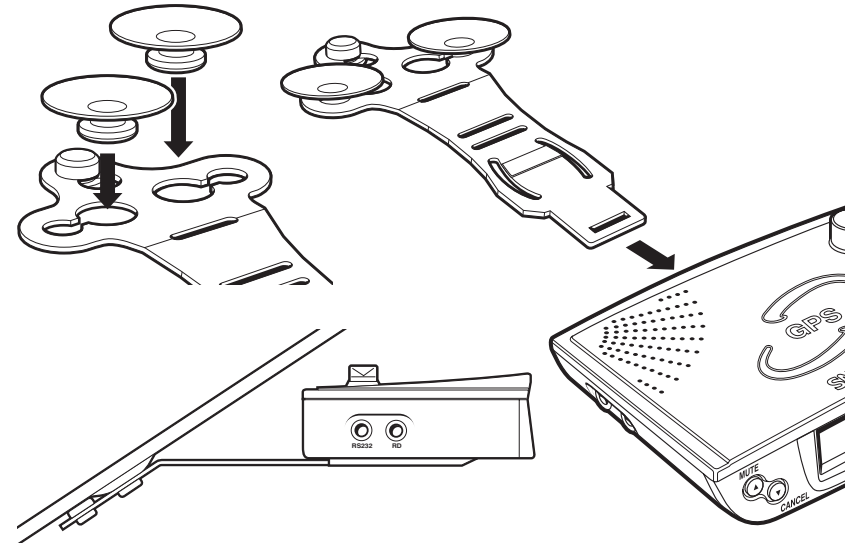
If during an alert you decide that you would like to mute it, simply press the 'Mute' button briefly. The screen will continue to display a visual alert but no sound will be heard. After you have travelled out of range of the location the device will automatically reset so that next time you encounter a location you will receive both audible and visual alerts as normal.



Installing your Snooper S3 using the Windscreen Suction Cup bracket

If you prefer you can mount your S3 to the inside of your vehicles windscreen using the suction cup bracket provided. Simply select a position within the windscreen so that the top of the unit has a clear view of the sky, remembering that you need to connect both the power and RLD (If required) connection cables as well as ensuring that you can read the LED display and reach the controls safely. Follow these instructions to mount the unit in this way.

- Install the suction cups onto the bracket by fitting them into it's holes.
- Clean the area where you wish to position the bracket thoroughly with a good quality glass cleaner.
- Carefully bend the bracket so that when it is mounted on to the windscreen with the S3 attached, the Control Panel is facing in the desired direction so that you can easily see the LED display and safely operate the controls.
- Slide the S3 onto the bracket until it is secure and the unit is positioned in as horizontal a position as possible.
- To remove the S3 simply slide the unit off the bracket from the front.

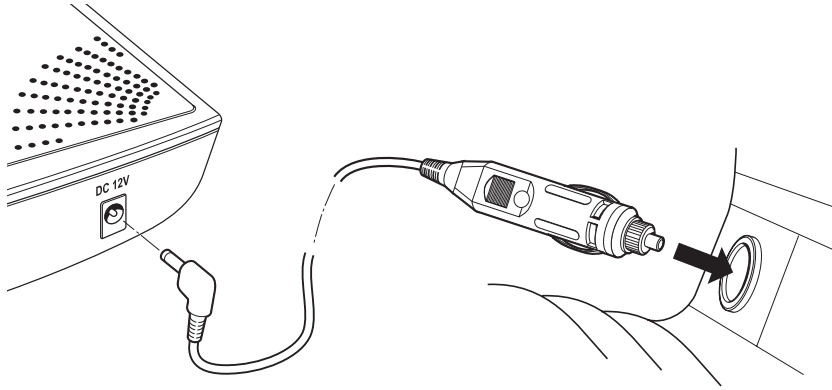


- Finally plug the smaller plug on one end of the power cable into the socket marked DC12V on the back of the S3 and plug the larger plug into the cigarette lighter socket of your vehicle. Your Snooper S3 is now ready for use. For further information please read the section on Power Connection on page 11.

Power Connection

Using the cigarette lighter socket

The S3 comes with a power cable designed to plug into your vehicles cigarette lighter socket. Take the lead and plug the smaller end into the DC 12v input socket on the back of the S3 and the cigarette lighter adaptor in your vehicles cigarette lighter socket.



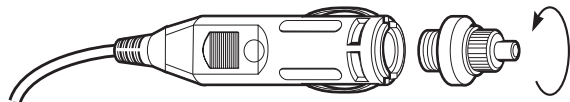
Please Note: Do not leave your S3 plugged into the cigarette lighter socket when you start your vehicle. The cigarette lighter socket is prone to power surges when the vehicle is started that may damage your unit. If the device does not power up please check that the cigarette lighter socket is clean of any debris, remembering not to insert any metal objects into the socket, check that the cigarette lighter adaptor is inserted all the way into the socket and to check that the fuse in the cigarette lighter adaptor is operational. If your S3 will still not power up, please check that the cigarette lighter in your vehicle is functioning correctly.

Replacing the Fuse

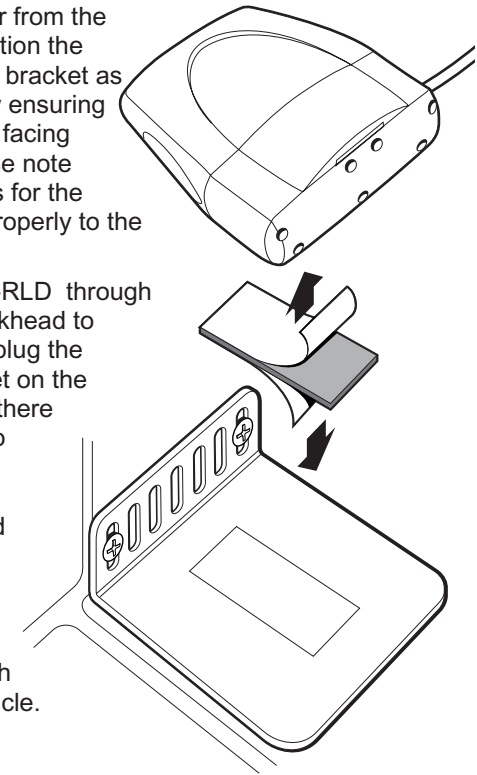
If the detector stops operating, the fuse in the cigarette lighter plug might be blown. If it has blown, follow these steps to replace it with a 2 amp, 5 x 20mm, fast acting fuse.

Caution: Using a fuse that does not meet these ratings or defeating fuse protection can damage your detector, the power cable, or the vehicles electrical system.

1. Grasp the ring near the tip of the cigarette lighter plug, then carefully unscrew the ring by turning it counterclockwise.



- Next use a damp cloth to thoroughly clean the bottom of the S100-RLD and the side of the bracket where you intend to mount the device.
- Peel the backing paper from one side of the double-sided tape and apply it to the bottom of the unit.
- Next remove the backing paper from the other side of the tape and position the S100-RLD onto the 'L' shaped bracket as indicated in the diagram below ensuring that the front of the detector is facing forwards down the road. Please note it will take approximately 24hrs for the double sided tape to adhere properly to the bracket and unit.
- Feed the cable from the S100-RLD through an existing grommet in the bulkhead to the cockpit of the vehicle and plug the end of the cable into the socket on the side of the S3 marked 'RD'. If there is not a convenient grommet to use you will need to drill an additional hole sealed with a grommet, large enough to feed the cable and plug through. Ensure that the cable running from the S100-RLD to the S3 is secured periodically so that it does not interfere with any of the workings of the vehicle.



Mounting Notes

When mounting the S100-RLD always ensure that you mount the unit away from any moving parts such as air cooling fans or the fan belt. Always position the unit so that you can safely feed the cable back through to the cockpit of the vehicle without the cable interfering with any moving parts within the engine bay or interfering with any part of the vehicle that could endanger you or your passengers. Please check that all surfaces are safe to drill through before beginning any work.

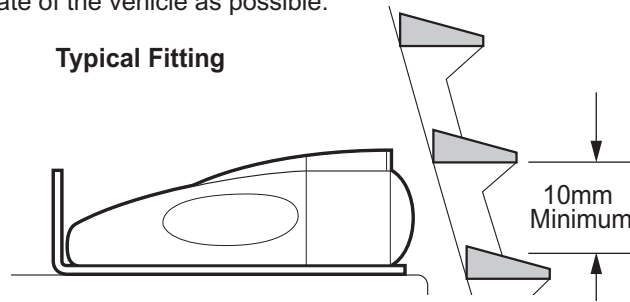
IMPORTANT

If you are unfamiliar with any of the above procedures, please consult a professional auto electrician.

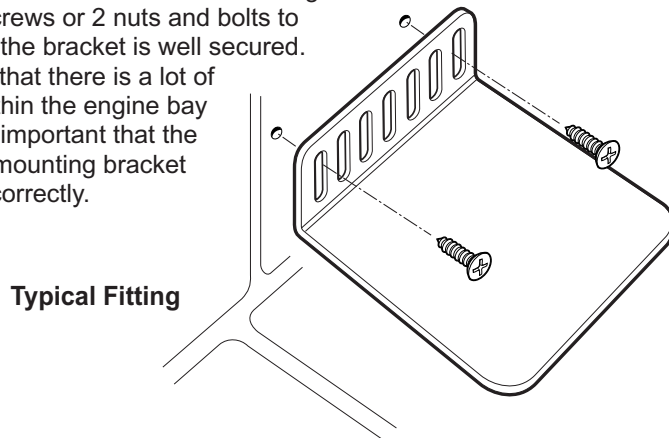
3. S100-RLD External Installation

As the S100-RLD is waterproof it can be mounted outside the vehicle with the 'L' shaped bracket, water resistant double sided tape and screw pack provided.

- Find a suitable mounting position for the detector, ensuring that the front of the unit has a clear view of the road ahead and is unobstructed by any metallic objects and that there is a sufficient mounting area to attach the 'L' shaped fixing bracket. The S100-RLD needs to be mounted in as horizontal a position as possible so that it is looking directly down the road ahead but can be mounted either flat or on it's side if necessary. We recommend that you mount the detector either behind the vehicles grille (If the openings of the grille are at least 10mm in diameter) or within an air intake at the front of the vehicle. The S100-RLD can be mounted anywhere at the front of the vehicle, but for optimum performance we suggest you mount it as close to the number plate of the vehicle as possible.

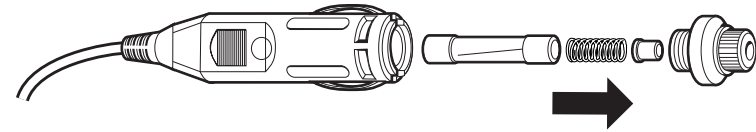


- When you have found a suitable location, using the 'L' shaped mounting bracket as a template, drill between 2 and 4 pilot holes into the selected mounting surface for attaching the bracket using either the self-tapping screws or the nuts and bolts provided. You will need to attach the bracket using at least 2 screws or 2 nuts and bolts to ensure that the bracket is well secured. Remember that there is a lot of vibration within the engine bay so it is very important that the S100-RLD mounting bracket is secured correctly.

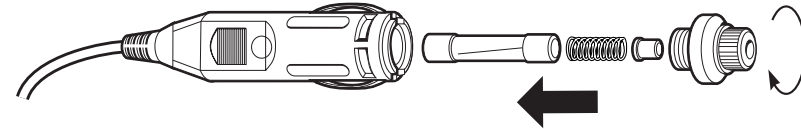


Caution: If you must use pliers to loosen the ring, be careful not to crush the tip. Never use pliers or other tools to retighten the ring on the cigarette lighter plug.

2. Pull the ring straight out, then remove the metal tip, spring and old fuse.



3. Check the fuse to see if it has blown. If it has, replace it.
4. Replace the metal tip and spring inside the ring, then place the fuse inside the cigarette lighter plug and screw the ring back onto the plug. Make sure the metal tip is visible when you reassemble the cigarette lighter plug.



Direct connecting/hard wiring your S3 neo.

You can power your Snooper S3 by wiring it directly to your vehicles 12v electrical system using the 'Hard Wire' cable supplied as standard with your unit. Firstly connect the positive side of the cable (Red) to a 12v switched live. This is a live that is On when the ignition is On and Off when the ignition is Off. The negative side of the lead should be connected to a negative ground, so can be attached to any metal portion of the vehicles frame. Next plug the small adaptor on the other end of the lead into the DC 12V input socket on the back of the unit.

Important: If you are unfamiliar with this procedure, please consult a professional auto electrician

Installation S100-RLD

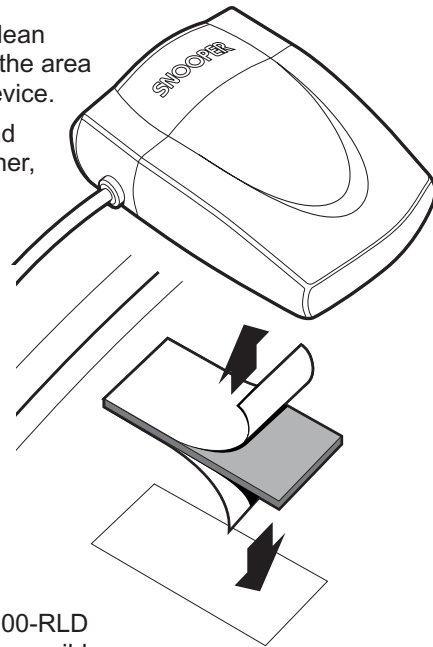
(The S100 RLD is an optional extra and is available separately from your Snooper dealer)

If you have purchased the S100-RLD as an optional extra to your S3 you will need to follow the following instructions to install the S100 remote extension radar and laser detector. This device is waterproof so can be installed under the bonnet behind the vehicles grille or within an air intake at the front of your car or you can simply mount the device on the dashboard or windscreen of your vehicle. Please note however that some vehicles including Renault's, Citroen's and Peugeot's may come with a 'Heat reflective' or 'Comfort' front windscreen which may effect the performance of the S100-RLD. In these cases the RLD must be mounted outside the vehicle. For this type of installation follow the instructions for S100-RLD External Installation.

1. Dashboard Mounting

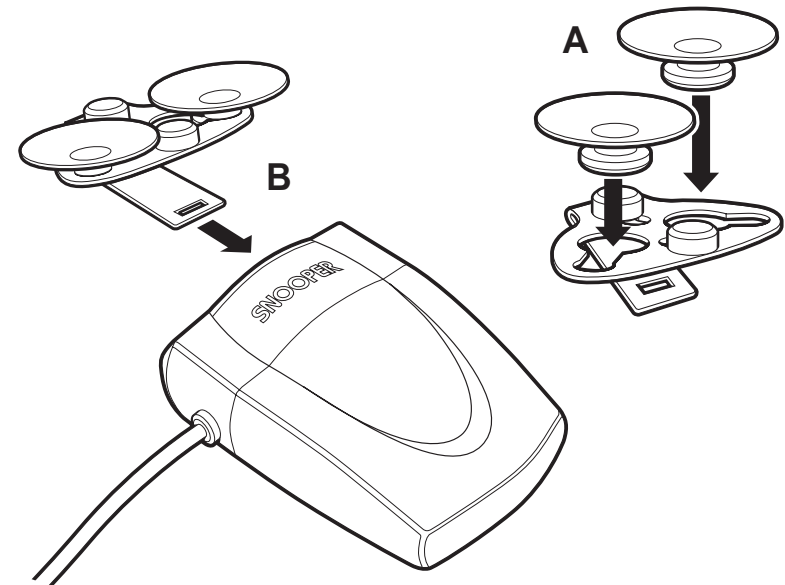
The S100 RLD needs a clear view of the road ahead and needs to be positioned in as horizontal a position as possible. If you can find a position on the dashboard that is fairly flat (Surface must be within 15-20 degrees of the road) and so that the view from the front of the detector is through clear glass and is not obscured by any metallic objects such as the windscreen wipers the Hook and Loop fastener might provide the easiest method of mounting the detector. To mount the RLD in this way follow these instructions.

- Use a damp cloth to thoroughly clean the bottom of the S100-RLD and the area where you intend to mount the device.
- With the two parts of the Hook and Loop fastener still fastened together, peel the backing tape from the softer 'Loop' side of the fastener and apply it to the bottom of the unit.
- Next remove the backing tape from the 'Hook' side of the fastener, again whilst the two parts are still fastened and position the unit onto the desired area. Please note it will take approximately 24hrs for the Hook and Loop fastener to adhere properly to the dashboard and unit.
- Finally feed the cable from the S100-RLD to the S3, concealing it as well as possible and plug it into the socket marked 'RD' on the side of the control panel.



2. Windscreen Mounting

The S100-RLD can also be mounted on the windscreen of your vehicle as long as it not a 'Heat reflective' or 'Comfort' style windscreen sometimes found on newer Renault's, Citroen's and Peugeot's. If you are unsure as to whether your vehicle is fitted with this style of screen please contact your local dealer or call our technical helpline on 0870 787 0700. The S100-RLD can be mounted anywhere in the windscreen as long as it has an unobstructed view of the road ahead. Follow these instructions to mount the S100-RLD using the suction cup mounting bracket provided.



- Install the suction cups onto the bracket by fitting them into the holes (A).
- Find a position on the windscreen to mount the unit, so that the view from the front of the detector is through clear glass and is not obscured by any metallic objects such as the windscreen wipers.
- Clean the area where you wish to position the bracket thoroughly with a good quality glass cleaner.
- Carefully bend the bracket so that when it is mounted on to the windscreen with the S100-RLD attached, the unit is in as horizontal a position as possible.
- Slide the S100-RLD onto the bracket until it is secure (B).
- To remove the S100-RLD simply slide the unit off the bracket from the front.
- Finally feed the cable from the S100-RLD to the S3, concealing it as well as possible and plug it into the socket marked 'RD' on the side of the control panel.