3ZERO

🇬🇧 **User manual**

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3ZERO

USER MANUAL UK • Introduction

Congratulations on purchasing a Snooper Safety Alert System!

This user manual aims to provide you with installation and user instructions for the 3Zero GPS location device.

Utilising the very latest Global Positioning Satellite (GPS) technology, Snooper have created the 3Zero, which has been 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 black spots, electronically indicating potentially dangerous and hazardous situations.

The geographical coordinates of all 'fixed' speed monitoring systems and many officially designated accident 'hotspots' have been stored on a database that is constantly monitored and updated by our data collection team, ensuring that you are alerted to every potentially hazardous stretch of road or danger spot. The 3Zero connects quickly and easily to your PC so that you can download the database in a matter of minutes (internet connection required). Please note that a certain level of system hardware and software are required on your PC; see the section Software CD later in this manual. Once the database has been downloaded your 3Zero 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 speaker and LED text display ensuring your highest concentration at all times.

The 3Zero also comes with a built-in radar and laser detector. A combination of a detection lens at the front of the unit ensures all round protection. It has been designed to detect Radar and Laser speed monitoring systems often used in danger spots where 'fixed' systems cannot be easily utilised.

Drive Safely with Snooper!

3Zero has been designed and manufactured to help enhance road safety and is in no way a licence 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.

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Contents

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3ZERO

Components Included

The following components come as standard with your Snooper 3Zero: -

1 x Snooper 3Zero system

1 x Quick Start Guide

1 x Windscreen suction cup bracket

1 x USB PC connection lead

1 x Dashboard mount

1 x Power lead with cigarette lighter socket adaptor

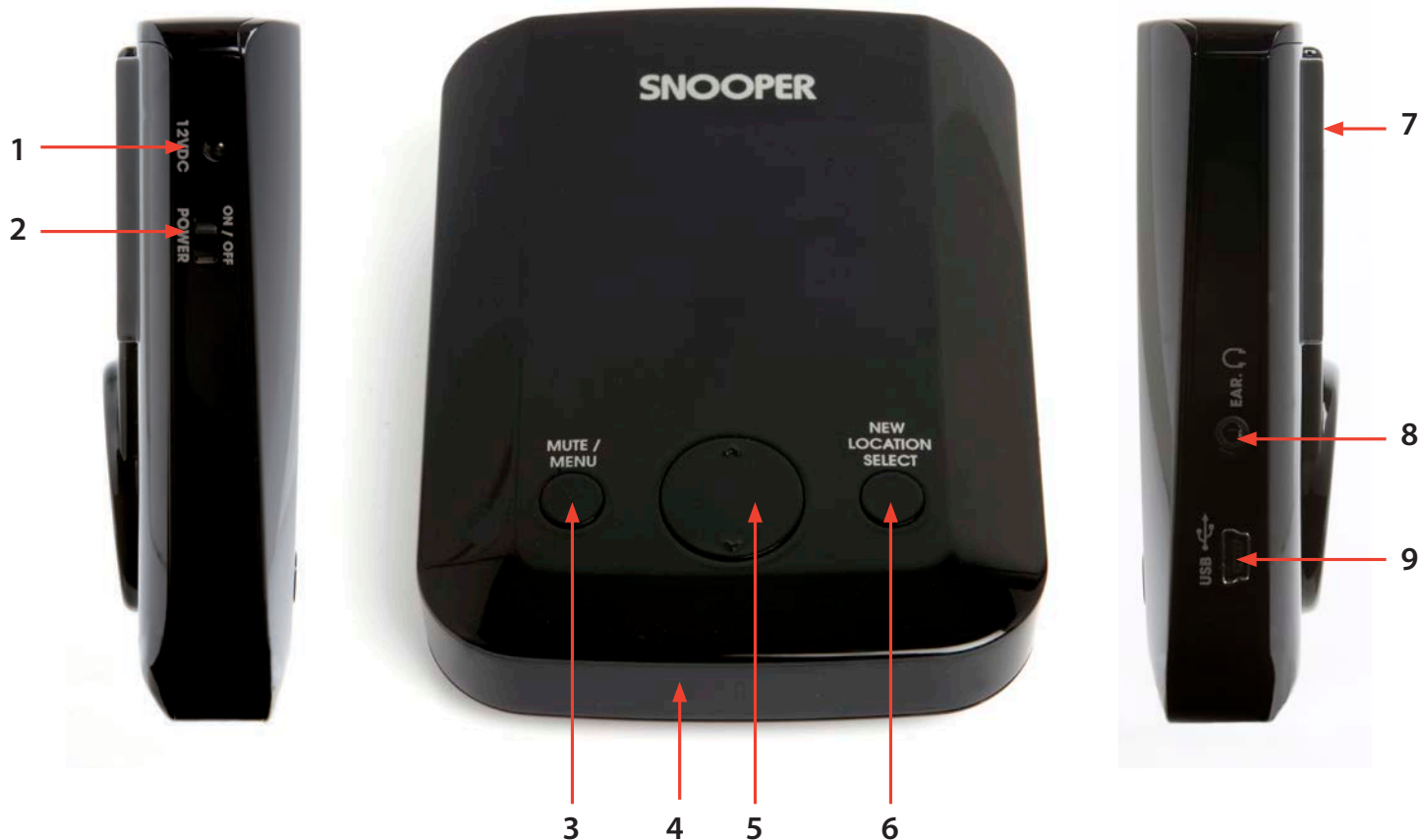1 x Download Software Disc, including the full user manual

PLEASE NOTE
Due to our desire to continually improve our products, the specification may change without notice.

3ZERO

Features

1 Charger socket

2 Power switch

3 Mute/Menu button

4 LED text display

5 Up/Down Button

6 New location/Select

7 Bracket mounting slot

8 Earphone socket (earphone not included)

9 USB computer interface socket

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QUICK START GUIDE

1. Register your 3Zero at **www.snooperneo.co.uk**

   Monthly £2.99 inc vat
   Quarterly £7.99 inc vat
   Annually £29.99 inc vat

2. Download the AURA™ speed camera database. Take the CD ROM included with this unit and insert it in to your PC. Follow the on-screen instructions to download the speed camera database.

3. Install the unit in your vehicle using either the windscreen bracket or dash mount bracket included.

Note: 3Zero may not work in vehicles with a heat reflective windscreen. If your vehicle has this type of screen, look for a clear area to mount the unit such as by the rear view mirror.

4. Connect the unit to the cigarette lighter socket using the power cable supplied.

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5. Power the unit on by moving the switch on the left hand side of the unit to the on position.

6. The display will read **'Searching for satellites'** until the unit has connected successfully. Once the unit has established GPS connection the display will show your current speed.

Note: 3Zero can only connect successfully to GPS if it has a clear view of the sky.

7. Standard settings.
Once installed correctly your 3Zero will alert you to fixed speed cameras monitoring traffic on your side of the carriageway, mobile laser guns and K-band radar guns and cameras. Visual alerts are displayed at all times.

Please note that radar and laser alerts are automatically ignored if you are travelling below 15mph.

Additional radar frequencies, K and Ka bands can be activated in the system settings. For further information and to alter the system settings please refer to the full user manual on the CD ROM supplied with this unit.

Registering 3Zero

IMPORTANT! PLEASE READ BEFORE USING 3Zero

You must first register your 3Zero before you can perform a download of the AURA™ database to your 3Zero.

Register Online

Go to the official Snooper website **www.snooperneo.co.uk** and register your unit online. Your unit should normally be activated within 30 minutes of registration.

Please Note: To register your 3Zero you will need the serial number of your unit and you are required to select a payment method at the time of registration. Automated payments can be made using most credit or debit cards.

Monthly - Only £2.99 inc vat

Quarterly - Only £7.99 inc vat

Annually - Only £29.99 inc vat

Minimum subscription period 12 months.

Note: This is only applicable to the original registrant of the unit and is non transferable.

Software CD

Before you can begin downloading the database onto your Snooper 3Zero you will need to install the USB driver software first and then the 3Zero Updater software that enables you to do this.

There is a certain minimum amount of hardware and software requirements needed in order for the software to be installed and used successfully.

Hardware Requirements

The computer must have an Intel Pentium Class processor or equivalent, a minimum of 32MB of RAM, a monitor with 256 (8 bit) colours or greater, a CD ROM drive, 20MB of free disc space and a spare USB connection.

Software Requirements

The software will only operate on the following Windows based operating systems - Windows XP, Windows Vista, Windows 7, Windows 8 and Windows 8.1.

NOTE: The Snooper 3Zero Updater software does not support Windows 95/98/98SE, Millennium , Windows 2K and Apple Macintosh operating systems. Windows XP (64bit) is not supported.

Software Installation Instructions

Place the CD ROM into your DVD or CD-ROM drive. Your PC should automatically open a window displaying the instructions for installing the software.

Please follow the instructions carefully – the USB drivers MUST be installed first BEFORE installing the 3Zero Updater software program.

If the CD does not 'auto run' then you will need to launch the CD manually: Click on **Start** and then **Run**. In the dialogue box that opens click on **Browse** – another dialogue box will open. Locate your CD ROM drive (drive letter is normally D) using the **'Look in'** option and select **'3Zero'** from the lower portion of the dialogue box. Once you have selected **'3Zero'** click on **Open** on the explorer box and then **OK** on the **Run** dialogue box.

Connect the 3Zero to the USB lead. The 'Found New Hardware' wizard will run. Select the 'Install the software automatically (Recommended)' option and click 'Next' to complete the installation of the USB drivers.

Once the software and USB drivers are installed you are ready to download the database to your 3Zero. Double-click the icon which now appears on your desktop to launch the program and follow the onscreen instructions.

Downloading

Performing a download is straightforward.

1. Switch on your PC.

2. Connect the computer to the Internet.

3. Double left click the icon to open the software.

4. The first time you use the software after installation the following message is displayed: "Please select which camera data you wish to download on to your 3Zero on the next screen"

5. Click OK to continue.

6. Select which data you would like to receive and click OK.

7. If, after your initial download you wish to change the selected database then open the software, left click 'Menu' and then 'Download Settings' and select the database files you require. Once selected click 'OK'.

8. Using the supplied cable connect one end of the USB lead directly to a spare USB port on your computer and connect the mini USB to the 3Zero's USB socket.

9. The unit will display 'Connect'.

10. The software will initiate the download automatically. The download process is as follows:

●   The software will display the serial number of your 3Zero and a green progress bar will start to progress across the screen.

●   The software will then connect to the database server and then download** the database.

●   The 3Zero will then save the data received.

●   Once the download is complete the 3Zero software will instruct you to disconnect the unit from the PC.

** If you have a Firewall on your computer the software may appear to hang and/or your Firewall software will inform you that the 3Zero software is trying to access the internet.

Please make sure that you grant/allow/permit access through the Firewall. Please read the messages supplied by your Firewall software carefully before choosing your option.

If you do not allow the program to access the internet through the Firewall, the download process will fail.

If you receive an error message, during the download process, please refer to the troubleshooting section of this manual or additional help is available online at **www.snooperneo.co.uk**

As there are constant additions to our AURA™ database it is advisable 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 per month. **Please note that you will need to register your 3Zero first before you can perform a download.**

Installing the 3Zero

For optimal results mount the 3Zero onto the vehicles windscreen or alternatively mount it on to the dashboard.

When installing your 3Zero please consider the following:

- The unit, with its built in GPS antenna has a clear view of the sky*

- It is located in a position where you can easily view the LED text display without having to take your eyes too far from the road ahead and that you can reach the controls safely.

- When the power cable is attached it must not impede the safe operation of the vehicle or its controls.

- The positioning of the device must not impair the driver's vision.

- Does not jeopardise the drivers or passengers safety

- You will be able to remove the device when the vehicle is left unattended and to perform downloads.

Please Note: Some vehicles may come with a 'Solar Reflective', 'Metal Oxide' or 'Athermic' windscreen which will affect the performance of the built in radar laser detector. If your car has this type of screen try and locate a section of the screen that is clear. This can sometimes be found near the rearview mirror or at the centre of the screen just above the dashboard. Unfortunately if your car windscreen does not have a clear area it will not be possible to use the 3Zero. If you are unsure what type of windscreen is fitted to your vehicle then please contact your local vehicle dealer or manufacturer for further information.

Once you have found a suitable location for your 3Zero secure it in place by using either the suction cup windscreen bracket or or dashboard mounting bracket, remembering to clean the area where the bracket is going to be positioned thoroughly before hand to ensure good contact. More detailed installation instructions follow.

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.

DO NOT leave the unit in view when the car is stationary during hot conditions. Exposing the 3Zero to extremely high temperatures can temporarily impair performance. Keep the 3Zero out of sight when not in use to help avoid theft.

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Installing your 3Zero using the Windscreen Suction Cup bracket

You can mount your 3Zero to the inside of your vehicles windscreen using the suction cup windscreen 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 the power connection cable as well as ensuring that you can read the LED text 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 the holes (if required).

- Clean the area where you wish to position the bracket thoroughly with a good quality glass cleaner

- Adjust the bracket to the rake of the windscreen by carefully bending it so that when the 3Zero is mounted onto the windscreen it is perpendicular to the road ahead. The display must be facing the driver and the controls should be within reach of the driver.

Installing your 3Zero using the Dashboard Mounting Bracket

The 3Zero 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 text display and operate the controls safely. You will also need to be sure that you can connect the power connection cable. Your 3Zero can be installed easily with the dashboard mounting bracket if you have a sufficiently flat area on your dashboard.

Follow these instructions to mount the unit in this way.

- Use an alcohol wipe or similar cleaner to thoroughly clean the bottom of the dash mount bracket and the area of the dashboard where you intend to mount your unit.

- Attach the dashboard mounting bracket to the dashboard using the double-sided tape provided. Allow 24hrs for the bracket to adhere properly before use.

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Power Connection

Using the cigarette lighter socket

- Connect the smaller right angled plug to the socket marked 'DC 12V' on the 3Zero.

- Push the cigarette lighter plug firmly into the vehicles cigarette lighter socket.

Please Note: Do not leave your 3Zero plugged into the cigarette lighter socket when you start your vehicle. The cigarette lighter socket is prone to power surges as the vehicle is started and this may cause damage to 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 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 3Zero will still not power up, please check that the cigarette lighter in your vehicle is functioning correctly.
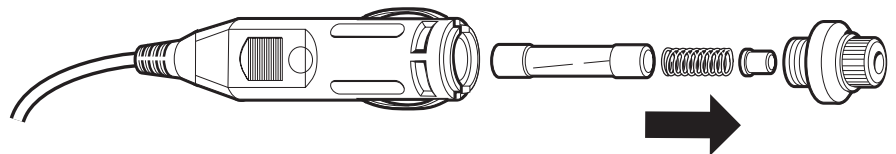
Replacing the Fuse

If the unit stops operating first check the fuse in the cigarette lighter plug. If the fuse has blown, follow these steps and replace it with a 2 amp, 6 x 30mm fast blow fuse. Caution: Using a fuse that does not meet these ratings or removing fuse protection can damage your unit, the power cable, or the vehicles electrical system

1. Grasp the ring near the tip of the cigarette lighter plug, and then carefully unscrew the ring by turning it counter clockwise.
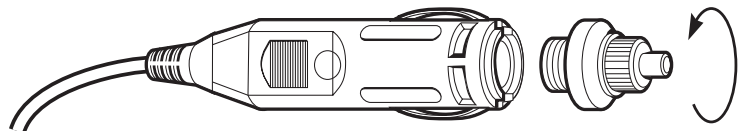
   Caution: If you must use pliers to loosen the ring, be careful not to crush the tip. Never use pliers or other tools to retighten the ring on the cigarette lighter plug.

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.
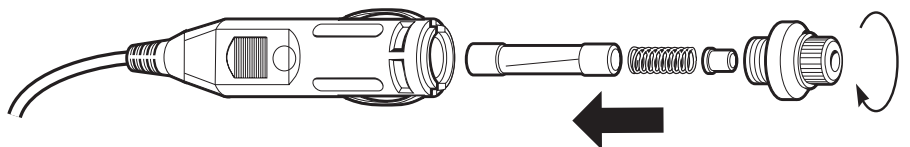
PLEASE NOTE: If your vehicle has auto stop/start technology it is recommended that the 3Zero is powered using a hard wire lead (see Snooper Accessories and Price List later in this user guide for details) connected to an uninterrupted power source.

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Operating Instructions

1. Using the 3Zero for the first time

After you have updated and installed your 3Zero it is time to perform the first 'Cold' start up. First 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 as clear a view of the sky above. Next turn the unit on by moving the on/off switch on the left hand side of the unit to the On position. After going through an initial start-up sequence the LED text display will display 'Searching for Satellites...' as the unit begins to search for satellite connection. The 3Zero needs to acquire a minimum of four satellites in order to work. Once this has been achieved the 3Zero will proceed to the Standby screen of your choice (See Standby Screen below). As soon as the standby screen is displayed on your 3Zero it is ready to use and will now automatically alert you of any locations stored in its database. A variety of audible and visual alert patterns are explained later on in this section. See 'Features and Settings' to personalise your unit.

As the GPS engine and antenna have never been used before, the first 'Cold' start could take anywhere from 15 – 30 minutes to establish a satellite connection. Once initialised, subsequent start ups will take less time and eventually should take only a matter of minutes.

Please Note: If the unit is not used for some time the initial GPS start up may take longer than when the unit is used regularly.

2. Standby Screen

There are three selectable standby screens to choose from:

a)   Atomic Clock and Compass

b)   GPS Signal Strength and Compass

c)   Vehicle Speed (Factory Default)

To select your preference press and hold the MUTE/MENU button (for approximately two seconds) until the unit displays 'PRE-ALERT', then using the UP/DOWN button in the centre of the unit scroll through the Menu options until the screen reads 'Scr Mode' and press the SELECT button. Then use the UP/DOWN button to scroll up or down through the options. When you reach your desired setting, press the SELECT button again.

| MUTE/MENU | UP/DOWN | SELECT |

If you would like to exit the Menu screen at any time press and hold the MUTE/MENU button for approximately 2 seconds. If no buttons are pressed for a period of five seconds the unit will automatically exit the Menu and return to your chosen standby display.

3. Adjusting the Volume

The 3Zero has an adjustable volume for controlling the loudness of the audible alert. To increase the volume simply use the UP/DOWN button in the centre of the unit. Press the front of the button to lower the volume or press the back of the button to increase it.

4. MUTE/MENU Button

This button has two functions. The Mute function is used to to temporarily MUTE an alert. When the button is pressed and held for two seconds it allows you access to the Menu for further configuration of your unit.

5. Select and changing road type.

CITY Mode
In CITY mode the 3Zero will ignore any alert generated via GPS that is actually located on a motorway and is in range of your device but not an immediate threat to you, as you are not actually travelling on that section of road.

Laser alerts remain unaffected when selecting this mode.

MOTORWAY Mode
In Motorway mode the 3Zero will ignore any alert generated via GPS that is not actually on a motorway and is within range of your device but not an immediate threat to you as you are not actually travelling on that section of road. If your speed drops below 20mph the device will sound an audible alert and the message 'Road Ch?' will be shown on the display to remind you that you may no longer be travelling on a section of motorway and may need to change the mode to 'CITY' or 'ALL'. Laser alerts remain unaffected when selecting this mode.

ALL Mode
In ALL mode the 3Zero will detect all alerts generated via GPS that are within the selected range of the unit. If you were travelling on a section of motorway for instance it would mean that the unit could alert to locations situated on an 'A' road that are near to the motorway. As it is not on the road you are travelling however, it is not a threat and you might prefer to select the 'Mway' setting so that the unit would ignore unwanted alerts located via GPS. Laser alerts remain unaffected when selecting this mode.

PLEASE NOTE: Whilst in CITY mode the device will not detect any locations located on a motorway. When the unit is in Motorway mode the unit will not detect any locations located on 'A' roads so you need to remember to change modes when leaving an 'M' type road.

6. Cancel Button

If during an alert you decide that you would like to cancel it simply press and hold the MUTE/MENU button. The display will automatically return to the Standby screen and the device will be ready to alert you to the next GPS coordinate or laser source.

7. Alert Pattern

Fixed Speed Safety Cameras
As you approach a fixed speed safety camera the unit will begin to emit a voice alert or your chosen audible alert (either a Soft or Hard 'beep') at a preset alert distance. At the same time the display will indicate the distance remaining in 50 metre increments to that location.

SPECs Safety Camera Systems

Due to the fact that the SPECs system incorporates a series of cameras that monitor a vehicles speed over a fixed distance, a different alert pattern has been devised to ensure that your concentration is maintained throughout the danger zone.

When approaching the first camera in the SPECs system your 3Zero will begin to alert you at your chosen preset alert distance with the display indicating 'SPECs Str' and emitting either a voice or your chosen audible alert. The display will then change to indicate the speed limit at this point and then count down the remaining distance in 50 metre increments to the location of the camera.

Once you have passed the first camera the unit will then emit an audible alert and will alternate the display showing 'SPECs' and the speed limit every five seconds to remind you that you are still within the SPECs system.

Whilst travelling within a SPECs series, your 3Zero will provide both an audible and visual alert 250m before each camera. If after twenty seconds you do not pass another camera, the alert will automatically 'Time Out' and the alert will finish. If the unit 'Times Out' and you then approach the next camera in the SPECs series however, the unit will alert you to that location at your preset alert distance.

When you have passed the last camera in the series the display will indicate 'SPECs End'.

Please Note: If you join a road in the middle of a SPECs series 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/CANCEL button to temporarily turn off the sound. If at any time you would like to stop the alert, simply press and hold the MUTE/CANCEL button.

Laser Alerts

The 3Zero incorporates a built-in laser detector. As laser often requires instant action the device simply gives you an audible or voice alert whilst the display will flash 'Laser'.

As GPS is not used to locate laser, it is impossible to indicate the speed limit or count down accurately the distance to a location in metres during a laser alert.

If you would like to change the alert to a visual alert only press the MUTE/MENU button to temporarily turn off the sound. If at any time you would like to stop the alert, simply press and hold the MUTE/MENU button.

How Laser works

LASER stands for Light Amplification by Stimulated Emission of Radiation

The laser speed gun uses a method that relies on the reflection time of light. You have probably experienced the reflection time of sound waves in the form of an echo. For example, if you shout down a well or across a canyon, the sound takes a noticeable amount of time to reach the bottom of the well and travel back to your ear. Sound travels at approximately 1,000 feet (300 meters) per second, so a deep well or a wide canyon creates a very apparent round-trip time for the sound.

A laser speed gun measures the round-trip time for light to reach a car and reflect back. Light from a laser speed gun moves a lot faster than sound --about 984,000,000 feet per second (300,000,000 meters) or roughly 1 foot (30 cm) per nanosecond. A laser speed gun shoots a very short burst of infrared laser light and then waits for it to reflect off the vehicle. The gun counts the number of nanoseconds it takes for the round trip, and by dividing by 2 it can calculate the distance to the car. If the gun takes 1,000 samples per second, it can compare the change in distance between samples and calculate the speed of the car. By taking several hundred samples over the course of a third of a second or so, the accuracy can be very high.

The advantage of a laser speed gun is that the size of the "cone" of light that the gun emits is very small, even at a range like 1,000 feet (300 meters). The cone at this distance might be 3 feet (1 meter) in diameter. This allows the gun to target a specific vehicle. A laser speed gun is also very accurate. The officer has to aim the laser speed gun at a specific target therefore the officer will only target your vehicle if the officer deems that you are speeding.

How Does Police Laser (LIDAR) Work?

LIDAR is an acronym for **L**ight **D**istance **A**nd **R**anging. A LIDAR gun emits a highly focused beam of invisible light, in the near infrared region of light that is centered at 904nm of wavelength and is only about 22 inches (56cm) in diameter at 1000 feet (300m). Unlike RADAR which directly determines a vehicle's speed by measuring its Doppler shift, LIDAR calculates speed by observing the changing amount of time is takes to "see" reflected pulses of light over a discreet amount of time.
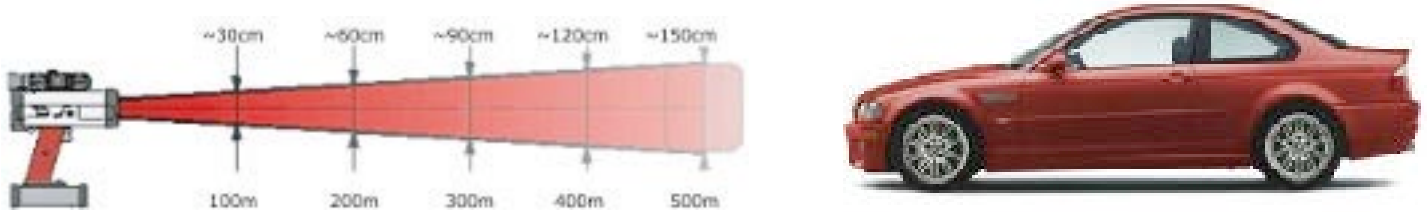
Radar Alerts

The 3ZERO has been designed to detect a number of different radar bands including K, Ka, Ku and X band. When the unit detects one of these three frequencies the display will show the radar band type plus display the signal strength. As you drive closer to the signal the unit will beep faster and the display will indicate that you are getting closer by displaying a series of signal strength blocks.

Switching the radar bands on and off.

The 3Zero comes with only the K band radar frequency switched on as standard. To switch other frequencies on or off, enter the Menu by pressing the MUTE/MENU button and then scroll through the menu using the UP/DOWN button. Press the SELECT button when you see the radar frequency you want to change. Using the UP/DOWN button you can switch the radar band on or off. Press the SELECT button to confirm your selection.

8. Saving New Coordinates

If in the unlikely event that you pass the location of a fixed speed safety camera and your 3Zero does not provide you with an alert, you have the opportunity to store the coordinates of the location manually. Simply park safely as close as possible to the site and press and hold the 'New Location' button for approximately two seconds. If the voice setting on your unit is switched on the unit will confirm 'User data stored' and the screen will display 'M' and the number of that location in your unit's memory.

You may also wish to use this feature to store your own 'high risk zones' or 'accident black spots'.

When you next pass that location again your 3Zero will now alert you to that location. As the unit does not know what type of system you are passing the unit will display 'User Pnt' and give either a voice alert stating the location as a 'Risk zone' or your chosen audible alert. Your unit can hold up to a maximum of 99 coordinates in its memory

Troubleshooting – Saving New Coordinates

When you attempt to save a new coordinate but the display reads 'Weak Sig' it means that your 3Zero is not receiving sufficient signal strength to plot the position. Please ensure that the 3Zero built-in GPS antenna has a clear view of the sky, the unit is displaying the standby screen and try again.

When you attempt to save the new coordinate and the display reads 'Mem Full' it means that the memory in your 3Zero is completely full. If you want to store any different coordinates you will have to either delete some or all of the existing coordinates stored in the unit's memory.

9. Deleting Stored Coordinates

If you would like to delete any of the coordinates you have stored in your units memory simply enter the units Menu by pressing the MUTE/MENU button for approximately two seconds. When 'Pre-Alert appears on the display use the UP/DOWN button to scroll through the Menu options until you see 'MEM Edit' and press the SELECT button.

Using the UP/DOWN button you can select two further options of either 'Sel clr' or 'All clr'. If you want to delete all the coordinates at once select 'All clr' and then press the SELECT button. The display will show 'All Clr?' press SELECT again to confirm your selection. Once all the coordinates have been cleared the display will read 'Cleared'. If you would like to delete a specific coordinate then you will need to select option 'Sel clr' and then using the UP/DOWN button scroll through the list of stored coordinates until the one you would like to delete is showing on the display and press the SELECT button. The screen will read 'Cleared' to confirm the coordinate has been deleted.

Features and Settings

Your 3Zero has many different features and settings that you can adjust very easily.

To access the Menu of the user options press and hold the MUTE/MENU button. Use the UP/DOWN button to scroll through the options and then select your desired menu item by pressing the SELECT button.

Please Note: If you would like to exit the Menu at any time press and hold the MUTE/MENU button for approximately two seconds. If you do not press any buttons for a period of five seconds the unit will automatically exit the Menu and return to the Standby display.

The following menu options are available on your unit. Press SELECT once your desired option is displayed.

1. Tone

There are three audible settings to choose from, a Hard Tone, a Soft Tone or Silent (Off). To select your desired setting press the UP or DOWN button to scroll through the options available. Once you have chosen your preferred setting press the SELECT button.

2. Laser

This setting allows you to turn the Laser OFF or ON.

To adjust the Laser setting press the UP/DOWN button to scroll up or down through the options. Once you have chosen your desired setting press the SELECT button.

3. Warn Sel

The 3Zero allows you the option of choosing whether or not you would like to receive advanced warnings of Primary Schools (Schools are time sensitive on the 3Zero – 08:00-09:30am, 12:00-13:00 and 15:00 to 16:30) and areas such as Accident Black spots that may not currently have Speed Trap's installed near them but which are still considered High Risk Zones. Schools and High Risk Zones can be selected independently by following these instructions.

To adjust these settings use the UP/DOWN button to go through the options (School, Risk zone or Others) then press SELECT. Use the UP/DOWN button to select 'ON' or 'OFF' then press SELECT to confirm the setting.

4. Bright

There are three settings that you can choose from for the brightness of the LED display. They are Bright, Dark or Dim.

To adjust the brightness press the UP/DOWN button until your preferred setting is displayed then press the SELECT button.

5. Set Time

The 3Zero can be configured to display the time on the Standby Screen. This reading is generated in Greenwich Mean Time (GMT) directly from the satellites and is completely accurate. However it does not automatically adjust for British Summer Time (BST) and is required to be adjusted manually. The device is supplied with the factory default setting of 'GMT + 0'.

To increase the time difference from GMT press the UP/DOWN button until you reach your desired setting then press the SELECT button.

To reduce the time difference from GMT press the UP/DOWN button until you reach your desired setting then press the SELECT button.

6. Voice

The 3Zero has a selectable voice alert, which means that if you have this setting activated your unit will tell you exactly what you are approaching without you having to take your eyes from the road. This setting is switched 'ON' by default.

To alter the settings for voice alerts press the UP/DOWN button until your preferred setting ('Voice ON' to switch voice alerts on or 'Voice OFF' to switch voice alerts off) is displayed then press the SELECT button.

7. MEM Edit

It is possible to add and edit your own personal locations on your 3Zero. To add a new location make sure you are stationary and parked in a safe, legal manner then press and hold the 'New Location' button for approximately two seconds.

To view your saved coordinates use the UP/DOWN button to scroll up or down through the options until 'Sel clr' is displayed, then press the SELECT button. You can scroll through your saved coordinates by using the UP/DOWN button. Please note that if you press the SELECT button at any time whilst in this option it will automatically delete the coordinates displayed. Any coordinates stored will be listed in numerical order – MEM 01, MEM 02, MEM 03 etc. Use the UP/DOWN button to scroll up or down to view your stored coordinates.

If you wish to clear all your personal locations press the SELECT button when 'All Clr' is displayed. The unit will display the message 'All Clr?' press the SELECT button again and the unit will confirm that they have been deleted.

8. Smart

The Smart Mute setting provides an alternative alert when approaching a fixed speed safety camera. If you are travelling below the posted speed limit the unit will provide an audible and visual alert but as the unit counts down the distance to the fixed speed safety camera the rest of the alert will be a visual alert only. If you are travelling above the posted speed limit you will receive both an audible and a visual alert as normal. Once you drop below the posted speed limit for that fixed speed safety camera the audible alert will cease and the unit will only provide a visual alert.

To adjust the Smart Mute setting press the UP/DOWN button to select your preferred setting of either ON or OFF and then press the SELECT button.

9. Speed Limit (Lmt)

This safety feature has been designed to let you programme your 3Zero to alert you when you reach any speed you choose. For instance you could set your unit to alert you when your speed reaches 30mph so that you never accidentally stray over the speed limit.

To set the speed limit alert, press the UP/DOWN button until 'ON' is displayed and press the SELECT button. Then using the UP/DOWN button you can increase or decrease the speed that you would like to be alerted to. Once you have chosen your desired setting press the SELECT button.

To turn the Speed Limit feature OFF press press the UP/DOWN button until OFF is displayed then press the SELECT button.

10. Speed Unit

This feature allows you to choose which speed measurement method you prefer either miles per hour (MPH) or kilometres per hour (km/h). The device is supplied with MPH turned on as the factory default setting.

To adjust the speed measurement type use the UP/DOWN to select your desired speed measurement type. Once you have chosen your desired setting press the SELECT button.

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11. Pre-Alert Setting

The pre-alert setting allows you to adjust the distance that your 3Zero will alert from to a fixed speed safety camera when utilising GPS. You can set your pre-alert distance in 50 metre increments from 100m to a maximum of 1000m or alternatively you can select a new feature - 'Auto Range'.

Auto-range simply selects the correct alert distance to each camera detected depending on the speed limit of the road the camera is situated on. The different alert distances are shown below.

Detection distances for Fixed Cameras and High Risk Zones

Speed Limit	Pre-Alert Distance
20mph	250m
30mph	300m
40mph	350m
50mph	400m
60mph	700m
70mph	700m

Motorcycle Installation

The 3Zero can be installed on to a motorcycle. An ear piece is available as an optional extra so that audible alerts can be heard.

Instructions for mounting the 3Zero are as per the installation guide on pages 11 to 13. Remember however that the 3Zero is not waterproof so needs to be mounted within a tank bag or other waterproof holder. Always remember that in order for your 3Zero to work effectively the unit needs to be positioned so that the built in GPS antenna has an unobstructed view of the sky. If you require any further advice please visit our website www.snooperneo.co.uk

Troubleshooting 3Zero

Downloads

If you are having difficulty performing a download to your 3Zero you should consult the following checklist first before contacting technical support. If you are still unable to perform a download after following this checklist then please contact our Technical Helpline on 0333 240 1000 and select Option 3. There is also additional help available on the **www.snooperneo.co.uk** website.

This guide is in two sections; the first section is a list of things to check before performing a download and the second section consists of possible reasons and solutions to error messages encountered while trying to perform a download.

SECTION ONE

1. Have you registered your 3Zero?

You will not be able to download the database unless the 3Zero is registered. Please register online at www.snooperneo.co.uk.

2. Is the USB computer cable supplied with the 3Zero connected correctly?

Please check that the USB lead is plugged into the USB socket on the 3Zero and is fully plugged in as far as possible. Check the computer USB connection is secure.

3. Have you installed the USB drivers correctly for the USB cable?

When you first connect the 3Zero to the PC using the USB lead provided the 'Found New Hardware' wizard will launch and you may need to select 'Install the software automatically (Recommended)' for the wizard to complete the USB driver installation.

4. What operating system are you using on your computer?

The Snooper download software will only work on the following Windows operating systems: Windows XP, Windows Vista , Windows 7, Windows 8 and Windows 8.1. **THE SOFTWARE WILL NOT WORK ON WINDOWS 95/98, 98SE, Millennium and Win 2K. Apple Macintosh is not supported. Windows XP 64bit systems are not supported.**

To determine which operating system you have on your computer:

a) Right click on the 'My Computer' icon on your desktop and select 'Properties' from the drop down menu.

b) When the 'System Properties' dialogue box opens the 'General' tab is selected by default. Under the heading 'System' the operating system is displayed.

c) If you do not have a 'My Computer' icon on your desktop (common in Windows XP) click on 'Start' and two columns will appear. In the right hand column you will see the option of 'My Computer'. Right click on this option as instructed in (a) above.

5. Have you installed the Snooper download software onto your computer?

If you have not installed the software you will not be able to perform a download to your 3Zero. Once the software is installed there will be a new icon on your desktop: '3Zero Updater'. Please check to see if you have the latest version of this software by visiting www.snooperneo.co.uk and clicking on the link 'Download software'.

6. Have you connected the computer to the internet?

The computer needs to be connected to the internet before you can begin to download the database to your 3Zero. Please make sure that your internet connection is established and that you have signed in to your broadband account (if required).

SECTION TWO

This section is for supplying possible reasons and solutions to problems you may be experiencing whilst trying to download the database to your 3Zero. If after going through section one you are still experiencing difficulty or have received an error message please read through the following:

ERROR MESSAGE – 'Error 521 - There was a problem connecting to the Performance Products server'

If you get an error message similar to the one above this normally means there is something blocking communication between the software, most typically a firewall, and our server. Windows XP and Vista are supplied with a firewall as standard.

If you have a Firewall on your computer the software may appear to hang and your Firewall software will inform you that the Updater software is trying to access the internet. Please make sure that you grant/allow/permit /unblock access through the Firewall. Please read the messages supplied by your Firewall software carefully before choosing your option. If you do not allow the program to access the internet through the Firewall, the download process will fail.

If no message was prompted by the firewall software uninstall and then re-install the software and perform a download again.

Warning: We do not recommend disabling your firewall software in order to perform a download to your 3Zero nor can we advise how to alter the settings on third party software nor can we be held responsible for any action taken by the computer user that makes the computer more vulnerable to viruses and computer hackers. Any changes made to the computer firewall settings are at the user's discretion. We would recommend contacting the third party software manufacturer for information of how to configure the firewall software.

Other Problems

The unit cannot be switched on

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

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 intact.

The unit cannot acquire satellite connection

Check that the 3Zero's built in GPS antenna has a clear view of the sky above.

If this is the first time you have powered up your 3Zero please remember that the first 'cold' start can take up to 30 minutes to acquire sufficient satellite connection. The unit requires time to calibrate and you will find that with subsequent use that the time for acquiring satellites will reduce. Eventually the unit should take approximately 90 seconds to acquire satellite connection.

Disconnect and reconnect the power to the unit and start the power up procedure again.

Check that the windscreen has not been specially treated to reflect UV rays (Metal Oxide, Athermic, solar reflective). Please check with the local vehicle dealer or manufacturer to ascertain what type of windscreen is fitted to your vehicle. If you do have this type of windscreen place the 3Zero where there is a clear section of glass usually situated near the rearview mirror or near the centre of the windscreen just above the dashboard. If you do not have clear section on the windscreen then unfortunately the 3Zero will not work in that vehicle.

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 then 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 you to loosing a signal. This should last no longer than a few minutes.

If you have a specially treated windscreen some manufacturers leave a small section of the windscreen untreated. If the unit is not positioned properly in this untreated area then the unit may loose satellite signal frequently. Reposition the unit within this untreated area.

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 coordinates stored on your device.

Check that the unit is positioned in such a way that the lens has a clear view of the road ahead and is unobstructed by any metallic objects (such as windscreen wipers). The laser lens at the rear of the unit, this must also be unobstructed.

Specification

General

Power requirements	10 – 16V DC, 310mA (Negative Ground)
Temperature Range	4 to 158°F (-20 to 70OC)

Dimensions

Width	80mm
Depth	105mm
Height	25mm

GPS

GPS Receiver	50-channel Receiver
Acquisition Times, Hot	< 20 sec typical
Warm	< 60 sec typical
Cold	< 120 sec typical
Time to Initial Fix	-144dBm typical
Tracking Sensitivity	-160dBm typical
Update Rate	1/sec

RD

X-Band Sensitivity	-105/-103dB
K-Band Sensitivity & Safety Alert	-112/-110dB
Ka-Band Sensitivity	
(33.800 GHz)	-105/-103dB
(34.300GHz)	-105/-103dB
(34.700GHz)	-105/-103dB
(34.940GHz)	-105/-103dB
(35.500GHz)	-105/-103dB
Ku-Band Sensitivity (13.435 GHz)	-90/-88dB
Laser Sensitivity (Front)	-125/-122dBJ

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Snooper Accessories & Price List

The following accessories are available from your local Snooper dealer. For further details please visit **www.snooperuk.com**

2m Straight power lead with cigarette lighter adaptor	£12.99
2m Straight hard wire lead with fuse	£12.99
Windscreen mounting bracket	£12.99
USB PC connection lead	£12.99

Disposal of Old Electrical & Electronic Equipment (applicable in the European Union).

This symbol on a product or its packaging indicates that this product shall not be treated as household waste. It should be handed over to an applicable collection point for the recycling of electrical equipment.

By ensuring that this product is disposed of correctly you will help/prevent potential negative impact on the environment. The recycling of materials will help to conserve natural resources.

For further details about recycling please contact your local civic office or the shop where it was originally purchased.

Service under Warranty

Your 3Zero comes with a standard one year manufacturer's warranty.

If, for some reason, your unit requires service under warranty return your 3Zero, via special delivery (insured) and in suitable packaging to:

The Returns Department
Performance Products Limited
Cleaver House
Sarus Court
Manor Park
Cheshire WA7 1UL

Enclose the following information:

(a) Your name, address and a full description of the problem.

(b) A telephone number where you can be reached during business hours.

(c) Your units' serial number.

(d) A copy of the proof of purchase.

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