



## **‘Snitcher’ The Text Alert User & Installation Guide**



**[www.datatool.co.uk](http://www.datatool.co.uk)**



## Snitcher

### Installation Instructions

**IMPORTANT: Register your Snitcher 'Text alert' system onboard SIM before installing and/or powering up the system** (see setup and operating instructions).

**The system must be commissioned within 24 hours of Registration.**

#### Unit location

As the control unit has a remote antenna the unit can be mounted within frame work. The control unit has its own movement sensor, it is at its most effective if mounted on a 'flattish' surface.

The control unit can be fixed into position using cable ties or by using the molded pre-holed "feet".

When positioning take into account cable routing and access to the required connections (see: **Wiring**).

**Do not mount close to or onto machines exhaust or other components likely to generate excessive levels of heat, this will damage your Snitcher.**

#### Antenna location

The antenna can be fixed into position with either its own self adhesive backing or with suitable cable ties.

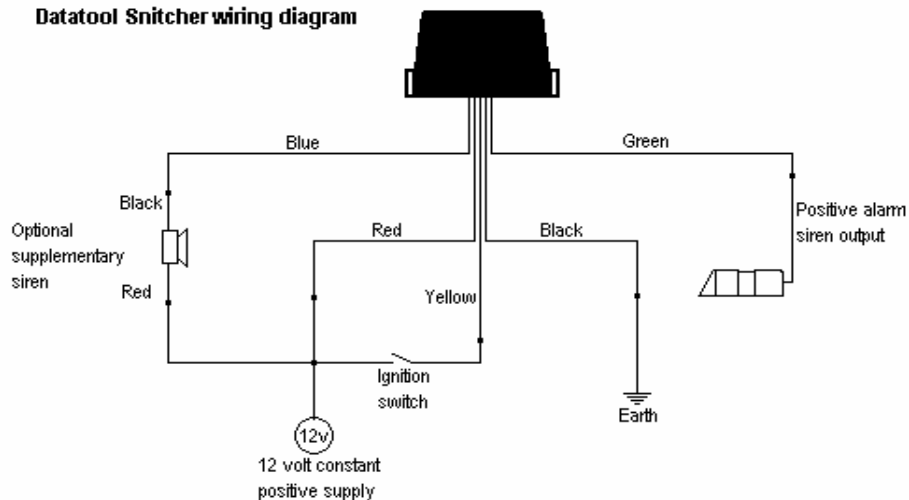
The antenna must not be mounted on any metal surface and must be external to any metal framework where possible.

**Do not mount close to or onto machines exhaust or other components likely to generate excessive levels of heat.**

The antenna cable length has been "tuned" and must therefore not be cut back or modified, and where possible try to avoid running alongside the existing motorcycle wiring loom.

When the screw connection to the main unit has been made it should be protected by using self amalgamating weather resistant tape or a suitable sized heat shrink.

## Wiring



### Basic installation

<b>Red</b>	<b>Constant live</b>
<b>Yellow</b>	<b>Ignition controlled live</b>
<b>Black</b>	<b>Earth</b>

The basic wiring of the Snitcher requires access to a constant live, an ignition controlled live and an earth. We recommend that both the connections to the constant live and the ignition controlled live are on the fused side of each respective circuit, and that the switched live is taken from a non-run critical circuit, (e.g. the brake light circuit). The earth taken should be an electrical earth not a mechanical or frame earth. **Soldered joints are recommended, protected with self amalgamating weather resistant tape or a suitable sized heat shrink.**

### Advanced installation

<b>Green</b>	<b>Triggered via the alarm</b>
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If you have an alarm system fitted to your machine and it has an extra siren output it is possible to link this to the Snitcher so the alarm can be used as an extra trigger input.

The Snitcher has to be configured to match the type of output coming from the alarm (positive or negative). The Datatool alarm system gives a POSITIVE output when sounding and this is the default setting for the Snitcher. Should your alarm system have a negative extra siren output the Snitcher can be adjusted to respond to this via a text message.

It is best to commission the Snitcher and then configure the input trigger before connecting the Green wire to the siren output of the alarm.

Texting #INN to the Snitcher changes the trigger input required by the unit to NEGATIVE.

Texting #INP to the Snitcher reverts the trigger input required by the unit back to POSITIVE.

<b>Blue</b>	<b>Optional siren negative (Pt. No. 02012004)</b>
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This wire can be connected to a supplementary siren. A positive connection is made to the positive side of the siren (normally a red wire on the siren) and the blue should be connected to the negative side of the siren (normally a black wire on the siren). The Snitcher will sound the siren on command. The maximum output from this wire is 400mA. If the wire is not used it should be fully insulated to prevent shorting.

## **Snitcher Set Up & Operating Instructions**

### **Registering The On Board SIM**

**Before calling to register, have your Snitcher paperwork and a pen to hand and be aware that a memorable password will be required.**

The SIM card within this unit is activated in the same way as you would activate any pay as you go mobile phone SIM. Please call **0800 0797979** to register your the SIM.

Tell the operator you want to register a 'pay as you go' SIM card.

The operator will talk you through your registration step by step and also register your Orange "top up" card.

Once registered and installed, the Snitcher will automatically log onto the network and deal with all the initiation text messages Orange send.

Be sure to record your allocated mobile number and account password in the appropriate boxes at the rear of this of the user guide.

### **Getting Started**

Your own mobile is referred to as the "host" and this must be used when communicating with the Snitcher.

Once the registration has been completed and the unit fully installed, switch on the motorcycles ignition for thirty seconds.

Now text #x5990a\* from the host mobile (the pin code as found on the rear cover of your user guide). If successful the Snitcher will respond with a test message to the host reading "**Unit Programmed Successfully**".

Any text information sent by the Snitcher will now be sent to the host mobile.

### **Reading Trigger Texts And Sending Instructions**

The Snitcher arms fifteen seconds after the ignition supply has been turned off. Any trigger from then will be sent to the host mobile as a 'text alert' (see table 1 for an explanation of the received text).

The Snitcher can also be programmed and triggered from the host (see table 2 for an explanation of the commands). This can only be done within thirty minutes of the ignition supply being switched off, within thirty minutes of the last text message or any time that the ignition supply is turned on.

The unit can only receive any communication within thirty minutes of each of these actions as after this period of time it returns to a "sleep mode", this mode will not affect the response to any trigger.

**For security reasons, please test the system every 3 – 4 months by triggering movement detection or the external input.**

## Text warning messages (Table 1)

Message No.	Event	Message	Cycle	How To Reset
1	Motorcycle movement.	ALERT! Movement Sensor Activated.	If movement continues this message will be sent a maximum of three times at thirty second intervals.	Switch ignition supply on OR text "RESET" to Snitcher.
2	Trigger Input	ALERT! Alarm Activation	If trigger input continues this message will be sent a maximum of three times at thirty second intervals.	Switch ignition supply on OR text "RESET" to Snitcher.
3	Motorcycle battery level drops below ten volt threshold	ALERT! Low Battery	This message will only be sent once. The Snitcher will then switch itself off to save battery power	Recharge motorcycle battery

**Please note:** In the event of three movement or trigger output alerts the Snitcher will automatically switch on the GSM modem and enter "Lock Mode". This mode increases the accuracy of the location service (see [www.datatool.co.uk](http://www.datatool.co.uk) for details) and will allow the Snitcher to constantly update its location. "Lock Mode" can be cancelled by simply switching the ignition supply on or by texting "RESET" from the host.

## Text commands (Table 2)

Text	Action
#x5990a*	This is the factory set pin number for your Snitcher. When sent, this will initiate the sending mobile as the "host".
#x5990a*----	By substituting the "----" with your own chosen four digit number you can replace the factory set pin and personalize the Snitcher's pin number.
?	This will prompt a report on the signal strength. Values range from 0 to 31, 31 being the higher strength. A typical response is strength 7-15.
OPN	No siren output at any time.
OPC	Constant siren output .
OPY	Siren output for 30 seconds, pulsing 1 second on then 2 seconds off, then reverting to OPN.
#MSY	The Snitcher's internal movement sensor is enabled.
#MSN	The Snitcher's internal movement sensor is disabled.
#MSH	The Snitcher's internal movement sensor is set to its high sensitivity setting.
#MSL	The Snitcher's internal movement sensor is set to its lowest sensitivity.
#ALN	The Snitcher will ignore any input from the Green external input wire.
#ALY	The Snitcher will respond to any input from the Green external input wire.
#INP	The Snitcher is configured to respond to a POSITIVE trigger input from the Green wire
#INN	The Snitcher is configured to respond to a NEGATIVE trigger input from the Green wire
#ALYC	The Snitcher will trigger if the Green external input wire is disconnected from the external device.
VALET	The Snitcher will ignore the movement sensor and external input allowing the machine serviced. The unit will remain dormant until RESET has been text from the host.
RESET	This will clear VALET mode, the movement sensor and external input counters, the 30 second timers and switches off the #GSMP mode
#GSMP	The GSM module is switched on, this is for vehicle location only (see <a href="http://www.datatool.co.uk">www.datatool.co.uk</a> )

The preset factory setting is #MSY (movement sensor enabled), #MSL (lowest sensitivity) and #ALY (external input enabled). #MSH is recommended for winter storage only.

## **Snitcher Frequently Asked Questions**

### **Snitcher will not respond to movement, why? :**

- a. Check that the onboard SIM has been registered correctly and the account is in credit.
- b. The ignition must be turned off to allow the fifteen seconds before the system sets fully.
- c. The host mobile signal is weak or turned OFF.
- d. The internal movement sensor is turned off.

### **Snitcher will not respond to the external trigger input, why? :**

- a. As above a, b and c.
- b. The external input device has failed.
- c. The connection to the external input device has failed.

### **How do I check the signal strength in the area? :**

- a. Make a voice call to Snitcher, if the call diverts to voicemail as soon you call, the signal is poor.
- b. Text "?" to Snitcher and text back a signal strength if there is service.

### **Is there a cost involved when Snitcher sends a message? :**

Messages from Snitcher in the U.K. are currently charged at the standard Orange rate of 12p per text (Please note this charge is controlled by Orange so may vary according to their service charges. The above charge was correct 01.10.05).

### **Will Snitcher work when I am abroad? :**

Snitcher will roam, check with Orange for details on coverage and roaming charges.

### **Can I change the Snitchers pin code to a more memorable number? :**

The four numbers in the pin code can be changed, text the current pin number complete followed by the four new numbers to Snitcher. Eg." #X5990A\*1234" will change the pin code to "#X1234A"

### **Is the text case sensitive? :**

The text can be sent in upper or lower case. The message must just be constructed correctly without any spaces.

### **If I change my host mobile how will I know if it has been programmed correctly? :**

After you have texted your pin code to the Snitcher you will receive a message saying "unit programmed successfully". If you do not receive the confirmation text, check and resend the pin code.

### **What if I loose my TOP UP card? :**

TOP UP cards are available from any Orange top up outlet, then call Orange direct on 07973 100 450 to register the new card.

### **How can I find out how much credit I have left on the Snitcher? :**

Call Orange direct on 07973 100 451 and listen to the automated service.

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or call 0870 746 1905/06

Visual Locations - Microsoft Internet Explorer

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Address [www.datatool.co.uk](http://www.datatool.co.uk)

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### Zoomable Maps

The mobile number xxxxxxxxxx is estimated to be within 652 metres from the circle shown below.

Zoom

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## Snitcher Registration information

To register your SIM card call Orange Tel No. 08000 79 79 79
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**IMPORTANT: Register your Snitcher onboard SIM before installing and/or powering up the system**  
(see setup and operating instructions).

The system must be commissioned within 24 hours of Registration.

Please record your Snitcher telephone number here This number will be issued by Orange as you register

Personal password

Identity code number

IMEI Number

SIM Card Number