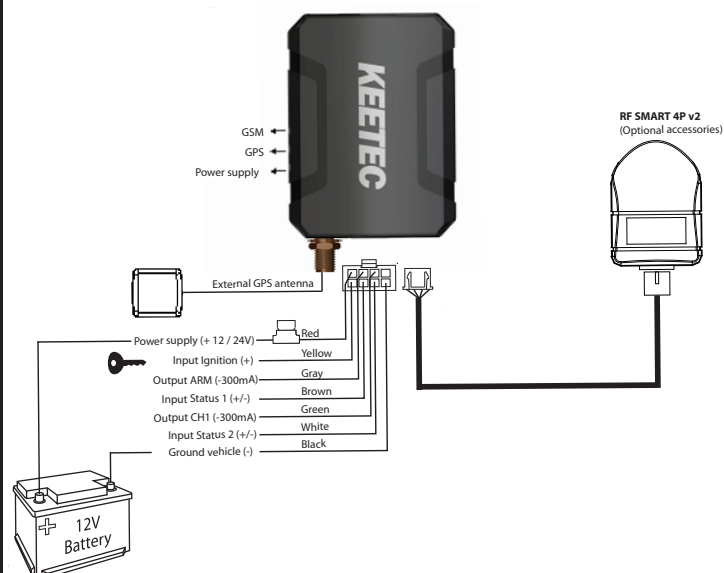


I. SYSTEM DESCRIPTION

GPS SNIPER MAX helps you secure and protect your vehicle (car / truck, motorcycle, caravan, construction / agricultural machine, motor boat, etc.). If the guarded vehicle is stolen, GPS SNIPER MAX will send you the current position to your mobile phone. You can also view the position of the guarded vehicle via PC and website <http://maps.google.com>. GPS SNIPER MAX has its own number after you put sim card into the unit (not included of the package).

II. WIRING DIAGRAM



WIRING :

Red wire - Input Power + 12 / 24V

Yellow wire - Input Ignition (+) is connected to a wire with + 12V at the time when the ignition is switched on in the vehicle.

Gray wire - ARM output (-) is an alarm output that is active at the same time then the alarm is triggered from the tilt sensor or the jammer is detected.

Brown wire - Input1 (+/-) is a universal input - it can be configured as part of security, for example, connection to a car alarm

Green wire - Output 1 (-) is optional output with device status information (ACTIVATED / DISABLED)

White wire - Input2 (+/-) is a universal input - can be configured as part of security

Black wire - Vehicle ground input

III. SYSTEM SETUP

GPS SNIPER MAX is configured by using a sms commands. The configuration command is always send together with a PIN code which authorizes acces for an authorized person. The PIN is a four-digit number and can be changed. Default PIN code is set to **4321**. If you send wrong command, GPS SNIPER MAX will reply with a text message UNKNOWN COMMAND. Configuration SMSs can be merged into one long SMS by entering the PIN only once, for example „4321 PIN xxxx SPEED xx INPUT ON“. There must be spaces between the parts of a multiple command.

1. HOW THE ENTER AUTHORIZED PHONE NUMBERS FOR ALARM SMS

You can control this device by using those numbers also at the same time they will be used for SMS notification of triggered alarm.

Command format:

4321 TEL +xxxxxxxxxxx +yyyyyyyyyy +zzzzzzzzzzz

+x -the first authorized number in international format

+y -the second authorized number in international format

+z -the third authorized number in international format

2. SET PERIOD FOR SENDING SMS WHEN GPS ALARM IS TRIGGERED

Command format:

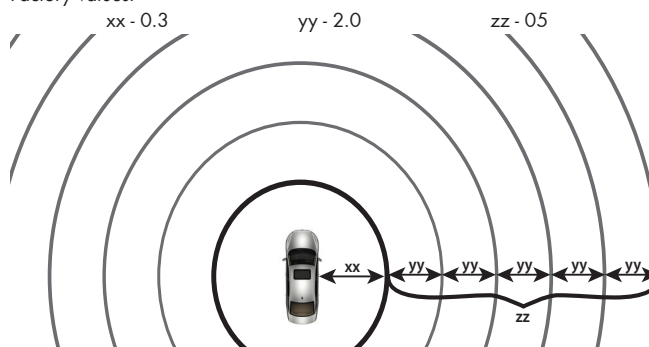
4321 SMS xx yy zz

xx -indicates distance after (in km) the first SMS alarm is sent

yy -indicates the distance (in km) between repetitive SMSs when changing position

zz -indicates total number of alarm SMS sent per GPS alarm

Factory values:



3. CHANGE THE PIN CODE

Command format: 4321 PIN xxxx (xxxx - new PIN code)

Default PIN: 4321

4. CONFIGURATION OF ALARM TEXT MESSAGES SEND BY DEVICE

Default SMS text:

“ALARM! MOTION DETECT” - if motion is detected

“ALARM! IGNITION IS ON” - if ignition is turned on

“ALARM! SPEED is xxkm/h” - ower speed detection (xx is the current speed)

“ALARM! TILT SENSOR” - if tilt changed

“ALARM! INPUT ON” - if input 2 activated

“ALARM! GSM SIGNAL INTERFERENCE” - for GSM signal interference

“ALARM! BATTERY HAS xxV” - for a low battery (xx is the value in volts)

Command format:

4321 TEXT1 xxxxxxxxxxxx (xxxxxxxxxxxx alarm text for motion detection)

4321 TEXT2 xxxxxxxxxxxx (xxxxxxxxxxxx alarm text for ignition on)

4321 TEXT3 xxxxxxxxxxxx (xxxxxxxxxxxx speed alarm text)

4321 TEXT4 xxxxxxxxxxxx (xxxxxxxxxxxx tilt alarm text)

4321 TEXT5 xxxxxxxxxxxx (xxxxxxxxxxxx alarm text for active input 2)

4321 TEXT6 xxxxxxxxxxxx (xxxxxxxxxxxx GSM alarm text)

4321 TEXT7 xxxxxxxxxxxx (xxxxxxxxxxxx Low battery alarm text)
- it will be automatically attached to the text “xxV” (voltage value in volts)

6. REQUESTING INFORMATION ABOUT GPS SNIPER MAX CONFIGURATION

Command format:

4321 CONFIG - After sending the CONFIG command, you will receive an information SMS with the current configuration from the GPS SNIPER MAX. The user receives information about the set parameters.

CONFIRM : OFF	Confirmation SMS - disabled
PIN : 4321	Current PIN code
SPEED : 5	Setting the maximum speed
TILT : 5	Set tilt level
JAMM : OFF	jamming check off
INPUT : OFF	Alarm input deactivated
BAT : 11.5	SMS send at V=11,5V
OUT1 : ARM/ PERMANENT	Output settings 1
OUT2: 60	Output settings 2
SMS DISTANCE: 0.1 1.0	GPS alarm distance setting
SMS CNT :5	Number of alarm SMS messages at GPS alarm
GPS: OFF	GPS protection: off
RING: OFF	Ring alert: off
CONFIRM MONITOR: ON	Confirmation SMS about MONITOR activation and de-activation
FWD: OFF	SMS forwarding: off
GPRS: OFF	Data transfer: off
TIMEZONE: +2	Time zone: +2

7. REQUEST INFORMATION ABOUT AUTHORIZED PHONE NUMBERS

Command format:

4321 CONFIG TEL

The device will send back an SMS in the form:

TEL NUMBER:

+xxxxxxxxxxxxx

+yyyyyyyyyyy

+zzzzzzzzzzz

8. REQUESTING GPS POSITION AND DEVICE STATUS INFORMATION**Command format:**

4321 ?

The device will send back an SMS in the form:

<http://maps.google.com/maps?q=48.970333,18.188774>

GSM : SIGNAL OK (or NO SIGNAL)

GPS : SIGNAL OK (or NO SIGNAL)

BATTERY : 13,5V

ALARM : NO

INPUT : OFF

OUT1 : OFF

SPEED : 0km/h

IGN : OFF

MONITOR : OFF

19.08.20 12:14: 30GTM +2

9. RESET - RESTORE FACTORY SETTINGS**Command format:**

4321 DEFAULT or switch on the ignition and connect/disconnect the power 5 times.

Sets all parameters to the factory settings. After the command has been sent, the device is fully initialized and you must wait at least 2 minutes until the device is ready to receive other commands. This feature does not affect the PIN you set.

IV. GPS LOCATOR USER FUNCTIONS**1. PROTECTION**

GPS SNIPER MAX can be used independently or in connection OEM or aftermarket with a added alarm.

INDIVIDUAL PROTECTION:

- 1.1 The movement recorded by the GPS receiver
- 1.2 Switching on the ignition with the "MONITOR" protection
- 1.3 Inspection Input 2 – if set
- 1.4 JAMM protection (GSM receiver interference detection) – if set
- 1.5 Battery discharge protection in the vehicle
- 1.6 Speeding – if set
- 1.7 Tilt sensor protection - if set

1.1 „GPS ON“ Mode

The GPS will sound an alarm when the vehicle is moving with the ignition off. This is a protection against towing the vehicle. The function is activated by SMS command „4321 GPS ON“. To deactivate the function, use the command „4321 GPS OFF“.

Activate protection:

The protection is activated two minutes after switching off the ignition and deactivated by switching it on. The GPS alarm triggered if the when the vehicle is in motion with the ignition off (eg towing).

Note: The GPS receiver is automatically turned off to save power when both the GPS / MONITOR and GPS ON functions are disabled at the same time. (Red LED is off)

1.2 „MONITOR“ mode

This mode is the same as GPS ON mode, but is controlled by voice call. GPS alarm is triggered by switching on the ignition, or any movement of the vehicle.

Activate „MONITOR“ protection

It is activated by calling the GPS SNIPER MAX phone number. The call must be made from an authorized telephone number (see chapter 1. Entering authorized telephone numbers for alarm SMS).

Deactivating „MONITOR“ protection

It is also deactivated by calling the GPS SNIPER MAX phone number.

To activate the GPS alarm:

If the ignition is switched on with the „MONITOR“ protection activated, the device will immediately send an alarm message in the form „ALARM, IGNITION IS ON“.

1.3 „Input 2 control“ protection

For use with an aftermarket car alarm or OEM alarm, the output of which is connected to the input contact of the GPS SNIPER MAX. The protection will send an SMS message to the authorized phone number.

Activate protection:

4321 INPUT ON 0.2 to switch on (the alarm input it must be switched on for at least 0,2s)

4321 INPUT ON 1.5 for switching on (alarm input must be switched on for at least 1,5s)

To disable protection:

4321 INPUT OFF for off - is set to off by default.

1.4 Detection of GSM signal jamming**Command format:**

4321 JAMM ON for turning on

4321 JAMM OFF for turning off

We especially recommend to use it if siren or horn is connected,. The SMS about signal interference will not be received until the GSM signal is restored.

1.5 Car battery discharge protection**Command format:**

4321 BATTERY xx

xx- value of discharged battery in volts

Default value 11,5V

- alarm SMS is sent out, if the actual battery voltage drops below the set value for at least 2 minutes.

1.6 Speeding protection**Command format:**

4321 SPEED xx

xx- value in km/h 0-200, - if the value set as 0 (zero), alarm SMS will not be sent at all.

Default value 130 km/h.

If you exceed pre-set speed, sms with the current speed of the vehicle is automatically sent.

1.7 Protection „Tilt sensor“**Command format:**

4321 TILT xx

xx the value is in degrees 0-30 (setting 0 means off)

The default value is 5°.

The protection is activated automatically 2 minutes after the ignition is switched off.

2. ADDITIONAL SETTINGS**2.1 GSM/GPS status detection****Command format:**

4321 SIGNAL

Answer for example:

GSM 96%

GPS 9 SATELLITES

2.2 Alarm notification by dialing authorized phone number

When an alarm (event) is triggered, the GPS SNIPER MAX first calls all authorized telephone numbers and then sends an alarm SMS to them.

Command format:

4321 RING ON - to turn ON

4321 RING OFF - to turn OFF

2.3 GPS locator switching to SLEEP mode**Command format:** 4321 SLEEP

In Sleep mode, the arming will be turned off, both the GPS and the GSM receiver will be switched off to reduce the power consumption of the device (eg during long-term parking).

The device is reactivated automatically when the ignition is switched on or by alarm from tilt sensor or from external alarm input.

Important Notice:

Do not enter the phone number of the SIM card inserted in the GPS SNIPER MAX as an authorized phone number! There is a risk of system loops and unexpected costs at the GSM operator due to the high number of SMS sent.

V. MOBILE APPLICATION

GPS SNIPER MAX allows you to use the GPS SNIPER MAX mobile app for smartphones. This application allows you to perform a complete system setup and control of the GPS SNIPER MAX device, similar to the SMS commands. The operating instructions for the mobile application are part of the application itself. Check with the manufacturer of the GPS SNIPER MAX for the release of the Android (Google Play) and iOS (Apple Store) mobile app.

VI. COMMUNICATION

The GPS SNIPER MAX enables GSM communication.

Note: GPS SNIPER MAX can be extended with **RF SMART v2** module, which allows convenient remote control.