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1.00 Introduction



The GSM Watch combines a variety of functions for the following applications like

GSM Dialer, to complement existing security systems

GSM Two Zone Alarm Panel, to act as a simple alarm panel in small offices or homes without the need of expensive professional security equipment

GSM Panic Button, to alert family members if older people or children are in need of urgent help or if store keepers need assistance in the case of an armed robbery

GSM Baby Phone, to alert parents that their babies or small children are awake.

GSM Monitoring / Listening Device, to silently monitor staff or family members (*Please comply with your local privacy laws!*)

GSM Dialer

- One or both inputs may be connected to a professional Security System Alarm Panel
- Any alarm of the Security System would trigger an instant Alarm Message or / and call up to 8 pre-programmed phone numbers

GSM Two Zone Alarm Panel

- This function allows the user to connect additional door contacts, motion, vibration or smoke detectors
- The system may be armed or disarmed via messages, the usage of the On / OFF Button or wireless remote controls
- Each of the two zones may be programmed as an Entry / Exit Zone, which allows the user to disarm the system or to leave premises. The internal buzzer will notify the user of the Entry Exit situation.
- The Panic Button or an wireless remote control may be used to trigger an instant Fire or Panic Alarm Message or / and call up to 8 pre-programmed phone numbers
- Additional Sounders or other equipment may be attached to the Signal Output

GSM Panic Button

- This function allows the elderly, disabled or children to call for help in case of an emergency.
- This function also allows store clerks to call for help in case of a robbery (e.g. installation under the desk)
- The Panic button will trigger Alarm Message or / and call up to 8 pre-programmed phone numbers
- In conjunction with remote controls it can be expanded to up to 256 wireless panic buttons

GSM Baby Phone

- This function allows parents to monitor their children
- The internal microphone checks the ambient noise level
- If the infant cries and the noise threshold is reached then the GSM Watch will send a message or / and call up to 8 pre-programmed phone numbers
- Parents may as well call in and listen to the room to check whether their children are sleeping

Work Place / Family Monitoring / Listening Device

- The device may be used to silently monitor the conversations or the activities of staff or family members.
- This could be achieved by silently calling into the device and listen to the room.

Disclaimer: *The manufacturer and the distributors of the GSM Watch, do not encourage the usage of Profile "Listen" since it may violate the privacy laws of the country in use. The manufacturer and the distributors of the GSM Watch do not accept any liability claims for the usage or the results of the usage of the GSM Watch! The usage of this product is on the user's own risk! There are no user serviceable parts contained within this unit. DO NOT attempt to interfere with, or alter any of the electronic components. To do so, may damage the electronic circuitry and will invalidate your warranty. Every effort has been made to provide accurate information, however, slight variations can occur. We reserve the right to make changes for the product improvement at anytime.*

1.01 Features

- Up to 8 programmable phone numbers and one programmable service phone number
- Each phone number accepts up to 24 digits, which makes IP dialing possible
- Each number can be programmed to send an Alarm SMS, just call or send SMS and call
- The GSM Watch is fully programmable by SMS.
- There are up to four different Alarm Messages programmable plus an additional Service Message
- The internal Microphone allows alarm triggering and listening to the room
- The System allows programming of trigger and volume level
- The System provides two Buttons with backlight and two status LEDs
 - ON / OFF: To enable and disable the main functionality
 - PANIC: To generate a fast emergency call or an emergency message
- The System accepts signals from four internal trigger Sources:
 - Microphone
 - Panic Button
 - Two Signal Inputs
- There are two signal inputs available for connection to a variety of sensors (e.g. PIR, Fire, Glass Break Sensors, Door Contacts)
- The system provides two programmable zones assignable to the inputs with programmable Entry / Exit Timing
- The System provides one low power relay output (35V, 50mA), which is activated in an alarm case and which can be controlled by SMS
- Up to 256 additional wireless Remote Devices may be connected to the system allowing Remote Arming and Disarming or Remote Panic Alarms.

- Different User Profiles allow a simple way of programming of the device suiting the inexperienced user
- The product is CE compliant, suitable for residential, commercial and industrial use
- The external Power Supply can be connected via internal terminals or via DC Jack
- An Internal Factory Reset Jumper allows the user to reset the product to an initial state
- The internal SIM Card Holder allows the usage of standard 3V SIM cards
- Connections are:
 - One standard DC Jack Input
 - 6 internal Terminals for optional wiring of two Inputs, one Output and Power Supply

1.02 Technical Specifications

Power Supply	9 - 16 Volts DC
Current Drain (Standby)	20mA
Peak Current Drain Dialing (GSM Dialing)	750mA
Alarm (Trigger) Inputs	2 x Programmable 0 or 12 Volts DC
Output	1 x Solid State Relay 30V / 50mA
GSM Part	GPRS Quad 850 / 900 / 1800 / 1900MHz
Remote Device Frequencies	315 MHz or 433.92 MHz
Dimensions	116 x 72 x 24mm
Weight	100g

1.03 Additional Equipment available for connecting to the GSM Watch



The GSM Watch provides terminals for different power supplies, two input channels and one low power output channel.

These terminals can be used to connect to a variety of external devices, which may be:

- 12V / 750mA Standard Wall Plug Power Supply with DC Jack (Usually delivered together with the GSM Watch in its standard configuration)
- 12V / 750mA In Wall Power Supply AA-024
- Digital Quad PIR MQ1510
- Dual Technology Microwave Quad PIR MQ1810
- Door Contacts and Glass Break Sensors
- Voice Dialer AD1200 (to complement the GSM Watch over a fixed telephone line if the GSM signal is not available)
- External Souder BS1500

1.04 Installation



Remove the lid and remove the two screws to be able to open back housing.

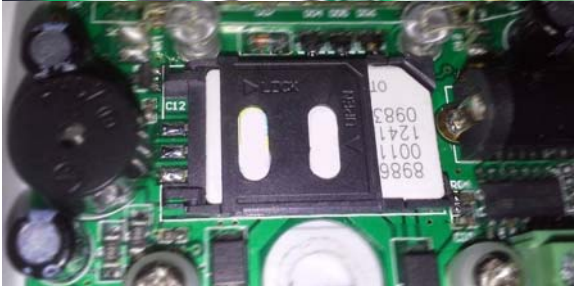
After removing the back housing proceed to insert the SIM card.



To operate the product a valid GSM SIM card must be inserted to the product.

The SIM card comes with its own phone number. This number shall be used to program the device and to call it.

A Pre-Paid SIM card is suitable for the product. Monthly service charges may occur, depends on the chosen service provider.



The SIM card slides into the SIM card holder as shown in the picture beside..

The SIM card holder provides a locking mechanism for the card.

Note that the PIN of the SIM card should be disabled, which is usually the case for newly bought Pre-Paid SIM cards. Also some SIM cards do not work within the GSM network. Please refer to you service provider.

1.05 General SMS Programming Procedure

The programming of the device is always done by SMS commands:

1. The user sends a command SMS to the GSM Watch, which uses the phone number provided by the SIM card, which is inserted into the device.
2. The GSM Watch will receive the message, process it and adjust the internal settings accordingly.
3. The GSM Watch will send an acknowledgement SMS back to the User's mobile phone.

Each command SMS consist of the following three parts:

1. 4 Digit User Code (default is 1111, recommended to be changed by the user)
2. Command
3. Parameters (optional)

The following example would set Phone Number 1 to 1234567890

```
1111  
PHONE1=1234567890
```

The GSM Watch would receive the message and set the internal Phone Number 1 to 1234567890. Finally it will send the following acknowledgement message to the user:

```
PHONE NUMBER CHANGED
```

The User may now send a message to the GSM Watch requesting the device to send the contents of Phone Number 1:

```
1111  
PHONE1?
```

The GSM Watch would receive the message and it will send the value of Phone Number 1 back to the user:

```
1234567890
```

Beside these commands of setting up and requesting phone numbers there is a variety of commands available to setup the device according to the needs of the user.

However to simplify the setup process, the *SETUP AS* command is available, which basically allows the user to setup up the GSM Watch with one single SMS.

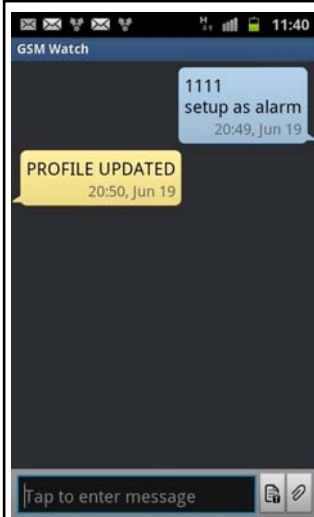
For instance, to set the device up as Alarm Panel, the following message may be used:

```
1111  
SETUP AS ALARM
```

The GSM Watch would receive the message and set certain parameters suitable for a Alarm Panel. Furthermore it would set Phone Number 1 to the user's mobile phone, which sent the command. Finally it would return the following acknowledgment message:

```
PROFILE CHANGED
```

2.00 Basic Setup



The GSM Watch can be operated in several different modes. This may require programming of different settings and variables. To simplify the setup for the user, the GSM Watch provides programming of different profiles, which include the basic settings for each mode:

- The **Dialer** Profile to use the product as a GSM Dialer
- The **Alarm** Panel Profile to use the product as a Two Zone GSM Alarm Panel
- The **Panic** Button Profile to use the product as a GSM Panic Button
- The **Baby** Phone Profile to use the product as a GSM Baby Phone / Baby Monitor
- The **Listen** Profile to use the product as a Monitoring and Listening Device

The user may use the **SETUP AS** command to set the device up with a single message.

2.01 Setup as GSM Dialer

The GSM Watch can be used as a GSM Dialer.

The GSM Dialer allows the user to connect the product to an existing Security System like the ST5500. Now the Security System will be enabled to send automated Alarm Messages or make automated Alarm Calls to up to 8 phone numbers.

Furthermore the Panic Button may be used as an one touch Panic Alarm key.

The user may call in and listen to the premises within 5 minutes after the GSM Watch received any SMS with a valid User Code (To modify this timing please refer to Chapter 3).

The ON / OFF Button can arm (ON) and disarm (OFF) the dialer function. Left and right beside the ON / OFF Button are a blue and a red LED indicating the mode of operation:

- Blue LED steady on, indicating the system is disarmed (OFF)
- Red LED steady on, indicating the system is armed (ON)
- Red or Blue LED flashing: System is processing command messages or calling out

The Panic Button includes a red backlight:

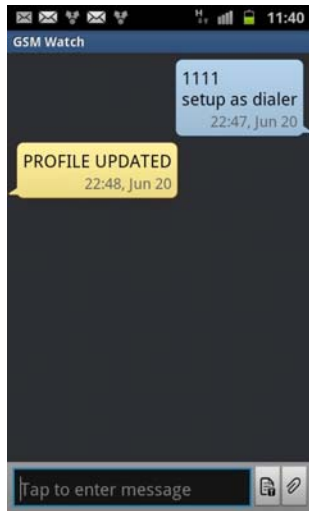
- If this red backlight is steady on then the Panic Button is ready to use.
- Pressing the button will send a message and / or make a call to all of the programmed phone numbers (up to 8).
- After a period of time, the so called Re-trigger Time, the Panic Button's backlight will be steady red again, indication that it is ready again to be pressed.

The Panic function is enabled regardless of the ON / OFF state indicated by a steady red or blue LED.

In GSM Dialer mode the system waits for a trigger event on the Input 1 or Input 2. Then it will dial out the preprogrammed numbers and / or send an Alarm Message.

In GSM Dialer mode the microphone triggering is disabled. It might be enabled with the corresponding SMS command (Please refer to Chapter 3 “Advanced User Commands”).

To setup the GSM Watch as a GSM Dialer please follow the steps as described:



- Open the back housing and insert a SIM card (SIM should not have a PIN assigned!)
- Connect the plug of the external Wall Plug Power Supply to the DC Jack **OR** wire the power terminal to the supply pins of the Security System. **Do only connect one of the both power sources!**
- Wire the S output or Bell Output or Sounder Output of your Security System to Input 1.
- Power System ON.
- The GSM Watch will give several short acknowledgment beeps and the blue or red LED beside the ON / OFF Button should be flashing to indicate it is looking for the GSM network.
- Wait until the blue or red LED is steady on.
- Now the units is ready to receive and process SMS
- Send the *SETUP AS DIALER* message to the GSM Watch
- The blue or red LED will start to flash again, indicating that the device is processing the command
- The GSM Watch will now send an acknowledge SMS with *PROFILE UPDATE* back to the user

The GSM Watch is now ready to be used as GSM Dialer in its most basic configuration.

The User may now or later setup further settings, changing the User Code, adding additional phone numbers or setup Remote Devices. Please refer to Chapter 3 “Advanced User Commands”.

2.02 Setup as Simple Two Zone GSM Alarm Panel

The GSM Watch may be used as a Simple Two Zone GSM Alarm Panel.

The GSM Alarm Panel allows the user to connect sensors (e.g motion detectors like the MQ1510) to the two Signal Inputs. The product acts now as an simple standalone Alarm Panel. Entry and Exit Times can be assigned to the two Inputs, which allows the user to leave the premises before the system is active. Also Remote Controls may be used to Arm and Disarm the system.

In case of an Alarm event automated Alarm Messages and / or automated Alarm Calls to up to 8 phone numbers are made. Furthermore the Panic Button may be used as an one touch Panic Alarm key.

The user may call in and listen to the premises within 5 minutes after the GSM Watch received any SMS with a valid User Code (To modify this timing please refer to Chapter 3).

The ON / OFF Button can arm (ON) and disarm (OFF) the dialer function. Left and right beside the ON / OFF Button are a blue and a red LED indicating the mode of operation:

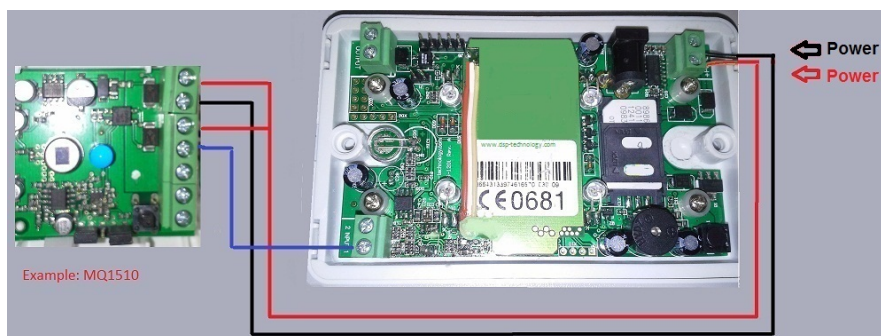
- Blue LED steady on, indicating the system is disarmed (OFF)
- Red LED steady on, indicating the system is armed (ON)
- Red or Blue LED flashing: System is processing command messages or calling out

The Panic Button includes a red backlight:

- If this red backlight is steady on then the Panic Button is ready to use.
- Pressing the button will send a message and / or make a call to all of the programmed phone numbers (up to 8).
- After a period of time, the so called Re-trigger Time, the Panic Button's backlight will be steady red again, indication that it is ready again to be pressed.

The Panic function is enabled regardless of the ON / OFF state indicated by a steady red or blue LED.

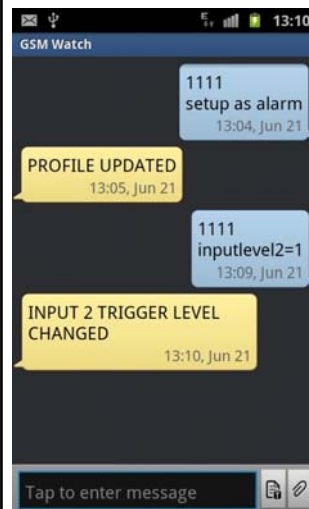
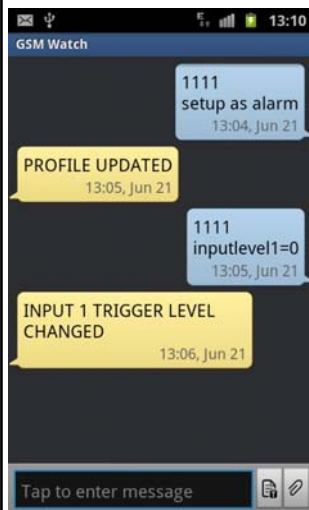
In GSM Alarm Panel mode the armed system waits for a trigger event on the Input 1 or Input 2, starts the Entry Timing and will dial out the preprogrammed numbers and / or send an Alarm Message if the Entry Time expired.



The picture above gives an example how to wire a MQ1510 PIR Motion Detector to the GSM Watch on Input 1.

In GSM Alarm Panel mode the microphone triggering is disabled. It might be enabled with the corresponding SMS command (Please refer to Chapter 3 “Advanced User Commands”).

To setup the GSM Watch as a GSM Alarm Panel please follow the steps as described:



- Open the back housing and insert a SIM card (SIM should not have a PIN assigned!)
- Wire one or two detectors / sensors to the Inputs
- Connect the plug of the external Wall Plug Power Supply to the DC Jack
- Power System ON.
- The GSM Watch will give several short acknowledgment beeps and the blue or red LED beside the ON / OFF Button should be flashing to indicate it is looking for the GSM network.
- Wait until the blue or red LED is steady on.
- Now the unit is ready to receive and process SMS
- Send the *SETUP AS ALARM* message to the GSM Watch
- The blue or red LED will start to flash again, indicating that the device is processing the command
- The GSM Watch will now send an acknowledge SMS with *PROFILE UPDATE* back to the user
- If there are the sensors connected are operating in N/C mode (like the MQ1510) also send the commands *INPUTLEVEL1=0* and *INPUTLEVEL2=0*
- The GSM Watch would acknowledge the two commands with *INPUT 1 TRIGGER LEVEL CHANGED* and *INPUT 2 TRIGGER LEVEL CHANGED*
- If on one of the two Inputs no sensor is connected or N/O type detectors are connected then the corresponding commands are not necessary or the commands *INPUT LEVEL1=1* and *INPUTLEVEL2=1* may be used.
- Also in this case The GSM Watch would acknowledge the two commands with *INPUT 1 TRIGGER LEVEL CHANGED* and *INPUT 2 TRIGGER LEVEL CHANGED*

Note: If you use the *PROFILE=* command instead of *SETUP AS* command then you still would need to assign a phone number to the system.

The GSM Watch is now ready to be used as GSM Dialer in its most basic configuration.

The User may now or later setup further settings, changing the User Code, adding additional phone numbers or setup Remote Devices. Please refer to Chapter 3 “Advanced User Commands”.

2.03 Setup as GSM Panic Button

The GSM Watch may be used as a GSM Panic Button.

In case of an emergency the GSM Panic Button allows the user to make Alarm Calls and / or send Alarm Messages to up to 8 phone numbers.

The Panic Alarm may be triggered by the Panic Button or up to 256 wireless Remote Devices.

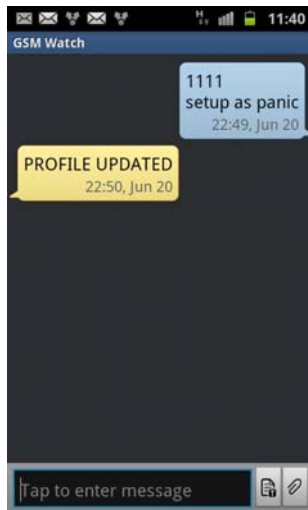
In this mode Microphone triggering and Input 1 / Input 2 triggering are disabled by default. Therefore the ON / OFF button does not provide any meaningful functionality, except indicating (flashing) when the system is processing command messages or calling out. In this time no Panic message can be triggered.

The Panic function is enabled regardless of the ON / OFF state indicated by a steady red or blue LED.

The Panic Button includes a red backlight:

- If this red backlight is steady on then the Panic Button is ready to use.
- Pressing the button will send a message and / or make a call to all of the programmed phone numbers (up to 8). In this time the panic Button can not be used.
- After a period of time, the so called Re-trigger Time, the Panic Button will be illuminate red again, indication that it is ready again to trigger a call or a message.

To setup the GSM Watch as a GSM Panic Button please follow the steps as described:



- Open the back housing and insert a SIM card (SIM should not have a PIN assigned!)
- Connect the plug of the external Wall Plug Power Supply to the DC Jack
- Power System ON.
- The GSM Watch will give several short acknowledgment beeps and the blue or red LED beside the ON / OFF Button should be flashing to indicate it is looking for the GSM network.
- Wait until the blue or red LED is steady on.
- Now the units is ready to receive and process SMS
- Send the *SETUP AS PANIC* message to the GSM Watch
- The blue or red LED will start to flash again, indicating that the device is processing the command
- The GSM Watch will now send an acknowledge SMS with *PROFILE UPDATE* back to the user

Note: If you use the *PROFILE=* command instead of *SETUP AS* command then you still would need to assign a phone number to the system.

The GSM Watch is now ready to be used as GSM Panic Button in its most basic configuration.

The User may now or later setup further settings, changing the User Code, adding additional phone numbers or setup Remote Devices. Please refer to Chapter 3 "Advanced User Commands".

2.04 Setup as GSM Baby Phone

The GSM Watch may be used as a GSM Baby Phone / Baby Monitor.

In case of an noisy environment (e.g. small child is waking up) the GSM Baby Phone allows to alert the user by call and / or SMS to up to 8 phone numbers. Also the user may call in at any time and listen to the room. The maximum call in time is limited to 10 minutes. However the user may repeat as many calls as he wishes.

The microphone triggering is enabled and the ON / OFF Button can enabled (ON) and disable (OFF) the dialer function. Left and right beside the ON / OFF Button are a blue and a red LED indicating the mode of operation:

- Blue LED steady on, indicating the microphone triggering is disabled (OFF)
- Red LED steady on, indicating the microphone triggering is enabled (ON)
- Red or Blue LED flashing: System is processing command messages or calling out

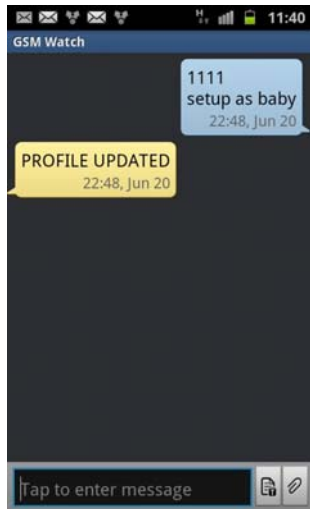
In this mode Input 1 / Input 2 triggering are disabled by default.

The Panic function is enabled regardless of the ON / OFF state indicated by a steady red or blue LED.

The Panic Button includes a red backlight:

- If this red backlight is steady on then the Panic Button is ready to use.
- Pressing the button will send a message and / or make a call to all of the programmed phone numbers (up to 8).
- After a period of time, the so called Re-trigger Time, the Panic Button's backlight will be steady red again, indication that it is ready again to be pressed.

To setup the GSM Watch as a GSM Baby Phone please follow the steps as described:



- Open the back housing and insert a SIM card (SIM should not have a PIN assigned!)
- Connect the plug of the external Wall Plug Power Supply to the DC Jack
- Power System ON.
- The GSM Watch will give several short acknowledgment beeps and the blue or red LED beside the ON / OFF Button should be flashing to indicate it is looking for the GSM network.
- Wait until the blue or red LED is steady on.
- Now the units is ready to receive and process SMS
- Send the *SETUP AS BABY* message to the GSM Watch
- The blue or red LED will start to flash again, indicating that the device is processing the command
- The GSM Watch will now send an acknowledge SMS with *PROFILE UPDATE* back to the user

Note: If you use the *PROFILE=* command instead of *SETUP AS* command then you still would need to assign a phone number to the system.

The GSM Watch is now ready to be used as GSM Baby Phone in its most basic configuration. The User may now or later setup further settings, changing the User Code, adding additional phone numbers or setup Remote Devices. Please refer to Chapter 3 "Advanced User Commands".

2.05 Setup as Monitoring and Listening Device

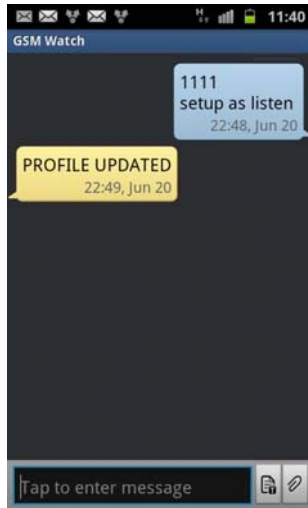
The GSM Watch may be used as a Listening Device for silently monitoring conversations.

CAUTION: The user must observe the Privacy Laws of his country!

The main idea of this mode that the user can call in and listen to the room any time he wishes. Note: The maximum call in time is limited to 10minutes. However the user may repeat as many calls as he wishes.

In this mode the Panic Button, Microphone triggering and Input 1 / Input 2 triggering are all disabled by default. Therefore the ON / OFF button and the Panic Button do not provide any meaningful functionality, except indicating (flashing) when the system is processing command messages. They do not indicate, when the user calls in.

To setup the GSM Watch as a Listening Device please follow the steps as described:



- Open the back housing and insert a SIM card (SIM should not have a PIN assigned!)
- Connect the plug of the external Wall Plug Power Supply to the DC Jack
- Power System ON.
- The GSM Watch will give several short acknowledgment beeps and the blue or red LED beside the ON / OFF Button should be flashing to indicate it is looking for the GSM network.
- Wait until the blue or red LED is steady on.
- Now the units is ready to receive and process SMS
- Send the *SETUP AS LISTEN* message to the GSM Watch
- The blue or red LED will start to flash again, indicating that the device is processing the command
- The GSM Watch will now send an acknowledge SMS with *PROFILE UPDATE* back to the user

Note: If you use the *PROFILE=* command instead of *SETUP AS* command then you still would need to assign a phone number to the system.

The GSM Watch is now ready to be used as Listening Device in its most basic configuration.


The User may now or later setup further settings or change the User Code. Please refer to Chapter 3 "Advanced User Commands".

3.00 User Commands

As described earlier the GSM Watch is configured and checked by sending SMS to it. The *SETUP AS* command is a short cut to set multiple setting with a single command. However the experienced user may like to setup further or different settings. A variety of commands is available, which let the user modify or access the following features:

- Arm and Disarm the System or request current System State (ARMED or DISARMED)
- Change 4 Digit User Code
- Set up to eight Phone Numbers and one Service Phone Number
- Set Phone Number Modes (Call, SMS or both)
- Set four Alarm and one Service Message Text
- Set Reply-Language (currently English or German)
- Set Quantity of Dial Attempts
- Set a Profile
- Set Call In Mode (Allow / Disallow Call In)
- Set Re-trigger Times (Microphone, Panic Button and two Inputs)
- Set Service Interval
- Activate / Deactivate Microphone, Panic Button and Inputs
- Set Microphone Volume
- Record Remote Devices
- Assign Remote Device Type
- Request Software Revision of product

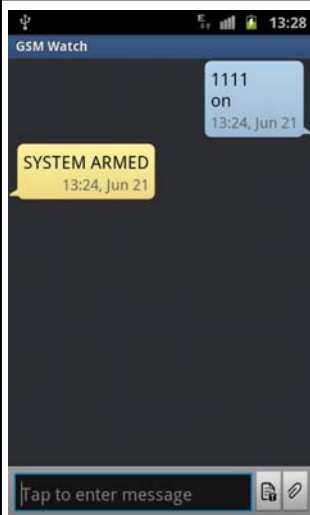
3.01 Command “Check System State”



The user may check the current state of the GSM Watch by sending just his User Code to the GSM Watch by SMS.

Possible replies from the GSM Watch are *ARMED* or *DISARMED*.

3.02 Commands “Arm System”



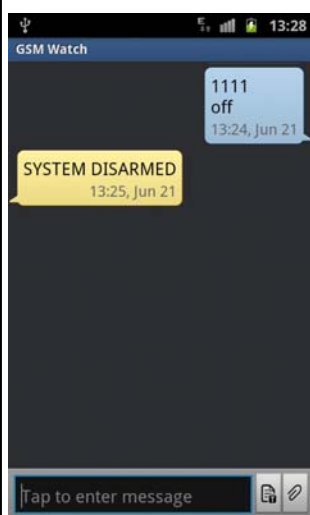
The user may arm the GSM Watch by sending the SMS command *ON*.

The GSM Watch would reply with *ARMED*.

Arming will cause the blue LED to be switched off and the red LED to be steady on.

If setup then the trigger signals (Microphone and Inputs) may trigger an Alarm Event.

3.03 Command “Disarm System”



The user may disarm the GSM Watch by sending the SMS command *OFF*.

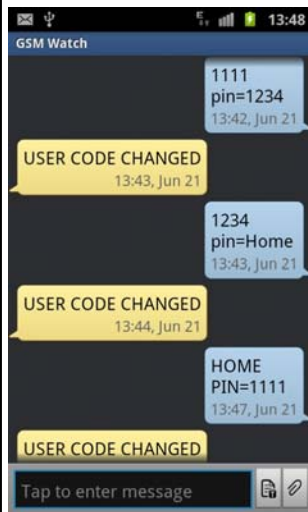
The GSM Watch will reply with *DISARMED*.

Disarming would cause the red LED to be switched off and the blue LED to be steady on.

Trigger signals from Microphone and Inputs are inhibited now.

Note: The Panic Button is excluded of the Disarming procedure and stays always active if enabled.

3.04 Command “Change User Code”



It is strongly recommended that the user changes the default User Code 1111 to any other 4 digit code of his choice by sending the *PIN=* command and his new User Code by SMS.

The new User Code may include the numbers 0 ... 9 as well as the capital characters A ... Z.

Note: If the user enters as new User Code containing any small characters (a ... z) then these characters will be automatically stored in capital format (A ... Z). The user should from now on use his new User Code Word by using capital characters only!

In any case the GSM Watch would reply with *USER CODE CHANGED*.

After changing the User Code only the new User Code is accepted by the GSM Watch.

Note: If the user forgets his User Code he may reset all settings to the Factory Default, including the User Code. Please refer to Chapter 4 “Factory Reset and Default Settings”.

SMS commands may be written in capitals or small characters. It does not matter for the GSM Watch. However the User Code should only contain numbers and capitals.

3.05 Command “Change Phone Number”

In case of an Alarm Event the GSM Watch will try to send alarm messages and / or make an alarm call. Therefore some designates phone number have to be setup, where these calls / messages should be directed to. Up to eight different phone numbers may be stored.



While using the *SETUP AS* command only Phone Number 1 was set. The user may need to add further phone numbers or may want to change Phone Number 1 to another number.

Up to eight phone numbers are available: *PHONE1* ... *PHONE8*.

One phone number can have up to 24 digits and include the numbers 0 ... 9 as well as a leading + symbol.

After setting a Phone Number it will be used while dialing and sending Alarm Messages.

Sending the command *PHONE1=* ... *PHONE8=* and the desired number will set the corresponding phone number.

The GSM Watch would reply with *PHONE NUMBER CHANGED*.

3.06 Command “Delete Phone Number”



The user can delete single Phone Numbers or even all Phone Numbers in one go.

By sending the SMS command *PHONE1=* and leaving the number empty, Phone Number 1 would be deleted. The same can be done with any of the seven other phone numbers (*PHONE2= ... PHONE8=*).

The GSM Watch would reply *PHONE NUMBER CHANGED*

The SMS command *DELETE ALL* will delete all eight Phone Numbers.

In this case the GSM Watch would reply:
ALL NUMBERS DELETED

Note: Any deleted Phone Numbers will not be used while dialing and sending Alarm Messages. After factory reset all Phone numbers are deleted / empty.

3.07 Command “Request Phone Numbers”



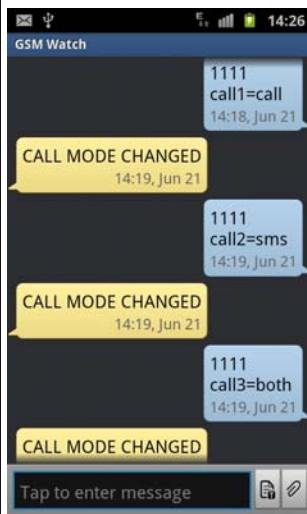
With the SMS commands *PHONE1? ... PHONE8?* the user may check the current setting of Phone Number 1 ... 8.

The GSM Watch would reply with the current programmed Phone Number or with *EMPTY* in case no phone number is programmed at the requested location.

3.08 Command “Set Call Mode”

In case of an alarm event the GSM Watch will make an alarm call and / or send an alarm SMS to each of the programmed phone numbers.

The default setting is Call Only. Therefore the GSM Watch would only make alarm calls to all programmed phone numbers. The user may want to re-define this functionality to SMS only or to Call and SMS.



The call mode can be defined for each of the eight phone numbers individually by issuing the SMS commands *CALL1= ... CALL8=*.

Setting the argument of the command to *CALL* would enable the GSM Watch to use the selected phone number to make alarm calls only in case of an alarm event.

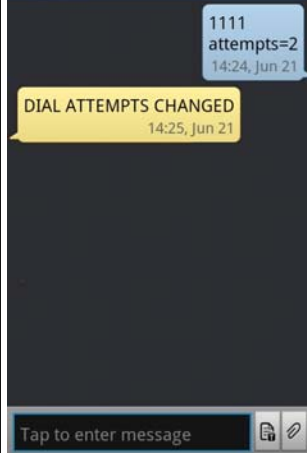
Setting the argument of the command to *SMS* would enable the GSM Watch to use the selected phone number to send alarm messages only in case of an alarm event.

Setting the argument of the command to *BOTH* would enable the GSM Watch to use the selected phone number to make alarm calls **AND** send alarm messages in case of an alarm event.

In any case the GSM Watch would reply with *CALL MODE CHANGED*

3.09 Command “Set Dial Attempts”

In case of an alarm event the GSM Watch will process all programmed phone numbers, starting with Phone Number 1.



If the call mode of the current phone number is set to *CALL* or *BOTH* it will try to call it. If the call was not successful (e.g. busy) the product might attempt multiple times to call this particular phone number again.

The user can set any value from 1 to 4 as maximum dial attempt count by issuing the SMS command *ATTEMPTS=* and the desired quantity of maximum attempts (1 ... 4).

The GSM Watch would reply with *DIAL ATTEMPTS CHANGED*

3.10 Command “Set Language”



The product offers the user currently two different language packs used for the reply / acknowledgment messages: English and German

With the SMS commands *LANG=ENG* or *LANG=DE* the user can select English or German.

The GSM Watch would reply *LANGUAGE CHANGED* if English was chosen or *SPRACHE GEAENDERT* if German was chosen

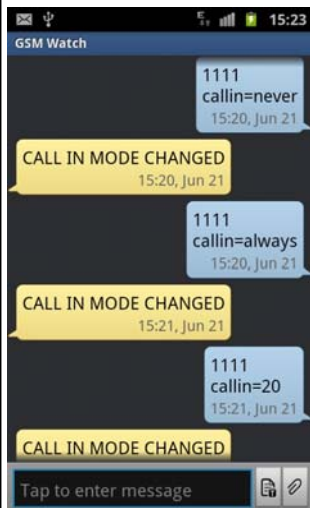
After changing the language all further reply messages will be in the newly set language.

The SMS command language remains unchanged. However some of the commands may have an alternative German command word, which are not further described in this English User Manual and are subject of the German User Manual.

Other language packs may be available on request.

3.11 Command “Set Call In Mode”

The user may need to call the GSM Watch to monitor the room. However it may be not desirable to let anybody else to call in and therefore it appears to be useful to limit the Call In functionality (acceptance of incoming calls).



The SMS command *CALLIN=* can limit and set the Call In functionality.

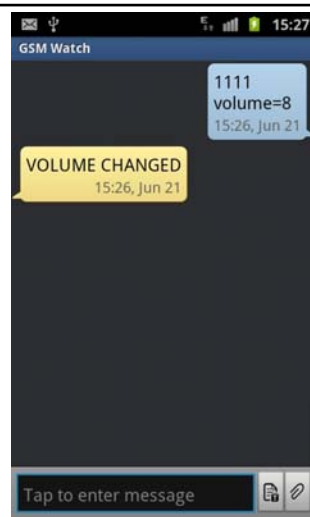
If the Argument is set to *0* or *NEVER* the GSM Watch would not accept any incoming call.

If the Argument is set to a value ranging from *1* to *999* then the GSM Watch would accept any incoming calls for a time from *1 ... 999* minutes after the last valid User Code was received by SMS. After that time it is not possible to call in. If the User wants to call in anyway then he has to issue a SMS with his User Code first. After reception of the User Code the Call In Timer is reset and the GSM watch accepts for another period of time incoming calls.

If the Argument is set to *ALWAYS* or a number *> 999* then the GSM Watch would always accept any incoming call.

In any case the GSM Watch would reply with *CALL IN MODE CHANGED*.

3.12 Command “Set Microphone Volume”



The internal microphone allows the user to listen to the room. With the SMS command *VOLUME=* the user may adjust the volume.

Arguments from 1 ... 8 are accepted.

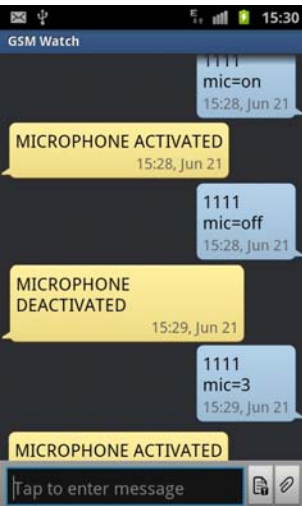
A value of 1 corresponds to the lowest volume.

A value of 8 corresponds to the highest volume.

The GSM Watch would reply with *VOLUME CHANGED*.

3.13 Command “Activate / Deactivate Microphone”

The internal microphone allows to trigger an alarm. The user can activate or deactivate this function and furthermore define the trigger sensitivity (ranging from 1 ... 9). A higher sensitivity would trigger an alarm event at a lower noise level.



The SMS command *MIC=* adjusts the Microphone functionality.

Setting the Argument to *ON* will activate the Microphone with a medium trigger level of 5. The GSM Watch would reply with *MICROPHONE ACTIVATED*.

Setting the Argument to *OFF* or to a value of 0 will deactivate the Microphone. The GSM Watch would reply with *MICROPHONE DEACTIVATED*.

Setting the Argument to a value ranging from 1 ... 9 will activate the Microphone with the corresponding level. A level of 1 is the least sensitive level, while a level of 9 provides the highest trigger sensitivity. The GSM Watch would reply with *MICROPHONE ACTIVATED*.

3.14 Command “Activate / Deactivate Panic Button”

The GSM Watch includes a Panic Button. After pressing it for a certain time (hold down time) it should trigger an alarm event. The user can set this required hold down timing from 0.5s up to 9s or even deactivate the Panic Button completely.



The SMS command *PANIC=* adjusts the panic Button functionality.

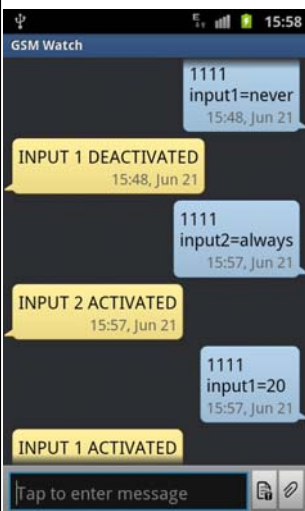
Setting the Argument to *OFF* or *NEVER* will deactivate the Panic Button. The GSM Watch would reply with *PANIC BUTTUN DEACTIVATED*.

Setting the Argument to *ON* will activate the Panic Button to a minimum hold down time of 500ms. The GSM Watch would reply with *PANIC BUTTON ACTIVATED*.

Setting the Argument to a value ranging from 1 ... 9 will activate the Panic Button to a minimum hold down time of 1 ... 9s. The GSM Watch would reply with *PANIC BUTTON ACTIVATED*.

3.15 Command “Activate / Deactivate Input 1 and 2”

The product provides two signal inputs. Via these two inputs alarm events may be triggered. Furthermore an Entry / Exit Time may be assigned to any of the two Inputs. The Entry / Exit feature gives the user time to leave the premises after arming and to disarm the system while returning without triggering an alarm event.



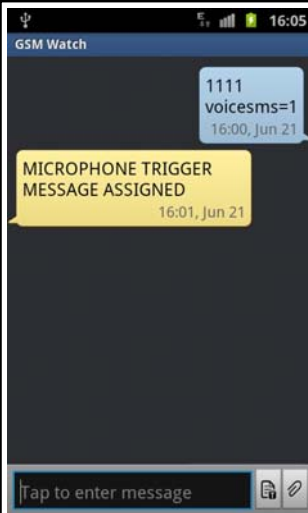
The SMS commands *INPUT1=* and *INPUT2=* allow the user to enable, disable and set the Entry / Exit Timing for the two signal inputs.

Setting the Argument to *NEVER* will deactivate the corresponding signal Input. The GSM Watch would reply with *INPUT1 DEACTIVATED* or *INPUT2 DEACTIVATED*

Setting the Argument to *ALWAYS* or 0 will activate the corresponding Signal Input, but Entry / Exit Timing is disabled. The GSM Watch would reply with *INPUT1 ACTIVATED* or *INPUT2 ACTIVATED*.

Setting the Argument to a value ranging from 1 ... 254 will activate the corresponding Signal Input with an Entry Exit Timing of 1 ... 254 seconds. The GSM Watch would reply with *INPUT1 ACTIVATED* or *INPUT2 ACTIVATED*.

3.16 Command “Assign Microphone Trigger Message”



The GSM Watch provides four different Alarm Messages and one Service Message.

The four Alarm Messages are in their default stage assigned as following:

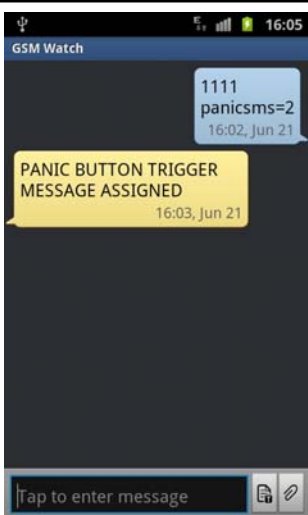
- Message 1: Microphone Trigger
- Message 2: Panic Button Trigger
- Message 3: Input 1 Trigger
- Message 4: Input 2 Trigger

However the user can freely assign any of the four Alarm Messages to any of the four alarm event trigger sources.

The SMS command *VOICESMS=* allows the user to assign one of the four messages to an alarm event triggered by the Microphone.

The GSM Watch would reply with *MICROPHONE TRIGGER MESSAGE ASSIGNED*.

3.17 Command “Assign Panic Button Trigger Message”



The GSM Watch provides four different Alarm Messages and one Service Message.

The four Alarm Messages are in their default stage assigned as following:

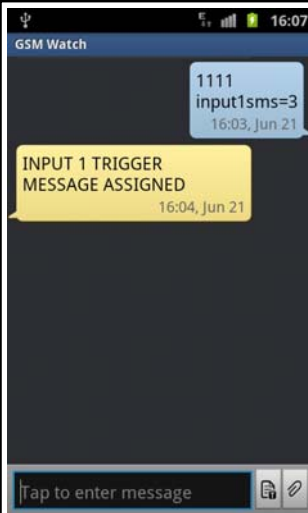
- Message 1: Microphone Trigger
- Message 2: Panic Button Trigger
- Message 3: Input 1 Trigger
- Message 4: Input 2 Trigger

However the user can freely assign any of the four Alarm Messages to any of the four alarm event trigger sources.

The SMS command *PANICSMS=* allows the user to assign one of the four messages to an alarm event triggered by the Panic Button or any wireless Remote Device, which is defined as wireless Panic Button.

The GSM Watch would reply with *PANIC BUTTON TRIGGER MESSAGE ASSIGNED*.

3.18 Command “Assign Input 1 Trigger Message”



The GSM Watch provides four different Alarm Messages and one Service Message.

The four Alarm Messages are in their default stage assigned as following:

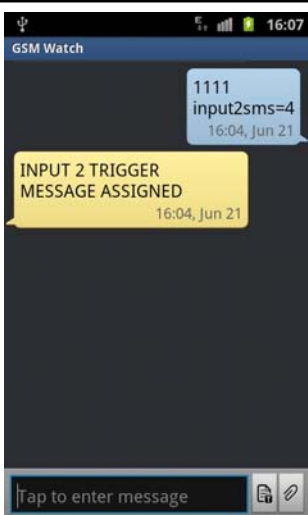
- Message 1: Microphone Trigger
- Message 2: Panic Button Trigger
- Message 3: Input 1 Trigger
- Message 4: Input 2 Trigger

However the user can freely assign any of the four Alarm Messages to any of the four alarm event trigger sources.

The SMS command *INPUT1SMS=* allows the user to assign one of the four messages to an alarm event triggered by Input 1.

The GSM Watch would reply with *INPUT 1 TRIGGER MESSAGE ASSIGNED*.

3.19 Command “Assign Input 2 Trigger Message”



The GSM Watch provides four different Alarm Messages and one Service Message.

The four Alarm Messages are in their default stage assigned as following:

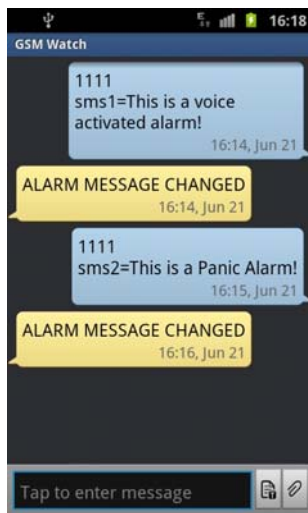
- Message 1: Microphone Trigger
- Message 2: Panic Button Trigger
- Message 3: Input 1 Trigger
- Message 4: Input 2 Trigger

However the user can freely assign any of the four Alarm Messages to any of the four alarm event trigger sources.

The SMS command *INPUT2SMS=* allows the user to assign one of the four messages to an alarm event triggered by Input 2.

The GSM Watch would reply with *INPUT 2 TRIGGER MESSAGE ASSIGNED*.

3.20 Command “Set Alarm Message”



The GSM Watch provides four different Alarm Messages, which may be sent in a case of an alarm event.

These messages can be modified to any text with up to 63 characters.

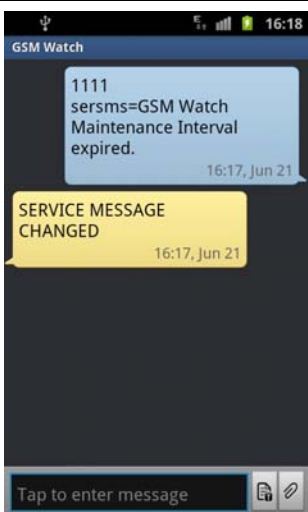
The four default Alarm Messages are set to:

- Message 1: ALARM!
- Message 2: PANIC ALARM!
- Message 3: ALARM!
- Message 4: ALARM!

The SMS commands *SMS1=*, *SMS2=*, *SMS3=* and *SMS4=* allow the user to overwrite the default Message texts and assign his own texts.

In any case the GSM Watch would reply with *ALARM MESSAGE CHANGED*.

3.21 Command “Set Service Message”



The GSM Watch provides an additional Service Message.

This message may be used from time to time to remind the user or installer to maintain the device or to charge the SIM card with funds.

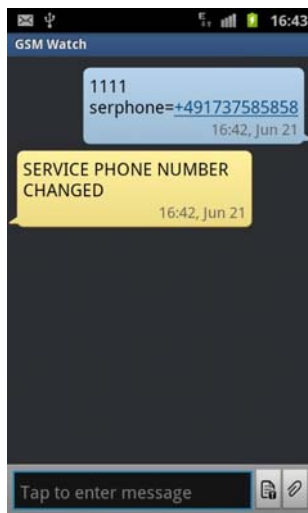
The Service Messages can be modified to any text with up to 63 characters.

The default Service Messages is set to: *PLEASE CHARGE SIM CARD!*

The SMS commands *SERSMS=* allows the user to overwrite the default Service Message text and assign his own text.

The GSM Watch would reply with *SERVICE MESSAGE CHANGED*.

3.22 Command “Change Service Phone Number”



The GSM Watch provides an additional Service Message.

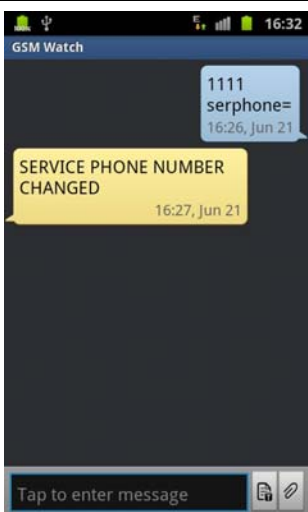
This message may be used from time to time to remind the user or installer to maintain the device or to charge the SIM card with funds.

The SMS command `SERPHONE=` followed by the desired Service Phone Number allows the user to set the Service Phone Number.

The GSM Watch would reply with *SERVICE PHONE NUMBER CHANGED*.

Note: The Service Phone Number should be linked to a mobile phone or a device, which can receive SMS.

3.23 Command “Delete Service Phone Number”



The GSM Watch provides an additional Service Message.

This message may be used from time to time to remind the user or installer to maintain the device or to charge the SIM card with funds.

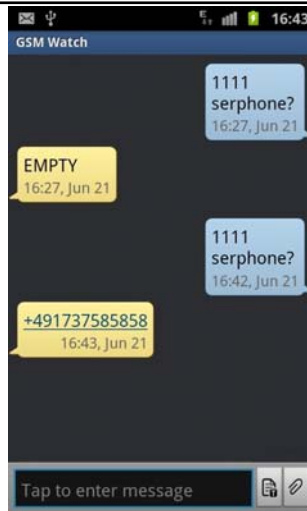
The SMS command `SERPHONE=` without any argument will delete any previously stored Service Phone Number.

The GSM Watch would reply with *SERVICE PHONE NUMBER CHANGED*

Note: Without any valid Service Phone Number the Service Message function is disabled.

Note: The factory default state is an empty Service Phone Number and therefore the Service Message function is disabled.

3.24 Command "Request Service Phone Number"



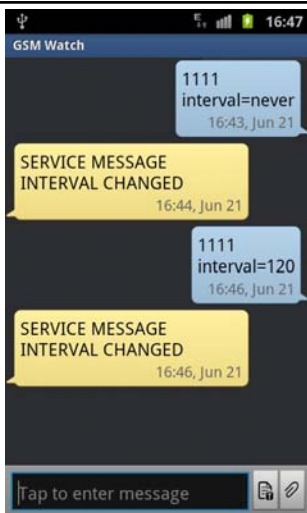
The GSM Watch provides an additional Service Message.

This message may be used from time to time to remind the user or installer to maintain the device or to charge the SIM card with funds.

The SMS command SERPHONE? allows the user to check the current setting of the Service Phone Number.

The GSM Watch would reply with the currently stored Service Phone Number or *EMPTY* if no number is assigned.

3.25 Command "Set Service Interval"



The GSM Watch provides an additional Service Message.

This message may be used from time to time to remind the user or installer to maintain the device or to charge the SIM card with funds.

The Service Interval is the time span within Service Messages are sent to the Service Phone Number.

The SMS command INTERVAL= allows the user to set the Service Interval.

Setting the Argument to 0, *NEVER* or a value > 999 will deactivate the Service message function.

Setting the Argument to a value ranging from 1 ... 999 will set the Service Interval to a time span of 1 ... 999 days.

In any case the GSM Watch would reply with *SERVICE MESSAGE INTERVAL CHANGED*.

If the GSM watch is powered on (cold start) and the Interval Time is set then the device will send the first Service Message right after power on.

Note: The factory default setting for The Service Interval is *NEVER*.

3.26 Command “Set Microphone Re-trigger Time”

After an alarm event the room noise level might be still elevated and an immediate re-trigger of the alarm event might occur. Multiple calls and messages would be generated. Therefore it might be useful to prevent an immediate re-triggering of the Microphone alarm.



The SMS command *RETRIGGER1=* allows the user to set a period of time in which the system will not trigger a second Microphone alarm event.

Setting the Argument to *NEVER* or a value > 999 the system will not trigger any new Microphone alarm event unless the system is disarmed and armed again.

Setting the Argument to a value ranging from 1 ... 999 will set the Microphone re-trigger time to 1 ... 999 minutes.

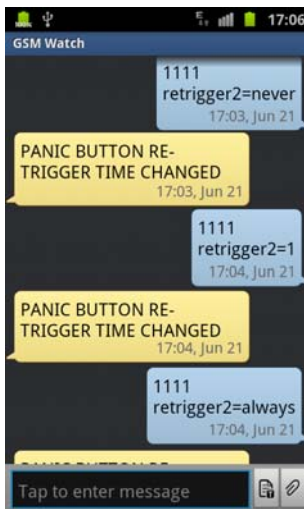
Setting the Argument to 0 or *ALWAYS* will allow an immediate Microphone re-triggering after the last alarm call was finished.

In any case the GSM Watch would reply with *MICROPHONE RE-TRIGGER TIME CHANGED*

Note: Disarming the system will reset the Microphone Re-trigger Timer.

3.27 Command “Set Panic Button Re-trigger Time”

After a Panic Alarm the user in panic might try to trigger the Panic Button again and again, but help would be already on the way. Multiple calls and messages would be generated. Therefore it might be useful to prevent an immediate re-triggering of the Panic Alarm.



The SMS command *RETRIGGER2=* allows the user to set a period of time in which the system will not trigger a second Panic alarm event.

Setting the Argument to *NEVER* or a value > 999 the system will not trigger any new Panic alarm event unless the system is disarmed.

Setting the Argument to a value ranging from 1 ... 999 will set the Panic Button re-trigger time to 1 ... 999 minutes.

Setting the Argument to 0 or *ALWAYS* will allow an immediate Microphone re-triggering after the last alarm call was finished.

The GSM Watch would reply with *PANIC BUTTON RE-TRIGGER TIME CHANGED*

Note: Disarming the system will reset the Panic Re-trigger Timer.

3.28 Command “Set Input 1 Re-trigger Time”

Right after a trigger signal activated Input 1, new trigger signals might occur. Multiple calls and messages would be generated. Therefore it might be useful to prevent an immediate re-triggering of Input 1.



The SMS command *RETRIGGER3=* allows the user to set a period of time in which the system will not trigger a second Input 1 alarm event.

Setting the Argument to *NEVER* or a value > 999 the system will not trigger any new Input 1 alarm event unless the system is disarmed and armed again.

Setting the Argument to a value ranging from 1 ... 999 will set the Input 1 re-trigger time to 1 ... 999 minutes.

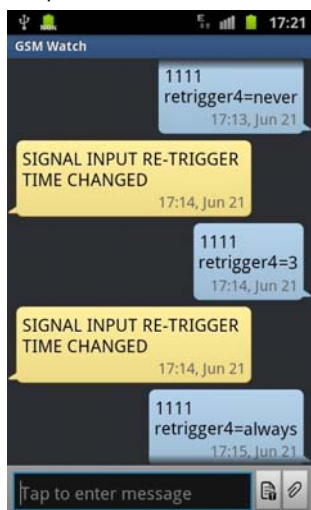
Setting the Argument to 0 or *ALWAYS* will allow an immediate Input 1 re-triggering after the last alarm call was finished.

In any case the GSM Watch would reply with *SIGNAL INPUT RE-TRIGGER TIME CHANGED*

Note: Disarming the system will reset the Input 1 Re-trigger Timer.

3.29 Command “Set Input 2 Re-trigger Time”

Right after a trigger signal activated Input 2, new trigger signals might occur. Multiple calls and messages would be generated. Therefore it might be useful to prevent an immediate re-triggering of Input 2.



The SMS command *RETRIGGER4=* allows the user to set a period of time in which the system will not trigger a second Input 2 alarm event.

Setting the Argument to *NEVER* or a value > 999 the system will not trigger any new Input 2 alarm event unless the system is disarmed and armed again.

Setting the Argument to a value ranging from 1 ... 999 will set the Input 2 re-trigger time to 1 ... 999 minutes.

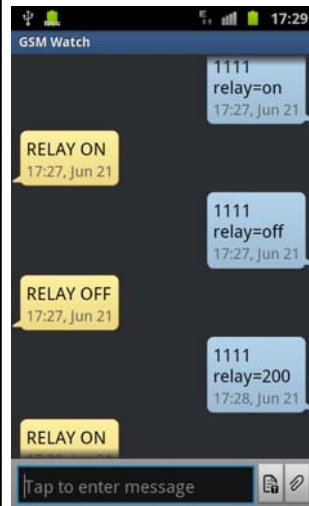
Setting the Argument to 0 or *ALWAYS* will allow an immediate Input 2 re-triggering after the last alarm call was finished.

In any case the GSM Watch would reply with *SIGNAL INPUT RE-TRIGGER TIME CHANGED*

Note: Disarming the system will reset the Input 2 Re-trigger Timer.

3.30 Command “Set Relay Output”

The GSM Watch provides one N/O Solid State Relay Output. The user might connect it to other devices like: Fixed Line Dialers, Sirens, Alarm Systems or Power Relays (for lamps and motors).



The SMS command *RELAY=* allows the user to switch the output ON or OFF for a certain time.

The Argument ON will switch the Output on for 60 seconds and then switches it off.

The Argument OFF or 0 will switch the Output off.

An Argument ranging from 1 ... 999 will switch the Output on for 1 ... 999s and then switches it off.

In any case the GSM Watch would reply with *RELAY ON* or *RELAY OFF*

3.31 Command “Set Relay Output Time while Alarm”

The GSM Watch provides one N/O Solid State Relay Output. The user might connect it to other devices like: Fixed Line Dialers, Sirens, Alarm Systems or Power Relays (for lamps and motors).



Beside using the SMS command *RELAY=* the Output can be switched after an Alarm Event happen (Panic, Microphone, Input 1 or Input 2 Trigger).

With the SMS command *RELAYTIME=* the user can define how long the relay shall be switched on after an Alarm Event.

The Argument NEVER or 0 would disable the Output function in case of an Alarm Event.

An Argument ranging from 1 ... 999 will program the Output to stay on for 1 ... 999s in case of an Alarm Event.

In any case the GSM Watch would reply with *RELAY OUTPUT TIME CHANGED*

Note: If programmed and in case of an Alarm event, the Relay Output stays active for the programmed time. However the user may reset it at any time issuing the SMS command *RELAY=OFF*.

3.32 Command “Set Input 1 Trigger Level”

The GSM Watch provides two inputs, which may trigger an Alarm Event. The logical state of an input decides whether the Alarm is triggered or not.. The User can set the logical level (0 or 1) at which an Input triggers the Alarm.



Logical Level 0 would trigger an Alarm between 0 ... 0.5V Input Voltage, nominal 0V.

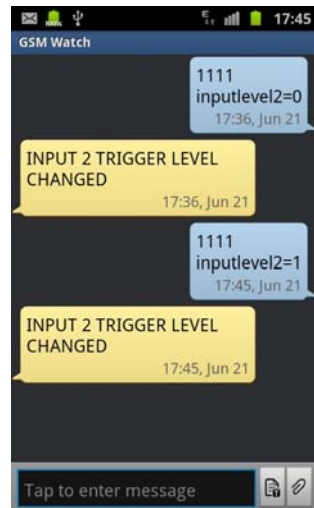
Logical Level 1 would trigger an Alarm between 7 ... 35V Input Voltage, nominal 12V.

The SMS command *INPUTLEVEL1=* can set the logical trigger level of Input 1

The GSM Watch would reply with *INPUT 1 TRIGGER LEVEL CHANGED*

3.33 Command “Set Input 2 Trigger Level”

The GSM Watch provides two inputs, which may trigger an Alarm Event. The logical state of an input decides whether the Alarm is triggered or not.. The User can set the logical level (0 or 1) at which an Input triggers the Alarm.



Logical Level 0 would trigger an Alarm between 0 ... 0.5V Input Voltage, nominal 0V.

Logical Level 1 would trigger an Alarm between 7 ... 35V Input Voltage, nominal 12V.

The SMS command *INPUTLEVEL2=* can set the logical trigger level of Input 2

The GSM Watch would reply with *INPUT 2 TRIGGER LEVEL CHANGED*

3.34 Command “Record Remote Device”

The GSM Watch provides the feature to connect up to 256 wireless Remote Devices to it, such as Remote Panic Buttons and Remote Arming and Disarming Keys.



Before a Remote device can work together with the GSM Watch, it needs to be linked to the GSM Watch.

The SMS commands *RECORD RC1 ... RECORD RC 256* are used to link the Remote Devices to the GSM Watch.

After reception of the SMS command the blue or red LED would start flashing. Now the user has got 10s time to record the new device by activating the Remote Device (e.g. by pressing a key on a Remote Control).

After the GSM Watch received the signal from the Remote Device it will try to store the new Remote Device on the requested location (1 ... 256). If the location already contains another device an error sound and error message will be generated.

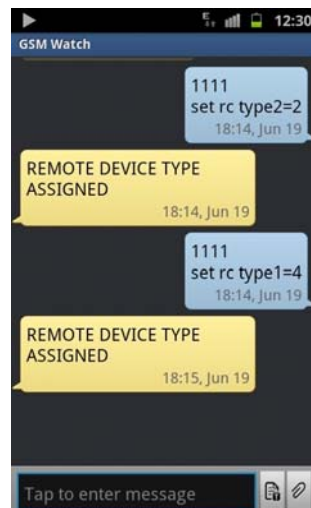
If the device was stored successfully an acknowledge sound and a acknowledge message will be generated.

If no Remote Device was activated within the 10s time span, the desired location will be deleted.

The GSM Watch would reply with *REMOTE DEVICE SET* or *REMOTE DEVICE ALREADY ASSIGNED* or *REMOTE DEVICE DELETED*

3.35 Command “Assign Type to Remote Device”

The GSM Watch provides the feature to connect up to 256 wireless Remote Devices to it, such as Remote Panic Buttons and Remote Arming and Disarming Keys.



After linking a new Device it will be set by default as Remote Panic Button. However other functionality is possible and may be assigned by the user using the SMS commands *SET RC TYPE1= ... SET RC TYPE 256=*

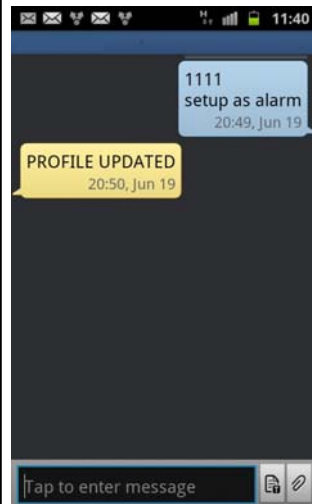
As Argument are currently allowed the following values:

- 1 => Remote Panic Button
- 2 => Arming Remote Device
- 4 => Disarming Remote Device
- 6 => Arming / Disarming Remote Device (Toggling)

In any case the GSM Watch would reply to a successful setting with *REMOTE DEVICE TYPE ASSIGNED*

3.36 Command “Setup As”

To speed up the setup process of the GSM Watch the device provides the SMS command *SETUP AS*. This command will setup certain recommended settings fitting to a particular application. Furthermore it sets Phone Number 1 to the mobile number sending the command.



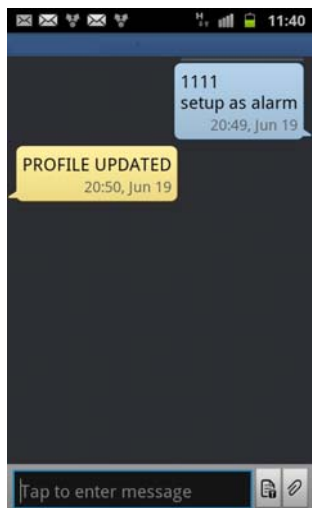
- *SETUP AS DIALER* sets recommended settings for usage as GSM Dialer as well as Phone Number 1
- *SETUP AS ALARM* sets recommended settings for usage as GSM Two Zone Alarm Panel as well as Phone Number 1
- *SETUP AS PANIC* sets recommended settings for usage as GSM Panic Button as well as Phone Number 1
- *SETUP AS BABY* sets recommended settings for usage as GSM Baby Phone as well as Phone Number 1
- *SETUP AS LISTEN* sets recommended settings for usage as GSM Listening device as well as Phone Number 1

In any case the GSM Watch would reply with **PROFILE CHANGED**

Note: Chapter 3.38 gives an overview about the settings which are effected by this SMS command.

3.37 Command “Set Profile”

To speed up the setup process of the GSM Watch the device provides the SMS command *SET PROFILE*. This command will setup certain recommended settings fitting to a particular application. It is very similar to *SETUP AS*, but does not modify the contents of Phone Number 1.



- *SET PROFILE=DIALER* sets recommended settings for usage as GSM Dialer
- *SET PROFILE=ALARM* sets recommended settings for usage as GSM Two Zone Alarm Panel
- *SET PROFILE=PANIC* sets recommended settings for usage as GSM Panic Button
- *SET PROFILE= BABY* sets recommended settings for usage as GSM Baby Phone
- *SET PROFILE= LISTEN* sets recommended settings for usage as GSM Listening

In any case the GSM Watch would reply with **PROFILE CHANGED**

Note: Chapter 3.38 gives an overview about the settings which are effected by this SMS command.

3.38 Recommended / Automated Settings for available Profiles

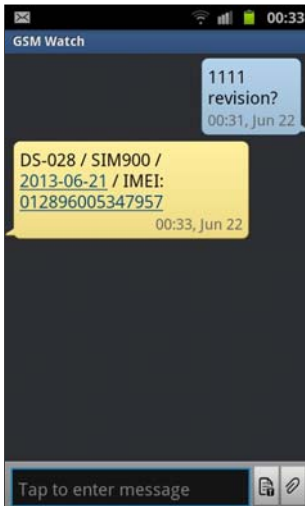
The SMS commands SETUP AS and PROFILE= will set several parameters recommended for different usage of the product (Profiles). The two commands will set the corresponding parameters according to the recommendation.

The following settings will be effected while applying these two SMS commands:

Profile	Call In Mode (after latest SMS with valid User Code was received)	Voice Activation (incl. Trigger Level)	Panic Activation (Hold Down Time)
DIALER	5 minutes	OFF	1s
ALARM	5 minutes	OFF	1s
PANIC	5 minutes	OFF	1s
BABY	ALWAYS	ON (Level 5)	1s
LISTEN	ALWAYS	OFF	OFF

Profile	Input 1 Activation (incl. Entry/Exit Time)	Input 2 Activation (incl. Entry/Exit Time)	Output Activation Time while Alarm
DIALER	ALWAYS	ALWAYS	3s
ALARM	20s	20s	3s
PANIC	NEVER	NEVER	3s
BABY	NEVER	NEVER	0s
LISTEN	NEVER	NEVER	0s

3.39 Command "Check Software Revision"



The GSM Watch is a complex product and constantly under improvement. Furthermore we offer to many of our clients custom software and hardware options.

Therefore it is important for our clients as well as our Service Team to be able to distinguish between the variety of options and versions.

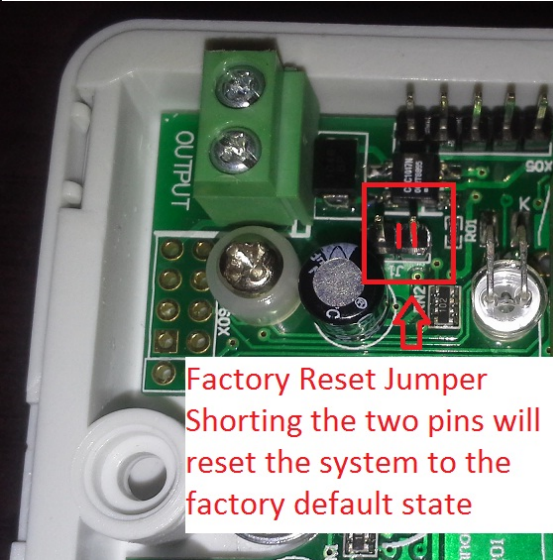
The SMS command *REVISION?* helps to recall the current hardware and software state of the product.

Following information are returned:

- Product code DS-028
- GSM Modem Part Number
- Software Revision Date
- IMEI (International Mobile Equipment Identifier)

4.00 Factory Reset and Default Settings

After shipment the product arrives with all the settings in a default state, called the Factory Default.



Any time the user is able to generate this state by shorting the two Factory Reset Pins, while the product is powered up.

The product will give several short acknowledge beeps.

The following table gives an overview of all Factory Default Settings:

Setting	Factory Default Setting	Notes / New Setting
Phone #1 ... Phone #8	Empty	
Service Phone Number	Empty	
Microphone Re-trigger Time (RETRIGGER1)	3 minutes	
Panic Button Re-trigger Time (RETRIGGER2)	ALWAYS	
Signal Input 1 Re-trigger Time (RETRIGGER3)	1 minute	
Signal Input 2 Re-trigger Time (RETRIGGER4)	1 minute	
Message 1	ALARM!	
Message 2	PANIC ALARM!	
Message 3	ALARM!	
Message 4	ALARM!	
Service Message	PLEASE CHARGE SIM CARD!	

Option	Factory Default Setting	Notes / New Setting
Call Mode 1 ... Call Mode 8	Call Only	
Dial Attempts	2	
Service Interval Time	0 (OFF)	
Input 1 Trigger Level	1 (high level)	
Input 2 Trigger Level	1 (high level)	
Voice Activation	ON (Level 5)	
Panic Button Activation	1s	
Signal 1 Input Activation	NEVER	
Signal 2 Input Activation	NEVER	
Output Activation Time	0s	
Voice Trigger Message	Message 1	
Panic Trigger Message	Message 2	
Input 1 Trigger Message	Message 3	
Input 2 Trigger Message	Message 4	

5.00 Type Label





6.00 Notes

Empty rectangular box for notes.

