



GPS-GSM-Tracker

GT-170 / GT-280

DEU

PRODUCT MANUAL

GPS-GSM-Tracker

GT-170 / GT-280

[Http://simvalley.com](http://simvalley.com)

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YOUR NEW GPS-TRACKER

Dear Valued Customer,

Thank you for purchasing your new Simvalley GPS-GSM Tracker. With the SimValley tracker, you're always informed without ever being there. Thanks to an SMS text message with the position coordinates and a link to Google Maps, you will know where the tracker is within a few meters. If no GPS signal is available, the tracker uses the GSM mobile network to determine its position, even in buildings!

Please read the manual and follow the listed instructions to ensure optimal use of the tracker.

What's Included

- GPS-GSM-Tracker
- Power Supply (120V and 5V USB)
- Charging Cable
- Battery (700 mAh)
- Software-CD
- Product Manual

You will also need a GSM mobile phone SIM Card (e.g. a prepaid card)

Product Variations

GT-170: GPS-GSM tracker with SMS location & Geofencing

GT-380: GPS-GSM tracker with SMS location, Geofencing and SOS emergency features



REFERENCE:

This document is a quick guideline on the first steps you should take for basic operation. The supplied software CD includes a complete manual.

IMPORTANT INSTRUCTIONS BEFORE STARTING

Safety Instructions & Warranty

- This manual provides you with the necessary operating instructions for this product. Be sure to keep this manual in a safe place, so you can access it at any time.
- This product includes a 2 year limited warranty on the perceived performance for normal use. Please note the terms and conditions!
- Only use the product in its intended manner. Any other use may cause permanent damage.
- Any rebuilding or modification of the product will affect product safety and may result in injury.
- Never open the product arbitrarily, unless to insert the SIM card and battery. Never attempt to repair the GPS device yourself.
- Handle the product carefully. It can be damaged if dropped from either high or low distances.
- Keep the product away from moisture and extreme heat
- Never fully immerse the product in water or other liquids



ATTENTION: We are not liable for consequential loss from the mishandling of this product



Disposal of Electronic Equipment

Your new product was designed with great care and made with high quality components. Nevertheless, one day, the product will need to be disposed of in the proper manner. The symbol of the crossed out bin indicates that your product must be disposed of separately from normal household waste.

When the product reaches the end of its life, please bring in all electronics to the proper electronic waste recycling in your local community. This will prevent the possibility of harmful effects on humans and the environment, which can result from the mishandling of products at the end of their lifespan. The improper disposal of electronic equipment from the consumer may be subject to fines. Please consult the local authorities for your designated location.

Declaration of Conformity

Pearl Agency GmbH, hereby declares that the GT-170 and GT-280 GPS trackers conform with the essential requirements and guidelines.

PEARL Agency GmbH
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26.07.2011

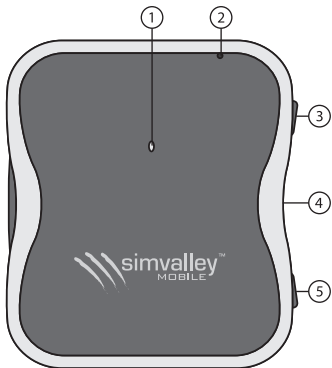
Handwritten signature in black ink, appearing to read "Michael R." with a period at the end.

The full declaration of conformity can be found at www.pearl.de. Click on the left side on the Support Link (FAQS, Driver & Co.). Then enter the article number in the search field.

BASICS

Product Details

1. Status-LED
2. Microphone*
3. ON/OFF Button
4. Charging Port
5. Emergency Call Button*



(* Only GT-280)

Preparation and Accessories Required

You will need either a contract or prepaid SIM card to use inside of the GPS Tracker in order for it to send a text message with the location data and other necessary information to your mobile phone. Virtually all SIM Card service providers are compatible. Although the tracker will accept contract SIM card service, prepaid SIM cards are recommended.

The SIM card cannot have the mailbox feature setup and the PIN lock must be disabled. If mailbox and PIN-lock is activated, you must remove both. Insert the SIM card into the mobile phone and follow the instructions provided by your phone and service provider to disable the mailbox and/or PIN-lock.

Overview of the Function

This device is a GPS-GSM Tracker which can be triggered by a SMS text message via your mobile phone. You can send an SMS text message with a specific command code to the phone number used in the tracker, to control its functions. Responses of the tracker can also be obtained via SMS text message. For example, you will receive a text message containing the current coordinates and a link to Google Maps, so you can easily find the position from either your Smartphone or a computer.

Core Functions

The Tracker has three core functions:

- **Location:**
On request by sending a mobile phone an SMS message with its current position data, including a link to Google Maps.

- **Tracking:**
Upon request via SMS to periodically send the GPS Tracker's position automatically. You may specify the period yourself (e.g. you can have the tracker send you it's position every 5 minutes)
- **Geofencing:**
If you activate the geofencing function, you can specify a radius (fence) around the current position of the tracker. Once the tracker exceeds your set radius, it will immediately send you a message

Emergency Call Function (only GT-280)

The SimValley GT-280 Tracker also has an emergency call function. In an emergency, you can send up to three saved numbers by pressing the emergency button.

GPS and GSM

The tracker uses GPS satellites (Global Positioning System) for precise determination of its position. Under certain circumstances, for example; in buildings, the tracker may not be able to receive a sufficient GPS signal. In this case, it will use the GSM mobile phone network to determine its position. Since the positioning by GSM is less precise than using GPS, it will only be used when GPS signal is not available.

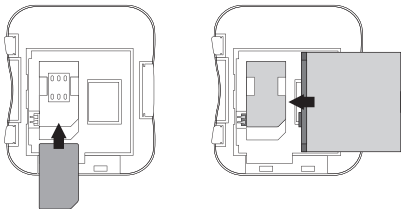
Instruction Code and Phone Guardian Password

To control the tracker, you can send SMS messages that contain a specific command code. These short messages must come from a particular phone number, called Phone Guardian, which you will set beforehand. The tracker will ignore messages sent from another mobile phone. (Exceptions are described in the relevant sections)

The command code sent consist of a sequence of numbers and characters as well as a password – a 4 digit number code that you can also specify during setup.

Inserting the SIM card and Battery

1. Loosen the tracker from the protective yellow rubber cover. Remove the 4 screws on the backside with a small Phillips screwdriver.
2. Open the case. If necessary, use a screwdriver to pry the casing carefully. Do not apply too much force or you may damage the housing. If the keys are loose here, see Step 5 (below).
3. Slide a SIM card into the slot. The gold contacts of the SIM card must touch each of the contacts on the card slot.
4. Insert the battery. Note: Insure the battery contacts line up with the points on the housing
5. If both buttons are loose, put it back into the recesses. Make sure the emergency call button (on the GT-280 or the black button on the GT-170) and the on/off button do not change.
6. Reconnect the housing and tighten the screws back in place. Then slip on the protective cover.



Charging the Battery

Connect the charging cable to the charging port on the tracker and connect the cable to an available USB port on your computer or the USB AC adapter. The LED will turn on to indicate that the tracker is connected. Once the charge is complete, the LED will turn off, indicating a complete charge.



NOTE:

The AC adapter charges the battery faster than the USB charger

Turning On and Off

Press and hold the On/Off button for a few seconds to turn on the GPS tracker. Hold the button down again for a few seconds to switch the tracker off.

Setup and Settings

- **Guardian Phone**

The "Guardian Phone" is the mobile phone from which the control signals are sent to the tracker and receive the SMS messages. To establish the guardian phone, send an SMS message with the content to the tracker's number (the number of the SIM card you inserted into the tracker):

***#188#0000#+1XXXXXXXXXX#**

If you have set a 4 digit password, replace it with 0000. In the meantime, you must use 0000 if you have not changed it. The XXX stands for the desired phone number. Make sure the correct area code/country code, instead of the prefix 0.



EXAMPLE:

Suppose you have the password changed to 3333 and want the phone with the number 1-408-123-4567 setup as a Guardian Phone. The command would be:

`*#188#3333#+14081234567#`

- **Password**

The password is a 4 digit number combination that you send with each command. The factory default password is 0000 (4 zeros). You should change your password directly from the primary settings. Select a random combination of number.

**ATTENTION!**

Keep the 4 digit password in a safe place to refer to incase you ever forget your password

To create a new password, send an SMS to the tracker with the following contents:

***#088#0000#BBBB#**

0000 stands for the old password for the new BBBB

- **Date and Time**

The current date and current time is also a set with an SMS. To do this, send the following SMS to the tracker:

***#55#0000#JJJJ-MM-TT#hh:mm:ss#**

0000 stands for your password, YYYY for the year, MM for the month, DD for the day, hh for the hour, mm for the minute, ss for the second

DETERMINING THE LOCATION

With the positioning function, you can request the current location of the tracker. Please send an SMS message with the command code and you will receive an SMS reply with the current position of the tracker

Calling for the Location

The command code for the determination of the position is:

***#88#0000#**

0000 stands for the 4 digit password

SMS Reply

In response, you will receive an SMS message with the following data.

- Lat: The current Latitude
- Lon: The current Longitude
- Date: The current date
- Time: The current time

A link from Google Maps is also included



NOTE:

If no GPS signal is available, the tracker sends the last recorded GPS coordinates and information in addition to GSM positioning. Use the supplied software to determine the location via GSM.

TRACKING, GEOFENCING AND MORE FEATURES

For additional notes on Tracking, Geofencing, the emergency call function of the GT-280 and additional functions, see the complete manual on the bundled CD.

Page

COMMAND OVERVIEW



NOTE:

To quickly recall the command codes, save them as an SMS template on your mobile phone



Caution:

Instead of AAA, you must always use the self-chosen password!

Funktion	Befehlscode	Anmerkungen
Location	*#88#0000#	
Activate Tracking	*#11#0000#y#	y = Interval in minutes
Deactivate Tracking	*#011#0000#	
Activate Geofencing	*#77#0000#x#y#	x = Radius in km (0.1, 0.5, 1.5) y = Interval in minutes
Deactivate Geofencing	*#077#0000#	

Funktion	Befehlscode	Anmerkungen
Activate Sleep Mode	*#44#0000#y#	y = Wakeup interval in hours
Deactivate Sleep Mode	*#044#0000#	
Activate SMS to Email	*#46#0000#YYYY#ZZZ@ZZZZ.ZZ#	YYYY = Provider-Number ZZZZ@ZZZZ.ZZ = E-mail address
Deactivate SMS to Email	*#046#0000#	
Retrieve Status	*#22#0000#	
GPS Status Check	*#45#0000#	
Guardian Phone Set	*#188#0000#+1XXXXXXXX#	XXXXXXXX = Phone Number
Password Set	*#088#x#y#	x = current password (4-digit) y = new password (4-digit)

Funktion	Befehlscode	Anmerkungen
Date/ Time Set	*#55#0000#JJJJ-MM-TT#hh:mm:ss	JJJJ = Year MM = Month TT = Day hh = Hours mm = Minutes ss = Seconds
Add contacts to SOS (only GT-280)	*#288#0000#+1xxx#+1yyy#+1zzz#	xxx, yyy, zzz = Phone Number. Leave blank to delete number
SOS Contact Status (only GT-280)	*#277#0000#	
Call back (only GT-280)	*#66#0000#	

