

REWIRE
SECURITY



104 PRO GPS TRACKER USER MANUAL

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I. Introduction

104 PRO GPS tracker can be used for locating any remote target by using GPS and send instant SMS or Internet reports to the user by using GSM and GPRS network. It is an ideal security solution for your vehicle as it is able to send real-time alerts and it enables you to immobilize your vehicle remotely at any time. 104 Pro can be used and tracked by either SMS or via our GPS tracking software – GPSTLive. GPSTLive allows its users to track and locate their personal, vehicle and assets in real-time. 104 Pro GPS tracker can also be used as a simple SMS text message tracker, making it even easier to track the location of 104 Pro when you're out and about. Simply call the 104 Pro tracker and it will reply back with an SMS text message with a link to Google maps showing its current location in real time. The 104 Pro comes ready to use out of the box and offers a powerful battery with up to 1 month battery for tracking a vehicle with the magnetic housing, enabling the tracker to be attached to metal surfaces.

Visit [GPSTLive](#) to get more information on our GPS Tracking platform.

User Manual for GPSTLive software can be [found here](#).

1. Main Features

- 1.1** Inbuilt or optional external GSM/GPS antennas.
- 1.2** Built-in 6000MA battery.
- 1.3** Magnetic base.
- 1.4** Real-time tracking.
- 1.5** Movement alarm, Geo-fence alarm, shock sensor alarm, remote monitoring.
- 1.6** SMS location reports with google map URL link.
- 1.7** Selectable standby modes

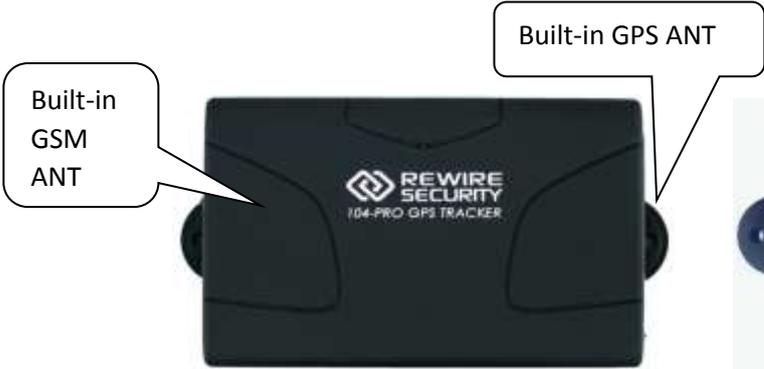
2. Applications

- Vehicle rental, Fleet Management
- Plant equipment tracking
- Suitable for boats, Motorhomes, Caravans and Trailers.
- Vehicle security
- Cargo container & Asset tracking

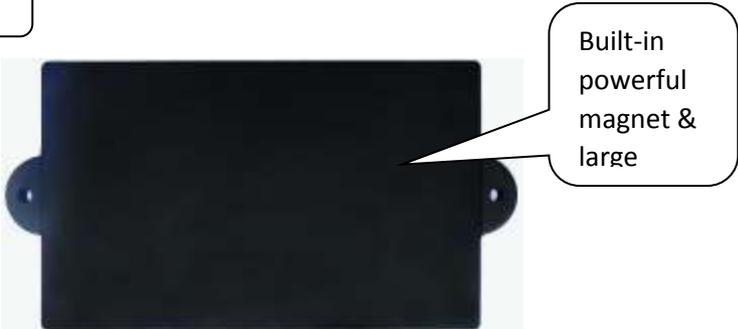
3. Hardware Description

The 104-Pro GPS tracker uses four different selectable power saving sleep modes to improve the standby duration. The tracker can be used as an SMS tracker or via our GPS tracking platform and offers scheduled SMS or online location updating at a set interval, these advanced features can be simply activated by SMS text message remotely, enabling you to configure your GPS tracker to your specific needs. Using these advanced settings you can get up to 60 days battery life off one charge. The 104-Pro magnetic tracker doesn't stop at just being a highly effective covert GPS tracker it can also be wired to any vehicle via. 12v or 24v, the tracker will be using it's internal 6000mAh battery as a backup for if power is lost.

3.1 Front Face

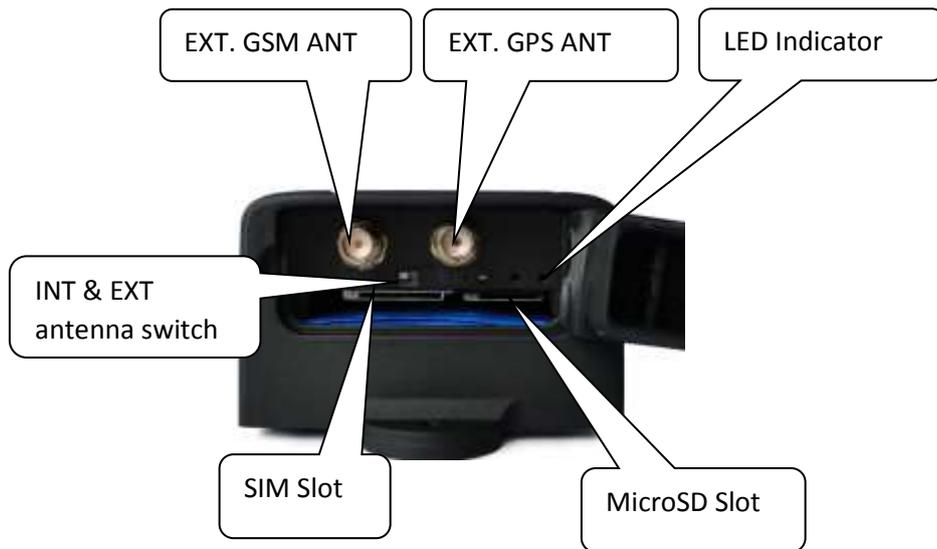


3.2 Rear Face



3.3 Side Face





3.4 Side Face



3.5 Side Face



4. Accessories

No.	Pictures	Name	Specs
1		AC Adapter	Input: AC 110-220V Output DC: 1.5A, 12V
2		Cigarette lighter socket Charging adapter	12V
3		GPS Antenna	3m cable
4		GSM Antenna	2m cable
5		Harness	4PIN
6		Relay	12V/40A OR 24V/40A (12v default, 24v optional)

5. Specifications

Content	Specifications	
DIM.	94mm*60mm*38mm	
Weight	300g	
Network	GSM/GPRS	
Band	850/900/1800/1900Mhz	
GPS sensitivity	-159dBm	
GPS Accuracy	5m	
GPS Start time	Cold status	45s
	Hot status	1s
EXT. power	DC 12 V -24V	
Operating Current	Sleep Current	1.8mA
	Deep sleep	0.6mA
	GSM operating Current	68mA ± 3mA
	GPRS Current(data transfer)	82mA ± 10mA
Battery	3.7V 6000mA/h Polymer battery	
Charge current	1A ± 0.2A	
Charge time	7h	
Standby time	Sleep	1-2 months
	Deep sleep	4-8 months
Storage Temp.	-40°C to +85°C	
Operation Temp.	-20°C to +65°C	
Humidity	5%--95% non-condensing	

II. Installation

1. Installation

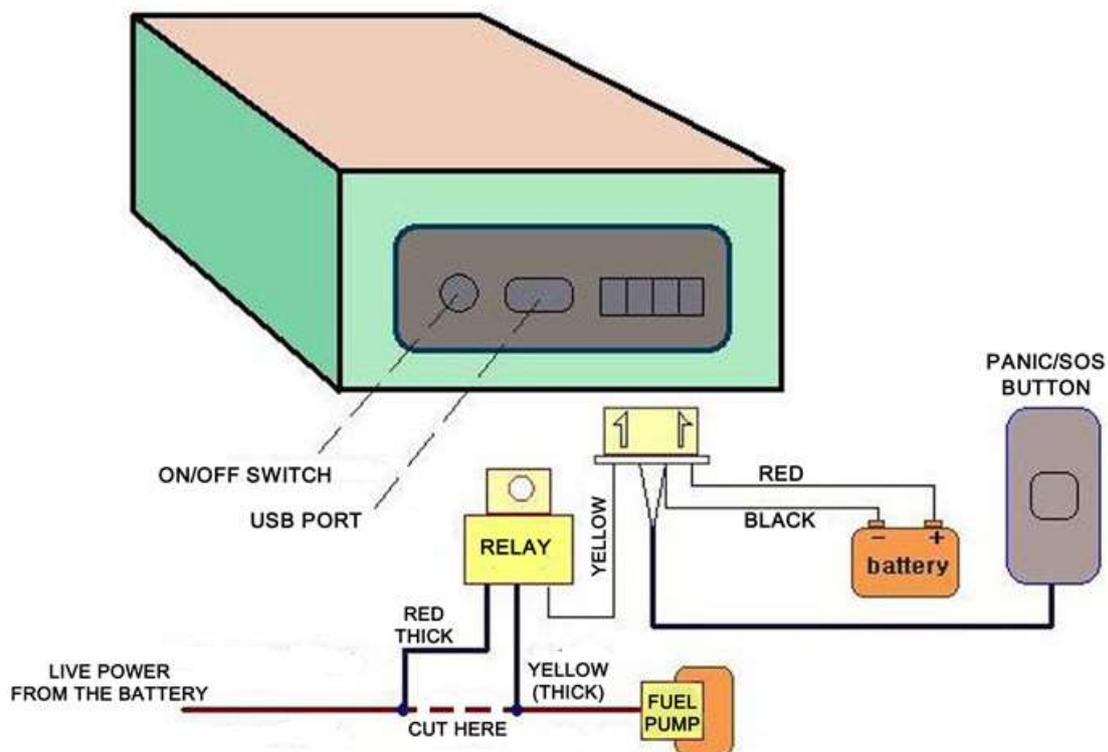
1.1 104-PRO can be either attached to a flat metal surface or mounted using the fixing brackets for permanent installation.

1.2 External GPS & GSM antennas are provided inside the box. These can be used to increase signal strength if required, depending on placement position.

1.3 If you intend to install in humid conditions, use weatherproof pouch accessory provided.

1.4 For permanent vehicle installation, use the 4 pin vehicle wiring loom supplied.

WIRING DIAGRAM



2. Internal / External Antenna Switch

If you wish to use your 104-PRO self-contained, without connecting external antennas, please move this switch to INT position (default position). If possible, use external antennas for permanent installation as these will provide a more accurate signal. After installing external antennas the switch should be moved to EXT position.

3. SIM Card Installation

Please make sure that your SIM card has been activated and that PIN code request is disabled. If you are using contract SIM card and would like to use GPRS tracking, make sure your SIM card's Internet is enabled. 104-PRO will only work with standard full-size sim cards. Please do not use a nano or Micro SIM card with the tracker .



Ensure that when communicating (Call/SMS) with the tracker your phone has caller ID enabled, otherwise you will not get any response from the tracker.

4. Charging

Please charge the unit for 8 hours before the first use. For charging the tracker;

Mains charge: Find the mains plug from the accessories. Connect the white JST plug into the provided socket.

Car charge: Find the car lighter charger from the accessories and connect to car cigarette lighter to charge the tracker inside the car.

Note: The battery should be charged between 8 - 12 hours before the first use. After the first use, 4-5 hours should be sufficient.

Red LED ON means it's being charged, LED OFF means fully charged.

III. Functions

Note: With SMS text message commands, you will notice that we have used “+” and “space” between some words;

“+” between two words means they should be written as one word, with no spaces between. "space" between two words means you should leave one character space.

e.g. sleep+123456+space+shock should be sent to the tracker as following; sleep123456 shock



1. Switching Your Tracker ON/OFF

To turn your tracker "ON", move the ON/OFF switch to the ON position, LED lights will flash, which shows that the tracker has been switched on.

2. Changing Your Tracker's Password

Send SMS "password+old password+space+new password" to your tracker to change its password. Passwords can only contain numbers. If you forget your password, you can restore it to the default password using the command "adminpassword13142324".

- Please note that you only need to change your password if you intend to share your tracker's phone number with other users and do not wish to give them access to its settings.

Example : password123456 99999

Response: password OK

3. Authorization process

You will need to add your phone number as the authorized number if you wish to receive any alerts or scheduled reports. If you only wish to use this device for tracking via SMS or GPRS, you can skip the authorization process. Authorization can be done in two different ways:

A-) Dial the tracker's number 10 times from your mobile phone and it will register your mobile phone number as the authorized number automatically. Each time you call your tracker, it will ring 3-4 times, hang-up and reply with a location report SMS.

B-) Send SMS "admin+password+space+cell phone number" to set up an authorized number. All the other authorized numbers must be set by the first authorized number.

Example: admin123456 07776665544

Response: admin OK!

To delete authorization: Send SMS “noadmin+password+space+authorized number” to delete the authorized number.

Example: noadmin123456 07776665544

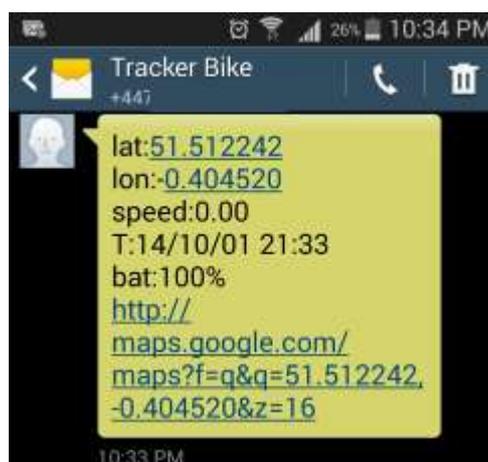
Response: noadmin OK!

4. SMS Text Message Locating

If there aren't any authorized numbers set-up, 104 PRO will reply to all calls with a location report. If there are authorized numbers set-up, only authorized numbers will be able to receive location report from the tracker.

The SMS text message will include coordinates, current speed, time and date. It will also contain a direct Google Map link for smartphone users. Once you click on the link, it will instantly open up Google Map for you to see the location of your vehicle.

*If you request your tracker's location when it does not have sufficient GPS signal, it will respond with a text message but will not contain any coordinates. Once it acquires enough GPS signal it will send another text message with its latest coordinates.



5. Interval Tracking

104 PRO can send automatic location reports at set intervals. If SMS mode is active, reports will be sent as SMS text messages. If GPRS tracking mode is active, update intervals to the server will be adjusted.

5.1 Continuous Interval Tracking

Send SMS "fix030s***n+password" to the tracker. It will reply with its location continuously at 30 seconds intervals. e.g. fix030s***n123456

Note: Minimum value for this setting is 10 seconds.

Example: fix030s***n123456

5.2 Smart Tracking Using Time and Distance Intervals

Interval tracking must be activated before using this mode.

Send "distance+password+space+distance". The tracker will reply "Distance ok". The tracker will upload its location at preselected time intervals and distance.

Example: distance123456 0050

Response: distance OK

This will configure the 104 PRO to update its location every 50 meters.

5.3 Turning Interval Tracking "OFF"

To cancel interval tracking send SMS command "nofix+password" to your tracker.

Example: nofix123456

6. Smart Update

The tracker will upload its position automatically to the web server when the vehicle changes driving direction over pre-set angle value to form a smooth trajectory consistent with the corner. This function is only effective in GPRS mode. Send "angle+password+space+angle" to the tracker, it will reply "angle ok".

The angle must be 3 digits, default angle value is 30 degrees.

Example: angle123456 45

Response: angle ok

7. GPS Drift Suppression

This function is deactivated by default. Send "suppress+password" to the tracker to activate, it will reply "suppress drift ok". The GPS data will stop updating if the vehicle is stationary. GPS data will update automatically once the vehicle starts moving.

Example: suppress123456

Response: suppress ok

To Cancel: Send "nosuppress+password" to the tracker, it will reply "nosuppress ok".

Example: nosuppress123456

Response: suppress ok

8. Exact Street Address by SMS

You must set the APN of your GSM network provider for the SIM card used in tracker before using this function. If your local GSM network requires username and password for GPRS, please set it up according to the GPRS instructions in chapter VII. Send SMS "address+password" to your tracker after the APN has been set and it will reply with the exact address including street name.

Example: address123456

Response: 20a Park Street, Clifton, Bristol, bs1 5ja

9. Cell-ID Locating (LBS)

If 104 PRO is unable to establish a solid GPS fix, it will calculate its location using the Cell-id info. Location reports will include the GPS coordinates of the last known position as well as a LAC code. You can also send command "address+password" to the tracker to request exact address. 104 PRO will automatically switch to tracking by LBS in GPRS mode. The accuracy of LBS (also known as Cell-id tracking) depends on the distance to the nearest GSM Network Cell Tower or Base Station. In urban areas, this accuracy varies between 25-100 meters.

10. Status Enquiry

Send SMS "check+password" to your tracker to check its status.

Example: address123456

Response: Power: Power ON / OFF

Battery: 0 / 100%

GPS: OK / NO GPS

GSM Signal: 1 / 32 (32 is the strongest signal level)

11. IMEI Number Enquiry

Send SMS "imei+password" to the tracker and it will respond with IMEI number of its GSM module.

Example: address123456

Response: 359710055669875

12. Time Setting

Send SMS command "time+space+zone+password+space+time" to 103-RS, It will reply "time OK".

Example: time zone123456 1 (1 is gmt +1 UK time zone)

Response: time ok

If you are in minus time zone, send the time zone command with a "-" symbol.

Example: time zone123456 -8

Response: time o

13. Voice Surveillance

104 Pro is in Tracking mode by default. When voice surveillance mode is activated, it will automatically answer incoming calls rather than replying with an SMS location report. To activate the voice surveillance mode, send SMS "monitor+password" to the tracker. It will reply "monitor ok" and switch to "monitor" mode.

Example: monitor123456

Response: monitor OK

Do not forget to switch back to tracker mode once you have finished using the voice surveillance. When your tracker is in monitor mode it will stop updating its position and it will shut the GPS module "OFF". To change back to tracker mode, use command "tracker+password".

Example: tracker123456

Response: tracker OK

14. Data Logging

Auto Logging: If 104 PRO loses GSM or GPRS signal, it can store GPS information automatically on to the flash drive upon the pre-set conditions. When GSM signal is back to normal, all the event alerts will be auto-sent to the authorized numbers or live tracking server.

Continuous Logging: You can manually set your tracker to save GPS data to the micro sd card continuously, independent from the GSM or GPRS. This will allow you to use your tracker as a GPS logger.

To activate continuous GPS logging, send SMS command:

"save030s***n+password" to your tracker, it will reply "save ok" and start saving it's GPS position information to the micro SD card every 30 seconds.

Example: save030s***n123456

Response: save ok

Logging Clearance: Send SMS "clear+password" to tracker device, it will reply "clear ok" and delete all GPS position information stored on the micro SD card.

Example: clear123456

Response: clear ok

Logging Volume: Built-in flash 1MB (store about 16,000 positions). This volume can be expanded by using a Micro SD card which can be inserted into the provided slot. A 2GB card would be sufficient for up to 10 months.

Data logging function also enables you to use this tracker as a GPS logger. You can download the location data to your PC by using the free PC software provided, through USB connection.

15. Forwarding Incoming SMS Messages

104 PRO can forward incoming messages from pre-set third party number. To activate this function, send "forward+password+space+third parties phone number" from an authorized phone number. The tracker will reply "forward ok", and start forwarding SMS messages received from that number. Only one number can be set-up for SMS forwarding.

Example: forward123456 07776665544

Response: forward ok

To cancel SMS forwarding: Send SMS command "noforward+password".

Example: noforward123456

Response: no forward ok

16. Remote Immobilizing

Send command "stop+password" to 103-RS. Once the immobilize function has been executed, it will reply "Stop engine Succeed". It will remain immobile until you send a command to resume the fuel supply. Before using the stop command, please select execute immediately mode or normal mode;

Example: stop123456

Response: Stop engine succeed

Remote Fuel Resume: Send "resume+password" to the tracker, it will reply "Resume engine succeed", this means the 104 PRO will now resume the fuel & power supply.

Example: resume123456

Response: Resume engine succeed

17. Reboot

Send SMS "reset+password" to the tracker to restart the GSM module and GPS module. It will reply "reset ok".

Example: reset123456

Response: reset ok

18. Standby Modes

18.1. Timed Standby After 5 Minutes

In this standby mode, 104-PRO will change to standard standby mode if there has been no activity for 5 minutes. (No calls or Text commands); GPS module and Led light will switch OFF, GSM module (phone line) will still be ON. It will wake up and turn the GPS module ON only if you call it to request position or send an SMS command. If movement sensor or shock sensor alarm is active this standby mode will not work. This standby mode is ideal if you would only like to use SMS location request tracking. To activate send SMS command "sleep+password+space+time" to your tracker.

Example: sleep123456 time

Response: sleep time ok!

18.2 Standby With Shock Sensor

In standby with shock sensor mode, 104-PRO will enter sleep mode if it has been stationary (no vibration) for 5 minutes. GPS module and LED lights will shut off, GSM module will still stay ON. As the GSM module will be ON, you will still be able to communicate with the unit directly. Vibration, movement, sending SMS commands or Calling the 104-PRO will wake it back up. To activate send SMS command: "sleep+password+space+shock".

Example: sleep123456 shock

Response: sleep shock ok!

18.3 Deep Standby Mode With Shock Sensor

When activated, after being stationary for 5 minutes without any vibration or movement, 104-PRO will switch to deep standby mode with shock sensor. GPS, GSM and led light will be OFF. Only vibration or movement can wake the tracker back up from Deep Sleep by Shock Sensor mode. Once it's awake, it will automatically send a notification message to the authorized numbers. As the GPS and GSM modules will be OFF, you won't be able to communicate directly with the tracker. However, if you send an SMS command, it can receive and process this command as soon as it wakes up from Deep Sleep mode.

For constant live internet tracking (GPRS), deep standby mode with shock sensor provides the longest battery life with a single charge as the GSM module (phone line) will also be OFF. Please note that the auto interval setting used for live tracking will override this the standby and keep the 102-NANO awake so GPRS economy mode should also be activated. Please use both commands; "sleep+password+space+deepshock" and "less+space+gprs+password+space+on"

Example: sleep123456 deepshock

Response: sleep shock ok!

Example: less gprs123456 on

Response: sleep shock ok!

Please note that by default each time the 104-PRO wakes up from deep sleep, it will send a notification SMS message to authorized numbers. You can cancel this function anytime by sending SMS command: "wake+123456+space+off". This way you will not get an SMS notification each time it wakes up.

Example: wake123456 off

Response: wake off ok!

18.4 Schedule Work Standby Mode

In scheduled work standby mode, 104-PRO is able to switch itself OFF and only wake up at pre-set intervals. When it wakes up it will work for 5 minutes, report its location (SMS or Internet) and switch OFF. If you are using your 104-PRO in live, internet tracking mode and would like to use schedule work mode,

you will also have to activate less GPRS mode. If GPRS economy mode is not active the auto interval update will override the schedule standby and keep your tracker awake.

To activate schedule work standby mode send schedule work sms command and GRPS economy mode command; "schedule+password+space+time interval" and "less+space+gprs+password+space+on"

Time interval settings are ;

m= minutes , h=hours, d= days. Maximum schedule setting is 30 days.

Example: schedule123456 30m

Example: schedule123456 5h

Example: less gprs123456 on

Response: sleep shock ok!

Schedule work standby mode will provide the longest standby duration as power usage will always stay at minimum possible levels. GPS, GSM modules and the shock sensor will switch off and only the timer will be consuming power. Please see approximate battery standby durations below;

2 updates per day = 8 months

4 updates per day = 4 months

8 updates per day = 8 weeks

24 updates per day = 4 weeks

To cancel schedule work standby mode send SMS command:

"noschedule+password"

Example: noschedule123456

Response: noschedule ok!

18.5 Switching Standby Modes OFF

All standby modes can be switched off by sending SMS command:

"sleep+password+space+off". Please note if you are using your 104-PRO in self-contained, self-powered mode, we do not recommend turning standby modes off as the battery standby duration will be reduced to 3 days.

Example: sleep123456 off

Response: sleep off ok!

IV. Alarms

1. Geo-Fence (Virtual Fence)

This function allows you to create safety zones of your choice. When 104 PRO enters or leaves this pre-determined zone, it will send geo-fence alarm warning to authorized numbers.

When the unit stays immobile in a place for 3-10 minutes, you can send SMS "stockade+password+space+latitude,longitude;latitude,longitude" to the unit to set the restricted area. In case of a breach, it will send SMS "stockade!+location" to the authorized numbers every 3 minutes. The tracker will stop sending an alarm if the tracker returns to the restricted area.

Note: The first latitude & longitude is coordinate of the top left corner of the Geo-fence, while the second latitude & longitude is the coordinate of the bottom right corner.

Example: stockade123456 51.460959, -2.622643; 51.456842, -2.604446

Response: stockade ok!

You can obtain coordinates of any location from Google Maps by clicking on the desired location and selecting "what's here?"

To Cancel: Send SMS "nostockade+password" to deactivate this function.

Example: nostockade123456

Response: nostockade ok!

2. Multi-Area Management

2.1 How To Set an Area for Multi-management

Send SMS command:

"area+password+space+latitude,longitude+space+areaname,distance" to the tracker (distance unit: M for meter, K for kilometer). Tracker will reply "area01ok".

Example: area123456 22.353648,113.543678 school,800M

Response: area ok!

Note: 5 areas at most and the distance between two points can't be less than the total distance in the 2 commands. Different areas can't cover each other.

2.2 Delete Areas

Send SMS command: "noarea+password+space+area name", 104-PRO will reply: "noarea ok".

Example: noarea123456 school

Response: noarea ok!

2.3 Rename and Set Distance

Send SMS command: "rename+password+space+old name;new name,distanceM" to the tracker. If "name" is not repeated and "area" doesn't cover other areas, it will reply "rename ok!" if the configuration was successful.

Example: rename123456 area01;school,800M

Response: rename ok!

2.4 Activate Multi-area Management

Send SMS command: "area+password+space+on" to the tracker and it will reply "Area on ok!". When the tracker enters the preset area, it will send SMS "area location" to all the authorized phone numbers, and it will send the same SMS when it goes out of the area.

Example: area123456 on

Response: area on ok!

2.5 Deactivate Multi-area Management

Send SMS command: "area+password+space+off" to the tracker, it will reply "area off ok!"

Example: area123456 off

Response: area off ok!

3. Movement Alarm

Setup: When the unit stays immobile in a place for 3-10 minutes with GPS signal reception you can send SMS “move+password+space+0200” to the tracker. This will activate the movement alert with an area radius of 200 meters. Maximum radius limit is 999 meters. 104 PRO will reply “move OK”. In case of such a movement, it will reply SMS "move+location" to the authorized numbers at 3 minutes intervals.

Note: Setting the radius less than 100 meters may result in false movement alert. The fault alert occurs if GPS position is miscalculated due to bad GPS reception. Inaccurate GPS reading will cause the 104PRO to think that it is in a different location, possibly further from its current location, thus the processor will accept this as a movement and trigger the movement alarm. However, this may only occur if the 104 PRO is installed improperly in a place where it can't receive a good signal.

Example: move123456 0200

Response: move ok!

To Cancel: Send SMS “nomove+password” to deactivate the movement alarm.

Example: nomove123456

Response: nomove ok!

4. Over Speed Alarm

Over speed alarm will be triggered when tracker exceeds speed limit predetermined by you.

Setup: Send SMS “speed+password+space+speed” to the tracker and it will reply “speed ok!”. This means that you have set up over speed alarm successfully.

For example: “speed123456 080” 080 refers to 80km/h. When tracker’s speed exceeds 80km/h, the tracker will send SMS “speed+080!+ location” to authorized numbers.

Example: speed123456 100

Response: speed ok!

To cancel: Send SMS “nospeed+password” to deactivate the over speed alarm.

Example: nospeed123456

Response: nospeed ok!

Note: Minimum recommending speed alarm setting is 30km/h.

5. Accident Alarm

When tracker detects very strong vibration it will assume that an accident has occurred and it will send SMS " Accident!+location " to all authorized phone numbers.

To Cancel: Send"noaccident+password" to cancel accident alarm.

Example: noaccident123456

Response: noaccident ok!

6. Shock Sensor Alarm

Setup: Shock sensor alarm is deactivated by default. To activate send SMS “shock+password” to the tracker, and it will reply “Shock is activated!”, this means shock sensor alarm has set up successfully. When the tracker detects vibration, it will send SMS “Sensor alarm+location” to authorized numbers.

Example: shock123456

Response: shock ok!

To Cancel: Send "noshock+password" to cancel the shock sensor alarm.

Example: noshock123456

Response: noshock ok!

Shock sensor sensitivity configuration:

The sensitivity of the built-in shock sensor has three different levels:

First level: Alarm will be triggered after detect slight vibration, send command" sensitivity+password+space+1" .

Second level: Alarm will be triggered after detect 8 times vibration in 2 seconds, send command" sensitivity+password+space+2".

Third level: Alarm will be triggered after detect 25 times vibration in 5 seconds, send command" sensitivity+password+space+3".

Example: sensitivity123456 2

Response: sensitivity ok!

7. Low Battery Alarm

Low battery alarm helps users know when the battery of 104-PRO is low. It sends 3 notification SMS messages to authorized numbers; at %10, at %5 and just before it's completely flat. Low battery alarm is active by default, send SMS "lowbattery+password+space+off" to deactivate.

Example: lowbattery123456 off

Response: low battery off ok!

8. Power Off Alarm

This function is deactivated by default. Send SMS command " extpower+password+space+on" to activate, it will send SMS "power alarm+location" to authorized numbers every 3 minutes if the external power has been cut off.

Example: extpower123456 on

Response: extpower on ok!

To cancel: Send SMS " extpower+password+space+off" to deactivate it.

Example: extpower123456 off

Response: extpower off ok!

9. GPS Blind Spot Alarm

This function is deactivated by default. To activate Send SMS command “gpssignal+password+space+on”, it will send alert SMS “no gps+last valid location before signal loss”

Example: gpssignal123456 on

10. Restore to Factory Defaults

All settings on your 104-PRO can be restored to factory defaults by sending SMS command: "begin+password"

Example: begin123456

Response: begin ok!

V. Live Internet Tracking (GPRS) Setting

GPRS tracking mode allows 104 PRO to upload its location data to a web server at preset intervals. Live tracking server provides access to real-time tracking, tracking history, statistics and many more.

1. Setting Up The APN

APN stands for Access Point Name and differs with each GSM network and is required for a SIM card to have mobile data (internet) access. For more information, contact your local SIM card network operator. Send SMS “APN+password+space+APN”, the tracker will reply “APN OK” if succeeded.

Example: apn123456 everywhere

Response: apn ok!

Note: Below is the APN codes for pay as you go services of Lyca, EE UK GSM networks. The APN varies with different GSM network operators in different countries, please check with your local GPRS network operator to get the correct APN. Please see examples below for some popular UK networks;

apn123456 data.lycamobile.co.uk	-Lycamobile UK
apn123456 uk.lebara.mobi	-Lebara UK
apn123456 giffgaff	-Giff Gaff UK

2. GPRS User Name and Password Setup

Most networks do not require password authentication while setting up the APN. However, if your network requires this setting please configure as following:

Send SMS “up+password+space+user+space+password”, If succeeded, the tracker will reply “user, password ok!”.

Example: up123456 everywhere everywhere

Response: user, password ok!

Note: 123456 is the password for the tracker, data is the username for GPRS login, access is the password for GPRS login.

3. IP and Port Setup

This setting will configure the 104 PRO to upload its location to the selected server.

Send SMS “adminip+password+space+IP+space+port” to the tracker. It will reply “adminip ok” if succeeded.

Example: adminip123456 listener.gpslive.co.uk 10200

Response: user, password ok!

e.g. adminip123456 listener.gpslive.co.uk 10200 Tracker will reply “adminip ok” if succeeded. This will configure your 104-PRO to send data to our tracking server which can be accessed from <https://gpslive.co.uk/>.

Note: listener.gpslive.co.uk is the IP address of the server and 10200 is the port. 104-PRO is set to work with our UK based server www.gpslive.co.uk's IP address and port by default.

4. Modes Switch Between “SMS” and “GPRS”

The default mode is “SMS”.

Send SMS “GPRS+password” to the unit, and it will reply “GPRS ok!” This means tracker has switched to “GPRS” mode.

Send SMS “SMS+password” to the unit and it will reply “SMS ok!” and restore to “SMS” mode.

5. GPRS Economy Mode

GPRS economy mode helps the 104-PRO to close the internet connection if the vehicle has been stationary for more than 5 minutes. This feature helps the 104-PRO to preserve battery power and consume less internet data. GPRS economy mode is activated by default. To deactivate, send SMS command: “less+space+gprs+password+space+off”.

Example: less gprs123456 off

Response: less gprs off ok!

VI. Troubleshooting

Faults	Analyze	Solution
NO LED LIGHT	BATTERY IS FLAT	CHARGE THE BATTERY OR WIRE THE UNIT TO EXTERNAL POWER
NO GSM signal Or Dial tone	<ol style="list-style-type: none"> 1.GSM antenna is not connected properly. 2.Sim card is not activated 4.Sim card is not installed correctly. 5.No GSM coverage in the area. 6. Sim card is damaged/faulty 	<ol style="list-style-type: none"> 1.Check GSM antenna connection 2. check SIM CARD installation or change the SIM CARD.
There is a dial tone But the tracker is not responding To SMS commands	<ol style="list-style-type: none"> 1.Sim card doesn't have any Top-up credits. 2. Incorrect password 	<p>Check if the correct password is used with Commands. The password can be restored to the factory default 123456 By sending adminpassword13142324. Check sim card credit balance</p>
Tracker responds To SMS command But does not send Google link SMS when called	Authorization issue	<ol style="list-style-type: none"> 1- Check if you are calling from an Authorized number. 2- Make sure you have caller id enabled. 3- Try authorizing your number (admin) In international format. (e.g. +44)
No GPS fix/ Inaccurate GPS Location report	<ol style="list-style-type: none"> 1. GPS reception is poor. 2. GPS antenna is not connected properly. 	<ol style="list-style-type: none"> 1.Place the tracker in an open area 2.Check connection of GPS antenna
GPRS (internet) Connecting Fail Or no DATA On live tracking server	<ol style="list-style-type: none"> 1.APN is wrong/ not entered 2.SIM card GPRS services are Not enabled by the network 3. Adminip (server IP) or Port incorrect. 4. Interval updates are not Enabled (fix command) 5. GPRS is not enabled (gprs123456 command) 	<ol style="list-style-type: none"> 1. Configure APN, IP and port again. 2. Activate SIM card GPRS service 3. Check if SIM card has credits 4. Check GPRS settings 5. Check interval settings (fix) 6. Check if the tracker has GPS Location fix established

VII. LED Indicator Status

LED Indicator	Status	
Power LED (Red)	Red LED flash	Low power
	Red LED ON	Charging
	Red LED OFF	Fully Charged
GSM LED (Green)	ON	NO GSM reception
	Quick flash for each second	GSM Mode
	Slowly flash for each 3 seconds	GPRS Mode
GPS LED (Blue)	OFF	No GPS reception
	Quick flash for each second	Good GPS reception

Thank you for purchasing 104-PRO Please read this manual carefully before using this product. Please note that product specifications and information in this user guide are subject to changes without prior notice. Any changes will be integrated into the latest release. The manufacturer assumes no responsibility for any errors or omissions in this document.

By purchasing the 104-PRO you agree our terms and conditions, view Terms and Conditions here: <https://www.rewiresecurity.co.uk/terms>