SMS COMMAND

V1.22

[Pretrace Technology]

Content

1 Copy Right

2 Revision

File Name	Pretrace SMS Command	Author	Cici Liang
Revision	V1.22	Create Time Update Time	2015-09-22 2016-05-26
Total Page	13 Pages	Document Type	External Document
Updating			
2016/5/26	Add Commands of: sms track, default, led lights, version, g-value setting		

3 Format Description of SMS Command

From mobile phone to tracker:

1)   For setting parameter:

pw****, command=<parameter>**

2)   For enquiry the parameter:

pw****,command?**

From tracker to mobile phone:

1)   Set <parameter> ok   (For replying setting)

2)   <Parameter>   (For replying enquiry)

Note:

"pw" is the mark of SMS command, the abbreviation of "password".

"******"is user's password, 6 digits, defaulted is 123456.

"?"   symbol can not be missing when for enquiry.

Example:

SMS Send：pw123456,position?

SMS Get： 2015.01.01 00:10:32 000Km/h http://maps.google.com/maps? q=N22.123456,E.114.123456

Description:

"pw"=command mark

"123456"=password

"position"=command

"?"=enquiry command symbol

"2015.01.01 00:10:32 000Km/h http://maps.google.com/maps? q=N22.123456,E.114.123456"=parameter

4 SMS Commands List

4.1 Set APN (For All Models)

Format	pw******,apn=apn, apn user name, apn password
Respond	Set apn ok.
Description	APN is the abbreviation of Access Point Network. This is your network operator's access point name. If no APN user name and password required, please leave them blank, but the comma symbol can Not be missing.
Example SMS Send	pw123456,apn=cmnet,,
Example SMS Get	Set apn ok.

4.2 Set Time Zone (For All Models)

Format	pw******,zone=time value
Respond	Set time zone ok.
Description	Time default is the GMT time; it's set to fix your local time. The maximum value is 12. Using '+' in front of the value for Eastern time, Using '-' for in front of the value for Western time.
Example SMS Send	pw123456,zone=+8
Example SMS Get	Set time zone ok.

4.3 Set IP & Port (For All Models)

Format	pw******,server=server ip,port
Respond	Set ip and port ok.
Description	IP: IP name or domain, max 30 byte. Port: Max value 65535 Here the IP and Port is set for sending data to the specific tracking platform.
Example SMS Send	pw123456,server=58.96.175.206,6970
Example SMS Get	Set ip and port ok.

4.4 Set Tracking Interval

4.4.1 Set Tracking Interval (For TC55/TC56)

Format	pw******,interval= time interval 1(s), time interval 2(s),distance interval(m), heading change interval(d)
Respond	Set interval ok
Description	This command is set the report frequency for receiving tracking data from the device. It is able to set 3 kinds of intervals (time, distance and heading change) in parallel. Interval value with unit. Default setting is the time interval working only, distance and heading change interval is closed. Default setting: 30s,600s,0m,0d **Time interval:** unit in second. One interval time is set for vehicle moving (ACC on), another interval is set for vehicle parking (ACC OFF). When there is no **continued** movement within 5 minutes, GPS module will sleep, GSM module and MCU still run. Device will enter into sleep mode and send data by the second interval time (Parking interval). **Distance interval:** unit in meter. **Heading change interval:** unit in degree. Interval=0, means this interval setting is closed. Notice: It is not recommended to use all of the intervals in parallel tracking, which will bring too frequent data and lead to high cost of GPRS.
Example	SMS Send	pw123456,interval=30s,600s,0m,0d *(This command means, when vehicle moving, data will be sent every 30 seconds; when parking, data will be sent every 10mins. Closed the distance and heading interval.)*
	SMS Get	Set interval ok

4.4.2 Set Tracking Interval Time (For TC80/TC85)

Format		pw******,interval= time interval 1, time interval 2
Respond		Set interval ok.
Description		This command is set the report frequency for receiving tracking data from the device. 'time interval 1'is set for running mode, 'time interval 2 ' is set for deep sleep mode. Unit is minute. Default setting: 10, 60.
Example	SMS Send	pw123456,interval=10,1440 *(This command means, data will be sent every 10 minutes before the device enter into deep sleep mode; data will be sent every 24 hours after it enter into deep sleep mode.)*
	SMS Get	Set interval ok.

4.5 Set Administrator /Authorization (For All Models)

Format		pw******,admin=+/-phone number
Respond		Add admin number ok.
Description		This command is set the authorization numbers for getting SMS location data and alarm message. Pls. add the authorized number by plus sign (+) in front of the phone number. Delete the authorized number by minus sign (-) in front of the phone number. Max 3 authorized numbers can be set. Notice: Pls. add the country code together with your phone number if your Simcard is not local number. For example: pw123456,admin=+008615812345678
Example	SMS Send	pw123456,admin=+13356785239
	SMS Get	Add admin number ok.

4.6 Enable SMS Tracking (For All Models)

Format	pw******,SMS track=yes/no	
Respond	Enable sms tracking ok!/Cancel sms tracking ok!	
Description	New status=yes, gps location message will be sent to the mobile phone automatically when reach to the pre-set interval time. New status=no, gps location message will not sent to the mobile phone automatically.(but the alarm message will still send to the mobile phone on time)	
Example	SMS Send	pw123456, SMS track=yes
	SMS Get	Enable sms tracking ok!

4.7 Set Geo-fence Alarm (For All Models)

Format	pw******,fence=latitude1,logitude1,latitude2,logitude2	
Respond	Set geo-fence alarm ok / Delete geo-fence alarm ok	
Description	These latitudes and longitudes makes a square geo-fence region. Using 'n','s','e','w' to indicate north, south, east, west. When the device out or enter into the fence region, it will alarm. Set "fence=0,0,0,0", means cancel geo-fence alarm.	
Example	SMS Send	pw123456,fence = 22.123455n,114.235615e,22.125612n,114.236845e
	SMS Get	Set geo-fence alarm ok.

4.8 Enquiry Position (For All Models)

Format	pw******,position?	
Respond	<YYYY.MM.DD HH:MM:SS><Speed><google link>	
Description	This command is set for getting the latest position. <YYYY.MM.DD HH:MM:SS>, means the date and time. <Speed>, means the speed, unit in km/h. <google link>, means the position linking, contain the changing longitude and latitude.	
Example	SMS Send	pw123456,position?
	SMS Get	2015.01.01 00:10:32 000Km/h http://maps.google.com/maps? q=N22.123456,E 114.123456

4.9 Enquiry Information (For All Models)

Format	pw******,info?
Respond	\<gps status>;\<ID number>;\<APN,APN user name,APN password>;\<IP & port>;\<admin number>;\<interval setting>;\<time zone>
Description	This command is set for checking GPS status and the configuration information after installation. \<gps status>, means the gps status, includes : positioned, positioning. \<ID number>, means the IMEI number, 15 digits. \<APN,APN user name,APN password>, means APN setting, if no user name and password, it will shows empty parameter. \<IP & port>, means the server IP and Port setting. \<admin number> , means the authorized mobile phone number, 11 digits.This command only show the first authorized number. \<interval setting>, means the time interval setting. For TC55/TC56 : Unit is seconds for time interval, meter for distance interval, degree for heading change. For TC80/TC85: Unit is minute. \<time zone>, time defaulted is the GMT time, using '-' for in front of the value for Western time.

Example	SMS Send	pw123456,info?
	SMS Get	GPS:positioned;ID:864244029502514;APN:internet,,; IP&Port:58.96.175.206,6970 ;Admin:13562851232;Interval:5,30;Zone:08 *(It means: GPS has got signal; device ID is 864244029502514; APN is internet, no APN user name and password; IP is 58.96.175.206, PORT is 6970; the authorized number is 13562851232; interval time is 5mintue running mode, 30mins deep sleep mode; time zone is Eastern 8 zone)*

4.10 Enquiry Version (For All Models)

Format	Version?
Respond	Model name-Version numbers
Description	This command is used for identifying the device's hardware & software version.

Example	SMS Send	Version?
	SMS Get	TC56-1612-1D10

4.11 Enquiry IMEI (For All Models)

Format	pw******,imei?	
Respond	IMEI:**************	
Description	The IMEI number is used by the GSM network to identify the tracking devices. It is 15 digits.	
Example	SMS Send	pw123456,imei?
	SMS Get	IMEI:351235623124565

4.12 Set Speeding Alarm (For TC55/TC56)

Format	pw******, speed=speed value	
Respond	Set speeding alarm ok / Cancel speeding alarm ok.	
Description	This command is for alarm when speed exceed the setting valued. Unit is km/h. Max value is 255. Speed value=0, means cancel speeding alarm.	
Example	SMS Send	pw123456,speed=100
	SMS Get	Set speeding alarm ok.

4.13 Set Engine Control (For TC55/TC56)

Format	pw******,engine=new status	
Respond	Set engine off ok / Set engine on ok.	
Description	New status should be "off" or "on". Status=off, set for engine control, engine will be cut. Status=on, set for engine recover from the control, engine will be on again. Notice: This function will be valid only based on relay connected.	
Example	SMS Send	pw123456,engine=off
	SMS Get	Set engine off ok.

4.14 Set Backup Control (For TC55/TC56)

Format	pw******,backup control=new status
Respond	Backup control action! / Backup control recover.
Description	This command is set for controlling other equipment (except engine) when connect with relay. New status should be "action" or "recover". Status=action, mean control valid. Status=recover, mean control invalid. (Default)
Example — SMS Send	pw123456,backup control=action
Example — SMS Get	Backup control action!

4.15 Set Voice Monitoring (For TC55/TC56)

Format	pw******,monitor=new status
Respond	Set monitor ok / Cancel monitor ok.
Description	New status should be "yes" or "no". Status=yes, means enable voice monitoring function. Status=no, means cancel voice monitoring.(Default)
Example — SMS Send	pw123456,monitor=yes
Example — SMS Get	Set monitor ok.

4.16 Disable LED Lights (For TC80/TC85)

Format	pw******,lights=on/off
Respond	Enable lights ok! /Cancel lights ok!
Description	Lights=on, means enable the LED lights blinking. Lights=off, means disable the LED lights even when it wake up or sending data, in order to hidden itself.
Example — SMS Send	pw123456,lights=off
Example — SMS Get	Cancel lights ok!

4.17 Set Movement Sensitivity (For TC80/TC85/TC56)

Format		pw******,gvalue=value level
Respond		Set g-sensor value ok!
Description		This command is used for changing the sensitivity of the movement/ driving behavior. Value is from 1 to 8, total 8 levels. The bigger value, the duller sensitivity. For TC80/TC85, the value is set for the sensitivity of the movement detection. Default=3. For TC56, the value is set for the sensitivity of the driving behavior, include harsh brake, harsh turn right and harsh turn left. Default=6
Example	SMS Send	pw123456,gvalue=3
	SMS Get	Set g-sensor value ok!

4.18 Enquiry Movement Sensitivity (For TC80/TC85/TC56)

Format		pw******,gvalue?
Respond		Gvalue=value level
Description		This command is used for enquiry the sensitivity level of the movement/ driving behavior. Value is from 1 to 8, total 8 levels. The bigger value, the duller sensitivity.
Example	SMS Send	pw123456,gvalue?
	SMS Get	Gvalue=3

4.19 Change Password (For All Models)

Format		pw******,password=new password
Respond		Change password ok!
Description		New password should be 6 digits.
Example	SMS Send	pw123456,password=654321
	SMS Get	Change password ok!

4.20 Restart Tracker (For All Models)

Format	pw******,restart=yes	
Respond	Tracker restarting…	
Description	This command is used fir restarting the device when suddenly off line.	
Example	SMS Send	pw123456,restart=yes
	SMS Get	Tracker restarting…

4.21 Factory Default Setting (For All Models)

Format	Default=yes	
Respond	Tracker will be back to default setting…	
Description	This command is used for recovering the factory setting (all parameter included the password).After command respond, device will restart.	
Example	SMS Send	Default=yes
	SMS Get	Tracker will be back to default setting…

4.22 Reset Password to Default (For All Models)

Format	Resetpwd=yes	
Respond	Reset password ok!	
Description	This command is used for resetting the password to default(123456) in case of you have forgotten the password.	
Example	SMS Send	Resetpwd=yes
	SMS Get	Reset password ok!