

## -- AVL-900 Command Code Setting --

Code	Explanation of the Functions	Examples
001	get version data	001#Password
003	set the name of the device	003#password#name
004	get the data set in 003#	004#password
005	restore the password to the default value "8888"	005#IMEI#IMSI (←do not need the password) Ex. 005#355632002558253#466971202115273
010	reset to the default setting	010# Password
020	reboot the device	020#Password
041	read the volt data	041#Password 041#8888 (mV)
042	send mobile station data or not, if GPS can not get a position fix	042#Password#Enable Ex. 042#8888#1
043	get the setting value for #042	043#Password
045	read the mobile station data	045#Password Ex. 045#8888  The returned data format will be: MCC#MNC#LAC#cell#BSIC , where MCC: Mobile country code MNC: Mobile network code LAC: Location area code CELL: Cell identifier BSIC: Base station identity code
047	get the setting value for #048	047#Password Ex. 047#8888

048	allow roaming or not	048#Password#Enable Ex. 048#8888#1
100	send back current position data by SMS; and then call back for voice monitoring	100#Password
110	send back current position data by SMS; and then enter into power saving mode	110#Password
111	send back current position data by SMS	111#Password
115	set the time interval for AVL to send back data (115#30 => send the data each 30 seconds)	115#Password#-1 115#Password#30 * -1 => no need to send back the data
116	get the preset time interval for AVL to send back data	116#Password
119	send back current position data by SMS; and wake up from power saving mode	119#Password
120	set the phone number list, which can get the position data from the GPS tracker	120#Password #Phone1#Phone2#Phone3.... Ex. 120#8888 #0212345678
121	get the phone number list, which can get the position data from the GPS tracker	121#Password
122	Activate or shut off the function for getting position data thru phone call  NB. Phone numbers should either country code + area code + phone number ; or area code w/o the prefix "0" + phone number. Ex. +886 4 12345678 4 12345678 (without prefix 0)	122# Password #1 (activate) 122# Password #0 (shut off) 122#Password#1#Phone1#Phone2#Phone3.... (activate and set the phone list)
130	Set the present time	130#Password#yy/mm/dd,hh:nn:ss Ex. 130#8888#07/05/14,12:30:00
131	Get the present time	131#Password 131#8888

150	Set the time table for the GPS tracker to send back data every day at the preset time automatically.	150# Password #set#time[#enable] 150#8888#set#time[#enable] (#set# is variable from 1 to 5 for setting 5 different times for the GPS tracker to send back data) ([#enable] is either "1" for enable, or "0" for disable. The default is enable.) 150#8888#1#hh1:nn1 [#enable] 150#8888#2#hh2:nn2 [#enable] ... 150#8888#5#hh5:nn5 [#enable]
151	Activate or shut off 150# function.	151#Password#set#enable set from 1~5; enable 1 or 0 Ex. 151#8888#2#1
152	Set the phone numbers to receive the data for 150# command.	152#Password#Phone1#Phone2#Phone3 ... Ex. 152#8888#0212345678#0287654321
153	Get the list of the phone numbers, which can receive the data sent for #150 command.	153#Password
155	Get the time table for the GPS tracker to send back data at the preset time every day.	155#Password
200	send back GPS data in GPRMC format ( 200#30#9 => send back data each 30s for 9 times) ( 200#30#-1 => send back data each 30s continuously)	200#Password#interval#times * 0 times => stop the transmission * -1 times => send back data continuously
201	send back position data in GPRMC format for one time only.	201#Password Ex. 201#8888
202	set the phone numbers for 200#, 204# and 213# to send back data command to send back data	202#Password#Phone1#Phone2#Phone3
203	get the phone numbers set by 202#	203#Password Ex. 203#8888

<p><b>204</b></p>	<p>send back GPS data in NMEA format for the tag set in 212#, with CallerID</p> <p>(reply message format: No#204 CallerID ..... .....)</p>	<p>204#Password#interval#times</p> <p>* NMEA tag to be sent back is set by 212#</p> <p>* owing to SMS length limit, max two tags (GPRMC, GPGGA, GPGSA, GPGSV) can be sent each time</p> <p>* 0 times -&gt; stop the transmission</p> <p>-1 time -&gt; send back data continuously</p> <p>n times -&gt; stop transmission after "N" times.</p> <p>* interval -&gt; the seconds between each transmission</p> <p>Ex. 204#8888#60#10</p>
<p><b>212</b></p>	<p>set the tag for NMEA to send back</p>	<p>212#Password#GPRMC#GPGGA#GPGSA#GPGSV</p> <p>*each of the column of GPRMC, GPGGA, GPGSA, GPGSV can be either "0" or "1".</p> <p>"1" -&gt; send the data; "0" -&gt; not to send</p> <p>Ex. If only GPRMC &amp; GPGSV to be sent: 212#Password#1#0#0#1</p>
<p><b>213</b></p>	<p>send back GPS data in NMEA format</p>	<p>213#Password#interval#times</p> <p>Note1: the tag decided by 212# command. Owing to SMS length limit, each time only two tag (GPRMC, GPGGA, GPGSA, or GPGSV) can be sent.</p> <p>Note 2: times = "-1" -&gt; send continuously</p> <p>times = "0" -&gt; stop the transmission</p> <p>times = 'n' -&gt; stop after sending "n" times</p> <p>interval -&gt; the seconds in between each transmittance</p> <p>Ex. 213#8888#60#10</p>
<p><b>222</b></p>	<p>send back IMEI code of the SIM card put in the AVL</p>	<p>222#Password</p>
<p><b>223</b></p>	<p>send back IMSI code of the SIM card put in the AVL</p>	<p>223#Password</p>
<p><b>232</b></p>	<p>set the extra column data (Machine Name and IMEI, IMSI) to be added &amp; sent back, in response to all commands</p>	<p>232#Password#MachineName#IMEI[#IMSI]</p> <p>Ex. 232#8888#0#1</p> <p>(sending #IMEI data; but not sending #Machine Name)</p>

233	get the setting value for #232	233#Password
234	not to send back data if the speed is slower than ?km/ hour for continuous ? times	234#Password#Enable#Speed#Counts Ex. 234#8888#1#10#3 -stop data delivery, if speed is slower than 10km/h for continuous 3 times.
235	get the data set in 234#	235#Password Ex. 235#8888
600	Set APN	600#Password#APN#IP#User#APN_Password * can be without #User and #Password Ex. 600#8888#cmnet#0.0.0.0
610	Get APN	610#Password
702	Activate Sleep Mode	702#Password#enable#sleep_time(sec.)#wakeup_time(sec.)  Enable:1 , Disable: 0 Ex. 702#8888#1#300#60 702#8888#0
703	Get the data about Sleep Mode settings	703#password Ex. 703#8888
704	Enter into Sleep Mode, if the vehicle is not moved	704#Password#enable Ex. to enable 704#8888#1
705	Get the parameter of #704	705#Passwrod
881	get the phone number for geo-fence parking function	881#Password
882	set the phone numbers for AVL to call back when car is moved over the geo-fence setting range	882#Password#Phone1#Phone2#Phone3 ... Ex. 882#8888#0912345678#0987654321

883	set the time interval for AVL to send back the SMS message, if the car has been moved over the preset geo-fence range	883#Password#30 * send the message each 30 seconds
884	set geo-fence range. AVL will send SMS message to the preset mobile number if the range is over the preset distance	884#Password#30 * geo-fence range = 30 meters.
885	Set the mode for Geo-fence Park function	There are 2 modes: SMS or TEL 885#Password #TEL
886	Get the setting details about Geo-fence Park function	886#Password
888	Activate Geo-fence Park Function	888#Password 888#Password[#phone number]  NB. If you have set the phone number for “882” command, then you do not need to key-in the phone number here; otherwise it will alter the original setting of “882” command.
889	disable geo-fence parking function	889#Password
911	clear all the data saved in the SIM card put in the AVL	911#Password
980	set the password	980#Password#Old Password#New Password
989	send back the IP address of the computer used for the tracking/ monitoring	989#Password
990	firmware update	990#Password#ServerIP/Name#UserID#UserPassword#filename(include path)  Ex. 990#Password#gis.gopass.com.tw:2100#UserID#UserPassword#/usr/gopass/900B-v1.05.frm
991	firmware update (GoPass Server)	991#Password#Filename  Ex. 991#8888#9xx-v3.1.frm
999	change the IP address of the PC used for tracking	999#Password#ServerIP#Port