

## VL04 Command List

Send these command in **User-Defined** section to set the advanced function

\*There should be no **spaces** between any commands

### Query Command

After sending, the device will reply the current status information. The content in **bold orange** is the key information, which varies according to the current state of the device

No.	Function	Command	Reply Example	Explanation
1	Check Status	STATUS#	Battery: <b>3.97V,NORMAL</b> ; GPRS: <b>Link Up</b> GSM Signal Level: <b>Good</b> ; GPS: <b>OFF</b> ; Defense: <b>OFF</b> ;	<b>Information Contained:</b> Battery status Online/Offline SIM card signal status GPS status Defense state <b>*Providing the response content to technical support will help locate the cause of the problem.</b>
2		CHECK#	IMEI: <b>860796050000000</b> ;VERSION: <b>GT300F_22_A1AM3_D23_R0_V11_WM</b> ;SERVER: <b>gpsdev.tracksolid.com,21100</b> ;GET IP: <b>47.89.58.215</b> ;APN: <b>internet,1</b> ;CSQ: <b>14</b> ;GPRS: <b>1</b> ;GPS: <b>2</b> ;BAT: <b>3.97</b> ;TIMER: <b>5</b> ;SOS NUM:111111111,,;CENTER:000000000;ICCID: <b>8939880845020000000F</b> ;IMSI: <b>222882454504300</b> ;EURL: <b>http://maps.google.com/maps?q=</b> ;MODE: <b>2,10</b> ;	<b>Information Contained:</b> Device IMEI Hardware version Server Port and IP Device APN GPS signal grade Battery balance Detected SIM ICCID and IMSI Link of location Work mode <b>*Providing the response content to technical support will help locate the cause of the problem.</b>

No.	Function	Command	Reply Example	Explanation
3	Check Location	URL#	<p style="text-align: center;">05-11 18:00  <a href="http://maps.google.com/maps?q=N22.551825,E113.940834">http://maps.google.com/maps?q=N22.551825,E113.940834</a></p>	<p><b>Information Contained:</b>  Date&amp;Time  Link to check current location  Latitude &amp; Longitude</p>
		POSITION		<p><b>Information Contained:</b>  Date&amp;Time  Latitude &amp; Longitude  Mileage &amp; Speed</p>
4	Searching GPS Signal	GPSON#	OK!	<p><b>Function:</b>  When there is no location after activated, bring the device to an open area and send this command, the locator will start searching for GPS signals for 5 minutes to obtain positioning data.</p>

## Functional Command

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The contents in **bold green** are restricted parameters, which have a specific format or limited range, please fill in according to the rules given in the **Explanation**. Please keep the other characters unchanged

No.	Function	Command	Reply Example	Explanation
1	Vibration Alert	SENALM,ON,0#	OK!	<b>Function:</b> Turn on vibration alert ( <b>Default off</b> )
		SENALM,OFF#	OK!	<b>Function:</b> Turn off vibration alert
		SENALM#	SENALM: <b>ON,1</b>	<b>Function:</b> Check current vibration alarm status
2	Set Vibration Sensitivity	LEVEL, <b>M</b> #	OK!	<b>Function:</b> Adjust the sensitivity level of the vibration sensor  Sensitivity level: <b>M</b> =1/2/3/4/5, default:2; <b>1</b> : Highest sensitivity <b>5</b> : Minimum sensitivity
		LEVEL#	LEVEL: <b>1</b>	<b>Function:</b> Check the current vibration sensitivity level
2	Defence Mode	DEFMODE, <b>X</b> #	OK!	<b>Function:</b> Change the defence mode switching method when ACC off  Switching Method: <b>X</b> =0/1, default: 1 <b>0</b> : <b>Automatically</b> <b>1</b> : <b>Manually</b>
		111#	OK!	<b>Function:</b> Works only if <b>X</b> =1( <b>Manually</b> defence Mode) Keep the vibration alarm <b>enable</b> when Acc off
		000#	OK!	<b>Function:</b> Works only if <b>X</b> =1( <b>Manually</b> defence Mode) Keep the vibration alarm <b>disable</b> when Acc off

No.	Function	Command	Reply Example	Explanation
3	Overspeed Alert	SPEED,ON,T,S,0,X#	OK!	<b>Function:</b> Turn on overspeed alert ( <b>Default on</b> )  Detection time: <b>T</b> =5~600, integer in seconds; default:80 seconds;  Speed threshold: <b>S</b> =1~255, integer in km/h; default:120 km/h;  Device beeping: <b>X</b> =ON/OFF, default:ON;
		SPEED,OFF#	OK!	<b>Function:</b> Turn off overspeed alert
		SPEED#	SPEED: <b>ON,20,100,1,ON</b>	<b>Function:</b> Check current overspeed alert status
4	LED Control	LEDSW,A#	OK!	<b>Function:</b> Control the LEDs on the device  <b>A</b> =ON/OFF, default:ON;
		LEDSW#	LEDSW: <b>OFF</b>	<b>Function:</b> Check current LED Status

No.	Function	Command	Reply Example	Explanation
5	Mileage Calculation	MILEAGE,ON,L#	OK!	<b>Function:</b> Enable mileage calculation ( <b>Default on</b> )  Initial mileage: L=0~999999, integer in km; default:0 km;
		MILEAGE,OFF#	OK!	<b>Function:</b> Disable mileage calculation
		MILEAGE#	MILEAGE: ON,99	<b>Function:</b> Check current total mileage
6	ACC OFF Alert	POWERALM,ON,0,T1,T2#	OK!	<b>Function:</b> Turn on ACC off Alert ( <b>Default on</b> ) When the device detects ACC off for over T1 seconds, it will send an alert. If the ACC is back on for less than T2 seconds, the device will not alert again. (T2 is used to filter repeated alerts)  Power off time: T1=2~3600, integer in seconds; default:10 seconds;  Back to charge time: T2=1~3600, integer in seconds; default:1 seconds;
		POWERALM,OFF#	OK!	<b>Function:</b> Turn off ACC off alert
		POWERALM#	POWERALM: ON,2,10,1	<b>Function:</b> Check current ACC off alert status
7	Install Alert	INSTALLALM,ON,0#	OK!	<b>Function:</b> Turn on install alert ( <b>Default on</b> ) Get notification when device connected to the OBD II port for 10 seconds.
		INSTALLALM,OFF#	OK!	<b>Function:</b> Turn off install alert
		INSTALLALM#	INSTALLALM: ON,0	<b>Function:</b> Check current install alert status

No.	Function	Command	Reply Example	Explanation
8	Unplug Alert	PULLALM,ON,0,20,30#	OK!	<b>Function:</b> Turn on disassembly alert ( <b>Default on</b> )
		PULLALM,OFF#	OK!	<b>Function:</b> Turn off disassembly alert
		PULLALM#	PULLALM: <b>ON,1,20,30</b>	<b>Function:</b> Check current disassembly alert status
9	Car Battery Alert	EXBATALM,ON,0, <b>N1,N2,T</b> #	OK!	<b>Function:</b> Turn on low battery alert ( <b>Car battery</b> ) ( <b>Default on</b> ) When the device detects that the OBD II port input voltage is lower than <b>N1*0.1V</b> for <b>T</b> seconds, the device will send a notification. If the device detects that the OBD II port input voltage is higher than <b>N2*0.1V</b> for less than 10 seconds, the device will not alert again. ( <b>N2</b> is used to filter repeated alerts)  Low battery threshold: <b>N1</b> =0~1000, unit: 0.1V, default:115 (11.5V)  Non Low battery threshold: <b>N2</b> =0~1000, unit: 0.1V, default:123 (12.3V)  Detection duration: <b>T</b> =1~600, integer in seconds; default:30 seconds;
		EXBATALM,OFF#	OK!	<b>Function:</b> Turn off car battery alert
		EXBATALM#	EXBATALM: <b>ON,0,115,123,30</b>	<b>Function:</b> Check current car battery alert status

No.	Function	Command	Reply Example	Explanation
10	Low Battery Alarm	BATALM,ON,0#	OK!	<b>Function:</b> Turn on low battery alert ( <b>Built-in backup battery</b> ) ( <b>Default on</b> )
		BATALM,OFF#	OK!	<b>Function:</b> Turn off low battery alert
		BATALM#	BATALM: <b>OFF,1</b>	<b>Function:</b> Check current low battery alert status
11	Fatigue Driving Alert	FATIGUEALM,ON, <b>T1,T2,T3,0,S#</b>	OK!	<b>Function:</b> Turn on fatigue driving alert ( <b>Default on</b> ) When driving ( <b>ACC on</b> ) for more than <b>T1</b> minutes, the device will send early fatigue alert <b>T3</b> minutes before <b>T1</b> reaches (Early Warning Time= <b>T1-T3</b> ), and alert again when <b>T1</b> actually reaches. The driver will hear the device beeping if <b>S=ON</b> . The device will ignore the break time ( <b>ACC off</b> ) under <b>T2</b> minutes.  Continuous driving time threshold: <b>T1</b> =60~600, integer in minutes; default:240 minutes; Break time threshold: <b>T2</b> =1~255, integer in minutes; default:20 minutes; Early warning time: <b>T3</b> =10~240, integer in minutes; default:30 minutes; ( <b>T3 must be less than T1</b> )  Device beeping: <b>S</b> =ON/OFF, default:ON;
		FATIGUEALM,OFF#	OK!	<b>Function:</b> Turn off fatigue driving alert
		FATIGUEALM#	FATIGUEALM: <b>ON,240,20,30,0,ON</b>	<b>Function:</b> Check current fatigue driving alert setting

## Driving Behavior Voice Alert Switch

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When on, the voice alerts will be played from the speaker of the device.

No.	Function	Command	Alarm Content	Explanation
1	Voice Volume	VOLUME, <b>A</b> #	-	<b>Funcion:</b> Set the speaker volume  <b>A</b> =0~7, default:0; 0 means mute 1 is the lowest volume 7 is the highest volume
2	Overspeed	SPEED,AUDIO, <b>A</b> #	"You're driving too quickly; please slow down. "	<b>Trigger:</b> When overspeed alert triggered.  <b>A</b> =ON/OFF, default:OFF;
3	Fatigue Driving	FATIGUEALM,AUDIO, <b>A</b> #	"You have been driving for too long; please take a rest."	<b>Trigger:</b> When fatigue driving alert triggered.  <b>A</b> =ON/OFF, default:OFF;
4	GEO Fence Accrossing	FENCE,AUDIO_IN, <b>A</b> #	"Your vehicle has entered the geofence area ."	<b>Trigger:</b> When enter geo fence.  <b>A</b> =ON/OFF, default:OFF;
		FENCE,AUDIO_OUT, <b>A</b> #	"Your vehicle has left the geofence area."	<b>Trigger:</b> When exit geo fence.  <b>A</b> =ON/OFF, default:OFF;
5	Vibration	SENALM,AUDIO, <b>A</b> #	"Unexpected vibration detected. Please check your vehicle. "	<b>Trigger:</b> When vibration alert triggered.  <b>A</b> =ON/OFF, default:OFF;
6	ACC off	POWERALM,AUDIO, <b>A</b> #	"Device power interrupted, please check immediately. "	<b>Trigger:</b> When ACC off alert triggered.  <b>A</b> =ON/OFF, default:OFF;

No.	Function	Command	Alarm Content	Explanation
7	Harsh Acceleration	HARACC,AUDIO,A#	"Drive carefully; your vehicle is accelerating too quickly."	<b>Trigger:</b> When harsh acceleration detected. <b>A=ON/OFF, default:OFF;</b>
8	Harsh Brake	HARDEC,AUDIO,A#	"Drive carefully; your vehicle is slowing too quickly. "	<b>Trigger:</b> When harsh brake detected. <b>A=ON/OFF, default:OFF;</b>
9	Sharp Turn	HARTU,AUDIO,A#	"Drive carefully; harsh steering detected."	<b>Trigger:</b> When sharp turn detected. <b>A=ON/OFF, default:OFF;</b>
10	Sudden Lane Change	HARLAN,AUDIO,A#	"Please pay attention to your surroundings and be careful of lane markings. "	<b>Trigger:</b> When sudden lane change detected. <b>A=ON/OFF, default:OFF;</b>
11	Rollover	ROLLOVER,AUDIO,A#	"Seek assistance; your vehicle has been overturned. "	<b>Trigger:</b> When a car rollover is detected. <b>A=ON/OFF, default:OFF;</b>
12	Collision	HORCOL,AUDIO,A#	"Seek assistance; your vehicle has been in a collision. "	<b>Trigger:</b> When a car collision is detected. <b>A=ON/OFF, default:OFF;</b>
13	Pitching	VEHSW,AUDIO,A#	"Your vehicle seems to be unstable; please check and adjust if necessary. "	<b>Trigger:</b> When a pitch motion is detected. <b>A=ON/OFF, default:OFF;</b>
14	Drifting	EULAA,AUDIO,A#	"your vehicle is severely off camber. Please drive carefully."	<b>Trigger:</b> When a car drifting is detected. <b>A=ON/OFF, default:OFF;</b>
15	ACC ON	ACCSOUND,A#	"beep"	<b>Trigger:</b> When ACC on is detected. <b>A=ON/OFF, default:OFF;</b>
16	GPS Location	POSIT,AUDIO,A#	"beep beep"	<b>Trigger:</b> When the GPS location is first obtained <b>A=ON/OFF, default:OFF;</b>