MEITRACK SMS Protocol

For MT80i/MT88/MT90

MVT100/MVT340/MVT380/MVT600/T1

MVT800/T322X/TC68/TC68S

Change History

File Name	MEITRACK SMS Protocol	Created By	Renny Lee
Project	MT88/MT80i/MT90,MVT340/MVT380/MVT100 MVT600/T1/TC68/TC68S/MVT800/T322X	Creation Date Update Date	2010-07-31 2014-09-23
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Contents

1 Command Format

1.1 SMS Command Format

- SMS command sent from a mobile phone (SMS modem) to the tracker:

  Password,<Command type>,<Command text>

  *Note: The password has four digits. The default password is **0000**.*

- SMS command sent from the tracker to a mobile phone (SMS modem):

  1. Response

     IMEI, <*Command type*>,OK

  2. Location report

     SMS header,Date and time,Positioning status,GSM signal status,Speed,Remaining battery capacity,Map link

Note: If the MT90/TC68/TC68S is equipped with a Micro SD card, a Chinese address is responded.

SMS example:

Now,110721 16:40,V,12,56Km/h,97%,http://maps.meigps.com/?lat=22.513015&lng=114.057235

Descriptions about SMS data are as follows:

Parameter	Description	Example
SMS header	Indicates the SMS report type. For details, see section 1.2 "Event Code and SMS Header."	Now
Date and Time	Format: YYMMDD hh:mm **YY** indicates year. **MM** indicates month. **DD** indicates date. **hh** indicates hour. **mm** indicates minute. Decimal	110721 16:40
Positioning status	Indicates the GPS signal status. **A** indicates that the tracker is positioned, and **V** indicates that the tracker is not positioned.	A
GSM signal status	Its value ranges from 0 to 31. Decimal GPRS data can be sent successfully only when the value is more than 16.	12
Speed	Unit: km/h Decimal	56
Remaining battery capacity	Indicates the remaining capacity of the built-in battery.	97%
Map link	Indicates the map link with a latitude and longitude. You can visit the website through a mobile phone. If you cannot visit HTTP websites through a mobile phone, enter the latitude and longitude in Google Maps (maps.google.com).	http://maps.meigps.com/?lat=22.513015&l ng=114.057235 Latitude: 22.513015 Longitude: 114.057235

1.2 Event Code and SMS Header

OBD-related events are numbered from 129.

Event Code	Event	Default SMS Header (Maximum of 16 Bytes)	Default GPRS Mark Value	Default SMS Mark Value	Default photographing Mark Value
1	**SOS Pressed**	SOS	Y	Y (Only for the first authorized phone number)	Y
2	**Input 2 Active**	Ignition On: MVT100&MVT340& T322X Door Open: MVT380&MVT600&T1&MVT800 In2 Active: Other models	Y	N	N
3	**Input 3 Active**	Ignition On: MVT600&T1 Door Open: MVT800& T322X In3 Active: other models	Y	N	N
4	**Input 4 Active**	Ignition On: MVT380&MVT800 In4 Active: other models	Y	N	N
5	**Input 5 Active**	In5 Active	Y	N	N
9	**Input 1 Inactive (SOS Released)**	In1 Inactive	N	N	N
10	**Input 2 Inactive**	Ignition Off: MVT100&MVT340& T322X Door Close: MVT380&MVT600&T1&MVT800 In2 Inactive: other models	N	N	N
11	**Input 3 Inactive**	Ignition Off: MVT600&T1 Door Close: MVT800& T322X In3 Inactive: other models	N	N	N
12	**Input 4 Inactive**	Ignition Off: MVT380&MVT800 In4 Inactive: other models	N	N	N
13	**Input 5 Inactive**	In5 Inactive: other models	N	N	N
17	**Low Battery**	Low Battery	N	N	N/A
18	**Low External Battery**	Low Ext-Battery	N	N	N/A
19	**Speeding**	Speeding	Y	Y	N
20	**Enter Geo-fence**	Enter Fence N (N means the number of the fence)	Y	Y	N
21	**Exit Geo-fence**	Exit Fence N (N means the number of the fence)	Y	Y	N
22	**External Battery On**	Ext-Battery On	N	N	N

		Tracker connected: TC68/TC68S			
23	**External Battery Cut**	Ext-Battery Cut Tracker removed: TC68/TC68S	N	N	N/A
24	**Lose GPS Signal**	Lose GPS Signal	N	N	N/A
25	**GPS Signal Recovery**	GPS Recovery	N	N	N/A
26	**Enter Sleep**	Enter Sleep	N	N	N/A
27	**Exit Sleep**	Exit Sleep	N	N	N/A
28	**GPS Antenna Cut**	GPS Antenna Cut	N	N	N
29	**Device Reboot**	Power On	N	N	N/A
30	**Impact/Fall**	Impact	Y	N	N
31	**Heartbeat**	/	Y	N/A	N/A
32	**Direction Change**	Direction Change	Y	N	N/A
33	**Track By Distance**	Distance	Y	N	N/A
34	**Reply Current (Passive)**	Now	A/A	A/A	N/A
35	**Track By Time Interval**	Interval	A/A	A/A	N/A
36	**Tow**	Tow	Y	N	N
37	**RFID**	(only for GPRS)	Y	N/A	N
39	**Photo**	(only for GPRS)	A/A	N/A	N/A
50	**Temperature High**	Temp High	N	N	N
51	**Temperature Low**	Temp Low	N	N	N
52	**Fuel Full**	Fuel Full	N	N	N
53	**Fuel Empty**	Fuel Empty	N	N	N
56	**Armed**	Armed	N	N	N/A
57	**Disarmed**	Disarmed	N	N	N/A
65	**Press Input 1 (SOS) to Call**	/	N/A	N	N/A
66	**Press Input 2 to Call**	/	N/A	N	N/A
67	**Press Input 3 to Call**	/	N/A	N	N/A
68	**Press Input 4 to Call**	/	N/A	N	N/A
69	**Press Input 5 to Call**	/	N/A	N	N/A
70	**Reject Incoming Call**	/	N/A	Y	N/A
71	**Get Location by Call**	/	N/A	Y	N/A
72	**Auto Answer Incoming Call**	/	N/A	N	N/A
73	**Listen-in (Voice Monitoring)**	/	N/A	N	N/A
129	**Fast Decelerate**	Fast Decelerate	Y	N	N/A
130	**Fast Accelerate**	Fast Accelerate	Y	N	N/A
131	**RPM High**	RPM High	Y	N	N/A
132	**RPM Recovery to Normal**	RPM Recovery	Y	N	N/A

133	**Idle Overtime (Packing without Ignition Off Overtime)**	Idle Overtime	Y	N	N/A
134	**Idle Recovery (Recovery from Idle overtime)**	Idle Recovery	Y	N	N/A
135	**Fatigue Driving**	Fatigue Driving	Y	N	N/A
136	**Enough Rest after Fatigue Driving Noted: Rest reach 20 mins after fatigue driving**	Enough Rest	Y	N	N/A
137	**Engine Temperature Overheat**	Engine Overheat	Y	N	N/A
138	**Speed Recovery**	Speed Recovery	Y	N	N/A
139	**Maintenance Notice**	Maintenance	Y	N	N/A
140	**Engine Fault**	Engine Fault	Y	N	N/A
141	**Exhaust Emissions Fault**	Exhaust Fault	Y	N	N/A
142	**Health Abnormal**	Health Abnormal	Y	N	N/A
143	**Fuel Low**	Fuel Low	Y	N	N/A
144	**Ignition On**	Ignition On	Y	N	N/A
145	**Ignition Off**	Ignition Off	Y	N	N/A
146	**Halt to Start**	Halt to Start	Y	N	N/A
147	**Start to Halt**	Start to Halt	Y	N	N/A

Note:

1. Data in the above figure is the default settings before delivery.
2. **Y** indicates that a parameter is set. **N** indicates that a parameter is not set. **N/A** indicates that a parameter is unavailable or reserved. **A/A** indicates that a parameter cannot be changed and is always displayed.
3. You can use commands to redefine SMS headers, add or delete marks for different functions.

2 Command List

Type	Description	Applicable Model
A00	Timely Location Query	All
A02	Setting the Scheduled Tracking Function	All
A10	Timely Longitude and Latitude Query	All

A12	Setting the Scheduled Tracking Function	All
A13	Setting the Direction Change Report Function	All
A14	Setting the Distance Tracking Function	All
A15	Setting the Parking Scheduled Tracking Function	MVT100/340/380/600/T1/MVT800
A16	Enabling the Parking Scheduled Tracking Function	MVT100/340/380/600/T1/MVT800
A17	Enabling or Disabling the RFID Control OUT1 Function	MVT600/T1
A19	3D Sensor	MT90
A21	Setting GPRS Parameters	All
A22	Setting the DNS Server IP Address	All (excluding the T322X)
A23	Setting the Standby GPRS Server	All (excluding the T322X)
A70	Reading All Authorized Phone Numbers	All
A71	Setting a Combined Function Phone Number	All
A72	Setting a Listen-in Phone Number	All (excluding the T322X)
A73	Setting the Smart Sleep Mode	All (excluding the T322X)
B00	Reading an Authorized Phone Number and an SMS Event Code Mark	All
B01	Setting an Authorized Phone Number and SMS Event Code Mark	All
B02	Adding an Authorized Phone Number and SMS Event Code Mark	All
B03	Deleting an Authorized Phone Number and SMS Event Code Mark	All
B05	Setting a Geo-Fence	All
B06	Deleting a Geo-Fence	All
B07	Setting the Overspeed Alarm Function	All

B08	Setting the Towing Alarm Function	All
B09	Setting 3D Sensor Sensitivity	340/380
B21	Setting the Anti-Theft Function	MVT100/340/380/600/T1/MVT800/T1/T322X
B31	Setting Extension Functions	All (excluding the T322X)
B34	Setting a Recording Interval	MT80i/88/90, MVT100/380/600/T1/TC68/TC68S/MVT800/T322X
B35	Setting the SMS Time Zone	All
B36	Setting the GPRS Time Zone	All
B60	Checking the Engine First to Determine Tracker Running Status	MVT100/380/600/T1/MVT800
B91	Setting SMS Event Characters	All (excluding the T322X)
B99	Setting Event Authorization	TC68
C01	Output Control	MVT100/340/380/600/T1/MVT800
C03	Setting a GPRS Event Transmission Mode	All (excluding the T322X)
C04	Setting the GPRS Cache Data Sending Mode	MVT380
C11	SMS Display	MVT600/T1
D10	Authorizing an RFID	MVT600/T1
D11	Authorizing RFIDs In Batches	MVT600/T1
D14	Deleting an Authorized RFID	MVT600/T1
D15	Deleting Authorized RFIDs In Batches	MVT600/T1
D30	Setting a Rush Deceleration Alarm	TC68
D31	Setting a Rush Acceleration Alarm	TC68
D32	Setting an Overspeed Alarm of Engine Rotational Speed	TC68

D33	Setting an Engine Water Overheat Alarm	TC68
D34	Setting a Parking Engine on Alarm	TC68
D35	Setting a Fatigue Driving Alarm	TC68
D36	Setting the Rest Duration after Fatigue Driving	TC68
D47	Setting a VIN	TC68
D48	Reading a VIN	TC68
D51	Setting the Vehicle Automatic Diagnosis Function	TC68
D52	Setting Automatic Diagnosis Parameters	TC68
D59	Setting OBD SMS Event Characters	TC68
D63	Setting the Percentage of the Low Fuel Alarm	TC68
E91	Reading the Tracker Firmware Version and SN	All
F01	Restarting the GSM Module	All (excluding the T322X)
F02	Restarting the GPS Module	All (excluding the T322X)
F08	Setting Mileage and Running Time	All
F09	Deleting SMS/GPRS Cache Data	All
F11	Restoring Initial Settings	All
F20	Changing the Tracker Password	All
FAB	Initializing the Tracker Password	All

3 Command Details

3.1 Timely Location Query – A00

SMS Sending	0000,A00
SMS Responding	Now,*Date and time*,*Positioning status*,*GSM signal status*,*Speed*,*Remaining battery*

	capacity,*Map link*
Description	Query the tracker location. For details, see section 1.2 "Event Code and SMS Header."
Applicable Model	All
Example	
SMS Sending	0000,A00
SMS Responding	Now,110721 16:40,V,12,56Km/h,97%,http://maps.meigps.com/?lat=22.513015&lng=114.057235

3.2 Setting the Scheduled Tracking Function (SMS) – A02

SMS Sending	0000,A02,*Interval*,*Number of reporting times*
SMS Responding	IMEI,A02,OK
Description	When the interval is **0** (default value), disable the scheduled SMS reporting function. When the interval is a value ranging from 1 to 65535, set an interval. The unit is minute. When the number of reporting times is 0, data has being reported (generally for platform positioning). When the number of reporting times is a value ranging from 1 to 255, set the number of reporting times. When the value is reached, reporting stops.
Applicable Model	All
Example	
SMS Sending	0000,A02,10,0
SMS Responding	353358017784062,A02,OK *After the above command is run successfully, you will receive a positioning SMS every 10 minutes.* Interval,110721 16:40,V,12,56Km/h,97%,http://maps.meigps.com/?lat=22.513015&lng=114.057235

3.3 Timely Longitude and Latitude Query – A10

SMS Sending	0000,A10
SMS Responding	Now,<->*Latitude*,<->*Longitude*,*Date and time*, *Positioning status*,*Number of satellites*,*GSM signal status*,*Speed*,*Direction*,*Horizontal positioning accuracy*,*Altitude*,*Mileage*,*Run time*,,*I/O port status*,,
Description	Query the tracker location. The responding content is in longitude and latitude format. When A10 is used, if the tracker GPRS function is enabled and parameters are correct, the tracker will send a piece of GPRS location data which type is 34 to the server. The function is available for users who implement platform tracking using an SMS modem.
Applicable Model	All
Example	
SMS Sending	0000,A10
SMS Responding	353358017784062,Now,22.535888,114.063034,080310161834,A,9,27,30,179,0,15,8890

	,1346,,0000,,

3.4 Setting the Scheduled Tracking Function – A12

SMS Sending	0000,A12,*Interval*
SMS Responding	IMEI,A12,OK
Description	The interval is in unit of 10 seconds. When the interval is **0**, disable the scheduled GPRS reporting function. The maximum interval is 65535 x 10 seconds. Note: If data needs to be sent at a specific interval after the vehicle starts or stops, the function needs to work with the A15 function. For details, see A15 and A16 commands.
Applicable Model	All
Example	
SMS Sending	0000,A12,6
SMS Responding	353358017784062,A12,OK

3.5 Setting the Direction Change Report Function – A13

SMS Sending	0000,A13,*Angle*
SMS Responding	IMEI,A13,OK
Description	When the driving direction exceeds the preset value, the tracker sends an SMS about the location to the authorized phone number. When the angle is **0** (default value), disable the direction change report function. When the angle is a value ranging from 1 to 359, set the direction change angle. For the T322X, **15** is a recommended angle. For other trackers, **30** is recommended.
Applicable Model	All
Example	
SMS Sending	0000,A13,30
SMS Responding	353358017784062,A13,OK

3.6 Setting the Distance Tracking Function – A14

SMS Sending	0000,A14,*Distance*
SMS Responding	IMEI,A14,OK
Description	When the driving distance is **0** (default value), disable the function of location reporting in a specific distance. When the driving distance is a value ranging from 1 to 4294967295, set the distance. The unit is m. If the GPRS scheduled tracking and distance tracking functions are both set, reporting complies with the "first reach first report" rule and the interval and distance of next report are re-calculated.
Applicable Model	All

Example	
SMS Sending	0000,A14,1000
SMS Responding	353358017784062,A14,OK *After the above command is run successfully, if the driving distance reaches 1000m, the tracker sends a distance data packet to the preset authorized phone number.* Distance,110721 16:40,V,12,56Km/h,97%,http://maps.meigps.com/?lat=22.513015&lng=114.057235

3.7 Setting the Parking Scheduled Tracking Function – A15

SMS Sending	0000,A15,*Interval*
SMS Responding	IMEI,A15,OK
Description	The function applies for vehicle trackers. With the function, the number of GPRS messages is reduced, and thus GPRS traffic is saved. After the A15 function is set, the A16 function is automatically enabled. For details about engine status, see section 3.8 "Enabling the Parking Scheduled Tracking Function – A16." The interval is in unit of 10 seconds. When the interval is **0**, disable the GPRS scheduled reporting function. The maximum interval is 65535 x 10 seconds.
Applicable Model	MVT100/340/380/600/T1/800/T322X
Example	
SMS Sending	0000,A15,6
SMS Responding	353358017784062,A15,OK

3.8 Enabling the Parking Scheduled Tracking Function – A16

SMS Sending	0000,A16,*Status*
SMS Responding	IMEI,A16,OK
Description	**Related input ports (high level) of vehicle trackers must connect to engine status detection. Otherwise, the function is unavailable. The first positive input ports of vehicle trackers are as follows:**

Vehicle Tracker	**First Positive Input Port**
MVT100	Input port 2
MVT340	Input port 2
MVT380	Input port 4
MVT600	Input port 3
T1	Input port 3
MVT800	Input port 4
T322X	Input port 2

When the activation status is **1**, enable the parking scheduled tracking function, and

	GPRS data is sent at the following interval: ● Interval of the A12 function when the engine is on ● Interval of the A15 function when the engine is off When the activation status is **0**, disable the parking scheduled tracking function, and GPRS data is sent at the following interval: ● Interval of the A12 function when the engine is on ● Interval of the A12 function when the engine is off Note: The TC68 can determine whether the engine is activated based on engine rotational speed. The TC68S can determine whether the engine is activated based on vehicle voltage.
Applicable Model	MVT100/340/380/600/T1/800/TC68/TC68S/T322X
Example	
SMS Sending	0000,A16,0
SMS Responding	353358017784062,A16,OK

3.9 Enabling or Disabling the RFID Control OUT1 Function (MVT600/T1) – A17

SMS Sending	0000,A17,X
SMS Responding	IMEI,A17,OK
Description	When *X* is equivalent to 1, the RFID control OUT1 function is available. Ensure that the engine must connect to input 3 and the RFID has been authorized. When *X* is equivalent to 0, disable the RFID control OUT1 function by default. For example, after swiping the authorized RFID card, you must start the engine within one minute. If the time expires, you need to swipe the card again to start the engine. After that, input 3 has been detecting engine status. When input 3 detects that the engine status is ACC ON, the engine is not activated. When input 3 detects that the engine is stopped before one minute, swipe the card to start the engine. Note: If the function is enabled, OUTPUT1 is activated. For details about how to authorize a RFID, see commands D10 to D15.
Applicable Model	MVT600/T1
Example	
SMS Sending	0000,A17,0
SMS Responding	353358017784062,A17,OK

3.10 3D Sensor (MT90) – A19

SMS Sending	0000,A19,X
SMS Responding	IMEI,A19,OK
Description	When wakeup is not required for the sleep mode, X is set to 0. When vibration and wakeup are required for the deep sleep mode, X is set to 1.
Applicable Model	MT90
Example	
SMS Sending	0000,A19,0

SMS Responding	353358017784062,A19,OK

3.11 Setting GPRS Parameters – A21

SMS Sending	0000,A21,*Connection mode*,*IP address*,*Port*,*APN*,*APN user name*,*APN password*
SMS Responding	IMEI,A21,OK
Description	When the connection mode is **0**, disable the GPRS function. When the connection mode is **1**, enable the GPRS function and use the TCP/IP reporting mode. When the connection is **2**, enable the GPRS function and use the UDP reporting mode. IP address: IP address or domain name. A maximum of 32 bytes are supported. Port: a maximum of 5 digits APN/APN user name/APN password: a maximum of 32 bytes respectively If no user name and password is required, leave them blank.
Applicable Model	All
Example	
SMS Sending	0000,A21,1,www.trackingmate.com,8500,CMNET,,
SMS Responding	353358017784062,A21,OK

3.12 Setting the DNS Server IP Address – A22

SMS Sending	0000,A22, *DNS server IP address*
SMS Responding	IMEI,A22,OK
Description	An incorrect DNS server IP address may lead to GPRS data reporting failures after the A21 command is used. Use the A22 command to set the DNS server IP address (confirm the IP address with your domain name provider.). Then use the A21 command to reset the domain name. DNS server IP address: a maximum of 16 bytes
Applicable Model	Excluding the T322X
Example	
SMS Sending	0000,A22,202.105.21.232
SMS Responding	353358017784062,A22,OK *The command is used to set the Oray DNS server IP address.*

3.13 Setting the Standby GPRS Server – A23

SMS Sending	0000,A23,*IP address*,*Port*
SMS Responding	IMEI,A23,OK
Description	IP address: a maximum of 32 bytes Port: a maximum of 5 digits When the tracker fails to send data to the active server set by command A21, data is automatically sent to the standby server. This avoids data losses.

Applicable Model	Excluding the T322X
Example	
SMS Sending	0000,A23,112.91.12.222,8500
SMS Responding	353358017784062,A23,OK

3.14 Setting Roaming and Scheduled Tracking – A55

SMS Sending	0000,A55,*Scheduled mode*,T1,T2,T3,T4
SMS Responding	IMEI,A55, <*Scheduled mode*,T1,[T2],[T3],[T4]>
Description	1. Scheduled mode: The value ranges from 0 to 4 (combinations of ACC ON, ACC OFF, Local, and Roaming). ● Mode 0 (T1): The functions are the same as that of A12. All data will be uploaded at the interval set on the T1. The command format is **A55,0,T1**. ● Mode 1 (T1 + T2): The functions are the same as that of A12 and A15. Parameter **T1** is the data uploading interval when the engine starts. Parameter **T2** is the data uploading interval when the engine stops. The command format is **A55,1,T1,T2**. ● Mode 2 (T1 + T3): In Local mode, parameter **T1** is the data uploading interval. In roaming mode, parameter **T3** is the data uploading interval. The command format is **A55,2,T1,T3**. ● Mode 3 (T1 + T3 + T4): In Local mode, parameter **T1** is the data uploading interval and the interval is not restricted by the engine status. In roaming mode, when the engine starts, parameter **T3** is the data uploading interval; when the engine stops, parameter **T4** is the data uploading interval. The command format is **A55,3,T1,T3,T4**. ● Mode 4 (T1 + T2 + T3 + T4): In Local mode, when the engine starts, parameter **T1** is the data uploading interval; when the engine stops, parameter **T2** is the data uploading interval. In Roaming mode, when the engine starts, parameter **T3** is the data uploading interval; when the engine stops, parameter **T4** is the data uploading interval. 2. Descriptions about parameters **T1** to **T4** ● **T1**: indicates the data uploading interval which is not restricted by engine status and roaming. The functions are the same as that of A12. ● **T2**: indicates the data uploading interval when the engine stops or the engine stops in Local mode. ● **T3**: indicates the data uploading interval when the engine starts in Roaming mode, or the interval which is not restricted by roaming when the engine stops. ● **T4**: indicates the data uploading interval when the engine stops in Roaming mode. ● T1–T4: indicates intervals. Unit: 10s. Value range: 0 to 65535. When the value is **0**, data is not uploaded. 3. After GPRS intervals are set by using the A55 command, the interval parameters will be received. If only **0000,A55** is sent, read tracker GPRS interval parameters.
Applicable Model	

Tracker	Mode 0	Mode 1	Mode 2	Mode 3	Mode 4

	T1	√	√	√	√	√
	MVT600	√	√	√	√	√
	MVT800	√	√	√	√	√
	MVT380	√	√	√	√	√
	MVT100	√	√	√	√	√
	TC68	√	√	√	√	√
	MT90	√		√		
	TC68S	√		√		
Example						
SMS Sending	0000,A55,0.6					
SMS Responding	353358017784062,A55,0,6					

3.15 Reading All Authorized Phone Numbers – A70

SMS Sending	0000,A70
SMS Responding	*IMEI*,A70,*SOS phone number 1*, *SOS phone number 2*, *SOS phone number 3*,*Listen-in phone number 1*,*Listen-in phone number 2*
Description	Read all authorized phone numbers.
Applicable Model	All
Example	
SMS Sending	0000,A70
SMS Responding	353358017784062,A70,13811111111,13822222222,13833333333,13844444444,13855555555

3.16 Setting a Combined Function Phone Number – A71

SMS Sending	0000,A71,*Phone number 1*,*Phone number 2*,*Phone number 3*
SMS Responding	IMEI,A71,OK
Description	A phone number has a maximum of 16 bytes. Phone numbers are empty by default. Set phone number 1 to an SOS phone number. When the tracker is called by using the phone number, a location SMS, geo-fence alarm, and low power alarm are received. When the SOS button is pressed, the tracker dials phone numbers 1, 2, and 3 in sequence. The tracker stops dialing when a phone number responds. If no phone number is entered, remain commas and delete related phone numbers. If all combined function phone numbers need to be deleted, send **0000,A71**.
Applicable Model	All
Example	
SMS Sending	0000,A71,13811111111,13822222222,13833333333
SMS Responding	353358017784062,A71,OK

3.17 Setting a Listen-in Phone Number – A72

SMS Sending	0000,A72,*Listen-in phone number 1*,*Listen-in phone number 2*
SMS Responding	IMEI,A72,OK
Description	When the authorized listen-in phone number is used to dial the tracker, the tracker answers the call automatically and enters the listen-in state. In this way, the tracker makes no noise. A maximum of two phone numbers can be set. One phone number has a maximum of 16 digits. Phone numbers are empty by default. If no phone number is entered, remain commas and delete related phone numbers. If all phone numbers need to be deleted, send **0000,A72**.
Applicable Model	Excluding the T322X
Example	
SMS Sending	0000,A72,13844444444,13855555555
SMS Responding	353358017784062,A72,OK

3.18 Setting the Smart Sleep Mode – A73

SMS Sending	0000,A73,*Sleep level*
SMS Responding	IMEI,A73,OK
Description	When the tracker status is set to Idle, they automatically enter the smart sleep mode. When the sleep level is **0** (default value), disable the sleep mode. When the sleep level is **1**, the tracker enters the normal sleep mode. The GSM module always works, and the GPS module occasionally enters the sleep mode. The tracker works 25% longer in the normal sleep mode than that in the normal working mode. The mode is not recommended for users who set the scheduled tracking at a short interval. In this way, the mode will affect trace integrity. When the sleep level is **2**, the tracker enters the deep sleep mode. If the tracker is not activated after five minutes, the GPS module is stopped, and the GSM module enters the sleep mode. If the tracker is activated, the GPS and GSM modules are waken up. A heartbeat event occurs only in the deep sleep mode. A heartbeat event is uploaded every one hour by default. Activation actions include: SOS alarm, low internal/external battery, external power status, GPS antenna cutoff alarm, towing alarm, high temperature, low temperature, fuel theft, vehicle theft, ACC ON, (button) changes on any input port, vibration, incoming call, SMS receive, conversation, and heartbeat event (The GPS is disabled during heartbeat wakeup.). Note: The MT90 can enter sleep mode under vibration, and vibration cannot wake the MT90 up from sleep mode. You can use the A19 command to wake up the MT90. After the T322 stops working for 15 minutes, it automatically enters the power-saving sleep mode. In this way, the GPS module does not work, and the T322 does not upload tracking data at a regular interval. Instead, the T322 sends heartbeat data packets about the positioning cease (the GPS does not take effect) to the platform every 60 minutes.

	The interval for sending heartbeat packets can be changed. If the T322 vibrates, the T322 is waken up, continues to work normally, and reports data including heartbeat packet data at a regular interval. In any condition, you can use an SMS or a GPRS command to disable the sleep mode, and then the tracker exits the sleep mode and returns back to the normal working mode.
Applicable Model	All
Example	
SMS Sending	0000,A73,2
SMS Responding	353358017784062,A73,OK

3.19 Reading an Authorized Phone Number and an SMS Event Code Mark – B00

SMS Sending	0000,B00,*Location*
SMS Responding	IMEI,B00,*Location*,*Phone number*,*Event code mark*
Description	Location: digits 1 to 3, indicating the sequence of authorized phone numbers Phone number: a maximum of 16 bytes. Authorized phone numbers are empty by default. Event code mark: 16 + 8 bytes. Hexadecimal string. For details about event codes, see section 1.2 "Event Code and SMS Header."
Applicable Model	All
Example	
SMS Sending	0000,B00,1
SMS Responding	353358017784062,B00,1,13612345678,0000000000000F0A00000000

3.20 Setting an Authorized Phone Number and SMS Event Code Mark – B01

SMS Sending	0000,B01,*Location*,*Phone number*,*Event code*
SMS Responding	IMEI,B01,OK
Description	Location: digits 1 to 3, indicating the sequence of authorized phone numbers Phone number: a maximum of 16 bytes. Phone numbers are empty by default. Event code: If the comma next to the command and event mark are empty, the event code is set to the default value. For details about event codes, see section 1.2 "Event Code and SMS Header."
Applicable Model	All
Example	
SMS Sending	0000,B01,1,13612345678,1
SMS Responding	353358017784062,B01,OK

3.21 Adding an Authorized Phone Number and SMS Event Code Mark – B02

SMS Sending	0000,B02,*Location*,*Event code*

SMS Responding	IMEI,B02,OK
Description	Location: digits 1 to 3, indicating the sequence of authorized phone numbers Event code: For details about event codes, see section 1.2 "Event Code and SMS Header."
Applicable Model	All
Example	
SMS Sending	0000,B02,1,17
SMS Responding	353358017784062,B02,OK

3.22 Deleting an Authorized Phone Number and SMS Event Code Mark – B03

SMS Sending	0000,B03, *Location*,*Event code*
SMS Responding	IMEI,B03,OK
Description	Location: digits 1 to 3, indicating the sequence of authorized phone numbers Event code: For details about event codes, see section 1.2 "Event Code and SMS Header."
Applicable Model	All
Example	
SMS Sending	0000,B03,1,17
SMS Responding	353358017784062,B03,OK

3.23 Setting a Geo-Fence – B05

SMS Sending	0000,B05,*Fence number*,*Latitude*,*Longitude*,*Semidiameter*,*Alarm for entering a fence*,*Alarm for exiting a fence*
SMS Responding	IMEI,B05,OK
Description	Fence number: digits 1 to 8. A maximum of eight geo-fences can be set. Latitude: latitude of the geo-fence center; decimal; accurate to 6 digits after the decimal part. If there are only 4 characters in the decimal part, add two digits 0. Otherwise, the command cannot be used successfully. Longitude: longitude of the geo-fence center; decimal; accurate to 6 digits after the decimal part. If there are only 4 characters in the decimal part, add two digits 0. Otherwise, the command cannot be used successfully. Semidiameter: The value ranges from 1 to 4294967295. The unit is m. When the alarm for entering a fence is **0**, disable the alarm function. When the alarm for entering a fence is **1**, enable the alarm function. When the alarm for exiting a fence is **0**, disable the alarm function. When the alarm for exiting a fence is **1**, enable the alarm function.
Applicable Model	All
Example	
SMS Sending	0000,B05,1,22.913191,114.079882,1000,0,1
SMS Responding	353358017784062,B05,OK *When the tracker exits the geo-fence (latitude: 22.913191; longitude: 114.079882; semidiameter: 1000m), the tracker sends the following information to the preset authorized phone number:*

	Exit GEO ,110721 *16:40,V,12,56Km/h,97%,http://maps.meigps.com/?lat=22.513015&lng=114.057235*

3.24 Deleting a Geo-Fence – B06

SMS Sending	0000,B06, *Fence number*
SMS Responding	IMEI,B06,OK
Description	Fence number: digits 1 to 8. Only one geo-fence can be deleted each time by SMS or GPRS command.
Applicable Model	All
Example	
SMS Sending	0000,B06,1
SMS Responding	353358017784062,B06,OK

3.25 Setting the Overspeed Alarm Function – B07

SMS Sending	0000,B07,*Alarm speed*
SMS Responding	IMEI,B07,OK
Description	When the alarm speed is **0** (default value), disable the overspeed alarm function. When the alarm speed is a value ranging from 1 to 255, set the speed limit. When the driving speed reaches the value, an overspeed alarm is generated.
Applicable Model	All
Example	
SMS Sending	0000,B07,60
SMS Responding	353358017784062,B07,OK *When the tracker driving speed reaches 60 km/h, the tracker sends the following information to the preset authorized phone number:* *Speeding,110721* *16:40,V,12,61Km/h,97%,http://maps.meigps.com/?lat=22.513015&lng=114.057235*

3.26 Setting the Towing Alarm Function – B08

SMS Sending	0000,B08,*Vibration duration*
SMS Responding	IMEI,B08,OK
Description	When the tracker vibration duration exceeds the preset value, the tracker sends an alarm to an authorized phone number or the server. Before using the towing alarm function, ensure that the smart sleep level is set to **2** by using the A73 command and the consecutive vibration duration is set by using the B08 command. Otherwise, the towing alarm function is unavailable. When the consecutive vibration duration is **0** (default value), disable the towing alarm function.

	When the consecutive vibration duration is a value ranging from 1 to 255, set the waiting time of an alarm caused by consecutive vibration. The unit is second.
Applicable Model	All
Example	
SMS Sending	0000,B08,3
SMS Responding	353358017784062,B08,OK *When the tracker vibrates for more than consecutive three seconds, the tracker sends the following information to the preset authorized phone number:* *Tow,110721* *16:40,V,12,56Km/h,97%,http://maps.meigps.com/?lat=22.513015&lng=114.057235*

3.27 Setting 3D Sensor Sensitivity (MVT340/MVT380) – B09

SMS Sending	0000,B09,*Sensitivity*
SMS Responding	IMEI,B09,OK
Description	When the sensitivity is a value ranging from 1 to 65535, set the 3D sensor sensitivity level. The smaller the sensitivity value is, the higher the sensitivity level is. The default sensitivity value is **1**.
Applicable Model	MVT340/MVT380
Example	
SMS Sending	0000,B09,10
SMS Responding	353358017784062,B09,OK

3.28 Setting the Anti-Theft Function – B21

SMS Sending	0000,B21,*Status*
SMS Responding	IMEI,B21,OK

<table>
<tr><td>Description</td><td>When the activation status is 1 (default value), set the anti-theft function. An alarm is generated when the first negative input and first positive input of MVT series trackers excluding SOS are activated. For example, an alarm is generated when input 3 or 4 of the MVT800 is activated or input 2 or 3 of the T322X is activated.
When the activation status is 0, disable the anti-theft function. No alarm is generated when the first negative input and first positive input of MVT series trackers excluding SOS are activated. Recorded data can only be read by GPSlog or Meitrack Manager software.
Note: The function is only available for MVT series, T1, and T322X trackers. The following lists inputs of trackers:
<table>
<tr><th>Tracker</th><th>Negative Input (Vehicle Door)</th><th>Positive Input (ACC)</th></tr>
<tr><td>MVT100</td><td>-</td><td>Input 2</td></tr>
<tr><td>MVT340</td><td>-</td><td>Input 2</td></tr>
<tr><td>MVT380</td><td>Input 2</td><td>Input 4</td></tr>
<tr><td>MVT600</td><td>Input 2</td><td>Input 3</td></tr>
<tr><td>T1</td><td>Input 2</td><td>Input 3</td></tr>
<tr><td>MVT800</td><td>Input 3</td><td>Input 4</td></tr>
<tr><td>T322X</td><td>Input 3</td><td>Input 2</td></tr>
</table>
Note: When the T322X/MVT800 is in arming state and input 3 is triggered, the buzzer makes a sound and the tracker makes a call and sends an SMS to the authorized phone number. In this way, if T322 input 2/MVT800 input 4 is triggered, output 1 is activated and the tracker makes a call and sends an SMS to the authorized phone number.</td></tr>
<tr><td>Applicable Model</td><td>MVT100/MVT340/VT380/MVT600/T1/MVT800/T322X</td></tr>
<tr><td colspan="2">Example</td></tr>
<tr><td>SMS Sending</td><td>0000,B21,1</td></tr>
<tr><td>SMS Responding</td><td>353358017784062,B21,OK</td></tr>
</table>

3.29 Setting Extension Functions – B31

SMS Sending	0000,B31,AB
SMS Responding	IMEI,B31,OK
Description	When A is **0** (default value), enable an indicator. This helps view device running status. When A is **1**, disable an indicator. B: reserved.
Applicable Model	Excluding the T322X
Example	
SMS Sending	0000,B31,11
SMS Responding	353358017784062,B31,OK

3.30 Setting a Recording Interval – B34

SMS Sending	0000,B34,*Recording interval*
SMS Responding	IMEI,B34,OK
Description	Set the interval for recording data to the tracker flash memory when the GPS signal exists. When the recording interval is **0** (default value), disable the recorder function. When the recording interval is a value ranging from 1 to 65535, set the interval. The unit is second.
Applicable Model	Excluding the T322X/MVT340
Example	
SMS Sending	0000,B34,60
SMS Responding	353358017784062,B34,OK

3.31 Setting the SMS Time Zone – B35

SMS Sending	0000,B35,*SMS minute*
SMS Responding	B35,OK
Description	The default tracker time zone is GMT 0. You can run the B35 command to change the SMS time zone to the local time zone. The SMS time zone is different from the GPRS data packet time zone. When **SMS minute** is **0**, the time zone is **GMT 0** (default time zone). When **SMS minute** is a value ranging from -32768 to 32767, set time zones.
Applicable Model	All
Example	
SMS Sending	0000,B35,480
SMS Responding	353358017784062,B35,OK

3.32 Setting the GPRS Time Zone – B36

SMS Sending	0000,B36,*GPRS minute*
SMS Responding	IMEI,B36,OK
Description	When **GPRS minute** is **0**, the time zone is **GMT 0** (default time zone). The MS02 can automatically detect the user time zone, so that the GPRS time zone does not need to be changed. Otherwise, inaccurate data occurs. When **GPRS minute** is a value ranging from -32768 to 32767, set time zones.
Applicable Model	All
Example	
SMS Sending	0000,B36,480
SMS Responding	353358017784062,B36,OK

3.33 Checking the Engine First to Determine Tracker Running Status – B60

SMS Sending	0000,B60,X
SMS Responding	IMEI,B60,OK
Description	When **X** is **1**, check the engine first to determine whether the tracker is moving or stops. This prevents static drift. When **X** is **0**, you do not need to check the engine to determine whether the tracker is moving or stops (default). The first positive input of the tracker connects to engine detection by default.
Applicable Model	MVT100/MVT380/MVT600/T1/MVT800/T322X
Example	
SMS Sending	0000,B60,1
SMS Responding	353358017784062,B60,OK

3.34 Setting SMS Event Characters – B91

SMS Sending	0000,B91,Event SMS code,SMS header
SMS Responding	IMEI,B91,OK
Description	Header: a maximum of 16 bytes For details, see section 1.2 "Event Code and SMS Header."
Applicable Model	Excluding the T322X
Example	
SMS Sending	0000,B91,1,SOS
SMS Responding	353358017784062,B91,OK

3.35 Setting Event Authorization (TC68) — B99

SMS Sending	0000, B99,<SMS>/<0>,*<Phone number location>*/*<Authorized phone number>*,*<Operation code>*, [*Event code 1*]…[*Event code n*] 0000,B99,<CALL>/<1>,*<Phone number location>*/*<Authorized phone number>*,*<Operation code>*, [*Event code 1*]…[*Event code n*] 0000,B99,<GPRS>/<2>,*<Operation code>*, [*Event code 1*]…[*Event code n*] 0000,B99,<BUZZER>/<4>,*<Operation code>*, [*Event code 1*]…[*Event code n*].
SMS Responding	IMEI,B99,<SMS>/<0>,*<Phone number location>*,*<Authorized phone number>*, [*Event code 1*]…[*Event code n*] IMEI,B99,<CALL>/<1>,*<Phone number location>*,*<Authorized phone number>*, [*Event code 1*]…[*Event code n*] IMEI,B99,<GPRS>/<2>,[*Event code 1*]…[*Event code n*] IMEI,B99,<BUZZER>/<4>,[*Event code 1*]…[*Event code n*]
Description	Fields SMS, CALL, GPRS, and BUZZER can be presented in decimal string. Operation codes GET, SET, ADD, and DEL can be presented in decimal string. These characters are not case-sensitive. Note: Ensure that an authorized phone number is set before the B99 command is used

	to set the SMS/CALL event code. You can use the A71 command or the parameter configuration tool to set an authorized phone number. The tracker compares the authorized phone number issued by B99 with the authorized phone number (excluding +86 characters) in the tracker. If the phone numbers are the same, the event code is stored in newly set mode. If the phone numbers are inconsistent, the operation fails to be performed.
Applicable Model	TC68
Example	
SMS Sending	0000, B99,gprs,get
SMS Responding	353358017784062, B99,1,17,18

3.36 Output Control – C01

SMS Sending	0000,C01,*Speed*,ABCDE
SMS Responding	IMEI,C01,OK
Description	When the speed is 0, no speed limit exists. That is, when the tracker receives a command, the output control takes effect immediately. When the speed is a value ranging from 1 to 255 (unit: km/h), set the speed limit for output control. When the driving speed is less than the speed limit, the output control takes effect. A=0, close output (OUT1) -open drain A=1, open output (OUT1) -connect to GND A=2, remain previous status. B=0, close output (OUT2) -open drain B=1, open output (OUT2) -connect to GND B=2, remain previous status. C=0, close output (OUT3) -open drain C=1, open output (OUT3) -connect to GND C=2, remain previous status. D=0, close output (OUT4) -open drain D=1, open output (OUT4) -connect to GND D=2, remain previous status. E=0, close output (OUT5) -open drain E=1, open output (OUT5) -connect to GND E=2, remain previous status.
Applicable Model	MVT100/340/380/600/T1/MVT800
Example	
SMS Sending	0000,C01,20,12221
SMS Responding	353358017784062,C01,OK

3.37 Setting a GPRS Event Transmission Mode – C03

SMS Sending	0000,C03,X

SMS Responding	IMEI,C03,OK
Description	X = 0: automatic event report (default) X = 1: Before another event is transmitted, existing event reports need the server's confirmation by the AFF command. This mode is selected when GPRS uses UDP.
Applicable Model	Excluding the T322X
Example	
SMS Sending	0000,C03,0
SMS Responding	353358017784062,C03,OK

3.38 Setting the GPRS Cache Data Sending Mode – C04

SMS Sending	0000,C04,X
SMS Responding	IMEI,C04,OK
Description	X = 0: FIFO First In First Out Mode (default). Data is stored in queue mode. X = 1: FILO First In First Out Mode. Data is stored in stack mode.
Applicable Model	MVT380
Example	
SMS Sending	0000,C04,1
SMS Responding	353358017784062,C04,OK

3.39 SMS Display (MVT600/T1) – C11

SMS Sending	0000,C11,Text
SMS Responding	IMEI,C11,OK
Description	**The command is used to display a SMS send by a mobile phone on the LCD screen.** Text: indicates the SMS text. ASCII character string; a maximum of 150 bytes.
Applicable Model	MVT600/T1
Example	
SMS Sending	0000,C11,SMS Message
SMS Responding	353358017784062,C11,OK

3.40 Authorizing an RFID (MVT600/T1) – D10

SMS Sending	0000,D10,RFID(1),RFID(2),…,RFID(n)
SMS Responding	IMEI,D10, OK
Description	RFID (n): indicates the authorized RFID. The value ranges from 1 to 4294967295. Decimal. A maximum of 50 RFID cards can be authorized one time.
Applicable Model	MVT600/T1
Example	
SMS Sending	0000,D10,00000001
SMS Responding	353358017784062,D10,OK

3.41 Authorizing RFIDs In Batches (MVT600/T1) – D11

SMS Sending	0000,D11, Start RFID card number,n
SMS Responding	IMEI,D11, OK
Description	Start RFID card number: The value ranges from 1 to 4294967295. Decimal. n: indicates the number of batch-authorized RFID cards. Decimal. The maximum value is 128.
Applicable Model	MVT600/T1
Example	
SMS Sending	0000,D11,00000001,128
SMS Responding	353358017784062,D11,OK

3.42 Deleting an Authorized RFID (MVT600/T1) – D14

SMS Sending	D14,RFID(1),RFID(2),…,RFID(n)
SMS Responding	D14, OK
Description	RFID (n): indicates the RFID to be deleted. The value ranges from 1 to 4294967295. Decimal. A maximum of 50 RFIDs can be deleted one time. One SMS (including protocols) cannot exceed 140 bytes.
Applicable Model	MVT600/T1
Example	
SMS Sending	0000,D14,00000001
SMS Responding	353358017784062,D14,OK

3.43 Deleting Authorized RFIDs In Batches (MVT600/T1) – D15

SMS Sending	0000,D15, Start RFID card number,n
SMS Responding	IMEI,D15, OK
Description	Start RFID card number: ranges from 1 to 4294967295. Decimal. n: indicates the number of RFID cards to be deleted in batches. Decimal. The maximum value is 128. When the start card number is a value ranging from 1 to 4294967295 and n is greater than or equal to 65536, all authorized numbers will be deleted.
Applicable Model	MVT600/T1
Example	
SMS Sending	0000,D15,00000001,128
SMS Responding	353358017784062,D15,OK

3.44 Setting a Rush Deceleration Alarm (TC68) – D30

SMS Sending	D30,*Accelerated speed*
SMS Responding	D30,OK
Description	Unit: m/s^2 Value range: [0,255] When the value is **0**, disable the rush deceleration alarm function. The default value is **0**.
Applicable Model	TC68
Example	
SMS Sending	0000,D30,10
SMS Responding	353358017784062,D30,OK

3.45 Setting a Rush Acceleration Alarm (TC68) – D31

SMS Sending	D31,*Accelerated speed*
SMS Responding	D31,OK
Description	Unit: m/s^2 Value range: [0,255] When the value is **0**, disable the rush acceleration alarm function. The default value is **0**.
Applicable Model	TC68
Example	
SMS Sending	0000,D31,10
SMS Responding	353358017784062,D31,OK

3.46 Setting an Overspeed Alarm of Engine Rotational Speed (TC68) – D32

SMS Sending	D32,*Rotational speed*
SMS Responding	D32,OK
Description	Unit: rpm Value range: [0,65535] When the value is **0**, disable the overspeed alarm function. The default value is **0**.
Applicable Model	TC68
Example	
SMS Sending	0000,D32,3000
SMS Responding	353358017784062,D32,OK

3.47 Setting an Engine Water Overheat Alarm (TC68) – D33

SMS Sending	D33,*Temperature*
SMS Responding	D33,OK
Description	Unit: °C Value range: [0,255]

	When the value is **0**, disable the overheat alarm function. The default value is **0**.
Applicable Model	TC68
Example	
SMS Sending	0000,D33,110
SMS Responding	353358017784062,D33,OK

3.48 Setting a Parking Engine on Alarm (TC68) – D34

SMS Sending	D34,*Time*
SMS Responding	D34,OK
Description	Unit: s Value range: [0,65535] When the value is 0, disable the parking engine on alarm. The default value is **0**. When the vehicle speed turns 0 but the engine rotational speed is not 0 for over the preset time, the vehicle is stopped but the engine is not stopped. In this way, when the vehicle speed turns a value except 0 or the engine rotational speed is 0, exit the existing state.
Applicable Model	TC68
Example	
SMS Sending	0000,D34,30
SMS Responding	353358017784062,D34,OK

3.49 Setting a Fatigue Driving Alarm (TC68) – D35

SMS Sending	D35,*Driving time*
SMS Responding	D35,OK
Description	Unit: minute Value range: [0,65535] When the value is **0**, disable the fatigue driving alarm function. The default value is **0**. Additional condition: The engine rotational speed is not 0. When the engine is stopped for a time period, the rest duration will be calculated again. The rest duration is set by the D36 command.
Applicable Model	TC68
Example	
SMS Sending	0000,D35,180
SMS Responding	353358017784062,D35,OK

3.50 Setting the Rest Duration after Fatigue Driving (TC68) – D36

SMS Sending	D36,*Rest duration*
SMS Responding	D36,OK
Description	Unit: minute

	Value range: [0, 65535] When the value is **0**, the fatigue driving state cannot exit after a fatigue driving alarm is generated. The default value is **0**. Rest condition: The engine is stopped. When the engine rotational speed is not 0, clear the rest time. After the rest duration exceeds the preset duration, the driving duration will be cleared.
Applicable Model	TC68
Example	
SMS Sending	0000,D36,180
SMS Responding	353358017784062,D36,OK

3.51 Setting a VIN (TC68) – D47

SMS Sending	D47,VIN
SMS Responding	D47,OK
Description	The Vehicle Identification Number (VIN) contains 17characters, which does not include the letters I (i), O (o), or Q (q) (to avoid confusion with numerals 1 and 0). When the tracker cannot read the VIN, set a VIN. When the tracker can read the VIN, the existing VIN will be covered.
Applicable Model	TC68
Example	
SMS Sending	0000,D47,1234567890ASDFGHJ
SMS Responding	353358017784062,D47,OK

3.52 Reading a VIN (TC68) – D48

SMS Sending	D48
SMS Responding	D48,VIN
Description	The VIN contains 17characters, which does not include the letters I (i), O (o), or Q (q) (to avoid confusion with numerals 1 and 0).
Applicable Model	TC68
Example	
SMS Sending	0000,D48
SMS Responding	353358017784062,D48,1234567890ASDFGHJ

3.53 Setting the Vehicle Automatic Diagnosis Function (TC68) – D51

SMS Sending	D51,flag
SMS Responding	D51,OK
Description	When **Flag** is **0**, disable the function. The default value is **0**. When **Flag** is **1**, enable the function. Automatic diagnosis condition: The engine is started; idling; temperature 85℃ to

	106℃. After the function is enabled and the engine is started, if the engine status meets the three conditions, the vehicle is diagnosed automatically.
Applicable Model	TC68
Example	
SMS Sending	0000,D51,1
SMS Responding	353358017784062,D51,OK

3.54 Setting Automatic Diagnosis Parameters (TC68) – D52

SMS Sending	D52,1,xx,yy,2,xx,yy,3,xx,yy…
SMS Responding	D52,OK
Description	xx: lower limit; yy: upper limit Only 18 items are included as follows: 1. "Engine calculation load, 0|100,20|50","%" 2. Reserved. Data cannot be configured. 3. "Short-term fuel correction (cylinder block group 1), -20|20,-10|10","%" 4. "Long-term fuel correction (cylinder block group 1), -20|20,-10|10","%" 5. "Short-term fuel correction (cylinder block group 2), -20|20,-10|10","%" 6. "Long-term fuel correction (cylinder block group 2), -20|20,-10|10","%" 7. " Oil pressure,0|765,4.5|5.5","kPa" 8. "Intake air pressure,0|100,29|48","Kpa" 9. "Engine revolution,0|6500,600|1000","Rpm" 10. Reserved. Data cannot be configured. 11. "Ignition advance angle,0|30,10|14","deg" 12. "Intake air temperature,0|80,10|60","degC" 13. "Air flow,0|30,3|6","g/s" 14. "Throttle position,0|100,0|5","%" 15. Reserved. Data cannot be configured. 16. "Vapor pressure,-1832|8192","Pa" 17. "Atmospheric pressure,0|110,60|102","kpa" 18. "Battery voltage,0|15,12|13.6","V"
Applicable Model	TC68
Example	
SMS Sending	0000,D52,1,2,20,2,85,105
SMS Responding	353358017784062,D52,OK

3.55 Setting OBD SMS Event Characters (TC68) – D59

SMS Sending	D59,SMS event code,SMS header
SMS Responding	D59,OK
Description	Header text: a maximum of 16 bytes For details, see the OBD event code.

Applicable Model	TC68
Example	
SMS Sending	0000,D59,129,SpeedUp
SMS Responding	353358017784062,D59,OK

3.56 Setting the Percentage of the Low Fuel Alarm (TC68) – D63

SMS Sending	D63,*Percentage*
SMS Responding	D63,OK
Description	Unit: % Value range: [0,100] When the value is **0**, disable the low fuel alarm function. The default value is **0**.
Applicable Model	TC68
Example	
SMS Sending	0000,D63,30
SMS Responding	353358017784062,D63,OK

3.57 Reading the Tracker Firmware Version and SN – E91

SMS Sending	0000,E91
SMS Responding	IMEI,E91,Version,SN
Description	Read the tracker firmware version and SN.
Applicable Model	All
Example	
SMS Sending	0000,E91
SMS Responding	353358017784062,E91,FWV1.00,12345678

3.58 Restarting the GSM Module – F01

SMS Sending	0000,F01
SMS Responding	IMEI,F01,OK
Description	Restart the GSM module.
Applicable Model	Excluding the T322X
Example	
SMS Sending	0000,F01
SMS Responding	353358017784062,F01,OK

3.59 Restarting the GPS Module – F02

SMS Sending	0000,F02
SMS Responding	IMEI,F02,OK
Description	Restart the GPS module.

Applicable Model	Excluding the T322X
Example	
SMS Sending	0000,F02
SMS Responding	353358017784062,F02,OK

3.60 Setting Mileage and Running Time – F08

SMS Sending	0000,F08,Running time,Mileage
SMS Responding	IMEI,F08,OK
Description	Running time: ● Value range: [0, 4294967295] ● Decimal ● Unit: second If the parameter leaves blank, it will not be set. Mileage: ● Value range: [0, 4294967295] ● Decimal ● Unit: m If the parameter leaves blank, it will not be set.
Applicable Model	All
Example	
SMS Sending	0000,F08,0,4825000
SMS Responding	353358017784062,F08,OK *Note: In the command above, the running time is set to **0**, and the mileage is set to 4825 km.*

3.61 Deleting SMS/GPRS Cache Data – F09

SMS Sending	0000,F09,*Number*
SMS Responding	IMEI,F06,OK
Description	If the number is 1, delete all SMS cache data to be sent. If the number is 2, delete all GPRS cache data to be sent. If the number is 3, delete all SMS and GPRS cache data to be sent.
Applicable Model	All
Example	
SMS Sending	0000,F09,1
SMS Responding	353358017784062,F09,OK

3.62 Restoring Initial Settings – F11

SMS Sending	0000,F11
SMS Responding	IMEI,F11,OK

Description	Restore initial settings except the SMS password.
Applicable Model	All
Example	
SMS Sending	0000,F11
SMS Responding	353358017784062,F11,OK

3.63 Enabling the GPRS Function – F12

SMS Sending	0000,F12
SMS Responding	IMEI,F12,OK
Description	Enable the GPRS function and set the following GPRS parameters: 1. Set the GPRS connection mode to TCP. 2. Set the interval to 10 minutes. 3. Set the IP address to 114.112.54.134 and port to 8800. 4. Set the APN to cmnet, and leave the APN user name and password blank. Note: Run the 0000,F13 command to set the American server (67.203.13.26). For the TC68, the port is 6800 by default.
Example	
SMS Sending	0000,F12
SMS Responding	353358017784062,F12,OK

3.64 Changing the Tracker Password – F20

SMS Sending	0000,F20,New password
SMS Responding	IMEI,F20,OK
Description	Change the password. The password has a maximum of four digits.
Applicable Model	All
Example	
SMS Sending	0000,F20,1234
SMS Responding	353358017784062,F20,OK

3.65 Initializing the Tracker Password – FAB

SMS Sending	8888,FAB
SMS Responding	IMEI,FAB,OK
Description	The command is used to restore the tracker password to the password before tracker delivery. The command takes effect only when the authorized phone number is used to send the command.
Applicable Model	All
Example	
SMS Sending	8888,FAB

SMS Responding	353358017784062,FAB,OK

If you have any questions, do not hesitate to email us at info@meitrack.com.