MEITRACK SMS Prcotocol

Compatible Models: All Models

Document Record

Document	MEITRACK SMS Communication Protocol		
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Contents

1 data format

SMS Message Format

The SMS package sent by the mobile phone (SMS Cat) to the terminal: Password, <Command Type>, <Command Content>

Note: The password consists of four digits, with the default being 0000.

Text message package sent from the terminal to the mobile phone (SMS Cat):

Command response: IMEI, <command type>, OK Location report: SMS header, date and time, location status, GSM signal strength, speed, remaining battery level, map link Example SMS content:

Now,072118 16:40,A,12,56Km/h,97%,http://maps.meigps.com/?lat=22.513015&lng=114.057235

elaborate：

project	description	example
SMS Header	SMS report type: indicates a regular report or various types of alert messages. For a detailed explanation, see Section 1.2 "Event Codes	Now Show current location report
Date and Time	Format: MMDDYY HH:MM MM = month; DD = day; YY = year; hh = hour; mm = minute – a decimal character format.	072118 16:40 Indicates July 21,2018, at 4:00 PM 40 points
Position Status	GPS signal condition A = Positioned, V = Unpositioned	A Indicates the terminal has reached its designated
GSM signal intensity	GSM signal strength, ranging from 0 to 31 in decimal character format. 16 The above GPRS must be enabled for successful	12 Indicates signal strength of 12
velocity	kilometers/hour, in decimal format.	56 Displays a speed of 56 km/h
Remaining Battery Capacity	Remaining battery capacity of the device	97% The battery has 97% remaining capacity
Map Link	A map link with latitude and longitude that can be accessed directly on your phone Lat represents latitude, while lon represents longitude. If your phone does not support accessing HTTP web pages, enter the coordinates into the URL http://maps.meigps.com/. Query location (Note: The first two digits before the decimal point represent latitude, and the first three digits represent longitude.)	http://maps.meigps.com/?lat=22.513015&l ng=114.057235 Lat is the latitude, with a value of 22.513015 LNG is the longitude, with a value of 114.057235

2 Instruction List

type of instruction	Instruction Description	Applicable Model
A00	Real-time Location Query	All Models
A02	Set Text Message Timed Tracking	All Models
A10	Real-time Latitude and Longitude Query	All Models
A11	Set Heartbeat packet interval	All Models
A12	Set GPRS Timed Tracking	All Models
A13	Set Turn Report	All Models
A14	Set Interval Tracking	All Models
A15	Set parking timing tracking	All models except (P88L/P99/K211)
A16	Turn on parking timing tracking feature	All models except (P88L/P99/K211)
A17	Enable or disable RFID control OUT1	All models except (P88L/P99/K211)
A19	3D Vibration Wake Up	MT90/MT90G/P99G/T355/T355G/P99G/P99L/K211L/P88L/P99E
A21	Set GPRS Parameters	All Models
A22	Set DNS Server IP	All Models
A23	Set up a backup GPRS server	All Models
A25	Set IP3 Parameters	T633L/T399L/T711L/MDVR
A29	Set Fall Alarm	MT90G/MT90L/P88L/P99E/P99G/P99L
A55	Set roaming interval	All Models
A70	Read all authorization numbers	All Models
A71	Set Combination Function Number	All Models
A72	Quickly Set Monitoring Number	All Models
A73	Set Smart Sleep Mode	All Models
A83	Set the maximum duration for GPS to be enabled during heartbeat wake-up	P88L/P99E/P99G/P99L/K211L
A84	Set the GPRS scheduled upload interval unit	P88L/P99E/P99G/P99L
A85	Set Work Mode	P88L/P99E/P99G/P99L
AA5	Set Smart Mode	P88L
AA6	Set Up Automatic WiFi Search	P88L
AA7	Enable Audio Playback	P88L
AA8	Set an Alarm	P88L
AA9	Set Bluetooth Function	P88L
AAB	Prompt Settings	P88L
AAE	Enable Event Request Response Switch Function	P88L
AAF	Call Mode Selection	P88L
AB0	Set Smart Mode GPRS Timed Tracking	P88L
ABB	Set up WiFi Hotspot	MDVR
AC0	Set MDVR Audio Format	MDVR
ACA	Continuous photo capture, saving, and uploading to FTP	MDVR
ACB	Over-speed Control OUT1	T633L/T399L/T711L
AD9	Enable Bluetooth slave mode temporarily	TA255L/MD600/MD300
AE5	Enable Power Output	MD600/MD833H/MD300
B05	Set up an electronic fence	All Models
B06	Delete Electronic Fence	All Models
B07	Set Speed Exceedance Alarm	All Models
B08	Set Trailer Alarm	All models (except P88L/P99L)
B09	Set the vibration sensor sensitivity	All Models

B10	Quickly Set Towing Alarm	All Products
B11	Set Polygonal Electronic Fence	All Products
B14	Set the parameter for not turning off the engine when parking	All models except (P88L/P99/K211)
B15	Set Fatigue Driving Parameters	All models except (P88L/P99/K211)
B16	Set the duration for speed violation alarm detection	All models except (P88L/P99/K211)
B20	Set the vibration sensor sensitivity	T622E/T622G/T333
B21	Set Security Status	K211L/T333/T366/T366G/T366L/T399G/T399L/T622E/T622G/T633G/T633L/TC68SG /T711L
B22	Range and Speed Correction	MDVR product
B25	Reboot the device	T711L/T399L/T633LK211L/MD600/MD300/MD833H
B26	Set input port filtering time	MDVR/T333/T366/T366G/T366L/T399G/T399L/T622E/T622G/T711L
B27	Set Automatic Defense	T366/T366G/T366L/T399G/T399L/T711L
B2A	Set input port filtering time (New)	MDVR product
B30	Set scheduled photo-taking intervals	T633L
B31	Turn off the LED indicator	All models (except MDVR and P88L, which do not support it)
B32	Set the GPS module to sleep mode	K211L/T333/T366/T366G/T366L/T399G/T399L/T622E/T622G/T633G/T633L/TC68SG/T711L
B33	Set Power Saving Mode for the Whole Device	K211L/T333/T366/T366G/T366L/T399G/T399L/T622E/T622G/T633G/T633L/TC68SG/T711L
B35	Set SMS Time Zone	All Models
B36	Set GPRS Time Zone	All Models
B37	Enable automatic hibernation	T333/T366/T366G/T366L/T399G/T399L/T622E/T622G/T633G/T633L/T711L
B38	Set automatic sleep voltage value	T333/T622E/T622G/T633G/T633L
B57	Control Audio	MDVR product
B60	Mobile and Stationary Priority Detection Engine	T333/T366/T366G/T366L/T399G/T399L/T622E/T622G/T633G/T633L/T711L
B62	Configuration of the vehicle ignition detection method	TC68SG
B64	Set FTP Parameters	MDVR product
B6B	Set Video Upload Format	MDVR product
B99	Event Authorization Settings	All Models
BB8	Set the MDVR speaker volume level	MDVR product
BBD	Set the Quick Reduction Parameter	T366/T366G/T366L/T399G/T399L/T633G/T633L/TC68L/TC68SL/TS299L/T711L/MDVR
BC6	Set extreme left and right turns	T366/T366G/T366L/T399G/T399L/T633G/T633L/TC68L/TC68SL/TS299L/T711L//MDVR
BC7	Set low power to enable super deep sleep	K211L
BC8	Control power-on/off status after charging	P88L
BC9	Call Mode	P88L
BCA	Set video playback duration	MDVR product
BE4	Turn off static drift filtering	T399L/T633L/T711L
BFE	Set SMS Link	T399L/T633L/T711L/MDVR
C01	outgoing control	MDVR/T333/T366/T366G/T366L/T399G/T399L/T622E/T622G/T633G/T633L/T711L
C02	The GPRS platform control device sends an SMS.	All Models
C03	Set the reliable transmission method for GPRS events	All Models
C07	Set Input Port Input Mode	T366/T366G/T366L/T399G/T399L/T711L
C08	Set IO Port Mode	T366/T366G/T366L/T399G/MDVR/T399L/T711L
C45	Read real-time temperature	MDVR/T333/T366/T366G/T366L/T399G/T399L/T622E/T62

	value	2G/T633G/T633L/T711L
C47	Set oil quantity-related parameters	MDVR/T333/T399G/T399L/T622E/T622G/T633G/T633L/T711L
C48	Read parameters related to oil quantity	MDVR/T333/T399G/T399L/T622E/T622G/T633G/T633L/T711L
C49	Set oil leakage alarm	MDVR/T333/T366/T366G/T366L/T399G/T399L/T622E/T622G/T633G/T633L/T711L
C67	positioning mode	All Models
C69	volume control	All products (except T622E/T622G/TC68SG/T711L)
C70	Serial Peripheral Selection	T333/T366/T366G/T366L/T399G/T399L/T633G/T633L/T711L
C76	Command to shut down	K211L/P88L/P99E/P99G/P99L/T333/T633G/T633L
C77	Switch the power-off function using the on/off button.	K211L/P88L/P99E/P99G/P99L/T333/T366/T366G/T366L/T399G/T399L/T622E/T622G/T633G/T633L/T711L
C96	Oil Level Sensor Settings	
C9F	Set RFID control for OUT1 ignition and extinction wait time	MDVR/T633L/T711L/T399L
CB4	Set collision parameters	MDVR/T633L/T711L/T399L
CC2	Set Video Rotation Property	MDVR
CC5	Bluetooth Pairing Settings	MDVR/T711L/T399L
CC7	Set Tilt Alarm Calibration	T633G/T633L
CD4	Offline FOTA Parameter Settings	MDVR/T633L/T711L/T399L
D10	RFID/iButton Authorization	K211L/MDVR/T333/T366/T366G/T366L/T399G/T399L/T622E/T622G/T633G/T633L/T711L
D11	RFID/iButton Batch Authorization	K211L/MDVR/T333/T366/T366G/T366L/T399G/T399L/T622E/T622G/T633G/T633L/T711L
D12	Check if the known RFID number is authorized	K211L/MDVR/T333/T366/T366G/T366L/T399G/T399L/T622E/T622G/T633G/T633L/T711L
D14	Delete authorized RFID/iButton numbers	K211L/MDVR/T333/T366/T366G/T366L/T399G/T399L/T622E/T622G/T633G/T633L/T711L
D15	Delete authorized RFID/iButton numbers in bulk	K211L/MDVR/T333/T366/T366G/T366L/T399G/T399L/T622E/T622G/T633G/T633L/T711L
D71	GPS Location Information Filtering Settings	K211L/T366/T366G/T366L/T399G/T399L/T622E/T622G/T711L
D72	Output Port Trigger Settings	MDVR/T366/T366G/T366L/T399G/T399L/T622E/T622G/T711L
D73	GPRS Cache and GPSLOG Storage Space Allocation	MDVR/P99E/P99G/P99L/T366/T366G/T366L/T399G/T399L/T622E/T622G/TC68L/TC68SL/TS299L/T711L
D82	Container lock switch control: The mechanism for locking the container using the corresponding switch.	K211L
D83	Container lock mechanism for customs clearance	K211L
D9E	Set Peripheral Parameters	T333/T366/T366G/T366L
DA6	Check Device Status	T333/T366/T366G/T366L
DAF	Set the sensitivity level of the vibration sensor	K211L
DB0	Set the automatic authorization time for RFID card scanning	K211L/T333/T366/T366G/T366L/T622E/T622G/T633G/T633L
DB4	Check Device Parameters	T633L/T711L
DBE	Set hibernation conditions	K211L
DBF	Set Exit Sleep Conditions	K211L
DDB	Use the actual number of satellites	MDVR/P99E/P99G/P99L/T333/T366/T366G/T366L/T399G/T399L/T633G/T633L/TC68L/TS299L/T711L
DF3	Is a speed of less than 5 km/h required during fuel level detection?	MDVR/T633L/T711L/T399L
DDD	Set whether to use NITZ time	MDVR/P99E/P99G/P99L/T333/T366/T366G/T366L/T399G/T399L/T633G/T633L/TC68L/TS299L/T711L
E03	Set Engine Off Detection Time	TC68SG
E04	Get Terminal Command List	All Models

E91	Read the device software version and serial number	All Models
E94	FTP Configuration or Terminal Upgrade	MDVR/T633L/T711L/T399L/TA255L
F00	Restart the GSM/GPS module	All models (except K211L/MT90L/MT90G)
F01	Restart the GSM module	All Models
F02	Restart the GPS module	All Models
F08	Set distance and runtime	All models (except MT90L/MT90G)
F09	Delete SMS/GPRS cache data	All Models
F11	factory data reset	All Models
F20	Change Device Password	All models (except MT90L/MT90G)
F22	Modify K211L super password	K211L
FAB	Initialize Device Password	T711L/T633L/MD300/MD600
FAC	FAC-OTA Upgrade	T711L/T633L/T399L
117	Format the specified disk	MDVR
140	DVR Delayed Power Off Time	MD600

3 Detailed Instruction Description

3.1 Real-time Location Query – A00

SMS Message Content	0000,A00
Set SMS Response	Now, Date and Time, Location Status, GSM Signal Strength, Speed, Remaining Battery Capacity, Address Link
explanatory note	Query Terminal Current Location For a detailed explanation, see Section 1.1 "SMS Command Format" in this document.
example	
SMS Message Content	0000,A00
Set SMS Response	Now,072118 16:40,V,12,56Km/h,97%,http://maps.meigps.com/?lat=22.513015&lng=114.057235

3.2 Set Text Message Timed Tracking – A02

SMS Message Content	000,A02,Fixed interval, Number of reports, Target number
Set SMS Response	IMEI,A02,OK
explanatory note	Set interval to 0 to disable automatic SMS reporting (default value). Time interval = [1, 65535], sets the scheduled reporting time in minutes; Report count = 0: Reports continuously without a limit (typically used for platform location tracking); Report count = [1, 255]: Sets the SMS reporting frequency; stops reporting when the limit is reached. Target number: Send data periodically to the specified target number.
example	
SMS Message Content	0000,A02,10,0
Set SMS Response	353358017784062,A02,OK After successfully sending the above instructions, the target number will receive a location-based SMS every 10 minutes. Interval: 072118; Time: 16:40; V: 12; Speed: 56 km/h; Confidence: 97%; URL: http://maps.meigps.com/?lat=22.513015&lng=114.057235

3.3 Real-time Latitude and Longitude Query – A10

SMS Message Content	0000,A10

Set SMS Response	IMEI, Latitude, Longitude, Date and Time, Location Status, Number of Satellites, GSM Signal Strength, Speed, Direction Horizontal positioning accuracy, altitude, distance traveled, operation time, input/output port status
explanatory note	Query the terminal's current location; the response should be in latitude and longitude format. When querying via SMS A10, if the terminal's GPRS function is enabled and the parameters are correct, the device will simultaneously send a GPRS location data packet with event code 34 to the server. For users who use SMS Modems for platform tracking.
example	
SMS Message Content	0000,A10
Set SMS Response	353358017784062,Now,22.535888,114.063034,080310161834,A,9,27,30,179,0,15,8890,1346,,0000,,

3.4 Set Heartbeat Packet Interval – A11

SMS Message Content	0000,A11,Heartbeat packet interval
Set SMS Response	A11, OK / <Error Code>
explanatory note	Unit: minutes. Maximum value is 65,535 minutes. Set to 0 to disable this feature (default). Heartbeat packets are only applicable in deep sleep mode. When the device enters deep sleep, heartbeat packet data is sent at regular intervals. These packets solely maintain connection to the platform, so GPS positioning data becomes invalid.
example	
SMS Message Content	0000,A11,30
Set SMS Response	IMEI,A11,OK After the SMS instruction is successfully configured, the device enters deep sleep mode and receives one message every 30 minutes with event code 31 GPRS data

3.5 Set GPRS Timed Tracking – A12

SMS Setting Method	000,A12,Fixed Interval
Set SMS Response	IMEI,A12,OK
explanatory note	**Note: If the vehicle needs to send data at different intervals when starting and after turning off, refer to A15.** Use in conjunction with the instructions; see descriptions of A15 and A16 for details. Set the GPRS timing tracking interval to 10-second units. Time interval = 0: Disables the GPRS scheduled reporting function. Maximum time interval = 65535 × 10 seconds
example	
SMS Message Content	0000,A12,6
Set SMS Response	353358017784062,A12,OK

3.6 Set Turn Signal – A13

SMS Setting Method	000,A13,Angle Value
Set SMS Response	IMEI,A13,OK

explanatory note	When the driving direction exceeds the preset angle value, the terminal sends a location SMS to the authorized number. Angle value = 0: Disables the turn reporting feature (default); Angle value = [1, 359]: Sets the turning angle. T322X: Recommended value: 15 Other recommended values: 30
example	
SMS Message Content	0000,A13,30
Set SMS Response	353358017784062,A13,OK

3.7 Set Distance Tracking – A14

SMS Setting Method	000,A14,Driving Distance
Set SMS Response	IMEI,A14,OK
explanatory note	Driving distance = 0. Disables the fixed-distance reporting feature (default). Driving distance = [1, 65535]. Set the driving distance value in meters Note: When both GPRS scheduled tracking and distance-based tracking are enabled, the first condition met will take priority for reporting, and both timing and distance calculations will restart. For example, set the schedule to 1 minute and the distance threshold to 200 meters; if road conditions are favorable, the system will proceed accordingly. If the target is reached first, send a fixed-distance reporting data packet; if traffic congestion
example	
SMS Message Content	0000,A14,1000
Set SMS Response	353358017784062,A14,OK *After successfully sending the above command, the terminal will transmit a fixed-distance data packet to the preset authorization number after traveling 1000 meters.* Distance,072118 16:40,V,12,56Km/h,97%,http://maps.meigps.com/?lat=22.513015&lng=114.057235

3.8 Enable parking timing tracking – A15

SMS Setting Method	000,A15,Fixed Interval
Set SMS Response	IMEI,A15,OK
explanatory note	This feature is available only on in-car terminals. It reduces GPRS data transmissions after parking to save data usage. After enabling the A15 function, the software will automatically set A16 to enabled. For details on the logical relationship between engine switch states, refer to the A16 function description. The time interval is set to 10 seconds. Time interval = 0: Disables the GPRS scheduled reporting function. Maximum time interval = 65535 × 10 seconds
example	
SMS Message Content	0000,A15,6
Set SMS Response	353358017784062,A15,OK

3.9 3.9 Set the parking timing tracking function switch – A16

SMS Setting Method	0000,A16,state
Set SMS Response	IMEI,A16,OK

explanatory note	**The corresponding (high-level) input port of the vehicle terminal must be connected to engine status monitoring; otherwise, this function will not work.** **Implementation. The following list shows the first active trigger input ports corresponding to each vehicle-mounted terminal model:** State=1: Enable parking timing tracking functionality; GPRS uses the following transmission times: Engine started: transmitted at A12 intervals Engine Off: Send status = 0 at the A15 interval and disable parking timing tracking; GPRS will use the following transmission times: Engine On: Send at the A12 interval Engine Off: Send at the A12 interval
example	
SMS Message Content	0000,A16,0
Set SMS Response	353358017784062,A16,OK

3.10 Enable or disable RFID control OUT1 – A17

SMS Message Content	0000,A17,X
Set SMS Response	IMEI,A17,OK
explanatory note	When X=1, the OUT1 function can be controlled via RFID (using this function requires two conditions: 1. The engine must Enter input 3; 2. The RFID tag has been authorized. Set X to 0 to disable the RFID control of OUT1; this function is not enabled by default. For example: After writing the authorized RFID data, the engine must be activated within 1 minute (by pressing 3 to initiate engine detection). If this deadline is exceeded, re-writing the authorized RFID data is required to activate the engine. Once activated, pressing 3 continuously monitors the engine status; when the engine is detected as "ACC ON" (i.e., when input 3 remains high), OUTPUT1 remains off until the engine is detected as off again after 1 minute. To reactivate the engine subsequently, you must first rewrite the authorized RFID data. Note: 1. When this feature is enabled, OUTPUT1 will be active. 2. The T366/T366G/T366L components connect to Input 2 3. For T366/T366G/T366L: This function requires setting the RFID event for Output 1; otherwise, it will be invalid. 4. For details on RFID authorization, refer to Instructions D10–D15.
example	
SMS Message Content	0000,A17,0
Set SMS Response	353358017784062,A17,OK

3.11 3D Vibration Wake Up – A19

SMS Message Content	0000,A19,X
Set SMS Response	IMEI,A19,OK
explanatory note	This feature determines whether to use 3D vibration for deep sleep wake-up. X=0 indicates that 3D vibration does not activate. X=1 indicates 3D vibration wake-up (default). Note: Disabling 3D vibration wake-up enables data transmission for heartbeat packets; GPS is enabled by default.
example	
SMS Message Content	0000,A19,0
Set SMS Response	353358017784062,A19,OK

3.12 Set GPRS Parameters – A21

SMS Setting Method	000, A21, Connection Mode, IP Address, Port, APN, APN Login Name, APN Password
Set SMS Response	IMEI,A21,OK
explanatory note	Connection Mode = 0: Disables GPRS functionality; Connection Mode = 1: Enables GPRS functionality and uses TCP/IP reporting mode. Connection Mode = 2: Enable GPRS functionality and use UDP reporting mode. IP address: An IP address or domain name, up to 32 bytes. Port: Up to 5 digits. APN/APN username and APN password: Each field can be up to 32 bytes long; leave them blank if you do not need a username or password. Note: K211L requires a super password to be configured.
example	
SMS Message Content	0000,A21,1,server.meigps.com,8800 ,CMNET,,
Set SMS Response	353358017784062,A21,OK

3.13 Set DNS Server IP – A22

SMS Setting Method	0000, A22, DNS server IP
Set SMS Response	IMEI,A22,OK
explanatory note	If the A21 device cannot report GPRS data to the server properly, it may be due to the DNS server IP address. Incorrect. Use this command to set the DNS server IP (confirm your DNS server IP with your domain provider), then use the A21 command again to reset the domain name. DNS Server IP: up to 16 bytes
example	
SMS Message Content	0000,A22,202.105.21.232
Set SMS Response	353358017784062,A22,OK *This command sets the IP address for the peanut shell DNS server*

3.14 Set up the Backup GPRS Server – A23

SMS Setting Method	0000, A23, IP Address, Port
Set SMS Response	IMEI,A23,OK
explanatory note	IP: Maximum 32 bytes Port: Maximum 5 digits If sending the device to the server specified in the A21 instruction fails, it will be automatically sent to the backup server to prevent data loss.
example	
SMS Message Content	0000,A23, 182.92.69.175,8800
Set SMS Response	353358017784062,A23,OK

3.15 Set IP3 Parameter – A25

SMS Setting Method	000, A25, Connection Mode, IP Address, Port, APN Name, APN User Name, APN Password
Set SMS Response	IMEI,A25,OK
explanatory note	Connection Mode: TCP LONG mode is recommended 0 = Off, default 1 = TCP LONG 2 = UDP 3 = TCP SHORT (not supported yet) Enter an IP address or domain name, up to 32 characters.

	Enter the port number to connect in decimal format (range: 2–65534). "APN Name", "APN User Name", and "APN Password" each have a maximum length of 32 characters; refer to the APN configuration methods provided by your local carrier. Parameters that need modification: parameters preceding this parameter cannot be empty; parameters following this parameter must not be separated by commas unless modified; to clear parameters following this parameter, use a comma; after modifying any parameter and confirming successful settings, reconnect to GPRS; do not modify any parameter individually.
example	
SMS Message Content	0000,A25,1,server.meigps.com,8800 ,CMNET,,
Set SMS Response	353358017784062,A25,OK

3.16 Set Fall Alarm – A29

SMS Setting Method	0000,A29,SWITCH,TIME,GRADE
Set SMS Response	IMEI,A29,OK
explanatory note	1. SWITCH: Controls the fall alarm detection function (range 0–1):1 – activate the fall alarm detection; 0 – disable it. Turn off the fall alarm detection feature; the default value is 0. 2. TIME: Duration of buzzer sound and vibration after a fall. During this period, users can press any key to cancel the alarm to prevent false alarms. Exceeding this time will trigger the corresponding alarm event or call. Unit: seconds (range 0–255; default 10). 3. GRADE: Fall alarm level (sensitivity), range: 0–3 in decimal format, default value is 1; higher values indicate greater likelihood of triggering a fall alarm.
example	
SMS Message Content	0000,A29,1,10,1
Set SMS Response	353358017784062,A29,OK

3.17 Set roaming interval – A55

SMS Setting Method	000, A55, Timed Mode, T1, T2, T3, T4
Set SMS Response	IMEI, A55, <Timed Mode, T1, [T2], [T3], [T4]>
explanatory note	1. Timed Mode: Represented by decimal characters, typically combining states such as Acc On, Acc Off, non-roaming, and roaming; T1: Same as A12 function, with no restrictions on ACC On or non-roaming; T2: Fixed time interval for Acc Off or non-roaming Acc Off scenarios; T3: Fixed time interval for roaming Acc On or roaming without ACC restrictions; T4: Fixed time interval for roaming Acc Off scenarios. 2. The following lists the supported combination timing modes: Mode = 0 (T1): Similar to the A12 function, all data uploads occur at the time interval set for T1; configuration requires only sending "A55,0, T1". Additional parameters (T2, T3, etc.) are invalid (equivalent to none). Mode = 1 (T1 + T2): Similar to A12 and A15 functions; in this mode, T1 sets the upload interval during Acc On, while T2 sets the upload interval during Acc Off; command format: "A55,1, T1, T2". Mode = 2 (T1 + T3): In non-roaming mode, T1 is used as the timing interval; in roaming mode, T3 is used as the timing interval; command format: "A55,2, T1, T3". Mode = 3 (T1 + T3 + T4): In non-roaming mode, T1 serves as the timing interval with no Acc restrictions; during Acc On in roaming mode, T3 is used as the timing interval; during Acc Off in roaming mode, T4 is used as the timing interval; command format: "A55,3, T1, T3, T4". Mode = 4 (T1 + T2 + T3 + T4): In this mode, T1 is the time interval parameter for Acc On in non-roaming mode; T2 is the time interval parameter for Acc Off in non-roaming mode; T3 is the time interval parameter for Acc On during roaming; and T4 is the time interval parameter for Acc Off during roaming. 3. After setting the GPRS scheduled interval parameters using A55, the terminal will respond with the configured settings. If A55 is sent without parameters, it indicates that you are reading the terminal's GPRS scheduled interval-related parameters.
example	

SMS Message Content	0000,A55,0.6
Set SMS Response	353358017784062,A55,0,6

3.18 Read all authorized numbers – A70

SMS Message Content	0000,A70
Send SMS Reply	IMEI, A70, Function Number 1, Function Number 2, Function Number 3, Monitoring Number 1, Monitoring Number 2
explanatory note	Read all authorization numbers
example	
SMS Message Content	0000,A70
Send SMS Reply	353358017784062,A70,13811111111,13822222222,13833333333,13844444444,13855555555

3.19 Set Combination Function Number – A71

SMS Message Content	000,A71, Function Number 1, Function Number 2, Function Number 3
Set SMS Response	IMEI,A71,OK
explanatory note	Function number: up to 16 bytes. If not set, it is empty (default value: empty). Function Number 1/2/3: Set as an SOS emergency number; send location SMS when calling devices; receive electronic fence alerts and low battery alerts. When the SOS emergency number is pressed, the device will dial three numbers in sequence (1 through 3) until one number answers, then stop dialing. Note: If a number is left blank with a comma, the corresponding number is deleted; alarm events will overwrite or delete other alarm events. To delete all numbers in the combined function, send 0000 or A71 directly.
example	
SMS Message Content	0000,A71,13811111111,13822222222,13833333333
Set SMS Response	353358017784062,A71,OK

3.20 Quickly Set Monitoring Number – A72

SMS Message Content	000, A72, Monitoring Number 1, Monitoring Number 2
Set SMS Response	IMEI,A72,OK
explanatory note	When a set monitoring number calls the device, it will be automatically answered and enter monitoring mode without any sound. Number: You can set up to two monitoring numbers, each with a maximum of 16 digits. If no number is set, it will be empty (default value: empty). If no number is entered and a comma is left, the corresponding number will be deleted. To delete all numbers, send only 0000,A72.
example	
SMS Message Content	0000,A72,13844444444,13855555555
Set SMS Response	353358017784062,A72,OK

3.21 Enable Smart Sleep Mode – A73

SMS Setting Method	000, A73, Hibernation Level
Set SMS Response	IMEI,A73,OK
explanatory note	Set the device to automatically enter smart sleep mode when idle. Hibernation level = 0: Remove hibernation mode (default). Sleep mode = 1: Normal sleep; GSM module remains active, GPS enters intermittent sleep.

	Normal sleep mode provides approximately 25% longer battery life than normal operation mode. Note: This mode is not recommended for customers using scheduled tracking with short time intervals, as it may compromise trajectory integrity. Sleep level = 2: Deep sleep mode. If no active usage occurs for 5 minutes, the GPS module will be turned off and the GSM module enters sleep mode; upon detection of activity, both modules will be awakened and the cycle repeats. Heartbeat events can only occur during deep sleep mode, with a default interval of one heartbeat per hour. Active triggers include: SOS signal changes, low battery levels (internal/external), external power supply status, GPS antenna disconnection, trailer connection, extreme temperature conditions, ACC activation, or any input event (key press, vibration, incoming call, SMS receipt, call initiation, or heartbeat event); note that GPS is not activated during heartbeat wake-up. Sleep Level = 3: Super Deep Sleep. In this mode, GSM is completely disabled, and no SMS or calls are received. The device can be awakened periodically by heartbeat packets. Sleep Level = 4 (for P88L only), Smart Work Mode. The P88L adjusts its operation based on user habits, with functionality depending on GPS/WIFI stop points and scheduled tracking intervals. (For details, see the Smart Work Mode section in the P88L User Manual.) pour： 01 Active mode does not include vibration by default. To enable vibration wake-up, use the A19 command to activate 3D. Vibration Wake Up Function The device defaults to deep sleep mode. After five minutes without any triggering events (disconnection, call, SMS, vibration), the infotainment system enters deep sleep mode with both the 2G/3G modules and GPS module disabled. This state is activated upon occurrence of a triggering event (disconnection or vibration) to resume normal operation. The system then intelligently switches between GPS and 2G/3G modules based on the vehicle's driving or stationary status for optimal power efficiency. During deep sleep, the device can only be awakened by "drop" or "vibration". If a vibration event occurs, it returns to sleep mode. Sleep Level 0: The operating mode cycles between Sleep Level 0 and Sleep Level 2. Active behaviors such as scheduled/interval-based functions are disabled until the sleep mode ends. If a drop event occurs, the sleep mode is canceled and reverts to deep sleep only when the vehicle system is reinstalled. After 15 minutes of inactivity, the device 03T322X automatically enters power-saving sleep mode. During this state, the GPS module is inactive and the device does not transmit scheduled tracking data; instead, it sends heartbeat packets at 60-minute intervals (with adjustable interval settings) to maintain connection with the platform. Upon detecting vibration, the device wakes up, resumes normal operation, continues reporting scheduled data at predetermined intervals, and transmits heartbeat packets as scheduled. 04 Under any circumstances, canceling sleep mode via SMS or a GPRS command will immediately exit the current mode and return the device to normal operation.
example	
SMS Message Content	0000,A73,2
Set SMS Response	353358017784062,A73,OK

3.22 Maximum duration for GPS to remain on during heartbeat wake-up – A83

SMS Setting Method	0000,A83,X
Set SMS Response	IMEI,A83,OK
explanatory note	X: Base-10 number, range 0–255, unit: minutes. The default is 0 minutes, meaning the heartbeat wake-up time occurs immediately upon waking and GPS is disabled.
example	
SMS Message Content	0000,A83,1
Set SMS Response	353358017784062,A83,OK After this setting is configured, GPS will be enabled during heartbeat wake-up. If positioning succeeds within one minute, the uploaded heartbeat wake-up event will have valid GPS data; if positioning fails within one minute, GPS data will be invalid.

3.23 Set the GPRS scheduled upload interval unit – A84

SMS Setting Method	0000,A84,X
Set SMS Response	IMEI,A84,OK
explanatory note	X: A decimal number ranging from 0 to 255, in seconds. The P99G defaults to 10 seconds
example	
SMS Message Content	0000,A84,1
Set SMS Response	353358017784062,A84,OK

3.24 Set Work Mode – A85

SMS Setting Method	0000,A85,X
Set SMS Response	IMEI,A85,OK
explanatory note	X: Base 10, range 0–3 X=0: GPS + base station positioning; X=1: WIFI + base station positioning; X=2: GPS + WIFI + base station positioning; X=3: Single-base station positioning
example	
SMS Message Content	0000,A85,1
Set SMS Response	353358017784062,A85,OK

3.25 Set Smart Mode – AA5

SMS Setting Method	0000,AA5,x
Set SMS Response	IMEI,AA5,OK
explanatory note	01 Base Ten System 02 x:0 Normal Mode 1: Smart Mode 03 No parameters required for reading Note: In Smart Mode, the P88L intelligently determines whether to continue operating or enter sleep mode based on user behavior without affecting movement tracking, to save power. Once Smart Work Mode is enabled, heartbeat packets and deep sleep functionality are disabled.
example	
SMS Message Content	0000,AA5,1
Set SMS Response	353358017784062,AA5,OK

3.26 Set scheduled search for WIFI-AA6

SMS Setting Method	0000,AA6,x
Set SMS Response	IMEI,AA6,OK
explanatory note	01 Base Ten System 02 x: Range 0–65535, unit s 03 No parameters required for reading
Applicable Model	P88L
example	

SMS Message Content	0000,AA6,10
Set SMS Response	353358017784062,AA6,OK

3.27 Set Audio Play Function-AA7

SMS Setting Method	0000,AA7,A1:B1,A2:B2,A3:B3
Set SMS Response	IMEI,AA7,OK
explanatory note	01 Represented in base-10 notation 02 A1, A2, A3: Represent high battery level (0), low battery level (1), and fall audio playback (2) respectively; values range from 0 to 2 B1, B2, B3: Switch settings 0: Off 1: On 03 No parameters required for reading
example	
SMS Message Content	0000,AA7,0:0,1:0,2:0
Set SMS Response	353358017784062,AA7,OK

3.28 Set Alarm-AA8

SMS Setting Method	000, AA8, Time Point 1,..., Time Point 24
Set SMS Response	IMEI,AA8,OK
explanatory note	01 Base Ten System 02 Time Point Format: A, B, C, D, E Alarm to set: 1–24 B Alarm Switch: 0 Off, 1 On C Week: 1234567, where each digit represents a day of the week. Set the corresponding value when needed Time format: 24-hour system, 0–23 E Score: 0–59 03 No parameters required for reading
example	
SMS Message Content	0000,AA8,1:1,1,1,0
Set SMS Response	353358017784062,AA8,OK

3.29 Set Bluetooth Function-AA9

SMS Setting Method	0000,AA9,mode,[shock,voice,buzzer_time,Disconnect_time]
Set SMS Response	IMEI,AA9,OK

explanatory note	Mode: Range 0–2 0: Normal Mode: No additional parameters required for Normal Mode 1: Lost Item Mode (requires app use). This mode can be configured with Shock or Voice. Shock parameter values: 0 – Off; 1 – On. Voice parameter values: 0 – Off; 1 – On. 2: Loss Prevention Mode (available via the app or built-in Bluetooth connection). This mode can be configured with settings including shock alert, voice notification, buzzer duration, and disconnection time. Shock parameter value: 0 – Off vibration; 1 – On vibration. Voice parameter value: 0 – Turn off sound; 1 – Turn on sound. buzzer_time Vibration buzzer duration: Range (0–4294967295 seconds); Disconnect_time: Time to determine disconnection; range (0–255 seconds). Note: Without parameters, it reads parameters; Format: A, B1:B2:B3, C1:C2:C3:C4:C5. A: Current configured mode; B1:B2:B3: Corresponding to Search Mode (Shock/Voice); C1:C2:C3:C4:C5: Corresponding to Lost Device Protection Mode (Shock/Voice); buzzer_time: Disconnect_time
example	
SMS Message Content	0000,AA9,0
Set SMS Response	353358017784062,AA9,OK

3.30 Prompt Settings-AAB

SMS Setting Method	0000,AAB ,A|B|C|D|E|F|G,A1|B1|C1|D1|E1|F1|G1
Set SMS Response	IMEI,AAB,OK
explanatory note	01 Use the decimal system 02 Group 1: A: Main vibration switch; B: Phone; C: SOS; D: Combination keys; E: Alarm clock; F: Fall detection; G: Other. This setting enables vibration functionality, adjustable to: 0: Off; 1: On 03 Group 2, A1: Main Sound Switch B1: Phone C1: SOS D1: Combination Key E1: Alarm F1: Fall Alert G1: Other. This setting configures sound functions: 0 – Off; 1 – On 04 Can be configured separately for vibration or sound, but each group requires parameters. To configure a second group separately, add ',' before it to separate them 05 Read without parameters
example	
SMS Message Content	0000,AAB,1|1|1|1|1|1|1,0|0|0|0|0|0|0
Set SMS Response	353358017784062,AAB,OK

3.31 Set Event Request Response Switch Function-AAE

SMS Setting Method	0000,AAE,x
Set SMS Response	IMEI,AAE,OK
explanatory note	X: 0 – Off; 1 – On; defaults to off. When enabled, this instruction ensures that the SOS event has been sent to the server.
example	
SMS Message Content	0000,AAE,0
Set SMS Response	353358017784062,AAE,OK

3.32 Call Mode Selection-AAF

SMS Setting Method	0000,AAF,x
Set SMS Response	IMEI, AAF,OK

explanatory note	01 Use the decimal system 02 x:0 Listening x:1 Two-way call (default) 03 No parameters required for reading
example	
SMS Message Content	0000,AAF,1
Set SMS Response	353358017784062,AAF,OK

3.33 Set Smart Mode GPRS Timed Tracking-AB0

SMS Setting Method	000, AB0, interval time
Set SMS Response	IMEI,AB0,OK
explanatory note	01 Represented in decimal Use only for the "interval" unit X seconds in Smart Mode. The minimum value is 1*X seconds, and the maximum value is 65535*X seconds; the default is 600 seconds. 02 Read without parameters
example	
SMS Message Content	0000,AB0,1
Set SMS Response	353358017784062,AB0,OK

3.34 Set up WIFI Hotspot Function-ABB

SMS Setting Method	0000,ABB,X,Y,Z
Set SMS Response	IMEI,ABB,OK
explanatory note	01 X:=0: Disables hotspot functionality; =1: Enables hotspot functionality; decimal character 02 Y: Represents the hotspot name in string format, up to 64 characters (no commas allowed) 03 Z: Represents a hotspot password in string format, with a maximum of 32 characters (no commas allowed) and a minimum of 8 characters. 04 Without parameters indicates reading.
example	
SMS Message Content	0000,ABB,1,asd,123
Set SMS Response	123456789123456,ABB,OK

3.35 Set MDVR Audio Format-AC0

SMS Setting Method	0000,AC0,X
Set SMS Response	IMEI, AC0, OK/Error Code
explanatory note	01 X: Represents an audio format, a decimal character 02 Range: 0–3 or 31 03X=0， representation G.711A X=1， representation G.711U X=2， representation G.726 X=3， representation AAC X=31 indicates audio off
example	
SMS Message Content	0000,AC0,1
Set SMS Response	123456789123456,AC0,OK

3.36 Set MDVR Audio Format-AC0

SMS Setting Method	0000,AC0,X
Set SMS Response	IMEI, AC0, OK/Error Code
explanatory note	01 X: Represents an audio format, a decimal character 02 Range: 0–3 or 31 03X=0， representation G.711A X=1， representation G.711U X=2， representation G.726 X=3， representation AAC X=31 indicates audio off
example	
SMS Message Content	0000,AC0,1
Set SMS Response	123456789123456,AC0,OK

3.37 Continuous photo capture, saving, and uploading to FTP-ACA

SMS Setting Method	ACA, Channel Number Combination, FTP Username, Password, Host, Port, FTP Path, (Number, Interval (ms))
Set SMS Response	IMEI, ACA, OK/Error Code
explanatory note	Continuous photo capture, saving, and uploading to FTP ACA, Channel Number Combination, FTP Username, Password, Host, Port, FTP Path, (Number, Interval (ms)) Required Parameters Channel identifier is a 4-byte combination, where each bit represents a corresponding channel; 0 indicates all channels FTP username = the username for the FTP service password=The password for the FTP server Domain name of the host FTP server Port of the FTP server ftp_path = FTP server folder path Non-essential parameter; leave blank to take only one photo number = Number of consecutive photos taken Interval = Continuous shooting interval (in milliseconds)
example	
SMS Message Content	0000,ACA,0,XXX,123456,67.203.15.243,9876,,
Set SMS Response	123456789123456,ACA,OK

3.38 Over-speed Control OUT1-ACB

SMS Setting Method	ACB,X
Set SMS Response	IMEI, ACB, OK/Error Code
explanatory note	01.10 decimal string 02. X: 1 enables overspeed control; 0 turns it off during overspeed recovery
example	
SMS Message Content	0000,ACB,1
Set SMS Response	123456789123456,ACB,OK

3.39 Enable Bluetooth slave mode temporarily-AD9

SMS Setting Method	AD9,X
Set SMS Response	IMEI, AD9, OK/Error Code
explanatory note	01 TIME: Time to enable Bluetooth slave mode, unit: minutes, range: 1–10

example	
SMS Message Content	0000,AD9,1
Set SMS Response	123456789123456,AD9,OK

3.40 Power Output Switch-AE5

SMS Setting Method	AE5,A,B
Set SMS Response	IMEI, AE5, OK/Error Code
explanatory note	01 A: Output 5V; =0: Prohibited; =1: Allowed 02 B: Output 12 V; =0: Prohibited; =1: Allowed 03 Reading without parameters
example	
SMS Message Content	0000,AE5,1,1
Set SMS Response	123456789123456,AE5,OK

3.41 Set Electronic Fence – B05

SMS Setting Method	000, B05, Fencing number, Latitude, Longitude, Radius, Alarm upon entry into the fence, Alarm upon exit from the fence
Set SMS Response	IMEI,B05,OK
explanatory note	Fence Number: Numbers 1 through 8. You can set up up to 8 electronic fences. Latitude: The latitude of the electronic fence's center point, expressed in a decimal degree format with six digits after the decimal point. Fill in zeros if insufficient; otherwise, the command will not be accepted. Longitude: The longitude of the electronic fence center point, expressed in a decimal format with 10-based degrees. Precision to six decimal places; fill in zeros if insufficient, otherwise the command will not be accepted. Radius: Value ranges from [1, 4294967295] meters. Draw a circle with this radius centered at the specified latitude and longitude coordinates. Set fence alarm to 0 to disable the fence alarm function; Fence entry alarm = 1: Enable the fence entry alarm function. Fence exit alarm = 0: Disactivate the fence exit alarm function. Fence alarm = 1: The fence alarm function is enabled.
example	
SMS Message Content	0000,B05,1,22.913191,114.079882,1000,0,1
Set SMS Response	353358017784062,B05,OK *When the device leaves the designated electronic fence (center coordinates: latitude 22.913191, longitude 114.079882; radius: 1000)* When the threshold is exceeded, a fence alarm SMS will be sent to the server to the preset authorized number. *ExitGEO,072118* *16:40,V,12,56Km/h,97%,http://maps.meigps.com/?lat=22.513015&lng=114.057235*

3.42 Delete Electronic Fence – B06

SMS Setting Method	000, B06, Fencing Number
Set SMS Response	IMEI,B06,OK
explanatory note	Fence Number: Numbers 1 through 8 or any number. Only one electronic fence can be deleted at a time via SMS/GPRS command.
Applicable Model	All Models
example	
SMS Message Content	0000,B06,1
Set SMS Response	353358017784062,B06,OK

3.43 Set Speed Exceedance Alarm – B07

SMS Setting Method	000, B07, Alarm Speed
Set SMS Response	IMEI,B07,OK
explanatory note	Alarm speed = 0, disable the speeding alarm function (default value) Alarm speed: A value ranging from [1, 255] that triggers an overspeed alert when the vehicle's speed reaches the preset threshold.
example	
SMS Message Content	0000,B07,60
Set SMS Response	353358017784062,B07,OK After successfully sending the SMS command, the device will send an overspeed alert SMS to the preset authorized number when the vehicle speed reaches 60 km/h. *Speeding,072118* *16:40,V,12,61Km/h,97%,http://maps.meigps.com/?lat=22.513015&lng=114.057235*

3.44 Set Trailer Alarm – B08

SMS Setting Method	000, B08, Continuous Vibration Time
Set SMS Response	IMEI,B08,OK
explanatory note	During deep sleep mode, if the device vibrates more than the preset threshold, an alarm will be sent to the authorized number or server. Trailer To activate the alarm, first set the smart sleep level to 2 using command A73 and specify the "continuous vibration duration" value with command B08; otherwise, the trailer alarm will not function. Continuous vibration duration = 0, disable the trailer alarm function (default); Continuous vibration duration = [1, 255], sets the wait time for continuous vibration alerts in
Applicable Model	All models (except P88L, which does not support it)
example	
SMS Message Content	0000,B08,3
Set SMS Response	353358017784062,B08,OK After successfully sending the above GPRS command, if the device vibrates continuously for more than 3 seconds, it will send a trailer alarm SMS to the preset authorized number. *Tow,072118* *16:40,V,12,56Km/h,97%,http://maps.meigps.com/?lat=22.513015&lng=114.057235*

3.45 Set the vibration sensor sensitivity – B09

SMS Setting Method	000, B09, Sensitivity
Set SMS Response	IMEI,B09,OK
explanatory note	Vibration sensitivity is used to detect stationary movement, vibration-induced wake-up, and trailer alarm triggering functions. Sensitivity ranges from 1 to 65535 and cannot be 0; lower values indicate higher sensitivity. The default is 1. Note: Sets the sensitivity for deep sleep and vibration wake-up.
example	
SMS Message Content	0000,B09,1
Set SMS Response	353358017784062,B09,OK

3.46 Quickly Set Towing Alarm – B10

SMS Setting Method	000, B10: Duration of continuous vibration; Time to enter power-saving mode
Set SMS Response	IMEI,B10,OK
explanatory note	Continuous vibration duration = 0. Disabling trailer alarm function (default) Continuous vibration duration = {1, 255}: Sets the wait time for continuous vibration alerts, in seconds. Deep sleep mode activation time = Not set; defaults to 2 minutes, enabling deep sleep mode. Deep sleep mode activation time = 0: Disables deep sleep mode. Enter deep sleep mode at {1, 255} to activate power-saving functionality. The device will enter deep sleep mode when idle for more than the preset duration, measured in minutes.
example	
SMS Message Content	0000,B10,10,5
Set SMS Response	353358017784062,B10,OK

3.47 Set Polygonal Electronic Fence – B11

SMS Setting Method	000, B11, fence number, Latitude 1, Longitude 1, Latitude 2,Longitude 2... Latitude N,Longitude N, Entry alarm, Exit alarm
Set SMS Response	IMEI,B11,OK
explanatory note	Fence number: Range 1–8 (maximum varies by customization) Latitude: 6 decimal places, e.g., 22.512517 or-22.512517 Longitude: 6 decimal places, e.g., 114.057200 or-114.057200 Enter alarm: Range 0–1. 0: No alarm when entering the fence; 1: Alarm when entering the fence. Exit alarm: Range 0–1. 0: No alarm when exiting the fence; 1: Alarm when exiting the fence. If only the fence number is provided, delete the corresponding fence.
example	
SMS Message Content	0000,B11,1,22.526922,114.052695,22.526946,114.056232,22.523720,114.053521,1,1
Set SMS Response	353358017784062,B11,OK

3.48 Set parking without turning off engine parameter – B14

SMS Setting Method	000, B14, Speed duration (seconds), Speed (km/h)
Set SMS Response	IMEI,B14,OK
explanatory note	This function detects whether the driver stops the vehicle without turning off the engine and triggers an alarm. It requires the device to be connected to the ACC system; otherwise, this feature does not work. Duration of speed: Range 0–60,000 seconds Speed: Range 0–200 km/h (generally recommended at 5 km/h) When the ACC is detected as ON with speed below the set range and the detection duration exceeding the set limit, the device will trigger a parking stall alarm. Read parameter values without specifying parameters. Note: Static drift may affect trigger conditions, so set the speed to 5–10 km/h and maintain it for at least 60 seconds.
example	
SMS Message Content	0000,B14,60,5
Set SMS Response	353358017784062,B14,OK

3.49 Set Fatigue Driving Parameters – B15

SMS Setting Method	000, B15, Continuous driving time (minutes), Reserved value, Rest time (minutes), Associated
Set SMS Response	IMEI,B15,OK
explanatory note	Used to detect driver fatigue while driving. Continuous driving time: Range 0–1000 minutes. Exceeding this limit triggers fatigue detection conditions. Reserve value: Not empty yet; reserved for future expansion. Rest Time: Range 0–1000 minutes. The driver must rest for the specified duration, as detected by the device. The ACC OFF or no speed value is required for the device to disable the fatigue driving alert. Association speed: Range 0–1. 0 indicates the driving state is related only to ACC; 1 indicates it is related to both ACC and speed. Each parameter can be set individually with a comma required. For example, set Association speed: B15,,,, 1; Set driving time only: B15,300 Without parameters, it reads the parameter values.
example	
SMS Message Content	0000,B15,120,,20,1
Set SMS Response	353358017784062,B15,OK

3.50 Set Over-speed Alarm Detection Duration – B16

SMS Setting Method	0000,B16,T1,T2
Set SMS Response	IMEI,B16,OK
explanatory note	T1: Speed exceedance detection time (range: 1–30,000 seconds) T2: Speed recovery detection time (may be omitted in some customizations; range: 1–30,000 seconds) Default value: Read
example	
SMS Message Content	0000,B16,10,10
Set SMS Response	353358017784062,B16,OK

3.51 Set vibration sensor sensitivity – B20

SMS Setting Method	000, B20, Sensitivity
Set SMS Response	IMEI,B20,OK
explanatory note	Sensitivity ranges from 1 to 65535 and cannot be 0. A smaller value indicates higher sensitivity (default: 5)
example	
SMS Message Content	0000,B20,5
Set SMS Response	353358017784062,B20,OK

3.52 Set Security Status – B21

SMS Setting Method	0000，B21， state
Set SMS Response	IMEI,B21,OK

explanatory note	State=1: Sets anti-theft/security protection; defaults to 1. State=0: Enable anti-theft protection / Disengage protection remarks： 1. The vehicle theft event can only occur after the security deployment status is set. 2. When the ACC On state is selected, instruction protection will be activated and the stop-and-go function will be enabled; 3. The intrusion alarm function and other event functions (such as input trigger or trailer detection) operate independently; enabling or disabling the alarm does not affect the functionality of other events.
example	
SMS Message Content	0000,B21,1
Set SMS Response	353358017784062,B21,OK

3.53 Range and Speed Correction – B22

SMS Setting Method	0000,B22,X
Set SMS Response	IMEI, B22, <K>/<OK>/<Error Code>
explanatory note	01 Speed ratio K: Measures K pulses per 1 km travel distance. 02 X is a decimal character; X=0: Use GPS speed (default: 0). When X = n (where X ≠ 0) and the speed ratio is K (K ≥ 3), both the odometer and speedometer use pulse signals for calculation. X = empty; read the speed ratio K. 03 X=1; automatically uses GPS speed correction for rotational speed ratio K; System K Algorithm: Based on the speed and pulse count per second, calculate the unit pulse distance. Subtract this value from both the sum of the ten largest unit pulse distances and the sum of the ten smallest unit pulse distances; if both results are less than the reference value (3% of these ten values), the condition is met. If ten consecutive conditions are satisfied, calculate the average of these ten unit pulse distances to obtain the rotational speed ratio K. Upon receiving the calibration command <B22,1>, the terminal emits a long buzzer sound to indicate entry into calibration mode. If successful, two buzzer sounds are triggered; the calibration duration is unlimited. It is calculated only once and does not recur until switching from another state to automatic correction or when the K value is 0. During the speed ratio K calibration process, it is recommended to maintain a vehicle speed of at least 50 km/h and travel at a constant speed, as this facilitates more accurate calculation of the speed ratio K with minimal error. The system will return the K-value of the speed ratio upon successful calibration. 04 When X=2, use the SOS key to manually adjust the speed ratio K on-site; The automatically calibrated RPM ratio K using GPS speed data is inaccurate; it can be corrected again by executing the <B22,2> command. When parking immediately after the vehicle odometer changes, upon receiving the calibration command <B22,2>, the terminal will sound a long buzzer to indicate that calibration has begun, with the green light remaining illuminated. Continue driving (at any speed) until reaching exactly 1 kilometer, then stop and press SOS for 2 seconds; two horn blasts will confirm successful calibration of the RPM ratio K. If calibration fails within 10 minutes, the system will automatically exit calibration mode without adjustment. Also, turn off the lamp and restore the rotational speed ratio to its K-value. 05 X>=3; <B22, set a fixed speed ratio K in the range 3 <= K <= 65535 The rotation ratio K defaults to 0. The automatically calculated speed ratio K can be manually adjusted if there is a discrepancy between the vehicle's actual journey distance and the target distance after traveling a certain distance. Calculation method for speed ratio K correction: If a vehicle travels a distance L1 with a set speed ratio K value of K1, and the final calculated distance is L2, then the corrected speed ratio K = (L2/L1) × K1. Note: Due to potential errors in vehicle mileage and the approximate nature of calculations, the actual mileage must exceed the value calculated for 100 km to ensure accuracy. This

	method is not recommended; instead, use the vehicle's odometer speed ratio or fine-tune the K ratio by adding or subtracting a few values from the default K ratio to verify the accuracy of both the odometer and speedometer readings. All successful configurations receive a confirmation message. Note: Due to time constraints for processing, this response may take some time.
example	
SMS Message Content	0000,B22,1
Set SMS Response	353358017784062,B22,OK

3.54 Reboot Device – B25

SMS Setting Method	0000,B25,X
Set SMS Response	B25,OK
explanatory note	01 Maintain an external power connection during device restart 02 X: Set the watchdog time in minutes (range 1–65535). If no value is specified, restart immediately
example	
SMS Message Content	0000,B25,5
Set SMS Response	353358017784062,B25,OK

3.55 Set input port filtering time – B26

SMS Setting Method	0000,B26,1:T1,2:T2,3:T3
Set SMS Response	IMEI,B26,OK
explanatory note	n:Tn N=1 represents INPUT1; T1 is the buffer time (range: 0–65535, unit: 10 ms), with a default value of 0. It determines the trigger detection timing for ACC, door, or other switches to prevent excessive false alarms. Can be configured for multiple or a single input port. Without parameters, it reads the input port filtering time.
example	
SMS Message Content	0000,B26,1:1
Set SMS Response	353358017784062,B26,OK

3.56 Set Automatic Defense – B27

SMS Setting Method	0000,B27,X
Set SMS Response	IMEI,B27,OK
explanatory note	x=1 enables automatic deployment; x=0 disables it. When the automatic defense function is enabled, it will activate automatically when the device enters sleep mode. Defense can be canceled using commands or a remote control.
example	
SMS Message Content	0000,B27,10
Set SMS Response	353358017784062,B27,OK

3.57 Set Input Port Filter Time – B2A

SMS Setting Method	B2A,1:T1:T2,2:T1:T2,.....N:T1:T2
Set SMS Response	IMEI,B2A,OK
explanatory note	1 N: Input IO port; if Input 1 is configured, then N = 1 2. T1 is the trigger filtering time; T2 is the release filtering time, ranging from 0 to 65536 with a unit of 10 ms. 3 Multiple or a single input port can be configured
example	
SMS Message Content	0000,B2A,1:1
Set SMS Response	353358017784062,B2A,OK

3.58 Set scheduled photo capture interval – B30

SMS Setting Method	B30,T
Set SMS Response	IMEI,B30,OK
explanatory note	01: The T value ranges from 0 to 65535 minutes; a value of 0 indicates no scheduled photography 02: Without parameters, it reads parameter 4; without parameters, it reads the input port filtering time
example	
SMS Message Content	0000,B30,1
Set SMS Response	353358017784062,B30,OK

3.59 Turn off the LED indicator – B31

SMS Setting Method	0000,B31,A
Set SMS Response	IMEI,B31,OK
explanatory note	A=00: Turns on the LED indicator during terminal operation (default value) to display the device's status. A=10: Turn off the LED indicator during terminal operation.
example	
SMS Message Content	0000,B31,10
Set SMS Response	353358017784062,B31,OK

3.60 Set GPS module to sleep mode – B32

SMS Setting Method	000, B32, Hibernation Mode
Set SMS Response	IMEI,B32,OK
explanatory note	When the Sleep Mode setting is set to 0, this feature is disabled When the "Sleep Mode" is set to 1, the GPS module operates for 3 minutes and then turns off for 1 minute, repeating this cycle. When the "Sleep Mode" is set to 2, the GPS module operates for 1 minute and then turns off for 2 minutes, repeating this cycle. Similar to A73; refer to its description.
example	
SMS Message Content	0000,B32,1
Set SMS Response	353358017784062,B32,OK

3.61 Set Power Saving Mode for the Whole Device – B33

SMS Setting Method	000, B33, Non-activation wait time
Set SMS Response	IMEI,B33,OK
explanatory note	When the "Active Wait Time" is set to minutes (up to 255 minutes), a value of 0 turns it off Similar to A73; refer to its description.
example	
SMS Message Content	0000,B33,6
Set SMS Response	353358017784062,B33,OK

3.62 Set SMS Time Zone – B35

SMS Setting Method	000, B35, Number of minutes in the SMS time zone
Set SMS Response	B35,OK
explanatory note	The terminal's default time zone is GMT+8. This command changes the SMS report time zone to the local time zone. SMS Report Independent of the time zone of the GPRS packet. Minutes = 0, GMT+0 time zone; Minutes = [-720,780], set for different time zones.
example	
SMS Message Content	0000,B35,480
Set SMS Response	353358017784062,B35,OK

3.63 Set GPRS Time Zone – B36

SMS Setting Method	000, B36, Number of minutes in the GPRS data packet time zone
Set SMS Response	IMEI,B36,OK
explanatory note	GPRS packet time zone minutes = 0, GMT+0 (default time zone); the MS03 platform software automatically identifies the user In the specified time zone, there is no need to change the GPRS time zone. Keep the device's default GPRS time zone set to 0. Changing it may cause data delays or shortages. GPRS packet time zone minutes = [-720,780]; set different time zones. If using a non-MEITRACK official platform and the system cannot automatically identify the time zone, users can configure the GPRS time zone as needed.
example	
SMS Message Content	0000,B36,480
Set SMS Response	353358017784062,B36,OK

3.64 Set whether the external power supply automatically enters sleep mode when low– B37

SMS Setting Method	0000,B37,X
Set SMS Response	IMEI,B37,OK
explanatory note	When the device detects that the external power supply is below the set value (see Instruction B38), does it automatically enter deep mode? Hibernation Mode. X takes values 0 or 1; 0 turns off automatic hibernation. The default is 1.

example	
SMS Message Content	0000,B37,1
Set SMS Response	353358017784062,B37,OK

3.65 Set automatic sleep voltage value – B38

SMS Setting Method	0000,B38,X
Set SMS Response	IMEI,B38,OK
explanatory note	The X value ranges from 0 to 2400. Setting it to 0 uses the automatic voltage level for calculation, where the voltage value is X/10 (V). Without parameters, it reads
example	
SMS Message Content	0000,B38,1180
Set SMS Response	353358017784062,B38,OK

3.66 Set Audio Language – B57

SMS Setting Method	000, B57, Audio format (Language)
Set SMS Response	IMEI,B57,OK
explanatory note	B57,A,B A 0:disable 1:MP3 B Set the audio language package: empty indicates no language preference; en means English, cn means Chinese, th (Thai), and jp means Japanese Note: Pre-installing MDVR requires built-in voice packs for multiple languages.
example	
SMS Message Content	0000,B57,1,en
Set SMS Response	353358017784062,B57,OK

3.67 Mobile and Stationary Priority Detection Engine – B60

SMS Setting Method	0000,B60,X
Set SMS Response	IMEI,B60,OK
explanatory note	X=1 indicates that the vehicle is either moving or stationary, determined solely by the engine's ACC status; ACC ON indicates movement, while ACC OFF indicates stationary state. To remain stationary; X=0 indicates that the vehicle is moving or stationary, and determines the hybrid mode based on a combination of engine ACC, 3D Sensor data, CAR RPM, and GPS SPEED (default). When the terminal detects that the engine has been turned off, it will not update latitude and longitude to prevent static drift. Note: The vehicle terminal automatically triggers default engine detection as soon as activated.
example	
SMS Message Content	0000,B60,1
Set SMS Response	353358017784062,B60,OK

3.68 Setting of Vehicle Ignition Detection Method – B62

SMS Setting Method	0000,B62,X
Set SMS Response	IMEI,B62,OK
explanatory note	X is a decimal character (default: 0) X=0: Use voltage mutation filtering method; For X=1, use a filtering method with gradually varying voltage while employing vibration as the detection condition. Note: When using the X=1 detection method, the initial power-on ignition event cannot be detected. The method only becomes effective after normal operation for a period of time (at least 10 minutes).
example	
SMS Message Content	0000,B62,1
Set SMS Response	353358017784062,B62,OK

3.69 Set FTP Parameters – B64

SMS Setting Method	0000,B64,H,username,password,host,port,path
Set SMS Response	IMEI, B64, OK/<Error Code>
explanatory note	01 H: 0 turns FTP off, 1 enables FTP upload, 2 clears existing parameters 02 Username: Maximum 50 bytes 03 Password: Maximum 50 bytes for user password 04 Hostname: Maximum 50 bytes 05 Hostport: Maximum 5-byte port number 06 Path: Domain name with a maximum length of 100 bytes 07 If this parameter is not changed, the comma must be retained 08 Without parameters, it reads
example	
SMS Message Content	0000,B64,1,test,test,quectel.3322.org,10001,/meitrack/cxc/mp3_file/
Set SMS Response	353358017784062,B64,OK

3.70 Set Video Upload Format – B6B

SMS Setting Method	0000,B6B,X
Set SMS Response	IMEI, B6B, OK/<Error Code>
explanatory note	X=0 indicates the avmsg format X=1 indicates the MP4 format Other Reserves Read current parameters without arguments
example	
SMS Message Content	0000,B6B,0
Set SMS Response	353358017784062,B6B,OK

3.71 Event Authorization Settings – B99

SMS Setting Method	000, B99, <SMS>/<Number><Authorisation Number>, <Operation Code>, [Event Code 1]...[Event Code n] 000, B99, <CALL>/<Call Number>, <Number Position>/<Authorization Number>, <Operation Code>, [Event Code 1]...[Event Code n]

	000, B99, <GPRS>/<2>, <Operation Code>, [Event Code 1]...[Event Code n] 000, B99, <CAMERA>/<3>, <Operation Code>, [Event Code 1]...[Event Code n] 000, B99, <BUZZER>/<4>, <Operation Code>, [Event Code 1]...[Event Code n].
Set SMS Response	IMEI, B99, <SMS>/<0>, <Number Location>, <Authorization Number>, [Event Code 1 Set...] [Event Code Set] n] IMEI, B99, <CALL>/<1>, <Number Position>, <Authorized Number>, [Event Code 1 Set],... [Event Code n Set] IMEI, B99, <GPRS>/<2>, [Event Code 1 configured]... [Event Code n configured] IMEI, B99, <CAMERA>/<3>, [Event Code 1 configured]... [Event Code n configured] IMEI, B99, <BUZZER>/<4>, [Event Code 1 configured]... [Event Code n configured]
explanatory note	01 In the parameters, fields "SMS", "CALL", "GPRS", "CAMERA", "BUZZER", "IRI", "OUT1", and "OUT2" can be represented using decimal digits 0, 1, 2, 3, 4, or 14. "GET", "SET", "ADD", and "DEL" can be represented using decimal digits 0, 1, 2, or 3. These field characters are case-insensitive. 02 Operation Code: Refer to the instructions in the rules Number Location: Where the phone number is stored (1–8) Authorization Number: Phone number. 03 When configuring SMS and CALL event code parameters, if using an authorization number as the event index, you must set the "Authorization Number" via A71 or the parameter configuration tool before performing operations with B99. The terminal compares the authorization number sent by B99 against its stored numbers (excluding prefixes such as +86); if matched, the event code is processed according to the new setting; otherwise, the operation fails and an error is reported based on the parameters. 04 When reading the corresponding parameter with B99, there is no need to add the [event code] parameter later. Note: When performing a SET operation (or using the corresponding digit 1) with B99, first clear all existing event codes and then set the event code for this operation; omitting the event code parameter effectively clears all event codes. 05 If B99 operation fails due to parameter errors or other factors, return the corresponding result based on the Meitrack error code; if any event code set is not supported by the terminal, the terminal will not proceed with configuration and will only return the configured event codes. 06 If the reply from B99 contains a configured event code that is too long, it will be split into multiple responses; the codes will be stored according to the new settings. Otherwise, the operation fails and is treated as a parameter error.
example	
SMS Message Content	0000,B99,gprs,get
Set SMS Response	353358017784062, B99,1,17,18

3.72 Set MDVR Speaker Volume Level – BB8

SMS Setting Method	0000,BB8,X
Set SMS Response	IMEI, BB8, OK/<Error Code>
explanatory note	01 N ranges from 0 to 100. (Higher values mean louder volume.) 02 Without parameters, it reads.
example	
SMS Message Content	0000,BB8,100
Set SMS Response	353358017784062,BB8,OK

3.73 Set Emergency Increase/Decrease Parameters – BBD

SMS Setting Method	0000,BBD,X1,Y1,Z1,X2,Y2,Z2
Set SMS Response	IMEI, BBD, OK/<Error Code>
explanatory note	01 X1 is the initial speed for rapid acceleration, in km/h, with a maximum of 480 Y1 is the acceleration during rapid acceleration, measured in km/h/s, with values ranging from 0 to 1000. Z1 is the duration of the judgment, measured in seconds, with values ranging from 1 to 255

	X2 is the initial speed for rapid deceleration, measured in km/h, with a maximum value of 480. Y2 is the acceleration during rapid deceleration, measured in km/h/sec, with values ranging from-1000 to 0. Z2 is the duration of the judgment, measured in seconds, with values ranging from 1 to 255 02 Read without parameters
example	
SMS Message Content	0000,BC6,90,10,60
Set SMS Response	353358017784062,BC6,OK

3.74 Set extreme left and right turns – BC6

SMS Setting Method	BC6,A,B,C
Set SMS Response	BC6,OK
explanatory note	A: Angle value range 0–359 B: Duration Range 2–100 Units: seconds C: Speed Range 0–255 *When the command has no parameters, it reads the current settings
example	
SMS Message Content	0000,BC6,90,10,60
Set SMS Response	353358017784062,BC6,OK

3.75 Set Super Deep Sleep to activate when battery level is low – BC7

SMS Setting Method	0000, BC7， A
Set SMS Response	IMEI, BC7,OK
explanatory note	Decimal represents the A range from 1 to 100 percent *No parameters indicate reading Note: When the battery level falls below the set value, the device will enter deep sleep mode automatically.
example	
SMS Message Content	0000,BC7,5
Set SMS Response	353358017784062,BC7,OK

3.76 Control power-on/off state after charging – BC8

SMS Setting Method	0000,BC8,X
Set SMS Response	IMEI,BC8,OK
explanatory note	X: Set to 0; charging will activate the device. X: Set to 1; the device will shut down upon charging. X: Set to 2; charging does not change the power-on/off state. This feature can be set via command to enable default charging upon startup. Enable the power-on/off function. Press the auxiliary key once each time when connecting for MM configuration.
example	
SMS Message Content	0000,BC8,1

Set SMS Response	353358017784062,BC8,OK

3.77 Call Mode – BC9

SMS Setting Method	0000,BC9,A,B
Set SMS Response	IMEI,BC9,A,B
explanatory note	A and B are decimal characters A: 0 Normal mode; 1 Loop calling mode *B: 0. For example, after triggering SOS, dial the authorized number and repeat the call until the last number is not answered; then start over from the beginning 1. For example, after triggering SOS, dial the authorized number and repeat the call until the last number remains unanswered; then send "Emergency, please call back soon!!!" to all authorized numbers and switch to automatic answering mode.
example	
SMS Message Content	0000,BC9,1,1
Set SMS Response	IMEI,BC9,OK

3.78 Set video playback duration – BCA

SMS Setting Method	0000,BCA,M
Set SMS Response	IMEI,BCA,M
explanatory note	1. M: Working hours, range 0–65535, unit: minutes 2. Upon receiving the command, the device starts timing. During this period, it must remain powered on even when ACC is OFF. Upon completion of timing, the device will shut down or stay powered on depending on its current status. 3. This parameter is not saved after the MCU shuts down.
example	
SMS Message Content	0000,BCA,30
Set SMS Response	IMEI,BCA,OK

3.79 Set RTK-Ntrip Parameters – BDC

SMS Setting Method	0000,BDC,EN,T,IP,PORT,USER,PASSWD,MP
Set SMS Response	IMEI,BDC,OK
explanatory note	EN: Enable this feature? 0: No 1: Yes T: GGA data transmission interval in seconds, range 0–65535 IP: An IP address or domain name, up to 32 bytes PORT： port USER: User name, up to 64 bytes PASSWD: Password, up to 32 bytes MP: Mount point, up to 64 bytes. Readable without parameters
example	
SMS Message Content	0000,BDC,1,1,rtk.ntrip.qxwz.com,8001,MEITRAKC,123456,auto
Set SMS Response	IMEI,BDC,OK

3.80 Disable Static Drift Filtering – BE4

SMS Setting Method	0000,BE4,1

Set SMS Response	IMEI,BE4,OK
explanatory note	01 A: 0: Turn off static drift filtering in stationary mode 1: Turn on static drift filtering in stationary mode 02 Without parameters, reads the current settings
example	
SMS Message Content	0000,BE4,1
Set SMS Response	IMEI,BE4,OK

3.81 Set SMS Link – BFE

SMS Setting Method	0000,BFE,A
Set SMS Response	IMEI,BFE,OK
explanatory note	A: 0 enables SMS links 1 disables SMS links (default: enable links in SMS)
example	
SMS Message Content	0000,BFE,1
Set SMS Response	IMEI,BFE,OK

3.82 Output Control – C01

SMS Setting Method	000, C01, Speed value, ABCDE
Set SMS Response	IMEI,C01,OK
explanatory note	Speed value = 0: no speed limit; the command takes effect immediately upon receipt by the terminal. Speed value = Range value [1, 255] in kilometers per hour, sets the speed limit for output control. Output control activates only when the driving speed is below this value. A=0: Close the output port (Output Port 1) – allow leakage A=1: Open the control port (output port 1) – ground impedance is 0. A=2: Maintain the previous state. B=0: Close the output port (Output Port 2) – allow leakage B=1: Open the control port (output port 2) – ground impedance is 0. B=2: Maintain the previous state. C=0: Close the output port (Output Port 3) – Open drain C=1: Open the control port (output port 3) – ground impedance is 0. C=2: Maintain the previous state. D=0: Close the output port (Output Port 4) – Open drain D=1: Open the control port (output port 4) – ground impedance is 0. D=2: Maintain the previous state. E=0: Close the output port (Output Port 5) – Open drain E=1: Open the control port (output port 5) – ground impedance is 0. E=2: Maintain the previous state.
example	
SMS Message Content	0000,C01,20,12221

Set SMS Response	353358017784062,C01,OK

3.83 GPRS platform control device sends SMS – C02

SMS Setting Method	000, C02, X, Phone number, Content
Set SMS Response	IMEI,C02,OK
explanatory note	For the platform control terminal to send SMS to mobile phones X = 0, encoded in TEXT format; X = 1, using Unicode encoding. Phone number: up to 16 digits Content: Up to 140 characters After receiving this message, the terminal sends the "content" message to the specified number.
example	
SMS Message Content	0000,C02,0,15360853789,Meitrack
Set SMS Response	353358017784062,C02,OK

3.84 Set GPRS Event Reliable Transmission Mode – C03

SMS Setting Method	0000,C03,X
Set SMS Response	IMEI,C03,OK
explanatory note	X = 0, Automatic Event Reporting (Default) When X = 1, event reporting requires the server to confirm and delete the event using an AFF command before transmitting subsequent events (GPRS usage). Select this option when using UDP mode.
example	
SMS Message Content	0000,C03,0
Set SMS Response	353358017784062,C03,OK

3.85 Set Input Port Input Mode – C07

SMS Setting Method	0000,C07,IN1:M1,IN2:M2 … INn:Mn
Set SMS Response	IMEI,C07,IN1:C1,IN2:C2 … INn:Cn
explanatory note	n: Input port number, with values varying by model (1–n) Mn: Specific parameters for the input port mode are as follows: 0: Low Trigger 2: AD Input 0: Low Trigger 2: AD Input 1: High Trigger 3: Remote Signal Input Cn: Current input port parameter (same as Mn). Multiple or a single input port can be configured; no parameter specifies reading mode 1: High Trigger 3: Remote Signal Input Cn: Current input port parameter (same as Mn). Multiple or a single input port can be configured; no parameter specifies reading mode
example	
SMS Message Content	0000,C07,IN1:1
Set SMS Response	353358017784062,C07,IN1:1,IN2:0,IN3:1

3.86 Set IO Port Mode – C08

SMS Setting Method	0000,C08,IO0:Mn,IO1:Mn,IO2:Mn,IO3:Mn,IO4:Mn

Set SMS Response	IMEI,C08,IO0:Mn,IO1:Mn,IO2:Mn,IO3:Mn,IO4:Mn
explanatory note	01 n: IO port number, with values varying by model (0–(n–1)) 02 Mn: The specific parameters for the IO port mode are as follows: 0: Low Trigger 4: Open Drain Output 8: Single Bus 0: Low Trigger 4: Open Drain Output 8: Single Bus0: Low Trigger 4: Open Drain Output 8: Single Bus 1: High Trigger; 5: Low Output; 14: CAN Function 1: High Trigger; 5: Low Output; 14: CAN Function 1: High Trigger; 5: Low Output; 14: CAN Function 2: AD Input 6: PWM Output 15: Speedometer Function 2: AD Input 6: PWM Output 15: Speedometer Function 2: AD Input 6: PWM Output 15: Speedometer Function 3: Remote control signal input 7: Beecher output 3: Remote control signal input 7: Beecher output 03 Cn: Current IO port parameter, identical to Mn description 04 You can configure multiple or a single IO port simultaneously; without parameters, it
example	
SMS Message Content	0000,C08,IO0:5
Set SMS Response	353358017784062,C08,IO0:5,IO1:0,IO2:2,IO3:2,IO4:1

3.87 Read real-time temperature value – C45

SMS Setting Method	0000,C45
Set SMS Response	IMEI, C45, (SN1, temperature value 1) (SN2, temperature value 2)... (SNn, temperature value n)
explanatory note	n: The maximum value depends on the device model and the number of sensors; SN: Unique serial number of the temperature sensor, fixed as a 16-digit hexadecimal value representing the temperature; the temperature value is represented by a 10-digit decimal value in Celsius

3.88 Set oil quantity-related parameters – C47

SMS Setting Method	000, C47, Sensor type, Upper limit alarm percentage, Lower limit alarm percentage
Set SMS Response	IMEI,C47,ok
explanatory note	[redacted] 2 represents the R-type oil level sensor (AD2), and 3 represents the V-type oil level sensor (AD2). 02 Upper limit alarm percentage: When set to 0, the alarm is disabled; when set to a non-zero value, the corresponding GPRS and SMS event flags are activated automatically. The alarm triggers when the fuel percentage reaches or exceeds this threshold, with alarm code 52; 03 Lower limit alarm percentage: When set to 0, the alarm is disabled; when set to a non-zero value, the alarm triggers when the fuel percentage falls below or equals this threshold, with corresponding GPRS and SMS event flags activated automatically, alarm code 53; 04 If you want to modify only one parameter, leave other parameters blank but retain the corresponding separator ','; if sending only C47, initialize all parameters to 0; all parameters are represented using decimal characters. *Note: When a fuel level sensor is configured, use the fuel percentage from Protocol Version 1 to upload the remaining fuel percentage data.

3.89 Read oil quantity-related parameters – C48

SMS Setting Method	0000, C48
Set SMS Response	IMEI, C48, Sensor Type, Upper Alarm Percentage, Lower Alarm Percentage
explanatory note	The returned parameter format matches the C47 settings, with all values represented in decimal

3.90 Set Oil Theft Alarm – C49

SMS Setting Method	000, C49: Oil theft alarm detection time; percentage reduction in oil level
Set SMS Response	IMEI,C49,OK
explanatory note	Oil theft alarm detection time: measured in minutes. Default value is 3, range 0–255; 0 turns off the alarm Oil level reduction percentage: Default value is 2. Range: 0–100; set to 0 cancels the alarm. This command specifies the percentage of oil level decrease during the detection period that triggers an alarm, with a default of 3 minutes at 2%. (For example: C49,3, 2) Note: The set percentage value must be at least twice the accuracy percentage of the oil level sensor. (For example, if the oil level sensor has an accuracy of 10 mm and a length of 500 mm, set the leakage percentage to 2 x 10 / 500 = 4%)
example	
SMS Message Content	0000,C49,3,2
Set SMS Response	353358017784062,C49,OK

3.91 Volume Control – C69

SMS Setting Method	000, C69, MIC Volume, SPK Volume
Set SMS Response	IMEI,C69,OK
explanatory note	MIC Volume: A decimal string format ranging from 0 to 100; set to 0 for mute SPK Volume: A decimal string format ranging from 0 to 100; set to 0 for mute
example	
SMS Message Content	0000,C69,5,5
Set SMS Response	353358017784062,C69,OK

3.92 Set up Serial Peripheral Device – C70

SMS Setting Method	0000,C70,X,Y
Set SMS Response	IMEI,C70,OK
explanatory note	01 X for serial port selection X=1: Peripheral interfaces of the device (UART/RS232/485) 1. (DEBUG) X=2: Peripheral interfaces of the device (UART/RS232/485) 2. (UART) 02 Y is a peripheral selection, a decimal character; Y=0/CAMERA: Camera Y=1/HANDSET: Handle Y=2/LED SCREEN: LED vehicle display Y=3/A21: A21 Y=4/RFID: RFID
example	
SMS Message Content	0000,C70,2,0
Set SMS Response	353358017784062,C70,OK

3.93 Command to shut down – C76

SMS Setting Method	0000,C76
Set SMS Response	IMEI,C76,OK

explanatory note	The device will shut down automatically upon receiving this command. Note: When the GSM signal is unstable, you may not receive a response to the C76 command.

3.94 Switch Control Key Power Off Function – C77

SMS Setting Method	0000,C77,X
Set SMS Response	IMEI,C77,OK
explanatory note	X: A value of 1 enables the shutdown function for the switch button; a value of 0 disables it.
example	
SMS Message Content	0000,C77,1
Set SMS Response	353358017784062,C69,OK

3.95 Oil Level Sensor Settings – C96

SMS Setting Method	000, C96, Sensor type, High oil alarm percentage, Low oil alarm percentage, Fueling alarm range (MIN), Fueling alarm percentage change value, Oil theft alarm range (MIN), Oil theft alarm percentage change value, Full fuel level, Empty fuel level
Set SMS Response	IMEI,C96,OK
explanatory note	01 Sensor Type: 0: No sensor connected; 1: C-type; 2: R-type; 3: V-type; 4: LLS-type; 5: Ultrasonic type (requires configuring the peripheral as an ultrasonic oil sensor). Note: Select a sensor type that the software supports; unsupported types will cause errors. MIN Range: 0–255 Full oil value, empty oil value: 0–65535; the empty oil value must not exceed the full oil value Percentage range: 0–100 02 If you want to modify only one parameter, leave the other parameters blank, but keep the corresponding separator ', Note: Enter the sensor type value 03 Send a parameter-free command to read the current setting value
example	
SMS Message Content	0000,C96,3,80,20,1,10,1,10,200,50
Set SMS Response	353358017784062,C96,OK

3.96 Set RFID control for OUT1 ignition/off wait time – C9F

SMS Setting Method	C9F,A,B
Set SMS Response	C9F, OK/<Error Code>
explanatory note	01 A: Ignition wait time after card insertion, unit: s, format: decimal number. Range: 1–30000 02 B: Ignition wait time after ACC OFF, unit: s, format: decimal number. Range: 1–30000 03 The command has no parameters; it returns the current setting value
example	
SMS Message Content	0000,C9F,15,10
Set SMS Response	353358017784062,C9F,OK

3.97 Set collision parameters – CB4

SMS Setting Method	CB4,X,Y
Set SMS Response	CB4, OK/<Error Code>
explanatory note	01 X Sets the acceleration threshold for triggering impact events, in mg, ranging from 500 to 65535;

	02 Y sets the duration of the collision event, in units of 10 ms, ranging from 0 to 255; 03 Without parameters, it reads.
example	
SMS Message Content	0000,CB4,1000,10
Set SMS Response	353358017784062,CB4,OK

3.98 Set Video Rotation Property – CC2

SMS Setting Method	CC2,A1:B1:C1,A2:B2:C2,.....A8:B8:C8
Set SMS Response	CC2, OK/<Error Code>
explanatory note	1 A: Channel number, a decimal character, range: 1–8 2 B: Rotation attribute (10-digit value): 0: Disables video rotation 1: Horizontal flip 2: Vertical flip 3: Center-point rotation 3 C: Represents the rotation angle. This parameter is valid only when rotating around the center point; it can be set to either 0 or 180 degrees 4. Up to 8 channels can be configured simultaneously; unconfigured channels remain unchanged 5. Reading without parameters
example	
SMS Message Content	0000,CC2,1:0
Set SMS Response	353358017784062,CC2,OK

3.99 Bluetooth Pairing Settings – CC5

SMS Setting Method	000, CC5, Broadcast Name, Broadcast Interval, Pairing Password
Set SMS Response	CC5, OK/<Error Code>
explanatory note	1. Broadcast Name: String with a maximum length of 16 bytes 2. Broadcasting interval: 20–10240 units: ms 3. Pairing Password: Up to 6-digit password 4. Leave parameters blank to clear them; only the paired password can clear them 5. Simply reset Bluetooth with all parameters left blank and the comma retained 6. Read without parameters
example	
SMS Message Content	0000,CC5,123,20,000000
Set SMS Response	353358017784062,CC5,OK

3.100 Set Tilt Alarm Calibration – CC7

SMS Setting Method	0000,CC7
Set SMS Response	IMEI,CC7,OK
explanatory note	After issuing the command, the device begins calibrating the current acceleration (i.e., aligning it with the ground direction). A 1-minute wait is required during calibration; after this period, the device returns values CC7, X, Y, Z, and XYZ representing the machine's gravity and the angles to the X-, Y-, and Z-axis respectively.
example	
SMS Message Content	0000,CC7
Set SMS Response	864394040026785,CC7,OK

3.101 Offline FOTA Parameter Settings – CD4

SMS Setting Method	0000,CD4,A,B,C,D,E,F,G
Set SMS Response	IMEI,CD4,OK

explanatory note	01 A: Enable FOTA functionality 0: Disenable FOTA functionality 1: Enable FOTA functionality 02 When A = 1, the parameters B, C, D, E, F, and G are valid. 03 B: Represents an IP address, up to 32 characters 04 C: Represents a port, up to 5 characters 05 D: Timed connection duration, unit: minutes; sleep mode also counts time. Reconnection via FOTA is allowed only after the timer expires and the device wakes from sleep mode. Range: 0–65535 06 E: Alarm, Hour 07 F: Alarm, Minutes 08 G: Alarm, seconds 09 If all alarm data is 0, the alarm will be turned off; if the device is in sleep mode when the alarm time arrives, it will wake up to connect to the FOTA platform once. 10 No parameters indicate reading the current parameters
example	
SMS Message Content	0000,CC7
Set SMS Response	864394040026785,CC7,OK

3.102 RFID/iButton Authorization – D10

SMS Message Content	0000,D10,RFID(1),RFID(2),…,RFID(n)
Set SMS Response	IMEI,D10, OK
explanatory note	RFID(1) to RFID(n): Pre-authorized RFID numbers ranging from 1 to 4294967295, expressed as base-10 characters. Maximum authorization of 50 RFID cards at a time Note: K211L requires a super password to be configured.
example	
SMS Message Content	0000,D10,00000001
Set SMS Response	353358017784062,D10,OK

3.103 RFID/iButton Batch Authorization – D11

SMS Message Content	000, D11, Starting RFID card number, n
Set SMS Response	IMEI,D11, OK
explanatory note	RFID starting card number: Value range 1–4294967295, represented in decimal characters. n: Represents batch authorization of n RFID cards, expressed as a base-10 number where the card numbers start from 1 and increase incrementally; n can be up to 128. Note: K211L requires a super password to be configured.
example	
SMS Message Content	0000,D11,00000001,128
Set SMS Response	353358017784062,D11,OK

3.104 Check if the known IBobutton\RFID number is authorized – D12

SMS Message Content	000, D12, IBUTTON Number
Set SMS Response	IMEI,D12, n
explanatory note	IBUTTON Number: Value range 1–4294967295, represented in decimal characters. n: A non-zero value indicates that this IBUTTON card number is authorized; a zero value indicates that the IBUTTON is not authorized.

example	
SMS Message Content	0000,D12,13737431
Set SMS Response	353358017784062,D12,0

3.105 Delete authorized RFID/iButton number – D14

SMS Message Content	D14,RFID(1),RFID(2),…,RFID(n)
Set SMS Response	D14, OK
explanatory note	RFID(1) to RFID(n): Pre-deleted RFID numbers ranging from 1 to 4294967295, expressed in base-10 characters. You can delete up to 50 RFID cards at once, and each SMS message (including the protocol portion) cannot exceed 140 bytes.
example	
SMS Message Content	0000,D14,00000001
Set SMS Response	353358017784062,D14,OK

3.106 Batch delete authorized RFID/iButton numbers – D15

SMS Message Content	000, D15, Starting RFID card number, n
Set SMS Response	IMEI,D15, OK
explanatory note	RFID starting card number: Value range 1–4294967295, represented by base-10 characters n: Represents the number of RFID cards to be deleted in batch. The value is expressed in base-10 characters, with RFID card numbers starting from the initial RFID number and increasing by 1 sequentially. Only authorized and matching RFID card numbers are deleted; the maximum batch deletion size is 128. When the starting card number is 1–4294967295 and n is greater than or equal to 65536, all authorized numbers will be deleted (use with caution).
example	
SMS Message Content	0000,D15,00000001,128
Set SMS Response	353358017784062,D15,OK

3.107 GPS Location Information Filtering Settings – D71

SMS Message Content	0000,D71,X,Y1,Y2,Y3,Y4
Set SMS Response	IMEI,D34,OK
explanatory note	X: Enable GPS information filtering? 1: Enable 0: Disenable (default is disabled) Y1: Minimum speed range (0–999 km/h); must exceed Y1 to update GPS information Y2: Maximum speed range (0–999 km/h); must be less than Y2 to update GPS information Y3: Number of satellites; must exceed this value to update GPS information; range: 0–99 Y4: Localization accuracy; update GPS information only when this value is less than it. Unit: *10; Range: 0–999 Y1, Y2, Y3, and Y4 are mutually dependent; that is, when GPS information filtering is enabled, all four conditions must be met simultaneously for the GPS information to be updated. The GPS positioning filtering feature can limit device drift, but it may affect trajectory integrity.
example	
SMS Message Content	0000,D71,1,5,225,8,9
Set SMS Response	353358017784062,D71,OK

3.108 Output Port Trigger Setting – D72

SMS Message Content	0000,D72, X,Y1,Y2,Y3,Y4
Set SMS Response	IMEI,D72,OK
explanatory note	X: Output port selection. 1: OUT1 2: OUT2 Y1: Output time when the event is triggered, unit: 10 ms, range: 0–4294967295 Y2: High-level output when Y1 = 0 When =1, trigger a low-level output When =2, the output PWM wave is triggered. Y3: PWM duty cycle range: 0–100 Y4: Period (unit: μs, range: 2000–50000000). The output trigger can be configured as needed; defaults to low-level output. PWM duty cycle and PWM period apply only to PWM wave outputs.
example	
SMS Message Content	0000,D72,1
Set SMS Response	353358017784062,D72,OK

3.109 GPRS caching and GPSLOG storage allocation – D73

SMS Message Content	0000,D73, X,Y
Set SMS Response	IMEI,D73,OK
explanatory note	X: Sets the percentage of GPRS cache data storage as a decimal value Y: Sets the percentage of space allocated for GPSlog data storage (in decimal format) X + Y must equal 100 If the storage location is internal FLASH, the total storage capacity is 8 MB, with each partition allocated 50% by default; GPRS supports up to 8,190 entries. The GPSLOG count is 65,536. GPRS can allocate up to 16,384 entries for storage, while GPSLOG can allocate up to 131,072 entries.
example	
SMS Message Content	0000,D73,1
Set SMS Response	353358017784062,D73,OK

3.110 Container Lock Switch Control – D82

SMS Setting Method	0000,D82,X
Set SMS Response	IMEI， D82， state
explanatory note	X=0: Represents locked state X=1: Lock open Single D82 bit indicates lock status: 0 = locked, 1 = unlocked, 2 = cut lock, 3 = lock error Note: K211L requires a super password to be configured.
example	
SMS Message Content	666888,D82,1
Set SMS Response	353358017784062,D82,1

3.111 Container Lock Mechanism – D83

SMS Setting Method	0000,D83,X
Set SMS Response	IMEI,D83,OK
explanatory note	X=0: Insert and lock X=1: Lock the RFID device after authorization Single D83 indicates reading the lock mechanism device
example	
SMS Message Content	0000,D83,1
Set SMS Response	353358017784062,D83,OK

3.112 Set Peripheral Parameters – D9E

SMS Setting Method	0000,D9E,A,B,C,D,E,F,G
Set SMS Response	IMEI,D9E,OK
explanatory note	A, B, C, D, E, F, and G are all in decimal format. *A is the serial port selection A=1: Peripheral interfaces of the device (UART/RS232/485) 1. (UART1) A=2: Peripheral interfaces of the terminal (UART/RS232/485) 2. (UART2) ..... *B is the peripheral device selection; B=0/CAMERA: Camera B=1/HANDSET: Handle B=2/LED SCREEN: LED vehicle display B=3/A21: A21 B=3/A21: A21 B=4/RFID: RFID B=4/RFID: RFID ..... *C Rate Selection *Stop value (range: 0.5, 1.0, 1.5, 2.0) * parity bit (range: 0: no parity, 1: odd parity, 2: even parity) *F Data Bit (Range: 8 bits per byte, 9 bits per byte) *Flow control (Range: 0 – No flow control; 1 – CTS hardware flow control; 2 – RTS hardware flow control) Note: Settings such as port rate require permission to be granted for successful configuration. 04 Send a command to retrieve all currently selected peripheral parameters for the serial port.
example	
SMS Message Content	0000,D9E,1,1,115200,0.5,0,8,1
Set SMS Response	353358017784062,D9E,OK

3.113 Check Device Status – DA6

SMS Setting Method	0000,DA6
Set SMS Response	IMEI, DA6, Network Connection Status: Connection Type, IP1: IP Address, PORT1: Port Number, IP2: Backup IP Address, PORT2: Port Number Oral input: GPRS_INT: Fixed interval; CSQ: GSM; GPS_SUM: GPS signal strength; GPRS/SMS: Remaining entries in the GPRS buffer /SMS buffer remaining count; IO: Input/Output status; BAT/DCIN: Built-in/External voltage
explanatory note	Network connection status: Connected, Disconnected Connection Type: TCP, UDP, CLOSE IO Status: 0000 (the first two bits indicate input, the last two bits indicate output) BAT/DCIN: Unit (MV) example：

	Connect:TCP,IP1:gpsmms.f3322.org,PORT1:16869,IP2:,PORT2:,GPRS_INT:6,CSQ:31,GPS_SUM:7,GPRS/SMS:0/0,IO:0000,BAT/DCIN:4100/12860
example	
SMS Setting Method	0000,DA6
Set SMS Response	865328022075252,DA6,Connect:TCP,IP1:gpsmms.f3322.org,PORT1:16869,IP2:,PORT2:,GPRS_INT:6,CSQ: 31,GPS_SUM:7,GPRS/SMS:0/0,IO:0000,BAT/DCIN:4100/12860

3.114 Set the sensitivity level of the vibration sensor – DAF

SMS Setting Method	0000,DAF,X
Set SMS Response	IMEI,DAF,OK
explanatory note	10-digit string, range 1–10, default value is 1 The higher the level, the harder it is to wake the device. If X has no parameters, it reads the current level. Note: Used to set the sensitivity for deep sleep and vibration wake-up.
example	
SMS Message Content	0000,DAF,10
Set SMS Response	353358017784062,DAF,OK

3.115 Set RFID card automatic authorization time – DB0

SMS Setting Method	0000,DB0,X
Set SMS Response	IMEI,DB0,OK
explanatory note	X range: 0–10000, in seconds During the automatic authorization period, any RFID card will be automatically authorized. After this period ends, operations will return to normal.
example	
SMS Message Content	0000,DB0,10
Set SMS Response	353358017784062,DB0,OK

3.116 Check Device Parameters – DB4

SMS Setting Method	0000,DB4
Set SMS Response	IMEI, DB4, GPRS connection type, IP1: IP address, PORT1: Port number, IP2: Backup IP address, PORT2: Port number, GPRS time zone, APN, Sleep mode, Heartbeat interval, GPRS mode, Fixed interval, Stop interval, Fixed-distance tracking interval, Speed exceedance threshold, Turning angle threshold, Trailer alarm vibration duration, External battery low-voltage alert.
explanatory note	GPRS Connection Type IP1: IP Address, PORT1: Port Number IP2: Backup IP address; PORT2: Port number. GPRS time zone, APN, sleep mode, heartbeat, GPRS mode, fixed interval, stop interval, tracking interval, speed threshold, corner angle threshold, trailer alarm vibration duration, low battery voltage alert.
Applicable Model	T633G、T633L
example	

SMS Message Content	0000,DB4
Set SMS Response	861358038017414,DB4,TCP,IP1:server.meigps.com,PORT1:8909,IP2:,PORT2:,420,,2,50,0,30,60,0,80,30,0,114

3.117 Set Hibernation Conditions – DBE

SMS Setting Method	0000,DBE,A,B,C
Set SMS Response	IMEI,DBE,OK
explanatory note	A: When positioning is active and the speed exceeds the threshold, it does not enter sleep mode. The range is [0, 255]. If the value is 0, vibration is used for detection instead of speed. *B: When no positioning is detected, vibration exceeds the threshold and does not enter sleep mode; range [1, 10] * C: Hibernation duration, range [0, 255], in minutes. 0 turns off hibernation *No parameters indicate reading
example	
SMS Message Content	0000,DBE,0,5,5
Set SMS Response	353358017784062,DBE,OK

3.118 Set Exit Sleep Conditions – DBF

SMS Setting Method	0000,DBF,A,B
Set SMS Response	IMEI,DBF,OK
explanatory note	A: Vibration threshold for exiting sleep mode, range [1, 10] *B: Duration of continuous vibration when exiting sleep mode, range [0, 255], unit: seconds *Without parameters indicates reading,
Applicable Model	K211L
example	
SMS Message Content	0000,DBF,5,10
Set SMS Response	353358017784062,DBF,OK

3.119 Number of actual satellites used – DDB

SMS Setting Method	0000,DDB,A
Set SMS Response	IMEI,DDB,OK
explanatory note	Use the actual number of satellites A: 0 indicates not using; 1 indicates using
example	
SMS Message Content	0000,DDB,1
Set SMS Response	56554895644558545,DDB,OK

3.120 Is speed detection required when measuring fuel quantity – DF3

SMS Setting Method	DF3,A,B,C,D
Set SMS Response	IMEI,DF3,OK/ERROR

explanatory note	1. A indicates whether speed is required for oil theft detection: 1 means yes, 0 means no 2. B indicates whether speed is required for fuel detection judgment: 1 means yes, 0 means no 3. C indicates whether speed is required for high-oil detection; 1 means yes, 0 means no. 4. D indicates whether low oil detection requires speed input: 1 means required, 0 means not required Note: Is speed below 5 km/h required during oil level detection?
example	
SMS Message Content	0000,DF3,1,0,0,0
Set SMS Response	56554895644558545,DF3,OK

3.121 Set whether to use NITZ time – DDD

SMS Setting Method	000, DDD, Mode: [NTP timeout time, IP1, PORT1, [IP2, PORT2]]
Set SMS Response	IMEI,DDD,OK
explanatory note	This command allows you to set the system time calibration mode. *Value range: 0–6 0:GNSS ONLY; 1:NITZ+NTP; 2:NTP; 3:NITZ; 4:GNSS+NITZ; 5:GNSS+NTP; 6:GNSS+NTP+NITZ The NTP synchronization timeout value ranges from 1 to 65,535 seconds. *IP1/IP2: Enter an IP address or domain name (up to 32 characters); *PORT1/PORT2: Enter the ports to connect, in decimal format (range: 2–65534). * Parameters: NTP timeout time, IP1, PORT1, IP2, and PORT2 can only be configured when the NTP mode is enabled (these options appear only for modes 1, 2, 5, or 6). When NTP is enabled, IP1 and Port1 are mandatory; IP2 and Port2 are optional. *The command without parameters is a query
example	
SMS Message Content	000, DDD, Mode: [NTP timeout time, IP1, PORT1, [IP2, PORT2]]
Set SMS Response	863921032192554,DDD,OK

3.122 Set Engine Off Detection Time – E03

SMS Setting Method	0000,E03,X
Set SMS Response	IMEI,E03,OK
explanatory note	X is the time required to determine engine stall. Unit: seconds, decimal characters
example	
SMS Message Content	0000,E03,10
Set SMS Response	353358017784062,E03,OK

3.123 Get Terminal Command List – E04

SMS Setting Method	0000,E04
Set SMS Response	IMEI, E04, Command
explanatory note	01 List of SMS commands for response support
example	
SMS Message Content	0000,E04

Set SMS Response	353358017784062,E04,A00,A01....

3.124 Read the device software version and serial number – E91

SMS Setting Method	0000,E91
Set SMS Response	IMEI, E91, Version Number, Serial Number
explanatory note	Read the firmware version number and factory serial number of the device.
example	
SMS Message Content	0000,E91
Set SMS Response	353358017784062,E91,FWV1.00,12345678

3.125 FTP Configuration or Terminal Upgrade – E94

SMS Setting Method	0000,E94,type[,username,password,host,port,path,fileName,overtime]
Set SMS Response	IMEI, E94, error code fileName, ack,[fail_ID1, fail_ID2,..., fail_IDN]
explanatory note	01 Type: 0: Upgrade the terminal; 1: Configure the terminal; 2: Cancel configuration or upgrade the terminal 02 Username: User name, up to 50 bytes in ACSII format 03 Password: User password, up to 50 bytes in ACSII format 04Hostname: Domain name/IP address, up to 50 bytes in ACSII format 05 Hostport: Port number, up to 5 bytes in ACSII format 06 Path: Path name, up to 100 bytes, in ACSII format 07FileName: Name of the file to download, up to 64 bytes, in ACSII format 08 overtime: Overtime duration, range: 1–255, unit: minutes 09 Acknowledgment: Response from the terminal, 0: Command received 1: Success in configuring the terminal 2: Configuration of the terminal failed 3: Success in upgrading the terminal 4: Upgrade of the terminal failed 5: Same version, no upgrade required 6: FTP is busy 7: Does not support FTP OTA upgrades 10 fail_IDx: This field appears only when the ack indicates a failed configuration of the terminal; it represents the failure ID as a hexadecimal character, with a maximum of 256 IDs that can be reported
example	
SMS Message Content	0000,E91
Set SMS Response	353358017784062,E91,FWV1.00,12345678

3.126 Restart the GSM and GPS modules – F00

SMS Setting Method	0000,F00
Set SMS Response	IMEI,F00,OK
explanatory note	Restart the GSM and GPS modules
example	
SMS Message Content	0000,F00
Set SMS Response	353358017784062,F00,OK

3.127 Restart the GSM module – F01

SMS Setting Method	0000,F01
Set SMS Response	IMEI,F01,OK
explanatory note	Restart the GSM module
example	
SMS Message Content	0000,F01
Set SMS Response	353358017784062,F01,OK

3.128 Restart the GPS module – F02

SMS Setting Method	0000,F02
Set SMS Response	IMEI,F02,OK
explanatory note	Restart the GPS module
example	
SMS Message Content	0000,F02
Set SMS Response	353358017784062,F02,OK

3.129 Set Distance and Running Time – F08

SMS Setting Method	000, F08, Running Time, Mileage
Set SMS Response	IMEI,F08,OK
explanatory note	Running Time: A value ranging from [0, 4294967295] in decimal character format, measured in seconds; left blank indicates no setting. kilometers: A value ranging from 0 to 4294967295 in decimal format, measured in meters. Left blank leaves it unset.
Applicable Model	All models (except MT90L and MT90G)
example	
SMS Message Content	0000,F08,0,4825000
Set SMS Response	353358017784062,F08,OK Note: The above instructions set the runtime to 0 and the mileage to 4825 kilometers.

3.130 Delete SMS/GPRS cache data – F09

SMS Setting Method	000, F09, Serial Number
Set SMS Response	IMEI,F09,OK
explanatory note	Number=1: Delete all cached SMS data to be sent Number 2: Delete all pending GPRS cache data Number 3: Delete all pending SMS messages and GPRS cache data
example	
SMS Message Content	0000,F09,1
Set SMS Response	353358017784062,F09,OK

3.131 Restore Factory Settings – F11

SMS Setting Method	0000,F11
Set SMS Response	IMEI,F11,OK
explanatory note	Restore all settings to factory defaults (except passwords).
example	
SMS Message Content	0000,F11
Set SMS Response	353358017784062,F11,OK

3.132 Change Device Password – F20

SMS Setting Method	000, F20, New Password
Set SMS Response	IMEI, F20, OK/<Error Code>
explanatory note	01 The password must consist of 4-digit decimal characters and cannot contain any other characters
example	
SMS Message Content	0000,F20,1234
Set SMS Response	353358017784062,F20,OK

3.133 Modify K211L super password – F22

SMS Setting Method	000, F22, New Password
Set SMS Response	IMEI, F22, OK/<Error Code>
explanatory note	To configure IP and port in MM, you need to enter a super password for successful setup. The Super Password supports all SMS commands. However, the A21/D10/D11/D82/F22 commands cannot use SMS passwords and require the Super Password instead. The super secret defaults to 666888, a 6-digit number. AAAAAA is the original super password, andBBBBBB is the target password to be modified. Note: Remember your super password carefully. It cannot be queried or reset to its initial value, and it cannot be restored if forgotten.
example	
SMS Message Content	666888,F22,888666
Set SMS Response	353358017784062,F22,OK

3.134 Initialize Device Password – FAB

SMS Setting Method	8888,FAB
Set SMS Response	IMEI,FAB,OK
explanatory note	01 Note: 8888, FAB is the complete SMS content; no additional characters or numbers may be added before or after it. 02 An authorization number is mandatory and required for initialization. If the authorization number is lost, you must configure the software or perform a reupgrade to initiate initialization. The initialization password consists of four decimal digits (e.g., 0000).
example	
SMS Message Content	8888,FAB
Set SMS Response	353358017784062,FAB,OK

3.135 OTA Update – FAC

SMS Setting Method	0000, FAC, OTA file name[, IP, PORT]
Set SMS Response	IMEI, FAC, OK/<Error Code>
explanatory note	01 OTA File Name: ASCII character type, 32 characters, for file names only, excluding directories.

	02 IP Address: Maximum 32 bytes, in string format, can be a domain name or an IP address. 03 Port: Range 2–65534 in decimal character format. You can leave IP and PORT blank; the default values will be used if not specified. 04 Reply: After receiving the instruction, reply: FAC, OK After successful OTA, reply: FAC, OTA file name: OTA Ok Response after OTA failure: FAC, OTA file name: OTA Error
example	
SMS Message Content	0000,FAC,TC68L_Y8V021.OTA
Set SMS Response	353358017784062,FAC,OK

3.136 Format specified disk – 117

SMS Setting Method	0000,117,[name]
Set SMS Response	IMEI, 117, OK/<Error Code>
explanatory note	01 NAME: SD1, SD2, M2, BackUp, HardDisk (based on the names displayed on the disk in MM) in compliance with 117,SD1,M2 117,SD1,SD2,M2,BackUp Format the specified disk 02 Note: The MD600 is available only for SD1, SD2, M2, and BackUp.833 models with hard disks.
example	
SMS Message Content	0000,117,SD1,M2
Set SMS Response	353358017784062,117,OK

3.137 DVR Delayed Power Off Time – 140

SMS Setting Method	0000,140,A
Set SMS Response	IMEI, 140, OK/<Error Code>
explanatory note	1. Base 10 2. Range A: 0–65535; Reading without parameters yields the result
example	
SMS Message Content	0000,140,30
Set SMS Response	353358017784062,140,OK

If you have any further questions, please email info@meitrack.com—we're happy to assist you.