

GPRS Protocol 2

2 Command List

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3 Command Details

3.1 Real-Time Location Query (GPRS) – A10

GPRS Setting	A10
GPRS Reply	AAA,34,(-)Latitude,(-)Longitude,Date and time,Positioning status,Number of satellites,GSM signal strength,Speed,Direction,Horizontal positioning accuracy,Altitude,Mileage,Run time,Base station info,I/O port status,Analog input value
Description	34: indicates the GPRS command event code.
Applicable Model	All
Example	
GPRS Sending	@@Q25,353358017784062,A10*6A\r\n
GPRS Reply	\$\$Q128,353358017784062,AAA,34,22.543176,114.078448,100313093738,A,5,22,2,205,5,-14,0,60,0 0 10133 4110,0000,149 153 173 2707 914,*91\r\n

3.2 Setting a Heartbeat Packet Reporting Interval (GPRS) – A11

GPRS Setting	A11,Interval
GPRS Reply	A11,OK
Description	<p>The heartbeat packet function is used to keep the Transmission Control Protocol (TCP) connection open when the interval of scheduled GPRS reporting is long.</p> <p>When the interval is 0, the heartbeat packet function is disabled (default).</p> <p>When the interval is greater than 0, the function is enabled. Value range: 1–65535; unit: minute.</p> <p>The heartbeat packet function is only available for the deep sleep mode. When the device enters deep sleep mode, it will send heartbeat packets at the specified interval.</p> <p>The function is used to keep the platform connection smooth, but GPS positioning data is invalid.</p>
Applicable Model	All
Example	
GPRS Sending	@@S28,353358017784062,A11,10*FD\r\n
GPRS Reply	<p>\$\$S28,353358017784062,A11,OK*FE\r\n</p> <p>After the above command is run successfully, the tracker will send the following GPRS heartbeat packet to the platform every 10 minutes in sleep mode:</p> <p>\$\$a131,353358017784062,AAA,31,22.913458,114.083183,080229123628,V,9,23,21,83,</p>

1,18,1350,127,0 0 10133 4110,0000,169 181 184 2714 919,*60
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3.3 Tracking by Time Interval (GPRS) – A12

GPRS Setting	A12,Interval
GPRS Reply	A12,OK
Description	<p>The interval is in unit of 10 seconds.</p> <p>When the interval is 0, the scheduled GPRS reporting function is disabled.</p> <p>The maximum time interval is 65535 x 10 seconds.</p> <p>6 x 10 seconds are recommended.</p>
Applicable Model	All
Example	
GPRS Sending	@@V27,353358017784062,A12,6*D5\r\n
GPRS Reply	<p>\$\$V28,353358017784062,A12,OK*02\r\n</p> <p><i>After the above command is run successfully, the tracker will send the following GPRS data packet to the platform every 1 minute:</i></p> <p>\$\$W129,353358017784062,AAA,35,22.540113,114.076141,100313094354,A,5,22,1,17 4,4,129,0,435,0 0 10133 4110,0000,166 224 193 2704 916,*BE\r\n</p>

3.4 Setting the Direction Change Report Function (GPRS) – A13

GPRS Setting	A13,Angle
GPRS Reply	A13,OK
Description	<p>When the driving angle exceeds the preset value, the tracker will send an updated location report to the server through GPRS, which ensures a smoother route on the platform.</p> <p>When the angle is 0, the direction change report function is disabled (default).</p> <p>When the angle is greater than 0, the function is enabled. Value range: 1–359. 30 is recommended.</p>
Applicable Model	All
Example	
GPRS Sending	@@X29,353358017784062,A13,120*37\r\n
GPRS Reply	<p>\$\$X28,353358017784062,A13,OK*05\r\n</p> <p><i>After the above command is run successfully, if the direction change angle is greater than 120 degree, the tracker will send the following GPRS data packet to the server:</i></p> <p>\$\$Y129,353358017784062,AAA,32,22.540968,114.077455,100313094534,A,4,22,1,166, 3,175,0,534,0 0 10133 4110,0000,141 138 159 2691 904,*D9\r\n</p>
Applicable Model	All

3.5 Tracking by Distance – A14

GPRS Setting	A14,Distance
GPRS Reply	A14,OK

Description	<p>When the driving distance is 0, the distance tracking function is disabled (default).</p> <p>When the driving distance is greater than 0, the function is enabled. Value range: 1–4294967295; unit: meter.</p> <p>Note: If the GPRS scheduled tracking and distance tracking functions are both set, reporting complies with the "first reach first report" rule, and both the time interval and distance will be reset to 0 until the next report.</p> <p>300 is recommended.</p>
Applicable Model	All
Example	
GPRS Sending	@@D30,353358017784062,A14,1000*4A\r\n
GPRS Reply	<p>\$\$D28,353358017784062,A14,OK*F2\r\n</p> <p><i>After the above command is run successfully, if the driving distance reaches 1000m, the tracker will send a data packet to the server.</i></p> <p>\$\$D131,353358017784062,AAA,33,22.547271,114.047405,080310080929,A,8,21,13,89,1,12,8525,561,0 0 10133 4110,0000,163 185 186 2712 939,*31\r\n</p>

3.6 Setting the Parking Scheduled Tracking Function (GPRS) – A15

GPRS Setting	A15,Interval
GPRS Reply	A15,OK
Description	<p>The function is available for vehicle trackers only. With the function, the number of GPRS messages is reduced, and thus GPRS traffic is saved.</p> <p>After the A15 function is set, the A16 function is automatically enabled. For details about engine status, see section 3.7 "Enabling the Parking Scheduled Tracking Function (GPRS) – A16."</p> <p>The interval is in unit of 10 seconds.</p> <p>When the interval is 0, the GPRS scheduled reporting function is disabled.</p> <p>The maximum interval is 65535 x 10 seconds.</p> <p>Note: If data needs to be sent at the specified interval after the vehicle starts or stops, the function needs to work with the A12 function.</p>
Applicable Model	MVT100/MVT340/MVT380/MVT600/T1/MVT800/TC68S/T333/T3
Example	
GPRS Sending	@@E27,353358017784062,A15,6*C7\r\n
GPRS Reply	\$\$E28,353358017784062,A15,OK*F4\r\n

3.7 Enabling the Parking Scheduled Tracking Function (GPRS) – A16

GPRS Setting	A16,Status
GPRS Reply	A16,OK
Description	<p>The function is available for vehicle trackers only. The first positive input port (high level) of a vehicle tracker must connect to engine status detection. Otherwise, the function is unavailable. The first positive input port of vehicle trackers are as follows:</p>

	<table> <tr> <th>Vehicle Tracker</th><th>First Positive Input Port</th></tr> <tr> <td>MVT100</td><td>Input port 2</td></tr> <tr> <td>MVT340</td><td>Input port 2</td></tr> <tr> <td>MVT380</td><td>Input port 4</td></tr> <tr> <td>MVT600</td><td>Input port 3</td></tr> <tr> <td>T1/T333/T3</td><td>Input port 3</td></tr> </table>	Vehicle Tracker	First Positive Input Port	MVT100	Input port 2	MVT340	Input port 2	MVT380	Input port 4	MVT600	Input port 3	T1/T333/T3	Input port 3
Vehicle Tracker	First Positive Input Port												
MVT100	Input port 2												
MVT340	Input port 2												
MVT380	Input port 4												
MVT600	Input port 3												
T1/T333/T3	Input port 3												
	<p>When the activation status is 1, the parking scheduled tracking function is enabled; when the activation status is 0, the function is disabled. GPRS data is sent at the following interval:</p> <ul style="list-style-type: none"> ● Interval of the A12 function when the engine is on ● Interval of the A15 function when the engine is off <p>Note: The TC68S can determine whether the engine is activated based on vehicle battery voltage.</p>												
Applicable Model	MVT100/MVT340/MVT380/MVT600/T1/MVT800/TC68S/T333/T3												
Example													
GPRS Sending	@@F27,353358017784062,A16,0*C3\r\n												
GPRS Reply	\$\$F28,353358017784062,A16,OK*F6\r\n												

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

GPRS Setting	A17,X
GPRS Reply	A17,OK
Description	<p>When X is 1, the RFID control OUT1 function is enabled. Ensure that the engine must connect to input 3 and the RFID has been authorized.</p> <p>When X is 0, the RFID control OUT1 function is disabled (default).</p> <p>For example, after swiping the authorized RFID card, you must start the engine within 1 minute. If the time expires, you need to swipe the card again to start the engine. Input 3 is used to detect engine status. When input 3 detects that the engine status is ACC ON, the engine is not activated. When input 3 detects that the engine is stopped, swipe the card within 1 minute to start the engine.</p> <p>For details about how to authorize a RFID, see commands D10–D15.</p>
Applicable Model	MVT600/T1/T333/T3
Example	
GPRS Sending	@@T27,353358017784062,A17,1*D3\r\n
GPRS Reply	\$\$T28,353358017784062,A17,OK*05\r\n

3.9 3D-Shake Wake Up – A19

GPRS Setting	A19,X
GPRS Reply	A19,OK
Description	When wakeup is not required in the sleep mode, X is set to 0 .

	When vibration and wakeup are required in the deep sleep mode, X is set to 1 (default value).
Applicable Model	MT90
Example	
GPRS Sending	@@H27,353358017784062,A19,1*C9\r\n
GPRS Reply	\$\$H28,353358017784062,A19,OK*F8\r\n

3.10 Setting GPRS Parameters – A21

GPRS Setting	A21,Connection mode,IP address,Port,APN,APN user name,APN password
GPRS Reply	A21,OK
Description	<p>When the connection mode is 0, the GPRS function is disabled.</p> <p>When the connection mode is 1, the GPRS function is enabled, and the TCP/IP reporting mode is used.</p> <p>When the connection mode is 2, the GPRS function is enabled, and the UDP reporting mode is used.</p> <p>IP address: IP address or domain name. A maximum of 32 bytes are supported.</p> <p>Port: a maximum of 5 digits.</p> <p>APN/APN user name/APN password: a maximum of 32 bytes respectively.</p> <p>If no user name and password are required, leave them blank.</p>
Applicable Model	All
Example	
GPRS Sending	@@H48,353358017784062,A21,1,67.203.13.26,8800,,,*C9
GPRS Reply	\$\$H28,353358017784062,A21,OK*F4\r\n

3.11 Setting the DNS Server IP Address – A22

GPRS Setting	A22,DNS server IP address
GPRS Reply	A22,OK
Description	<p>An incorrect DNS server IP address may lead to GPRS data reporting failures after the A21 command is used. Use the A22 command to set the DNS server IP address (confirm the IP address with your domain name provider.). Then use the A21 command to reset the domain name.</p> <p>DNS server IP address: a maximum of 16 bytes</p>
Applicable Model	Excluding T322X/T355
Example	
GPRS Sending	@@K38,353358017784062,A22,75.127.67.90*FD\r\n
GPRS Reply	\$\$K28,353358017784062,A22,OK*F8\r\n

3.12 Setting the Standby GPRS Server – A23

GPRS Setting	A23,IP address,Port
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GPRS Reply	A23,OK
Description	<p>IP address: a maximum of 32 bytes</p> <p>Port: a maximum of 5 digits</p> <p>When the tracker fails to send data to the active server set by command A21, data is automatically sent to the standby server to prevent data loss.</p>
Applicable Model	Excluding T322X
Example	
GPRS Sending	@@S43,353358017784062,A23,67.203.13.26,8800*F0
GPRS Reply	\$\$S28,353358017784062,A23,OK*01\r\n

3.13 Reading All Authorized Phone Numbers – A70

GPRS Setting	A70
GPRS Reply	A70,SOS phone number 1,SOS phone number 2,SOS phone number 3,Listen-in phone number 1,Listen-in phone number 2
Description	Read all authorized phone numbers.
Applicable Model	All
Example	
GPRS Sending	@@T25, 353358017784062,A70*93\r\n
GPRS Reply	\$\$T85,353358017784062,A70,13811111111,13822222222,13833333333,13844444444,13855555555*21\r\n

3.14 Setting a Combined Function Phone Number – A71

GPRS Setting	A71,Phone number 1,Phone number 2,Phone number 3
GPRS Reply	A71,OK
Description	<p>Phone number: A phone number has a maximum of 16 bytes. If no phone numbers are set, leave them blank. Phone numbers are empty by default.</p> <p>Phone number 1: Set the phone number to the SOS phone number. When you call the tracker by using the phone number, the tracker will reply an SMS with the location and send geo-fence alarms and low power alarms.</p> <p>When the SOS button is pressed, the tracker will dial phone numbers 1, 2, and 3 in sequence. The tracker stops dialing when a phone number responds.</p>
Applicable Model	All
Example	
GPRS Sending	@@U61,353358017784062,A71,13811111111,13822222222,13833333333*7D\r\n
GPRS Reply	\$\$U28,353358017784062,A71,OK*06\r\n

3.15 Setting a Listen-in Phone Number – A72

GPRS Setting	A72,Listen-in phone number 1,Listen-in phone number 2
GPRS Reply	A72,OK

Description	<p>When you call the tracker by using the authorized listen-in phone number, the tracker will answer the call automatically and enter the listen-in state. In this way, the tracker will not make any sound.</p> <p>A maximum of two phone numbers can be set. Each phone number has a maximum of 16 digits. If no phone numbers are set, leave them blank. Phone numbers are empty by default.</p> <p>If no phone numbers are set and commas are remained, phone numbers set before will be deleted.</p>
Applicable Model	Excluding T322X/T355/MVT340
Example	
GPRS Sending	@@V49,353358017784062,A72,13844444444,13855555555*55\r\n
GPRS Reply	\$\$V28,353358017784062,A72,OK*08\r\n

3.16 Setting the Smart Sleep Mode – A73

GPRS Setting	A73,Sleep level
GPRS Reply	A73,OK
Description	<p>Set the automatic smart sleep mode when the tracker is idle.</p> <p>When the sleep level is 0, the sleep mode is disabled (default).</p> <p>When the sleep level is 1, the tracker enters the normal sleep mode. The GSM module always works, and the GPS module occasionally enters the sleep mode. The tracker works 25% longer in the normal sleep mode than that in the normal working mode. This mode is not recommended for short interval tracking; this will affect the route precision.</p> <p>When the sleep level is 2, the tracker enters deep sleep mode. If no event is triggered after five minutes, the GPS module will stop and the GSM module will enter sleep mode. Once an event is triggered, the GPS and GSM modules will be woken up. A heartbeat event will be triggered only in the deep sleep mode, which will be uploaded every one hour by default.</p> <p>Triggering events include: SOS alarm, low internal/external battery, external power status, GPS antenna cutoff alarm, towing alarm, high temperature, low temperature, fuel stealing, vehicle stealing, ACC ON, (button) changes on any input port, vibration, incoming call, SMS receiving, call, and heartbeat event (The GPS is disabled during heartbeat wakeup.).</p> <p>Note:</p> <ul style="list-style-type: none"> ● T355 is in deep sleep mode by default. If no event (drop/incoming call/SMS/vibration) is triggered after five minutes, the tracker will enter deep sleep mode. In this way, a triggering event (drop/incoming call/SMS/vibration) can wake the device up, and then the device will enter working mode. In deep sleep mode, if no event (drop/incoming call/SMS/vibration) is triggered within 25 minutes, the device will automatically enter super power-saving mode. In this mode, only a drop or vibration event can wake the device up. GPS and GSM modules can be enabled intelligently based on vehicle driving status, which saves power.

	<ul style="list-style-type: none"> The MT90 can enter sleep mode under vibration, and vibration cannot wake the MT90 up from sleep mode. If the A19 command is enabled, the MT90 can be woken up. By default, MT90 cannot be woken up by vibration. In any condition, you can use an SMS or a GPRS command to disable the sleep mode, and then the tracker exits the sleep mode and returns back to the normal working mode.
Applicable Model	All
Example	
GPRS Sending	@@W27,353358017784062,A73,2*D9\r\n
GPRS Reply	\$\$W28,353358017784062,A73,OK*0A\r\n

3.17 Automatic Event Report – AAA

GPRS Event Report	<i>AAA,Command type,(-)Latitude,(-)Longitude,Date and time,Positioning status,Number of satellites,GSM signal strength,Speed,Direction,Horizontal positioning accuracy,Altitude,Mileage,Run time,Base station info,I/O port status,Analog input value</i>
Description	When an event occurs, the tracker automatically reports the event to the server.
Applicable Model	Excluding T322X
Example	
GPRS Reply	<p><i>When you press the SOS button, the tracker will send the following information to the server:</i></p> <p><i>\$\$G127,353358017784062,AAA,1,22.538169,114.075958,100313095653,A,3,21,4,46,5,581,0,148,0 0 10133 4172,0000,166 204 205 2709 878,*77\r\n</i></p>

3.18 Deleting a GPRS Event in the Cache Zone – AFF

GPRS Setting	<i>AFF,Number of deleted GPRS events</i>
GPRS Reply	<i>AFF,Number of remaining caches,Command type, (-)Latitude,(-)Longitude,Data and time,Positioning status,Number of satellites,GSM signal strength,Speed,Direction,Horizontal positioning accuracy,Altitude,Mileage,Run time,Base station info,I/O port status,Analog input value</i>
Description	<p>Number of deleted GPRS events: hexadecimal string. The default value is 1.</p> <p>Number of remaining caches: indicates the number of events in internal flash memory. Hexadecimal string.</p>
Applicable Model	Excluding T322X
Example	
GPRS Sending	@@h27,353358017784062,AFF,1*0B\r\n
GPRS Reply	\$\$h28,353358017784062,AFF,OK*3D\r\n

3.19 Setting a Geo-Fence – B05

GPRS Setting	B05,Geo-fence number,Latitude,Longitude,Radius,In geo-fence alarm,Out geo-fence alarm
GPRS Reply	B05,OK
Description	<p>Geo-fence number: 1–8. A maximum of eight geo-fences can be set.</p> <p>Latitude: latitude of the geo-fence center; decimal; accurate to 6 digits after the decimal point. If there are only 4 digits after the decimal point, add two digits 0. Otherwise, the command cannot be used successfully.</p> <p>Longitude: longitude of the geo-fence center; decimal; accurate to 6 digits after the decimal point. If there are only 4 digits after the decimal point, add two digits 0. Otherwise, the command cannot be used successfully.</p> <p>Radius: The value ranges from 1 to 4294967295. The unit is meter.</p> <p>When the In Geo-fence alarm is 0, the alarm function is disabled.</p> <p>When the In Geo-fence alarm is 1, the alarm function is enabled.</p> <p>When the Out Geo-fence alarm is 0, the alarm function is disabled.</p> <p>When the Out Geo-fence alarm is 1, the alarm function is enabled.</p>
Applicable Model	All
Example	
GPRS Sending	@@H57,353358017784062,B05,1,22.913191,114.079882,1000,0,1*96\r\n
GPRS Reply	\$\$H28,353358017784062,B05,OK*F7\r\n <i>When the tracker exits the geo-fence (latitude: 22.913191; longitude: 114.079882; radius: 1000m), it will send the following GPRS data packet to the server:</i> \$\$J132,353358017784062,AAA,21,22.918046,114.089726,080229123812,A,10,22,12,32,1,21,6667,847,0 0 10133 4110,0000,124 181 183 2714 922,*5A\r\n

3.20 Deleting a Geo-Fence – B06

GPRS Setting	B06,Geo-fence number
GPRS Reply	B06,OK
Description	Geo-fence number: 1–8. Only one geo-fence can be deleted each time by SMS or GPRS command.
Applicable Model	All
Example	
GPRS Sending	@@J27,353358017784062,B06,1*C8\r\n
GPRS Reply	\$\$J28,353358017784062,B06,OK*FA\r\n <i>After the command is run successfully, the first geo-fence will be deleted.</i>

3.21 Setting the Speeding Alarm Function – B07

GPRS Setting	B07,Driving speed
GPRS Reply	B07,OK

Description	<p>When the driving speed is 0, the speeding alarm function is disabled (default).</p> <p>When the driving speed is greater than 0, the function is enabled. Value range: 1–255; unit: km/h. When the driving speed reaches the preset value, a speeding alarm will be generated.</p>
Applicable Model	All
Example	
GPRS Sending	@@P28,353358017784062,B07,60*05\r\n
GPRS Reply	<p>\$\$P28,353358017784062,B07,OK*01\r\n</p> <p><i>When the tracker driving speed reaches 60 km/h, it will send the following information to the server:</i></p> <p>\$\$k134,353358017784062,AAA,19,22.916675,114.088813,080229123718,A,10,22,61,31,1,21,6635,395,460/0/10133/4110,0000,164/185/181/2712/915,*F7\r\n</p>

3.22 Setting the Towing Alarm Function – B08

GPRS Setting	B08,Vibration duration
GPRS Reply	B08,OK
Description	<p>When the tracker's vibration duration exceeds the preset value, the tracker will send an alarm to an authorized phone number or the server. Before using the towing alarm function, ensure that the smart sleep level is set to 2 by using the A73 command and the consecutive vibration duration is set by using the B08 command. Otherwise, the towing alarm function is unavailable.</p> <p>When the consecutive vibration duration is 0, the towing alarm function is disabled (default).</p> <p>When the consecutive vibration duration is greater than 0, the function is enabled. Value range: 1–255; unit: second.</p>
Applicable Model	Excluding T322X/T355
Example	
GPRS Sending	@@I27,353358017784062,B08,3*CB\r\n
GPRS Reply	<p>\$\$I28,353358017784062,B08,OK*FB\r\n</p> <p><i>When the tracker vibrates for more than consecutive 3 seconds, it will send the following information to the server:</i></p> <p>\$\$K133,353358017784062,AAA,36,22.916675,114.088813,080229123718,A,10,22,61,31,1,21,6635,395,460/0/1013/4110,0000,164/185/181/2712/915,*A2</p>

3.23 Setting the Anti-Theft Function – B21

GPRS Setting	B21,Status
GPRS Reply	B21,OK

Description	When the activation status is 1 (default value), the anti-theft function is enabled. An alarm is generated when the first negative input and first positive input of vehicle trackers excluding SOS are activated. For example, an alarm is generated when input 3 or 4 of the MVT800 is activated or input 2 or 3 of the T322X is activated.																					
	When the activation status is 0 , the anti-theft function is disabled. No alarm is generated when the first negative input and first positive input of vehicle trackers excluding SOS are activated.																					
	Note: The function is only available for MVT series, T1, and T322X vehicle trackers. The following lists inputs of trackers:																					
	<table><tr><th>Tracker</th><th>Negative Input</th><th>Positive Input</th></tr><tr><td>MVT100</td><td>-</td><td>Input 2</td></tr><tr><td>MVT340</td><td>-</td><td>Input 2</td></tr><tr><td>MVT380</td><td>Input 2</td><td>Input 4</td></tr><tr><td>MVT600</td><td>Input 2</td><td>Input 3</td></tr><tr><td>T1/T333/T3</td><td>Input 2</td><td>Input 3</td></tr><tr><td>MVT800</td><td>Input 3</td><td>Input 4</td></tr></table>	Tracker	Negative Input	Positive Input	MVT100	-	Input 2	MVT340	-	Input 2	MVT380	Input 2	Input 4	MVT600	Input 2	Input 3	T1/T333/T3	Input 2	Input 3	MVT800	Input 3	Input 4
	Tracker	Negative Input	Positive Input																			
	MVT100	-	Input 2																			
	MVT340	-	Input 2																			
	MVT380	Input 2	Input 4																			
	MVT600	Input 2	Input 3																			
	T1/T333/T3	Input 2	Input 3																			
MVT800	Input 3	Input 4																				
Note: The TC68S can determine whether the engine is activated based on vehicle battery voltage.																						
When the T322X/MVT800 is in arming state and input 3 is triggered, a vehicle stealing alarm will be generated, the buzzer makes a sound, and the tracker makes a call and sends an SMS to the authorized phone number. In this way, if T322X input 2/MVT800 input 4 is triggered, output 1 is activated and the tracker makes a call and sends an SMS to the authorized phone number.																						
Applicable Model	MVT100/MVT340/MVT380/MVT600/T1/MVT800/T333/TC68S/T3/T311																					
Example																						
GPRS Sending	@@C27,353358017784062,B21,1*BE\r\n																					
GPRS Reply	\$\$C28,353358017784062,B21,OK*F0\r\n																					

3.24 Turning Off the Indicator – B31

GPRS Setting	B31,A
GPRS Reply	B31,OK
Description	<p>When A is 00, the tracker's indicator is turned on (default). You can query the device's running status according to the indicator status.</p> <p>When A is 10, the tracker's indicator is turned off.</p>
Applicable Model	Excluding T322X/T355
Example	
GPRS Sending	@@J28,353358017784062,B31,10*F7\r\n
GPRS Reply	\$\$J28,353358017784062,B31,OK*F8\r\n

3.25 Setting a Log Interval – B34

GPRS Setting	B34,Log interval
GPRS Reply	B34,OK
Description	<p>Set the log interval when the GPS is valid. Recorded logs can only be read by GPSLog or Meitrack Manager software.</p> <p>When the log interval is 0, the recorder function is disabled (default).</p> <p>When the log interval is greater than 0, the function is enabled. Value range: 1–65535; unit: second.</p>
Applicable Model	Excluding T322X/MVT340/T355
Example	
GPRS Sending	@@N28,353358017784062,B34,60*03\r\n
GPRS Reply	\$\$N28,353358017784062,B34,OK*FF\r\n

3.26 Setting the SMS Time Zone – B35

GPRS Setting	B35,SMS minute
GPRS Reply	B35,OK
Description	<p>The default time zone of the tracker is GMT 0. You can run the B35 command to change the SMS report time zone to the local time zone. The SMS report time zone is different from the GPRS data packet time zone.</p> <p>When SMS minute is 0, the time zone is GMT 0.</p> <p>When SMS minute is a value ranging from -32768 to 32767, set time zones.</p>
Applicable Model	All
Example	
GPRS Sending	@@O29,353358017784062,B35,480*3C\r\n
GPRS Reply	\$\$O28,353358017784062,B35,OK*01\r\n
After the command is run successfully, the tracker SMS time zone is changed to UTC+08:00 (China time zone).	

3.27 Setting the GPRS Time Zone – B36

GPRS Setting	B36,GPRS minute
GPRS Reply	B36,OK
Description	<p>When GPRS minute is 0, the time zone is GMT 0 (default). The MS02 can automatically detect the user time zone, so that the GPRS time zone does not need to be changed. Otherwise, inaccurate data occurs.</p> <p>When GPRS minute is a value ranging from -32768 to 32767, set time zones.</p>
Applicable Model	Excluding T355
Example	
GPRS Sending	@@P29,353358017784062,B36,480*3E\r\n
GPRS Reply	\$\$P28,353358017784062,B36,OK*03\r\n
After the command is run successfully, the GPRS time zone is changed to UTC+08:00	

	(China time zone).
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3.28 Checking the Engine First to Determine Tracker Running Status – B60

GPRS Setting	B60,X
GPRS Reply	B60,OK
Description	<p>When X is 1, check the engine first to determine whether the tracker is moving or stops. This prevents static drift.</p> <p>When X is 0, you do not need to check the engine to determine whether the tracker is moving or stops (default).</p> <p>The first positive input of the tracker connects to engine detection by default.</p>
Applicable Model	MVT100/MVT380/MVT600/T1/MVT800/TC68S/T333/T3
Example	
GPRS Sending	@@U27,353358017784062,B60,1*D3\r\n
GPRS Reply	\$\$U28,353358017784062,B60,OK*05\r\n

3.29 Setting SMS Event Characters – B91

GPRS Setting	B91,Event SMS code,SMS header
GPRS Reply	B91,OK
Description	Header: a maximum of 16 bytes
Applicable Model	Excluding T322X
Example	
GPRS Sending	@@R31,353358017784062,B91,1,SOS*F0\r\n
GPRS Reply	<p>\$\$R28,353358017784062,B91,OK*06\r\n</p> <p><i>After you press the SOS button (input 1), the tracker will send an alarm SMS whose header is SOS to a preset authorized phone number.</i></p>

3.30 Setting a GPRS Event Flag – B92

GPRS Setting	B92,GPRS event flag
GPRS Reply	B92,OK
Description	<p>Set one or multiple GPRS event flags.</p> <p>GPRS event flag: 16 hexadecimal strings (64 bits).</p> <p>High bit: indicates the 64th event flag (bit 63).</p> <p>Low bit: indicates 1st event (SOS) flag (bit 0).</p>
Applicable Model	All
Example	
GPRS Sending	@@q42,353358017784062,B92,1234567890ABCDEF*62\r\n
GPRS Reply	\$\$q28,353358017784062,B92,OK*26\r\n

3.31 Reading a GPRS Event Flag – B93

GPRS Setting	B93
GPRS Reply	B93, <i>GPRS event code flag</i>
Description	Read a GPRS event code flag.
Applicable Model	All
Example	
GPRS Sending	@@V25,353358017784062,B93*7B\r\n
GPRS Reply	\$\$V42,353358017784062,B93,00000007E01C001F*B5\r\n

3.32 Setting a Photographing Event Flag (MVT600/T1/T333/T3) – B96

GPRS Setting	B96, <i>Photographing event flag</i>
GPRS Reply	B96,OK
Description	Set one or multiple photographing events. When a preset event occurs, a photo is taken and then saved in the Micro SD card. By default, after you press the SOS button, a photo will be taken and then saved into the Micro SD card. You can use command D00/D01 to read photos.
Applicable Model	MVT600/T1/T333/T3
Example	
GPRS Sending	@@A42,353358017784062,B96,0000000000000001*95\r\n
GPRS Reply	\$\$A28,353358017784062,B96,OK*FA\r\n

3.33 Reading a Photographing Event Flag (MVT600/T1/T333) – B97

GPRS Setting	B97
GPRS Reply	B97, <i>Photographing event flag</i>
Description	To know which event has enabled the function for taking photos.
Applicable Model	MVT600/T1/T333/T3
Example	
GPRS Sending	@@C25,353358017784062,B97*6C\r\n
GPRS Reply	\$\$C42,353358017784062,B97,0000000000000001*60\r\n

3.34 Setting Event Authorization – B99

GPRS Setting	B99,<SMS>/<0>,<Phone number location>/<Authorized phone number>,<Operation code>, [Event code 1].....[Event code n] B99,<CALL>/<1>,<Phone number location>/<Authorized phone number>,<Operation code>, [Event code 1].....[Event code n] B99,<GPRS>/<2>,<Operation code>, [Event code 1].....[Event code n] 0000,B99,<CAMERA>/<3>,<Operation code>, [Event code 1].....[Event code n] B99,<BUZZER>/<4>,<Operation code>, [Event code 1].....[Event code n].
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GPRS Reply	B99,<SMS>/<0>,<Phone number location>,<Authorized phone number>, [Event code 1].....[Event code n] B99,<CALL>/<1>,<Phone number location>,<Authorized phone number>, [Event code 1].....[Event code n] B99,<GPRS>/<2>,[Event code 1].....[Event code n] B99,<CAMERA>/<3>,[Event code 1].....[Event code n] B99,<BUZZER>/<4>,[Event code 1].....[Event code n]
Description	Fields SMS, CALL, CAMERA, GPRS, BUZZER can be presented by 0–4 in decimal string. Operation codes GET, SET, ADD, and DEL can be presented by 0–3 in decimal string. These characters are not case-sensitive. Note: Ensure that an authorized phone number is set by using the A71 command or the parameter configuration tool before the B99 command is used to set the SMS/CALL event code. The tracker compares the authorized phone number issued by B99 with the authorized phone number (excluding +86 characters) of the tracker. If the phone numbers are the same, the new event code will be stored. If the phone numbers are inconsistent, an error SMS will be sent.
Applicable Model	All
Example	
GPRS Sending	@@B34,863070010825791,B99,gprs,get*BC\r\n
GPRS Reply	\$\$B33,863070010825791,B99,1,17,18*B5\r\n

3.35 Output Control – C01

GPRS Setting	C01,Speed,ABCDE
GPRS Reply	C01,OK
Description	<p>When the speed is 0, no speed limit exists. That is, when the tracker receives a command, the output control takes effect immediately.</p> <p>When the speed is a value ranging from 1 to 255 (unit: km/h), set the speed limit for output control. When the driving speed is lower than the speed limit, the output control takes effect.</p> <p>A=0, close output (OUT1) - open drain A=1, open output (OUT1) - connect to GND A=2, remain previous status.</p> <p>B=0, close output (OUT2) - open drain B=1, open output (OUT2) - connect to GND B=2, remain previous status.</p> <p>C=0, close output (OUT3) - open drain C=1, open output (OUT3) - connect to GND C=2, remain previous status.</p> <p>D=0, close output (OUT4) - open drain D=1, open output (OUT4) - connect to GND D=2, remain previous status.</p> <p>E=0, close output (OUT5) - open drain</p>

	E=1, open output (OUT5) - connect to GND E=2, remain previous status.
Applicable Model	MVT100/MVT340/MVT380/MVT600/T1/MVT800/T333/T3
Example	
GPRS Sending	@@M34,353358017784062,C01,20,10122*18\r\n
GPRS Reply	\$\$M28,353358017784062,C01,OK*F9\r\n

3.36 The GPRS Platform Control Device Sends an SMS – C02

GPRS Setting	C02, X, <i>Phone number,Content</i>
GPRS Reply	C02,OK
Description	Used for the platform control device to send an SMS to a mobile phone. X = 0: in TEXT mode X = 1: in Unicode mode Phone number: a maximum of 16 digits Content: a maximum of 140 characters After receiving the message, the tracker sends Content information to specified phone numbers.
Applicable Model	All
Example	
GPRS Sending	@@f47,353358017784062,C02,0,15360853789,Meitrack*B1\r\n
GPRS Reply	\$\$f28,353358017784062,C02,OK*13\r\n

3.37 Setting a GPRS Event Transmission Mode – C03

GPRS Setting	C03, X
GPRS Reply	C03,OK
Description	X = 0: automatic event report (default) X = 1: Before another event can be transmitted, existing event reports need to be confirmed and deleted on the server by the AFF command. Select this mode when GPRS uses UDP.
Applicable Model	Excluding T322X
Example	
GPRS Sending	@@f27,353358017784062,C03,0*E1\r\n
GPRS Reply	\$\$f28,353358017784062,C03,OK*14\r\n

3.38 GPRS Information Display (LCD Display) – C13

GPRS Setting	C13, <i>Level,Type,Content</i>
GPRS Reply	C13,OK
Description	The command is used to display GPRS platform information on the LCD display. Level: Level 0 indicates normal information, while level 1 indicates urgent information.

	Type: indicates the encoding mode. E = ASCII. U = UNICODE2. Content: indicates the information text and has a maximum of 150 bytes.
Applicable Model	MVT600/T1/T333/T3
Example	
GPRS Sending	@@m42,013777001338688,C13,0,E,Test Message*08
GPRS Reply	\$\$m28,013777001338688,C13,OK*1C

3.39 Registering a Temperature Sensor Number (MVT600/T1/T333/T3/MVT800) – C40

GPRS Setting	C40,SN1 & number 1,SN2 & number 2,...,SNn & number n
GPRS Reply	C40,SN1 & number 1 & result, SN2 & number 2 & result,...SNn & number n & result
Description	<p>Commands C40 to C46 are used to read or set a temperature sensor.</p> <p>Installation steps:</p> <ol style="list-style-type: none"> 1) Check whether the temperature sensor number in AAA GPRS data is 0. 2) If the number is 0, the temperature sensor is not numbered. Then send the C42 command to read the mappings of sensor SNs and numbers. 3) Use the C40 command to index all sensors and bind information in the database, such as the IMEI number, SN, number, and customized name. 4) If a high or low temperature alarm is required, send the C43 command to set the temperature value and customize a name. You are advised to use the installation path as the name and save the name to the database. 5) If the sensor is pulled out or replaced when the device is online, use the C46 command to check the sensor. If data is inconsistent, use the C40 and C43 commands to set data. <p>The device uploads current temperature data by the AAA event. If the number in temperature data is 0, the temperature sensor is not registered. The platform automatically sends the C42 command to obtain the temperature sensor SN and number list. Find out the sensor whose number is 0, and register it.</p> <p>n: The maximum value is 8.</p> <p>SN: unique number to identify a temperature sensor. Eight bytes. Hexadecimal string. The SN is displayed on the platform like 28 1B D5 23 04 00 00 57, which is the same as that on the sensor label.</p> <p>Number: one byte. Hexadecimal. The value ranges from 1 to 254.</p> <p>Registration result: 0x01, 0x02, 0x03, and 0x04</p> <p>0x01: The registration is successful.</p> <p>0x02: The number or SN already exists.</p> <p>0x03: All sensors are registered.</p> <p>0x04: Registration failed. Hexadecimal.</p>
Applicable Model	MVT600/T1/T333/MVT800/T3
Example (ASCII is used to display examples because hexadecimal characters cannot be displayed.)	
GPRS Sending	@@q35,012896001078259,C40,(1BD5#040000W02*50\r\n
GPRS Reply	\$\$q36,012896001078259,C40,(1BD5#040000W0201*1B \r\n

3.40 Deleting a Registered Temperature Sensor (MVT600/T1/T333/MVT800/T3) – C41

GPRS Setting	C41,Number 1,Number 2,...Number n
GPRS Reply	C41,Number 1,Result,Number 2,Result,...Number n,Result
Description	<p>Number: indicates the registered sensor number; hexadecimal. The value ranges from 1 to 254.</p> <p>Result: Decimal. 1 indicates deletion succeeded. 2 indicates that the number does not exist. 3 indicates deletion failed.</p> <p>To delete all registered temperature sensors, send command C41 only. If deletion is successful, OK is returned. If not, Error is returned.</p>
Applicable Model	MVT600/T1/T333/MVT800/T3
Example	
GPRS Sending	@@n28,012896001078259,C41,01*19\r\n
GPRS Reply	\$\$n30,012896001078259,C41,01,1*37\r\n

3.41 Reading the Temperature Sensor SN and Number (MVT600/T1/T333/MVT800/T3) – C42

GPRS Setting	C42
GPRS Reply	C42,SN1 and number 1,SN2 and number 2,...SNn and number n
Description	<p>SNn: indicates the n(th) sensor SN, and has eight bytes in hexadecimal format.</p> <p>Number n: indicates the n(th) sensor number, and has one byte in hexadecimal format.</p> <p>The value ranges from 0 to 255. If the value is 0, the temperature sensor is not registered.</p>
Applicable Model	MVT600/T1/T333/MVT800/T3
Example (ASCII is used to display examples because hexadecimal characters cannot be displayed.)	
GPRS Sending	@@m25,012896001078259,C42*89\r\n
GPRS Reply	\$\$t45,012896001078259,C42,(B4v#040000R00,(1BD5#040000W00*13\r\n

3.42 Setting a Temperature Value for the High/Low Temperature Alarm and Logical Name (MVT600/T1/T333/MVT800/T3) – C43

GPRS Setting	C43,Number 1/SN1/High temperature value 1/Low temperature value 1/High temperature alarm 1/Low temperature alarm 1/Logical name 1/...Number n/SNn/High temperature value n/Low temperature value n/High temperature alarm 1/Low temperature alarm 1/Logical name n
GPRS Reply	C43,Number 1/Result 1/Number 2/Result 2.../Number n/Result n
Description	<p>n: The maximum value is 8.</p> <p>Number: one byte in hexadecimal format.</p> <p>SN: indicates the temperature sensor SN, and has eight bytes in hexadecimal format.</p> <p>High/Low temperature value: two bytes in hexadecimal format. The first byte is the integer part. When the high bit is 1, the first byte is a negative integer. When the high bit is 0, the first byte is a positive integer. The second byte is the decimal part.</p>

	<p>High temperature alarm: one byte in hexadecimal format.</p> <p>Low temperature alarm: one byte in hexadecimal format.</p> <p>Logical name (customized name): 16 bytes in hexadecimal format. If the name length is less than 16 bytes, add 0x00. There are 15 English characters, and # is located at the end of English characters to distinguish the Unicode and English characters. A maximum of eight Chinese characters can be supported. Chinese characters must be the Unicode.</p> <p>Result: one byte in hexadecimal format. 0x01 indicates setting succeeded. 0x02 indicates that the number is not located. 0x03 indicates that setting failed due to wrong parameters.</p> <p>Note: Separators (/) are not required between parameters.</p>
Applicable Model	MVT600/T1/T333/MVT800/T3
Example (ASCII is used to display examples because hexadecimal characters cannot be displayed.)	
GPRS Sending	@@o57,012896001078259,C43,01(1BD5#040000W<0005000101T1#00000000000000000000000000*3F
GPRS Reply	\$\$o28,012896001078259,C43,0101*85

3.43 Reading Temperature Sensor Parameters (MVT600/T1/ T333/MVT800/T3) – C44

[illegible]