

AM01 Electronic Monitoring Anklet Command List

Query commands:			
1	VERSION	Query the version	Example return: [VERSION]GT06B_10_8MM_B25_V11_LA [BUILD]2013/01/04 17:45
2	PARAM	Query parameter settings	Example return: IMEI:868120103643505;TIMER:20,20; SENDS:5; SOS:13730454825,;; Center Number;; Sensorset:10,1,5,1; Defense time:10; TimeZone:E,8,0;
3	GPRSSET	Query GPRS parameters	Example return: GPRS:ON; APN:CMNET,;; Server:1,hgt06.szdatasource.com,8841,0; URL:http://maps.google.com/maps?q=;
4	STATUS	Query statuses	Example return: Battery:3.41V,Battery too low! Warning; GPRS:Link Up; GSM Signal Level:Strong; GPS:Successful positioning, SVS Used in fix:10(11), GPS Signal Level:32,31,32,31,28,29,29,36,32,33; ACC:OFF; Defense:OFF
5	ASETAPN	Query APN adaptation status.	ASETAPN:ON; Currently Used APN:cmnet, UserName:, Password:
6	ASETGMT	Whether to enable time zone adaptation	ASETGMT:ON; Current Timezone(GMT):E,8,0
7	TASK,A#	Prevent alarm before formal operation	A=ON device has been enabled, which will generate an alarm B=OFF device is not enabled, no alarm will be generated, default is OFF
The above examples are for reference only.			
Setting and query commands:			
1	APN	Set APN parameters	APN,<network name># APN,<network name>[,username][,user password]# Use self-defined APN parameters to disable APN adaptation. APN# Query current APN parameters.

2	ASETAPN	Whether to enable APN adaptation	<p>ASETAPN,<X># X=ON/OFF; ON: Enable APN adaptation; OFF: Disable APN adaptation</p> <p>ASETAPN# Query the APN adaptation status.</p>
3	ASETGMT	Whether to enable time zone adaptation	<p>ASETGMT,<X># X=ON/OFF; ON: Enable time zone adaptation; OFF: Disable time zone adaptation</p> <p>ASETGMT# Query current time zone adaptation parameters.</p>
4	SERVER	Set the parameters of the background server.	<p>SERVER,1,<domain name>,<port>[,0]# SERVER,0,<IP>,<port>[,0]# The 3rd parameter: 0: TCP (default); 1: UDP</p> <p>SERVER# Query current parameters.</p>
5	BSERVER	Set the parameters of the backup server.	<p>BSERVER,1,<domain name>,<port>[,0]# BSERVER,0,<IP>,<port>[,0]# The 3rd parameter: 0: TCP (default); 1: UDP</p> <p>BSERVER# Query current parameters.</p>
6	GMT	Set the time zone	<p>GMT,<A>,[,C]# A: E/W; E for eastern time zone, W for western time zone; default: E B=0-12; time zone; default: 8 C=0/15/30/45; half-hour time zone; default: 0</p> <p>GMT# Query current parameters.</p>
7	LOCKIP	Whether to lock domain name or IP	<p>LOCKIP# APN is locked.</p> <p>QLOCKIP# Query the lock status of the current domain name of the device.</p>
8	FACTORY	Restore to factory settings (for customer)	<p>FACTORY# Restore to factory settings (Restore all command parameters except domain name/APN/locked domain name).</p>

9	FACTORYALL	Restore to factory settings	FACTORYALL# Restore all parameters to factory settings (that is, default command parameters after software programming).
10	EURL	Edit location query link.	EURL,network link# Set the coordinates link; default: http://maps.google.com/maps?q= EURL# Query the current setting.
11	LANG	Set the language	LANG,X# X=0/1; 1: Chinese, 0: English; Default (Chinese Version): 1 LANG# Query the current setting.
12	RESET	Restart the device	RESET# The device restarts 20 seconds later after receiving the command.
13	LINK	Set the count of GPRS connection retries.	LINK,N# N=1–10; retry count; default: 3; LINK# Query the current value.
14	HBT	Set the interval for sending heartbeat packets.	HBT,T# T1=5–20 minutes, the interval for sending heartbeat packets; default: 5; HBT# Query the current value of T.
15	CLEAR	Clear backup data.	CLEAR#
16	PWDSW	Whether to enable the command password feature	PWDSW,<A># A=ON PWDSW,<A>,# A=Range of the command password that can be a combination of numbers and letters; min. 1 character, max. 19 characters; default: 666666 B=OFF PWDSW# Query whether the command password features is enabled.
17	PASSWORD	Modify the command password	PASSWORD,<A>,# A=Range of the old command password that can be a combination of numbers and letters; min. 1 character, max.

			19 characters; default: 666666 B=Range of the new command password that can be a combination of numbers and letters; min. 1 character, max. 19 characters.
18	RECOVER	Recover to the default password	SUPER,RECOVER# Recover to default user password.
19	SHUTDOWN	Shut down the device remotely	SHUTDOWN# Shut down the device remotely.
20	PWRLIMIT	Set a limit on the power switch	PWRLIMIT,ON# X=ON/OFF; ON: Power-off is not allowed; OFF: Power-off is allowed; default: OFF PWRLIMIT# Query the current setting.
21	MSERVER	Set the AMS.	MSERVERn,1,<domain name>,<port>[,0]# MSERVERn,0,<IP>,<port>[,0]# n=1–4 MSERVER# Query domain names of all AMS servers. MSERVERn# n=1–4 Query the domain name of the nth AMS server.
22	ICCID#	Query the ICCID by roll call.	ICCID# Query the ICCID of the SIM card of the device.
23	IMSI	Query the IMSI of the SIM card of the device.	IMSI# Query the IMSI of the SIM card of the device.
24	SV	Set parameters for uploading the information about GPS satellites.	SV<,A>[,T1][,T2]# A=ON/OFF; default: OFF T1=5–18000; unit: second; default: 10 T2=0–3600; unit: minute; default: 5 SV,OFF# Disable GPS information upload. SV# Query parameter settings.
25	CXSV	Query the information about GPS satellites by	CXSV# Query the information about GPS satellites by roll call

		roll call	
26	CHECK	Enable self-check.	CHECK# Query the following information: IMEI, version, domain name and port, IP, APN, CSQ, GPRS connection, GPS quantity and signal strength, battery voltage, voltage of the external power, upload interval, SOS numbers, the center number, familiarity numbers, ICCID, URL, battery temperature, etc.
27	LOGREP	Record exception logs	LOGREP,A# A=ON/OFF; ON: Enable the exception log feature, OFF: Disable the exception log feature; default: OFF; LOGREP# Query current parameters.
28	WIFION	Report WiFi hotspots by roll call	WIFION# Report WiFi hotspots by roll call
29	LJDW	Fix a position immediately	LJDW# Fix a position immediately.
30	GPSMODE	Set the positioning mode	GPSMODE,A# A=0-2; 0: BDS; 1: GPS (default); 2: GPS+BDS GPSMODE# Query the current setting.
31	VIBL	Set the sensitivity level for the sensor	VIBL,A# A=H/M/L H, M, and L correspond to three knocking strengths: high, medium, and low, which are determined by tests. Default: M. VIBL# Query the sensitivity level.
32	KNOCKSET	Set the parameters for knocking strength test.	KNOCKSET,N,T1,T2# N=2-10; the knocking count; default: 3 ; T1=3-10; unit: second; the knocking test time; default: 5; T2=1-300; unit: second; silent duration for impact alert; default: 30. KNOCKSET# Query the current parameters.
33	WARNING	Active alert (the speaker sounds an alert)	WARNING# The device sounds an alert (the alert will sound for two rounds)

34	MUTESW	Whether to mute the speaker.	MUTESW,A# A=ON/OFF; ON: Disable the speaker (mute); OFF: Enable the speaker (unmute); default: OFF. MUTESW# Query the mute status of the speaker.
35	WARNON	Enable the voice alert	WARNON# This command will trigger the anklet to voice the alert sound unstopably until a stop command or a task end command is received.
36	WARNOFF	Dismiss the voice alert	WARNOFF# Stop the broadcast of the alert sound.

Note:

For online commands, replies are in English (except for situations when the reply contains information related to forwarding).

Commands with "SUPER" headers are privileged commands. The format is:

SUPER,command (with #)

New commands and supplementary commands to PT01 (which can be set via the platform or SMS)

No.	Feature	Description	Command	Remarks
1	Temperature measurement	Set the count and timer for uploading temperature data	TEMP_TIMER,A,B...# A is the count for uploading temperature data in a fixed interval; value range: $1 \leq A \leq 10$ B is the time for starting the upload (on 24-hour clock) The device uploads the temperature data in the preset time. For example: temp_timer,1,11:00# In this case, the device uploads the temperature data once a day at 11:00. temp_timer,2,11:00,13:00# In this case, the device uploads the temperature data twice a day, that is, at 11:00 and 13:00	The temperature data will be uploaded to the platform at a fixed time.

			respectively.	
2		Set the range for triggering the temperature exception alert	TEMP_RANGE,A,B,C# A–B: Temperature range; the device deems a temperature value in this range as an exception; default: 35, 37.3; C: the time to sound the alert; default: 60. Return: OK!	The temperature exception alert is enabled during the timed upload of the temperature data. If a temperature exception is detected, then the device sounds an alert.
3		Query the temperature	TEMPERATURE#	Deliver this command to enable the temperature sensor to get the temperature data.
4	Mode settings	Timed positioning mode	MODE,1,[T]# T: The interval for uploading GPS packets Range: 0 (Do not upload); 5–18000s (default: 10s) Return: OK!	1) When T is set to a non-zero value, then GPS is always open; 2) When T is set to "0", then GPS is disabled and the WiFi positioning is enabled.
		Smart positioning mode (default)	MODE,2,[T]# T: The interval for uploading GPS packets Range: 0 (Do not upload); 5–18000s (default: 10s) Return: OK!	1) When T is set to a non-zero value, then the GPS will be enabled for 2 minutes if 3 or more valid vibrations are detected in 10s. In the 2-minute enablement duration, if other valid vibrations are detected, then the duration will be delayed for 2 minutes; otherwise, after 2 minutes, the GPS module, WiFi positioning, and LBS positioning will be disabled. 2) When T is set to "0", then the GPS will not be enabled even when 3 valid vibrations are detected in 10s and the WiFi positioning will be enabled.

5	WiFi positioning	Set WiFi-related parameters	WF,[T1]# T1: The interval for enabling WiFi. Range: 0/5–18000s (default: 10s). Return: OK!	1) When T1 is set to a non-zero value, the device enables its WiFi to search for WiFi hotspots. If any hotspot is searched, then the device upload a WiFi packet; if no hotspot is searched, then the device keeps searching for WiFi hotspots and enables the LBS positioning. 2) When T1 is set to "0", the device enables the LBS positioning directly.
6		Upload WiFi location packets	WIFION#	Enable the WiFi search feature, wherein the enablement interval is 10s. After that, the WiFi is disabled and the device will upload the searched hotspots to the platform. If no WiFi hotspot is searched, then no location packets will be uploaded and the device will enable the LBS positioning.
7	LBS positioning	Set LBS-related parameters	LBSON,[T2]# T2: The interval for uploading LBS location packets. Range: 0/5–18000s (default: 10s). Return: OK!	1) When T2 is set to a non-zero value and there are LBS signals, then the LBS location packets will be uploaded. If there are no LBS signals, then the upload will not be launched. 2) When T2 is set to "0", then no LBS location packets will be uploaded.
8	AGPS settings	Set AGPS functions	AGPS,ON/OFF# default: ON	Each time after the positioning module is started, if the ephemeris of the positioning module is expired (which is set according to actual conditions), you can send a request to get the AGPS ephemeris data to download the latest ephemeris data to speed up the position fix.

9	SOS number addition and deletion	Set and delete SOS numbers	<p>Add SOS numbers: SOS,A,Number1# //Set SOS number 1// SOS,A,,Numbe2# //Set SOS number 2// SOS,A,,,Numbe3# //Set SOS number 3//</p> <p>Delete SOS numbers: SOS,D,1# //Delete SOS number 1// SOS,D,2# //Delete SOS number 2// SOS,D,3# //Delete SOS number 3/ SOS,D,1,2# //Delete SOS numbers 1 and 2 at the same time// SOS,D,Number# //Delete a specific SOS number//</p>	No requirements are set for the demo software.
10	Commands related to the command password switch and operations	Whether to enable the command password feature	<p>PWDSW,ON# Enable the command password feature</p> <p>PWDSW>Password,OFF# Disable the command password feature; default: OFF Default user password is: 666666</p>	<p>Note: Commands with "SUPER" headers have the highest privileges, so they can bypass the password restriction to set and query any parameters. Currently, no requirements are set for the demo software.</p>
11		Modify the user password	<p>PASSWORD,old password,new password# Restore to the default user password. This command is useful when a user has forgotten its password. SUPER,RECOVER#</p>	

Command List for AT4H Bluetooth Base Station

Query commands:			
1	VERSION	Query the version	Example return: [VERSION]GT06B_10_8MM_B25_V11_LA [BUILD]2013/01/04 17:45
2	PARAM	Query parameter settings	Example return: IMEI:868120103643505;SENDS:5; SOS:13730454825,,;Center Number;; Sensorset:10,1,5,1; Defense time:10; TimeZone:E,8,0;MODE,3,10
3	GPRSSET	Query GPRS settings	Example return: GPRS:ON; APN:CMNET,,; Server:1,hgt06.szdatasource.com,8841,0; URL:http://maps.google.com/maps?q=;
4	STATUS	Query the status	Example return: Battery:3.41V,Battery too low! Warning; GPRS:Link Up; GSM Signal Level:Strong; GPS:Successful positioning, SVS Used in fix:10(11), GPS Signal Level:32,31,32,31,28,29,29,36,32,33; ACC:OFF; Defense:OFF
5	ASETAPN	Query APN self-adaptation status	ASETAPN:ON; Currently Used APN:cmnet, UserName:, Password:
The above examples are for reference only.			
6	ASETGMT	Query time zone adaptation status	ASETGMT:ON; Current Timezone(GMT):E,8,0
Setting and query commands:			
1	APN	Set APN parameters	APN,<network name># APN,<network name>[,username][,user password]# Use self-defined APN parameters to disable APN self-adaptation. APN# Query current APN parameters.
2	ASETAPN	Whether to enable APN self-adaptation	ASETAPN,<X># X=ON/OFF; ON: Enable APN self-adaptation; OFF: Disable APN self-adaptation ASETAPN# Query APN self-adaptation status

3	ASETGMT	Whether to enable time zone adaptation	ASETGMT,<X># X=ON/OFF; ON: Enable time zone adaptation; OFF: Disable time zone adaptation ASETGMT# Query current time zone adaptation parameters.
4	SERVER	Set the parameters of the background server.	SERVER,1,<domain name>,<port>[,0]# SERVER,0,<IP>,<port>[,0]# The 3rd parameter: 0: TCP (default); 1: UDP SERVER# Query current parameters.
5	GMT	Set the time zone	GMT,<A>,[,C]# A: E/W; E for eastern time zone, W for western time zone; default: E B: 0–12; time zone; default: 8 C: 0/15/30/45; half-hour time zone; default: 0 GMT# Query current parameters.
6	LOCKIP	Whether to lock domain name or IP	LOCKIP# APN is locked. QLOCKIP# Query the lock status of the current domain name of the device.
7	FACTORY	Restore to factory settings (for customer)	FACTORY# Restore to factory settings (Restore all command parameters except domain name/APN/locked domain name).
8	FACTORY ALL	Restore to factory settings	FACTORYALL# Restore all parameters to factory settings (that is, default command parameters after software programming).
9	LANG	Set the language	LANG,X# X=0/1; 1: Chinese, 0: English; Default (Chinese Version): 1 LANG# Query the current setting.
10	GPRSON	Whether to enable GPRS.	GPRSON,X# X=0/1; 1: Enable GPRS, 0: Disable GPRS; Default: 1 GPRSON# Query the current setting.
11	RESET	Restart the device	RESET# The device restarts 20 seconds later after receiving the command.
12	LINK	Set the count of GPRS connection retries	LINK,N# N=1–10; retry count; default: 3; LINK# Query the current value of N.

13	GPRSALM	Whether to send an alarm when GPRS is blocked.	GPRSALM,<X># X=ON/OFF; default: OFF GPRSALM# Query the current setting.
14	SOS	Set SOS numbers	SOS,<A>,<number 1>[,number 2][,number 3]# Add SOS numbers. SOS,<D>,<number sequence 1>[,number sequence 2][,number sequence 3]# Delete the SOS number by the number sequence. SOS,<D>,<phone number># Delete the SOS number by full match to the phone number. SOS# Query the current SOS numbers.
15	HBT	Set the interval for sending heartbeat packets.	HBT,T# T1=1–300 minutes, the interval for sending heartbeat packets; default: 3; HBT# Query the current value of T.
16	SENSOR	Set vibration detection parameters.	SENSOR,<A>[,B][,C]# A=10–300 seconds; detection time; default: 10 B=10–300 seconds; alarm delay; default: 10 C=1–3000 minutes; vibration alert interval; default: 5. SENSOR# Query the current setting.
17	SENALM	Set vibrating alert.	SENALM,<A>[,M]# A=ON/OFF; default: ON. M=0–3; alert report method; 0: GPRS, 1: SMS+GPRS, 2: GPRS+SMS+call, 3: GPRS+call; default: 1 SENALM,OFF# Disable vibrating alert SENALM# Query the current parameters.
18	BATALM	Set the alert for low battery	BATALM,<A>[,M]# A=ON/OFF; default: ON M=0–3; notification sending method; 0: GPRS, 3: SMS+GPRS, 2: GPRS+SMS+Call, 3: GPRS+Call; Default: 1; BATALM,OFF# Disable the alert for low battery and power-off. BATALM# Query current parameter.

19	CALL	Set the redial count.	CALL,N# N=1–3; default: 3; This applies to all emergency calls. CALL# Query the current parameter.
20	PWDSW	Whether to enable the command password feature	PWDSW,<A># A=ON PWDSW,<A>,# A=Range of the command password that can be a combination of numbers and letters; min. 1 character, max. 19 characters; default: 666666 B=OFF PWDSW# Query whether the command password feature is enabled.
21	PASSWORD	Modify the command password	PASSWORD,<A>,# A=Range of the old command password that can be a combination of numbers and letters; min. 1 character, max. 19 characters; default: 666666 B=Range of the new command password that can be a combination of numbers and letters; min. 1 character, max. 19 characters.
22	RECOVER	Recover to the default password	SUPER,RECOVER# Recover to default user password
23	FW	Forward via SMS.	FW,<A>,# A=Phone number of the receiver; B=Contents for sending.
24	BOOTALM	Set power-on notification.	BOOTALM,<A>[,<M>]# A=ON/OFF; default: OFF M=0–1; alarm report method; 0: GPRS, 1: SMS+GPRS; Default: 0 BOOTALM,OFF# Disable power-off notification. BOOTALM# Query the current parameters.
25	PWRLIMIT	Set a limit on the power switch	PWRLIMIT,ON# X=ON/OFF; ON: Power-off is not allowed; OFF: Power-off is allowed. PWRLIMIT# Query the current setting.
26	REMARM	Taken off alert	REMARM,<A>[,<M>]# A=ON/OFF; default: ON M=0–1; alert report method; 0: GPRS, 1: SMS+GPRS; REMARM,OFF#

			<p>Disable taken off alert; default: 0</p> <p>REMALM#</p> <p>Query current parameters.</p>
27	SMSTC	Whether to enable SMS transparent transmission.	<p>Default: ON</p> <p>SMSTC,1# Enable SMS transparent transmission</p> <p>SMSTC,0# Disable SMS transparent transmission</p>
28	REMALMF	Cover removed alert	<p>REMALMF,<A>[,M]#</p> <p>A=ON/OFF; default: ON.</p> <p>M=0/1; alert report method; 0: GPRS, 1: SMS+GPRS; Default: 0</p> <p>REMALMF,OFF#</p> <p>Disable cover removed alert. The GSM will send a command to the MCU to notify of the disablement. Then the MCU will no longer respond to the key press interruption.</p> <p>REMALMF#</p> <p>Query the current parameters.</p>
29	PWROFFALM	Power-off alert	<p>X=ON/OFF; ON: Enable power-off notification; OFF: Disable power-off notification; default: ON</p> <p>M=0/1; alert report method; 0: GPRS, 1: SMS+GPRS; Default: 0</p>