MICODUS®

MV401G Full SMS Commands List

No.	Function	Command Format	Reply	Explanation
1	APN Setting	APN,Network name[,name,password]#	SET APN OK	APN,CMNET# (if no name & Password) APN,internet,internet,internet# (if with name & Password)
2	Server Setting	SERVER,"URL,Port"#	SET SERVER OK	SERVER,"TCP://hzgps.sky200.com:32001"# SERVER,"UDP://hzgps.sky200.com:32008"#
3	Data Upload Time Interval	COLLECT,[Interval],[Distance],[Turn], [Active],[Quantity]#	SET COLLECT OK	Parameter: [INTERVAL] The time interval (in seconds) [DISTANCE] The running distance (in meters) [TURN] The turning angle (in degrees) [ACTIVE] The time interval when device is moving/active (in seconds) [QUANTITY] The number of cached location packages before they are sent Examples: 1. COLLECT,120,200,40,30,1# Device will gather a data per 120s when device is satic, or per 30s when device is moving, or it has more than 200m movement, or it has an 40 ° angel; Upload data package after gathering 1 data. 2. COLLECT,0,300,40,30,5# COLLECT,0,300,40,30,5# Device will gather a data per 30s when device is moving, or it has more than 300m movement, or it has an 40 ° angel; Upload data packages after gathering 5 data. 0 means device will not gather any data when it's satic. 3. COLLECT,30# = COLLECT,30,0,0,30,1# Device will gather data every 30s and upload them after gathering 1 data. Ignore it's motion state, movement distance and turning angle.
4	Time Zone Setting	GMT,[E/W],[HOUR],[MINUTE],[DST]#	SET GMT OK	Parameter : [E/W] Which globe — E: East W: West [HOUR] Hour part of time difference — -12 ~ 12 [MINUTE] Minute part of time difference—0,15,30, 45 Examples: 1. GMT,E,8# 2. GMT,W,9,30#
5	Language Setting	LANG,[LID]#	SET LANG OK	Examples: 1. LANG,1#(Chinese) 2. LANG,0#(English)
6	Mileage	MILEAGE,[MILEAGE]#	SET MILEAGE OK	Examples: MILEAGE,2000# Initialize the mileage in device to 2000 km, Mileage will be increased automatically when GPS is fixed.
7	Add Manager Number	MANAGER,[INDEX],[NUMBER],[ALIAS]#	SET MANAGER OK	Parameter: [INDEX] The index of manager — Integer, 1 - 4 [NUMBER] The phone number of manager [ALIAS] The alias of Examples: 1. MANAGER,1,13012345678# Add/change the 1st manager to 13012345678 without alias 2. MANAGER,2,13011112222,MUM# Add/change the 2nd manager to 13011112222 with an alias 3. MANAGER,3,13033334444,DADDY# Add/change the 3rd manager to 13033334444 with an alias 4. MANAGER,1# Remove the first manager 5. MANAGER,0# Remove all managers
8	Working Mode Setting	GPS,[MODE],[T0],[T1_TOTAL],[T1_WAKING] ,[T2_PERIODIC], [T2_WAKING]#	SET GPS OK	Parameter: [MODE] The work mode — GPS Module will 0 — ALWAYS ON; 1 — ON/OFF by MOVEMENTS Or ON TIMERS; 2 — ON TIMERS ; 3 — ALWAYS OFF [T0] The work time after GPS module is awaken (in seconds) [T1_TOTAL] The total time of phase 1 (in minutes) [T1_WAKING] The work time in phase 1 (in minutes) [T2_PERIODIC] The periodic time of phase 2 (in minutes) [T2_WAKING] The work time in phase 2 (in minutes) [GPS_RUN] The running time from last GPS command (in minutes) Example: 1. GPS,0# GPS module is always ON. 2. GPS,3# GPS module is always OFF. 3. GPS,1,120,0,0,60,5# GPS module is ON when device is moving or GPS is ON for 5min every 60min when device is static. 4. GPS,2,120,0,0,60,5# GPS module is circularly ON for 5min every beginning of 60min 5. GPS,2,120,100,10,60,5# In the first stage, GPS module will ON for 10min, then OFF 90min, the whole time of this stage is 100min. In the second stage, GPS module will ON for 5min every beginning of 60min and cycling.
9	Speed Alarm Setting	SPEED,[LOW],[HIGH],[OVER]#	SET SPEED OK	Parameter: [LOW] The low limit of the speed (in km/h) [HIGH] The high limit of the speed (in km/h) [OVER] The speed threshold (in km/h) over which the device will drive the relay Example: 1. SPEED,30,0# Enable under-speed warning when speed is less than 30km/h 2. SPEED,0,100# Enable over-speed warning when speed is more than 100km/h 3. SPEED,30,100# Enable both under-speed 30km/h warning and over-speed 100km/h warning 4. SPEED,30,100,120# Enable both under-speed warning and over-speed reaction, Drive relay off when the speed is over 120km/h and recover it when speed under 120km/h
10	Heartbeat Packet Upload	HBT,time#	SET HBT OK	HBT,3# NOTE: Function see EELINK Protocol Range :1-60min, default 3min.
11	Add Geo-fence	FENCE,[INDEX],[FLAG],[LNG0],[LAT0],[RADIUS]#	SET FENCE OK	Parameter: [INDEX] The index of fence — Integer, 0 - 8 [FLAG] The type and shape of fence — String, each char represents an attribution, as following type N/A — Fence is disabled O — Out-type fence I — In-type fence C — In or Out fence(Bidirectional / Across) R — Round fence S — Rectangle fence [LNG0],[LAT0] Longitude & Latitude of the center of round fence [RADIUS] Radius of the round fence (in meters) [LNG1],[LAT1] Longitude & Latitude of the left-top corner of rectangle fence [LNG2],[LAT2] Longitude & Latitude of the right-bottom corner of rectangle fence Example: 1. FENCE,1,OR,113.5,22.5,500# Setup 1st fence (Out-type, Round) round specific position, Radius=500m 2. FENCE,2,IR,113.5,22.5,600# Setup 2nd fence (In-type, Round) round specific position, Radius=600m 3. FENCE,3,CR,113.5,22.5,700# Setup 3rd fence (In & Out type, Round) round specific position, Radius=700m 4. FENCE,4,OS,113.5,22.5,113.8,22.8# Setup 4th fence (Out-type, Rectangle) as a rectangle from 113.25,22.5 to 113.28,22.8
12	Delete Geo-fence	FENCE,0# or FENCE,N#		FENCE,1# Remove the 1st fence FENCE,0# Remove all fences
13	Vibration Alarm Setting	MOTION,sensitivity,duration#		Example: 1. MOTION,2,5# NOTE: Sensitivity Level: 0-9 (1-9 is from week to strong vibration; 0 means close Vibration alarm,) Duration time: 0-60 seconds 2. MOTION# Disable motion warning
14	Shift Alarm Setting	SHIFT,shift range#		SHIFT,100# Means Setting 100 meters shift alarm range, when the ignition turned off, vehicle's 100 meters' shift will trigger the alarm.
15	Close Shift Alarm	SHIFT,0#		
16	Cut off/Restore Oil/Power	RELAY,[PATTERN]#	RELAY OK	Parameter: [PATTERN] 0: Disable relay 1: Enable relay immediately 2: Enable relay safely [STATE] ON/OFF For Example: 1. RELAY,1# [PATTERN] is set to 1, the relay command will be executed immediately. 2. RELAY,2# [PATTERN] is set to 2, the relay command will be executed safely. The vehicle is safe only when the speed is lower than 20km/h if GPS is fixed, or the vehicle is stationary if GPS is not fixed. 3. RELAY,0# Recover the relay.
17	Restart	RESET#	RESET OK	
18	Restore factory settings	FACTORY#	FACTORY OK	
19	Version Inquiry	VERSION#	Device Reply Example: IMEI:354188046912460 IMSI:9460025500276617 ICCID:898602A51314F1298017 SYSTEM:M6000_V1.8.7 VERSION:MXAPP_V2.0.2 BUILD:OCT 19 2016 16:31:00	
20	Parameter Inquiry	PARAM#	Device Reply Example: IMEI:354188046912460 APN:CMNET IP:HKGPS.SKY200.COM:32001 TIMER:30,1 CENTER: SOS:13267052361,. LANG:CN GMT:E8.00 SAVING:1	
21	Status Inquiry	STATUS#	Device Reply Example: BATTERY:100% GPRS:SUCCESS GSM:HIGH GPS:FIXED,10 ACC:OFF RELAY:OFF POWER:OK MS:LIS3DH	BATTERY: XX% (Built-in Battery Power Percent) GPRS: CLOSED (No Network) FAILED (Connecting Network or Failure) SUCCESS (Connected to Network) GSM: NONE (No GSM Signal) HIGH / MED / LOW (Signal Strength) 18 GPS: CLOSED (GPS Module Closed) FIXED,N (Positioned and satellite number) UNFIX,0 (Not Positioned yet) ACC: ON / OFF (ACC on or off) RELAY: ON / OFF (Relay on or off) POWER: OK / NC (Power Connected or Break) MS: LIS3DH (Motion Sensor type or No display if device don't have that component)
22	Latitude&Longitude Inquiry	WHERE#	Lat:N22.55552 Lon:E113.94014 Course:0.0 Speed:0.2km/h DateTime:2019-05-02 22:19:14	[LATITUDE] The latitude (in degrees) [LONGITUDE] The boot-up count [COURSE] The moving course [SPEED] The moving speed (in km/h) [DATETIME] Total amount of upload data
23	Edit Map URL	EURL,webmap url#	SET EURL OK	EURL,http://maps.google.com/ maps?q=#
24	Map URL Inquiry	URL#	http://map.google.com/?q=22,557868, 113.935090 <0,0km/h 0,0> <2014-12-12 07:32:13> IMEI:354188047752402	
25	Address Inquiry	POSITION#	Device Reply Example: 3 Songpingshan Qimin Road, Nanshan, Shenzhen, Guangdong, China, 518057	This command requests to return the recent address of device. After user requests the recent address, device will send current coordinates to server and then server will return address. If server is not accessible or server does not return it, device will reply Google URL to user. NOTE: Reply message's language is determined by device's language setting, if get position content failed, device will reply Google Map location link.
26	SMS Forwarding	FW,forwarding number,content#		FW,10086,CXYE# FW,10010,CXHF# When receives this command, device will send a SMS to forwarding number with the content, If get a reply from forwarding number in 5 minutes , device will forward the reply to the command sender, The command usually be used for check the balance of SIM card.