

Module	Command Category	Command Function	Format	Comment	Web	SMS	TF
Device Management	APN settings	Add an APN	<b>APN</b> ,<A>,<B>	A=Name of the AP B=Address of the AP	✓	✓	✓
		Add an APN (in detail)	<b>APN</b> ,<A>,<B>,<C>,<D>,<E>,<F>,<G>,<H>,<I>,<J>,<K>,<L>,<M>,<N>	A=Name / B=APN / C=MCC / D=MNC E=Type / F=Proxy / G=Port / H=User I=Server / J=Password / K=mmsc / L=mmsproxy / M=mmsport / N=numeric When only A, B, C, and D are required to be set for the APN, you can deliver it as a simple parameter; while if more parameters ("E" and these following it) are required to be set, commas (,) should be used to separate these parameters.	✓	✓	✓
	Roaming	Enable or disable roaming	<b>ROAMING</b> ,<A>	A= <b>ON/OFF</b> It is the roaming switch.	✓	✓	✓
	WiFi hotspot	Turn on/off the WiFi hotspot	<b>WIFIAP</b> ,<A>	A= <b>ON/OFF</b> It is the WiFi switch.	✓		
	Volume settings	Set the volume of the device	<b>VOLUME</b> ,<A>	A=0/1/2/3; It defines the volume level of the device. 0-Mute, 1-Low, 2-Mid, 3-High	✓	✓	✓
	Voice prompt language	Change the language of the voice prompt	<b>VOICESW</b> ,<A>	A=0/1/2/3/4/5/6/7/8; It defines the language of the voice prompts given out by the device, wherein: <b>0-English</b> , 1-Chinese, 2-Thai, 3-Arabic, 4-British English, 5-Russian, 6-Portuguese, 7-Spanish, 8-Indonesian	✓	✓	✓
	Device LEDs	Set the device LEDs	<b>LED</b> ,<A>	A= <b>ON/OFF</b> It defines whether to light on LEDs (all-day).	✓	✓	✓
	Clock synchronization	Set the time zone	<b>TIMEZONE</b> ,A#	A=Time zone Input a time zone, such as <b>+08:00</b>			
	Admin password	Change the password	<b>PASSWORD</b> ,<A>,<B>	A=Old password, which is required or the set will fail B=New password, which should be 6 digits	✓	✓	✓
	Basic information and maintenance of the device	Query the firmware version	<b>VERSION</b>	View the device's firmware version	✓	✓	✓
		Restore to factory settings	<b>RESTORE</b>	<b>Restore the device to the factory settings, where all parameters are reset to the original values. If your device is of the integrated edition, proceed with caution!</b>	✓	✓	✓
		Restart the device	<b>REBOOT</b>	Restart the device once	✓	✓	✓
		Query the device status	<b>STATUS</b>	Query the GPRS status, GSM status, GPS status, ACC status, and the network mode of the device.	✓	✓	✓
		Query the parameters	<b>PARAM</b>	Query the IMEI, location mode, and time zone of the device	✓	✓	✓
	Communication with Platform	Test the connectivity	<b>PING</b> ,<A>,<M>	A= <b>ON/OFF</b> ; M=10 ON: Enable the ping; OFF: Disable the ping M: The minimum time interval is 10s		✓	
		Modify the HTTP address	<b>UPLOAD</b> ,<A>	A=HTTP address. <b>Note: Before switching the device to the integrated version, you must first do the followings in the strict order: switch the working logic, modify the addresses of HTTP and RTMP servers, and modify the address of the TCP server.</b>	✓	✓	✓
		It defines the mechanism to deal with such a situation as the platform doesn't respond after the device uploads data over HTTP.	<b>HTTPUPLOADLIMIT</b> ,<A>,<B>	A=1-10. It specifies the retry count. Default: 5 B=1-30 (minutes). It specifies the interval between each retry. Default: 3.	✓	✓	✓
		Settings	<b>FILELIST</b> ,<A>	A=URL to receive history videos			
		Set the address of the TCP server	<b>SERVER</b> ,<M>,<A>,<P>	M=0/1. It refers to the address type, wherein "0" refers to "IP" and "1" "domain name". A=Server address (IP or domain name) P=Server port The device will restart after the address of the TCP server is changed. <b>Note: Before switching the device to the integrated version, you must first do the followings in the strict order: switch the working logic, modify the addresses of HTTP and RTMP servers, and modify the address of the TCP server.</b>	✓	✓	✓
		Set the address of the RTMP server	<b>RSERVICE</b> ,<Address>	"Address" refers to the address of the RTMP server. <b>Note: Before switching the device to the integrated version, you must first do the followings in the strict order: switch the working logic, modify the addresses of HTTP and RTMP servers, and modify the address of the TCP server.</b>	✓	✓	✓
Settings	<b>SERVER</b> ,<A>	A=Code of the platform [PRO=Distributed TrackSolid; EN=TrackSolid for global users; CN=tujiangshixun (途强视讯)]	✓	✓	✓		
Video Recording	Parameter settings	Whether to record audio along with the video	<b>RECORDAUDIO</b> ,<A>	A=0/1; Whether to record audio while recording the video (input a number) 0-Off, 1-On	✓	✓	✓
		Set the independent switch for a camera	<b>RECORDSW</b> ,<A>,<B>	A=1/2; It defines which camera will be configured with an independent switch (input a number). <b>1-Main camera, 2-Sub camera</b> B=0/1; It is the switch to control the selected camera. 0-Disable, 1-Enable	✓	✓	✓
	Image setting	Whether the mirroring of the backup camera (rear-view)	<b>MIRROR</b> ,in,<A>	A=Whether to enable the mirroring of the backup camera (rear-view) <b>ON/OFF</b>	✓	✓	✓
		Set the video quality of the front camera (main camera)	<b>VIDEORESOLUTION</b> ,<A>	A=0/1; It defines the resolution of the videos captured by the front camera. <b>0=1920x1080, bitrate 8M</b> <b>1=1280x720, bitrate 4M</b>	✓		✓
		Whether to auto upload a location packet every time the ACC status changes	<b>ACCREP</b> ,<A>	A= <b>ON/OFF</b> It is a switch used to specify whether the device will auto upload a location packet to notify the user every time the ACC status changes.	✓	✓	✓

Tracking	Location packet	Set the interval for uploading location packets	<b>TIMER</b> ,<A>,<B>	A=ON/OFF; Whether to enable auto upload of location packets ON: The device will auto upload location packets at a preset interval after it enters ACC ON mode; <b>OFF</b> : The device will upload location packets only when the speed of the vehicle is greater than 3km/h.  B=1-600; It defines the upload interval. The unit is second (s) and the default value is <b>10</b>	✓	✓	✓
Event Feature	Parameter settings	Set the interval for the device to trigger the same type of events	<b>FILTER</b> ,<A>,<B>	A=Event type (input the codes of different types of events, see the attachment for details) B=1-60; It defines the time interval to trigger a same-type event after the last one (input a value) The unit is minute (min) and <b>the default value is 5</b>	✓	✓	✓
	Vibrating alert	Whether to alert when the device detects a vibration	<b>SENALM</b> ,<A>,<B>	A=ON/OFF; It specifies whether the device will alert when a vibration is detected. B=1/2/3; It defines the sensitivity to trigger a vibrating alert (input a number): 1: Low, <b>2</b> : Mid, 3: High; Default: 2	✓	✓	✓
	Vehicle undervoltage alert	Set the threshold voltage to trigger such an alert	<b>EXBATALM</b> ,<A>,<B>#	A=0/1; It indicates the battery type (input a number) <b>0: 12V, 1: 24V</b> B=Voltage value to trigger an undervoltage alert (input a value) Value range for 12V vehicles: 90-130V, wherein 90V indicates the undervoltage alert value is 9V; therefore if you set the value to a multiple of 10, do not forget the "0". Default: <b>118V</b> Value range for 24V vehicles: 180-255V, wherein 180V indicates the undervoltage alert value is 18V; therefore if you set the value to a multiple of 10, do not forget the "0"; Default: <b>230V</b>	✓	✓	✓
	Event-triggered response	Whether to enable alert tone for a specific event type	<b>ALARMTONE</b> ,<A>,<B>	A=Event type (input the event code of an event type) B=ON/OFF; Enable/Disable the alert tone	✓	✓	✓
	Speeding	Set the parameters related to the speed alert	<b>SPEED</b> , <A>, <T>, <S>,<M>	A=ON/OFF; Whether to enable the speed alert feature; T=5-600; The duration during which the device detects the speed of the vehicle is always above a set trigger value; The unit is second (s) and the default value is <b>10</b> . S=1-255; Trigger speed, at which the device will generate a speed alert; Default: <b>80km/h</b> M=0-3, Report mode of speed alerts, wherein "M" is set to "2" by default. 0: Platform, 1: SMS+Platform, <b>2: Platform+SMS+Call</b> , 3: Platform+Call	✓		
	SOS numbers and alerts	Set whether to alert for SOS events and how these alerts will be uploaded	<b>SOSALM</b> ,<A>,<B>	A=ON/OFF Function switch, wherein the device will alert once an SOS event is triggered B=Report mode of alerts 0: GPRS, 1: SMS+GPRS, 2: GPRS+SMS+Call, <b>3: GPRS+Call</b>	✓		
		Add SOS numbers	<b>SOS</b> , A, <A>, <B>, <C>	A=SOS number 1 to add B=SOS number 2 to add C=SOS number 3 to add	✓		
		Delete SOS number(s)	SOS, D <A>, <B>, <C>	Delete one or multiple SOS numbers by their number sequences.	✓		
	Parking vibration	Set the sensitivity to trigger a vibrating alert when the vehicle stops.	<b>SENALM</b> ,<A>,<B>	A=ON/OFF; Default: ON B=1/2/3; It refers to the trigger sensitivity; 1: Low, 2: Mid, 3: High; Default: 2	✓	✓	✓
		Set the defense mode	<b>DEFENSE</b> ,<A>	A=ON/OFF; Whether to enable the defense mode	✓	✓	✓
		Set the delay for the device to enter defense mode	<b>DEFENSE_TIME</b> ,<T>	T=1-30; It refers to the delay time; The unit is minute (min) and <b>the default value is 5</b>	✓	✓	✓
	Driving collision	Set the sensitivity to trigger a collision alert	<b>CRASHALM</b> ,<A>,<M>	A=ON/OFF; Default: ON M=1/2/3; It refers to the trigger sensitivity; 1: Low, 2: Mid, 3: High; Default: 2	✓		
	Driving behavior alert settings	Set the harsh acceleration alert	<b>RAPIDACC</b> ,<A>	A=0/1/2/3; It defines the sensitivity to trigger such an alert 0-Off, 1-Low, <b>2-Mid</b> , 3-High	✓	✓	✓
Set the harsh braking alert		<b>RAPIDDEC</b> ,<A>	A=0/1/2/3; It defines the sensitivity to trigger such an alert 0-Off, 1-Low, 2-Mid, 3-High	✓	✓	✓	
Set the harsh cornering alert		<b>RAPIDTURN</b> ,<A>	A=0/1/2/3; It defines the sensitivity to trigger such an alert 0-Off, 1-Low, 2-Mid, 3-High	✓	✓	✓	
Accessories	Relay	Remotely cut off the fuel/power of the vehicle	<b>RELAY</b> ,<A>	A=0/1; Whether to cut off the fuel/power (input a number) <b>0: Connect fuel/power</b> , 1: Cut fuel/power	✓		
	Card reader	It is a function switch	<b>CARDREADER</b> ,<A>	A=ON/OFF (an accessory is required to be connected to use this feature)	✓	✓	✓
	Fuel level sensor	Set the threshold fuel level at which the sensor will generate an alert	<b>OILPARAM</b> ,<A>,<B>,<C>,<D>	A=0-60 (min). It refers to the interval to collect fuel level data when the vehicle is ACC OFF and the value "0" indicates the sensor will not collect data. B=0-60 (min). It refers to the interval to collect fuel level data when the vehicle is ACC ON and the value "0" indicates the sensor will not collect data. C=1-10000. It refers to the difference between the fuel level data collected before and after the vehicle is ACC OFF, at which value a fuel exception alert will be triggered. The accuracy is "0.01". D=1-10000. It refers to the difference between the fuel level data collected before and after the vehicle is ACC ON, at which value a fuel exception alert will be triggered. The accuracy is "0.01". <b>For example: If the value is set to "1000", the corresponding value is 10 (1000*0.01), which means an alert will be triggered if the difference between two measurements is greater than 10%. The default value is "1000".</b>	✓	✓	✓
	Temperature sensor	Set the interval to collect temperature data	<b>TEMPCOLLECTINTERVAL</b> ,<A>,<B>	A: It refers to the collection interval when the vehicle is ACC ON. B: It refers to the collection interval when the vehicle is ACC OFF. Value range: 0-60 (min) Default: 0, which means temperature data will not be collected.	✓	✓	✓

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Special Features	DMS	Function switch	<b>DMS_SWITCH</b> ,<A>,<B>,<C>	A=0/1 (1=On, 0=Off); It is the DMS switch; Default: 1 B=1/2 (1=Normal, 2=Aggressive); It refers to the trigger sensitivity; Default: 1 C=15/30/60/90; It refers to the speed to start the alignment of the driver's face; Default: 30 (Unit: km/h)	✓	✓
		Set the device to filter same voice announcements	<b>DMS_VOICE_CUSTOM</b> ,<A>,<B>,<C>,<D>,<E>,<F>	A=Eyes closed B=Yawning C=Distracted/head low D=Smoking E=Calling F=No face detected Set a period during which the device will not repeatedly give out voice announcements for the same type of events. Default=5s [The unit is second (s), wherein you can set the report interval to "0" to always disable the voice announcement or to 10, 30, or 60].	✓	✓
		Set the device to filter alerts for the same type of events	<b>DMS_ALERT_CUSTOM</b> ,<A>,<B>,<C>,<D>,<E>,<F>	A=Eyes closed B=Yawning C=Distracted/head low D=Smoking E=Calling F=No face detected Set a period during which the device will not repeatedly send alert messages of the same type of events to the platform. Default=120s [The unit is second (s), wherein you can set the report interval to "0" so the device will never upload the alert messages to the platform or to 180, 600, or 1800]	✓	✓
		Set the duration during which the device will keep aligning the driver's face.	<b>DMS_CONTINUITY</b> ,<A>,<B>,<C>,<D>,<E>,<F>	A=Eyes closed B=Yawning C=Distracted/head low D=Smoking E=Calling F=No face detected It is used to specify the duration during which the device continues to detect a bad behavior of the driver before an event is triggered. Default=3s [The unit is second (s) and the value range is 1-10].	✓	✓
		Alignment exception event	<b>DMS_CALIB_ABNORMAL</b> ,<A>,<B>,<C>	A=1-10. It indicates after how many alignment exceptions will the device generate a relevant alert. If A is set to "0", the feature is disabled. B=0/1 (1: On, 0: Off); Whether to notify the user via sound upon an alignment exception. C=0/1, wherein "0" indicates do not upload and "1" indicates upload. It is used to set whether to upload alignment exception messages to the platform.		