MT80-BLE Instruction list

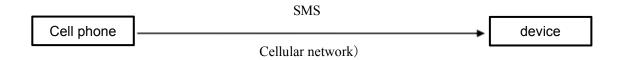
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1. Instruction list purpose

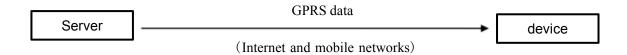
- 1 Set clear the device parameters.
- 2 . Obtain device setting parameters, positioning data, and other data.
- 3 . Control the hardware output of the device.
- 4. The device sends a request to the server.

2. How to use instructions

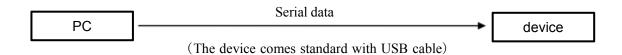
1. The user sends a text message to the device via the mobile phone.



2. The user sends GPRS data to the device through the server.



3. The user sends data to the device through the serial port.



3. Command format

Instruction format refers to the instruction data format sent to the device by mobile phone, server or PC via SMS, GPRS or serial port.

1 , Format 1 (single instruction format):

<Instruction start flag><Instruction key>;<Instruction>;<Instruction end flag>

Example of SMS command in single command format: \$SMS,000000;R001;!

Single command format GPRS command example: \$GPRS,860719020009480;R001;!

Example of single command format serial port command: \$USB,000000;R001;!

2 Format 2 (multi-instruction format):

 $< Instruction \ start \ flag>< Instruction \ key>; < Instruction>; < Instruction>; < Instruction \ end \ flag> < Instruction>; < Instruction>; < Instruction>; < Instruction>; ..$

Multi-command format SMS command example: \$SMS,000000; R001;R002;R003;!

Multi-command format GPRS command example: \$GPRS,860719020009480; R001;R002;R003;!

Multi-instruction format serial command example: \$USB,000000; R001;R002;R003;!

Project	Description		
<command flag="" start=""/>	Fixed as the character	\$	
<command key=""/>	Command key head	SMS	Fixed string SMS

		GPRS data	Fixed string GPRS
		Serial data	Fixed string USB
	Command key	SMS	Device password
	content	GPRS data	Device IMEI
		Serial data	Device password
	Example:	ı	
	1. SMS command key	SMS,0000000	
	2. GPRS data comman	nd key GPRS,86	0719020009480
	3. Serial data comman	d key USB,0000	000
į	Semicolon, separator.		
<command/>	See the contents of the	e command list (se	et (W), read (R), clear (C)).
	The ellipsis indicates t	hat more <comma< td=""><td>ands> can be added.</td></comma<>	ands> can be added.
< End of instruction flag >	Fixed as a character		
Precautions	1. Commands are not of	case sensitive;	
	2. Only the password of	or IMEI is correct,	, the command can be recognized by the device;
	3. Using multi-comma	and format can effe	ectively reduce the number of commands sent;
	4. The maximum lengt	th of the instruction	on is 2000 bytes;

4. Command feedback data format

The command feedback data format refers to the feedback data format sent to the mobile phone, server or PC via SMS, GPRS or serial port after the device receives the command.

The command feedback data format of SMS and serial port is the same, the format is as follows:

<Instruction start flag><IMEI>;<Instruction feedback>;<Instruction feedback>;.....<Instruction end flag>

Example 1: \$860719020009480;R001,OK,000000;!

Example 2: \$860719020009480;R001,OK,000000;R002,OK,cmnet,user,password;R003,OK,192.168.1.1,7000;!

The command feedback data format of GPRS adds a data length before the data, and the other parts are the same as the command feedback data of SMS and serial port. The format is as follows:

<data length><instruction start flag><IMEI>;<instruction feedback>;<instruction feedback>;.....<instruction end flag>

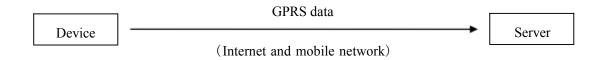
example1: 0033\$860719020009480;R001,OK,000000;!

 $example 2: \ \ \, \frac{0086}{8}860719020009480; R001, OK, 000000; R002, OK, cmnet, user, password; R003, OK, 192.168.1.1, 7000; Particle (1998) and the property of the proper$

Project	Description
< Data length >	The length of the data (not including itself), fixed as a four-digit number, range: 0001 to 9999, unit: byte.
< Instruction start flag >	Fixed as a character \$
<imei></imei>	Device IMEI.
;	Semicolon, separator.
< Instruction feedback >	Please refer to the instruction list (instruction response).
	The ellipsis indicates that more <command feedback=""/> can be added;
< End of instruction flag >	Fixed as a character !
Precautions	1. The maximum length of the feedback command is 255 bytes.

5. Equipment query command

The device query instruction refers to the request instruction sent by the device to the server via GPRS, which can be used to request the basic information of the server or the parameter information set by the client on the server, and it can also be used to request the server to operate the device.



The format of the device query command is as follows:

<Instruction start flag><IMEI>;<Inquiry instruction>;<Inquiry instruction>;.....<Instruction end flag>

Example: \$860719020009480;Q030;!

Project	Description
<instruction flag="" start=""></instruction>	Fixed as a character \$
<imei></imei>	Device IMEI.
;	Semicolon, separator.
< Query instruction >	See the content of the instruction list (query (Q)).
	The ellipsis indicates that more <query commands=""> can be added;</query>
<instruction end="" flag=""></instruction>	Fixed as a character
Precautions	1. The maximum length of the device query command is 255 bytes .
	2. After the device successfully sends the query command, the server will use the setting command to send the information to the device or operate the device.

6. Instruction list content

6.1. Instruction list

i. 1	Keyword	Cat (III)	Inatorialian	Instruction	definition
serial number	Keyworu	Set (W), read (R),	Instruction number	Instruction (Black characters indicate fixed	definition
(Correspon		read (R), clear (C),	number	characters, red characters indicate	
ding to the		query (Q)		non-fixed characters, <*> indicates	
detailed		options		parameter value, semicolon is the end of	
instruction				the instruction)	
list)					
1	password	W	001	W001,<1>;	Set device password.
		R		R001;	Reading device password.
		С		C001;	Clear device password.
2	APN	W	002	W002,<1>,<2>,<3>;	Set APN, APN username, APN password.
		R		R002;	Read APN, APN username, APN password.
		С		C002;	Clear APN, APN username, APN password.
3	server	W	003	W003,<1>,<2>;	Set server IP or domain name, server port.
	address	R		R003;	Read server IP or domain name, server port.
		С		C003;	Clear server IP or domain name, server port.
4	Device ID	W	004	W004,<1>;	Set the device ID.
		R		R004;	Read the device ID.
		С		C004;	Clear the device ID.
5	GPRS	W	005	W005,<1>;	Set GPRS timing upload interval.
	interval	R		R005;	Read GPRS timing upload interval.
		С		C005;	Clear the GPRS timing upload interval.
9	GPRS mode	W	009	W009,<1>;	Set GPRS upload mode.
		R		R009;	Read GPRS upload mode.
		С		C009;	Clear GPRS upload mode.
10	Authorizatio n number	W	010	W010,<1>,<2>,<3>;	Set an authorized number and the functions supported by the corresponding authorized number.
		R		R010,<1>;	Read an authorized number and the functions supported by the corresponding authorized number.
				R010;	Read all authorized numbers and the functions supported by the corresponding authorized numbers.
		С		C010,<1>;	Clear an authorized number and the functions supported by the corresponding authorized number.
				C010;	Clear all authorized numbers and functions supported by the corresponding authorized numbers.
16	Device	W	016	W016,<1>;	Set the device mode.
	mode	R		R016;	Read the device mode.
		С]	C016;	Clear the device mode.
18	electric	W	018	W018,<1>,<2>,<3>,<4>,<5>;	Set up an electronic fence (geofence).

	fence	R		R018,<1>;	Reading an electronic fence (Geofence).
		С		C018,<1>;	Clear an electronic fence (geofence).
		C		C018;	Clear all electronic fence (geofence).
20	Time zone	W	020	W020,<1>;	Set time zone (time zone) .
			020	R020;	Read time zone (time zone)
		R	_	·	
		С	_	C020;	Clear time zone (time zone) .
		Q		Q020,<1>;	The device requests the time zone from the server.
28	Data log	W	028		no
		R		R028;	Read the number of GPRS stored data.
		С		C028;	Clear all GPRS storage data.
29	Basic	W	029	,	-
2)			029	D020	no
	equipment	R		R029;	Read the basic information of the device.
	information	С			no
30	AGPS	W	030	W030,<1>,<2>;	Set AGPS latitude and longitude.
	latitude and	R		R030;	Read AGPS latitude and longitude.
	longitude	С		C030;	Clear AGPS latitude and longitude.
			-	Q030,<1>,<2>,<3>,<4>;	The device requests the AGPS latitude and longitude from the server.
21	ъ	Q			· · · · · · · · · · · · · · · · · · ·
31	Function	W	031	W031,<1>,<2>,<3>,<4>,<5>,<6>;	Set the function switch.
	switch	R		R031;	Read function switch.
		С		C031;	Clear function switch.
33	Sleep quality	W	022	W033,<1>,<2>;	Set the sleep quality detection time.
33			033		
	detection	R	_	R033;	Read the sleep quality detection time.
	time	С		C033;	Clear the sleep quality detection time.
	(Reserved)				
34	Acceleration	W	034		No
	sensor status	R		R034;	Read the accelerometer status.
		С			NO
35	monitor	W	035	W035,<1>;	Turn on monitoring settings
50	monitor		033		
		R	_	R035;	Read the monitoring status.
		С		C035;	Clear monitoring settings
37	Photoelectric	W	037	W037,<1>;	Set the photoelectric heart rate detection interval.
	heart rate	R		R037;	Read the photoelectric heart rate detection interval.
	detection	С		C037;	Clear the photoelectric heart rate detection interval.
	interval				
38	temperature	W	038	W038,<1>;	Set the temperature detection interval time.
	check	R		R038;	Reading temperature detection interval time.
		С		C038;	Clear the temperature detection interval time.
39	Blood	W	039	W039,<1>;	Set the interval of blood oxygen detection
	oxygen test		039	R039	Read the blood oxygen test interval
	oxygen test (Reserved)	R	_	K033	Read the blood oxygen test interval
		_			
40		С	0.10	C039	Clear blood oxygen test interval
	Backlight	W	040	C039 W040,<1>;	Clear blood oxygen test interval Set the screen backlight brightness
	Backlight setting		040		
44		W R	040	W040,<1>; R040;	Set the screen backlight brightness
44	setting	W R W		W040,<1>; R040; W044,<1>,<2>;	Set the screen backlight brightness Read the screen backlight brightness value Set the on/off of the water soaking alarm (1=on, 0=off), and interval time
	setting Soak Alert	W R W	044	W040,<1>; R040;	Set the screen backlight brightness Read the screen backlight brightness value Set the on/off of the water soaking alarm (1=on, 0=off), and interval time Read the status and interval time of soaking water alarm switch
50	setting Soak Alert Device	W R W R		W040,<1>; R040; W044,<1>,<2>;	Set the screen backlight brightness Read the screen backlight brightness value Set the on/off of the water soaking alarm (1=on, 0=off), and interval time Read the status and interval time of soaking water alarm switch No
	Soak Alert Device acquisition	W R W	044	W040,<1>; R040; W044,<1>,<2>;	Set the screen backlight brightness Read the screen backlight brightness value Set the on/off of the water soaking alarm (1=on, 0=off), and interval time Read the status and interval time of soaking water alarm switch No No
	setting Soak Alert Device	W R W R	044	W040,<1>; R040; W044,<1>,<2>;	Set the screen backlight brightness Read the screen backlight brightness value Set the on/off of the water soaking alarm (1=on, 0=off), and interval time Read the status and interval time of soaking water alarm switch No No The server sends the parameters to complete.
	Soak Alert Device acquisition	W R W R R	044	W040,<1>; R040; W044,<1>,<2>; R044;	Set the screen backlight brightness Read the screen backlight brightness value Set the on/off of the water soaking alarm (1=on, 0=off), and interval time Read the status and interval time of soaking water alarm switch No No
	Soak Alert Device acquisition	W R W R W C	044	W040,<1>; R040; W044,<1>,<2>; R044; C050;	Set the screen backlight brightness Read the screen backlight brightness value Set the on/off of the water soaking alarm (1=on, 0=off), and interval time Read the status and interval time of soaking water alarm switch No No The server sends the parameters to complete.
50	Soak Alert Device acquisition parameters	W R W R C Q	044	W040,<1>; R040; W044,<1>,<2>; R044; C050; Q050;	Set the screen backlight brightness Read the screen backlight brightness value Set the on/off of the water soaking alarm (1=on, 0=off), and interval time Read the status and interval time of soaking water alarm switch No No The server sends the parameters to complete. The device obtains parameters from the server.
50	Soak Alert Device acquisition parameters system time	W R W R C Q W	044	W040,<1>; R040; W044,<1>,<2>; R044; C050; Q050; W051,<1>; Q051;	Set the screen backlight brightness Read the screen backlight brightness value Set the on/off of the water soaking alarm (1=on, 0=off), and interval time Read the status and interval time of soaking water alarm switch No No The server sends the parameters to complete. The device obtains parameters from the server. Set System time The device requests the system time from the server.
50	Soak Alert Device acquisition parameters system time Real-time	W R W R C Q W Q	044	W040,<1>; R040; W044,<1>,<2>; R044; C050; Q050; W051,<1>;	Set the screen backlight brightness Read the screen backlight brightness value Set the on/off of the water soaking alarm (1=on, 0=off), and interval time Read the status and interval time of soaking water alarm switch No No The server sends the parameters to complete. The device obtains parameters from the server. Set System time The device requests the system time from the server. Start real-time location query.
50	Soak Alert Device acquisition parameters system time Real-time location	W R W R C Q W	044	W040,<1>; R040; W044,<1>,<2>; R044; C050; Q050; W051,<1>; Q051;	Set the screen backlight brightness Read the screen backlight brightness value Set the on/off of the water soaking alarm (1=on, 0=off), and interval time Read the status and interval time of soaking water alarm switch No No The server sends the parameters to complete. The device obtains parameters from the server. Set System time The device requests the system time from the server. Start real-time location query. No
50	Soak Alert Device acquisition parameters system time Real-time	W R W R C Q W Q	044	W040,<1>; R040; W044,<1>,<2>; R044; C050; Q050; W051,<1>; Q051;	Set the screen backlight brightness Read the screen backlight brightness value Set the on/off of the water soaking alarm (1=on, 0=off), and interval time Read the status and interval time of soaking water alarm switch No No The server sends the parameters to complete. The device obtains parameters from the server. Set System time The device requests the system time from the server. Start real-time location query.
50	Soak Alert Device acquisition parameters system time Real-time location	W R W R W R C Q W Q W R	044	W040,<1>; R040; W044,<1>,<2>; R044; C050; Q050; W051,<1>; Q051;	Set the screen backlight brightness Read the screen backlight brightness value Set the on/off of the water soaking alarm (1=on, 0=off), and interval time Read the status and interval time of soaking water alarm switch No No The server sends the parameters to complete. The device obtains parameters from the server. Set System time The device requests the system time from the server. Start real-time location query. No
50 51 52	Soak Alert Device acquisition parameters system time Real-time location query Remote Upgrade	W R W R W R C Q W Q W R C	044	W040,<1>; R040; W044,<1>,<2>; R044; C050; Q050; W051,<1>; Q051; W052;	Set the screen backlight brightness Read the screen backlight brightness value Set the on/off of the water soaking alarm (1=on, 0=off), and interval time Read the status and interval time of soaking water alarm switch No No The server sends the parameters to complete. The device obtains parameters from the server. Set System time The device requests the system time from the server. Start real-time location query. No No
50 51 52	Soak Alert Device acquisition parameters system time Real-time location query Remote Upgrade (Reserved) Only	W R W R W R C Q W Q W R C W R	044	W040,<1>; R040; W044,<1>,<2>; R044; C050; Q050; W051,<1>; Q051; W052; W098,<1>; R098;	Set the screen backlight brightness Read the screen backlight brightness value Set the on/off of the water soaking alarm (1=on, 0=off), and interval time Read the status and interval time of soaking water alarm switch No No The server sends the parameters to complete. The device obtains parameters from the server. Set System time The device requests the system time from the server. Start real-time location query. No No Start remote upgrade (default data check method: CRC-CCITT). Read the remote upgrade status of the device.
50 51 52	Soak Alert Device acquisition parameters system time Real-time location query Remote Upgrade (Reserved) Only Bluetooth APP upgrade	W R W R W R C Q W Q W R C	044	W040,<1>; R040; W044,<1>,<2>; R044; C050; Q050; W051,<1>; Q051; W052;	Set the screen backlight brightness Read the screen backlight brightness value Set the on/off of the water soaking alarm (1=on, 0=off), and interval time Read the status and interval time of soaking water alarm switch No No The server sends the parameters to complete. The device obtains parameters from the server. Set System time The device requests the system time from the server. Start real-time location query. No No Start remote upgrade (default data check method: CRC-CCITT).
50 51 52 98	Soak Alert Device acquisition parameters system time Real-time location query Remote Upgrade (Reserved) Only Bluetooth APP upgrade is supported	W R W R W R C Q W Q W R C W R C	044 050 051 052 098	W040,<1>; R040; W044,<1>,<2>; R044; C050; Q050; W051,<1>; Q051; W052; W098,<1>; R098;	Set the screen backlight brightness Read the screen backlight brightness value Set the on/off of the water soaking alarm (1=on, 0=off), and interval time Read the status and interval time of soaking water alarm switch No No The server sends the parameters to complete. The device obtains parameters from the server. Set System time The device requests the system time from the server. Start real-time location query. No No Start remote upgrade (default data check method: CRC-CCITT). Read the remote upgrade status of the device. Stop remote upgrade.
50 51 52	Soak Alert Device acquisition parameters system time Real-time location query Remote Upgrade (Reserved) Only Bluetooth APP upgrade is supported Factory	W R W R W R C Q W Q W R C W R C	044	W040,<1>; R040; W044,<1>,<2>; R044; C050; Q050; W051,<1>; Q051; W052; W098,<1>; R098;	Set the screen backlight brightness Read the screen backlight brightness value Set the on/off of the water soaking alarm (1=on, 0=off), and interval time Read the status and interval time of soaking water alarm switch No No The server sends the parameters to complete. The device obtains parameters from the server. Set System time The device requests the system time from the server. Start real-time location query. No No Start remote upgrade (default data check method: CRC-CCITT). Read the remote upgrade status of the device. Stop remote upgrade.
50 51 52 98	Soak Alert Device acquisition parameters system time Real-time location query Remote Upgrade (Reserved) Only Bluetooth APP upgrade is supported	W R W R W R C Q W Q W R C W R C	044 050 051 052 098	W040,<1>; R040; W044,<1>,<2>; R044; C050; Q050; W051,<1>; Q051; W052; W098,<1>; R098;	Set the screen backlight brightness Read the screen backlight brightness value Set the on/off of the water soaking alarm (1=on, 0=off), and interval time Read the status and interval time of soaking water alarm switch No No The server sends the parameters to complete. The device obtains parameters from the server. Set System time The device requests the system time from the server. Start real-time location query. No No Start remote upgrade (default data check method: CRC-CCITT). Read the remote upgrade status of the device. Stop remote upgrade.

100	Remote restart	W	100	W100;	Restart the device remotely.

6.2. Instruction list

6.2.1 Password

Numbering			Instruction description	Functions and precautions
1	Instruction	W001,<1	.>;	Function: Set device password.
	Parameter	<1>	Device password, range: 6 characters, default: 000000.	When using SMS or serial port to set the
	Example	W001,00	0000;	parameters of the device, the device password
	Reply	Success	W001,OK;	is required.
		Failure	W001,FAIL;	Note:
	Instruction	R001;		Function: read the device password.
	Parameter	No		Note:
	Example	R001;		
	Reply	Success	R001,OK,000000;	
		Failure	R001,FAIL;	
	Instruction	C001;		Function: Clear device password.
	Parameter	No		Note: After clearing the password, it will be
	Example	C001;		restored to the default password: 000000.
	Reply	Success	C001,OK;	
		Failure	C001,FAIL;	

6.2.2 APN

Numbering			Instruction description	Functions and precautions
2	Instruction	W002,<1	.>,<2>,<3>;	Function: Set APN, APN username, APN
	Parameter	<1>	APN (Access Point), range: 0~29 characters.	password.
		<2>	APN username, range: 0~29 characters.	When using GPRS to connect to the server, the
		<3>	APN password, range: 0~29 characters.	parameters need to be set.
	Example 1	W002,cm	nnet,username,password;	Note: The parameter can be empty, as shown in Example 2.
	Reply 1	Success	W002,OK;	Example 2.
		Failure	W002,FAIL;	
	Example 2	W002,cm (Note: In	nnet,,; a this example, the APN username and APN password are empty.)	
	Instruction	R002;		Function: Read APN, APN user name,
	Parameter	No		APN password.
	Example	R002;		Note:
	Reply	Success	R002,OK,cmnet,username,password;	
		Failure	R002,FAIL;	
	Instruction	C002;		Function: Clear APN, APN username, APN
	Parameter	No		password.
	Example	C002;		Note:
	Reply	Success	C002,OK;	
		Failure	C002,FAIL;	

6.2.3 Server address

Numbering			Instruction description	Functions and precautions
3	Instruction	W003,<1	L>,<2>;	Function: Set APN, APN username, APN
	Parameter	<1>	Server IP or domain name, range: 0~29 characters.	password.
		<2>	Server port, range: 0~65535.	When using GPRS to connect to the server, these
	Example 1	W003,21	8.133.34.184,7000;	parameters need to be set.
	Reply 1	Success	W003,OK;	Note: The parameter can be empty, as shown in Example 2.
		Failure	W003,FAIL;	Example 2.
	Example 2	W003, tv	vinmask.oicp.net,7000;	
		(Note: In	n this example, the domain name and port are used as server ers)	
			•	
	Instruction	R003;		Function: read server IP or domain name,
	Parameter	No		server port.
	Example	R003;		Note:
	Reply	Success	R003,OK,218.133.34.184,7000;	

	Failure	R003,FAIL;	
Instruction	C003;		Function: Clear server IP or domain name
Parameter	No		server port.
Example	C003;		Note:
Reply	Success	C003,OK;	
	Failure	C003,FAIL;	

6.2.4 Device ID

Numbering		Instruction description		Functions and precautions
4	Instruction	W004,<1	L>;	Function: Set the device ID. The device ID is
	Parameter	<1>	Device ID, range: 0-15 characters	the identification of the device, and the server distinguishes different devices
	Example	W004,My	/DeviceID;	according to the device ID in the uploaded
	Reply	Success	W004,OK;	data.
		Failure	W004,FAIL;	Note: Generally, the IMEI number of the GSM module is used as the device ID.
	Instruction	R004;		Function: Read the device ID.
	Parameter	No		Note:
	Example	R004;		
	Reply	Success	R004,OK, MyDeviceID;	
		Failure	R004,FAIL;	
	Instruction	C004;		Function: Clear the device ID.
	Parameter			Note:
	Example	C004;		
	Reply	Success	C004,OK;	
		Failure	C004,FAIL;	

6.2.5 GPRS interval

Numbering			Functions and precautions	
5	Instruction	W005,<1	.>;	Function: Set GPRS timing upload
	Parameter	<1>	GPRS regular upload interval, range: 0~65535, default: 0, unit: 30 seconds. (For example: set to 2, that is, the regular upload interval is 60 seconds.)	interval. When using GPRS to connect to the server, this parameter needs to be set.
	Example	W005,2;		Note: When set to 0, the GPRS scheduled
	Reply	Success	W005,OK;	upload will be cancelled, but the device
		Failure	W005,FAIL;	will still connect to the server, but the
				scheduled data will not be sent.
	Instruction	R005;		Function: Read GPRS timing upload
	Parameter	No		interval.
	Example	R005;		Note:
	Reply	Success	R005,OK;	
		Failure	R005,FAIL;	
	Instruction	C005;		Function: Clear GPRS timing upload
	Parameter	No		interval
	Example	C005;		Note: After clearing, the timed upload
	Reply	Success	C005,OK;	interval is 0.
		Failure	C005,FAIL;	

6.2.6 GPRS mode

Numbering			Instruction description	Functions and precautions
9	Instruction	W009,<1>;		Function: Set GPRS upload mode.When using
	Parameter	<1>	GPRS upload mode, range: 0~2 (O means disable GPRS function, 1 means TCP connection, 2 means UDP connection), default: 0.	GPRS to connect to the server, this parameter needs to be set.
	Example	W009,1;		Note: When set to 0, the GPRS function
	Reply	Success	W009,OK;	will be cancelled, otherwise the device will
		Failure	W009,FAIL;	connect to the server.
	Instruction	R009;		Function: Read GPRS upload mode.
	Parameter	No		Note:
	Example	R009;		
	Reply	Success	R009,OK;	
		Failure	R009,FAIL;	

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Instruction	C009;		Function: Clear GPRS upload mode.
Parameter	No		Note: After clearing, the GPRS upload
Example	C009;		mode is 0.
Reply	Success	C009,OK;	
	Failure	C009,FAIL;	

6.2.7 Authorization number

umbering			Instruction description	Functions and precaution
	Instruction	W010,<	>,<2>,<3>;	Function: Set an authorized number and th
	Parameter	<1>	Authorization number serial number, range: 1~3	functions supported by the corresponding authorized number.
		<2>	Authorization number, range: 0~19 characters.	Note:
		<3>	A Electronic fence function, range: 0 or 1 (0 means off, 1 means on), default: 0.	Note:
			B Keep.	
			C SOS outgoing call function, range: 0 or 1 (0 means off, 1 means on), default: 0.	
	Example	W010,1,	3874557455,100;	
	Reply	Success	W010,OK;	
		Failure	W010,FAIL;	
	Note	The auth	s an authorization number? orized number is the mobile phone number set by the user and saved in e. The authorized number can receive the device's location, alarm, and	
		2. Regar password the device 3. When has the device the	t messages, but the non-authorized number cannot. less of authorized number and non-authorized number, as long as the in the instruction is correct, you can use SMS to set the parameters of e. using the monitoring function, make sure that the SIM card in the devicabler ID function. And only authorized numbers can realize the g and call functions.	
	Instruction	R010,<1	·;	Function: read an authorized number
	Parameter	<1> A	thorization number serial number, range: 1~3.	and the functions supported by the
	Example	R010,1;		corresponding authorized number.
	Reply	Success	R010,OK,13874557455,100;	Note:
		Failure	R010,FAIL;	
	Instruction	R010;		Function: Read all authorized numbers and
	Parameter	No		the functions supported by the
	Example	R010;		corresponding authorized numbers.
	Reply	Success	R010,OK,13874557455,100,13874557456,110,13874557457,111;	Note:
		Failure	RR010,FAIL;	
	Instruction	C010,<1	;	
	Parameter		horization number serial number, range: 1~3.	Function: Clear an authorized number and
	Example	C010,1;	·	the functions supported by the
	Reply	Success	C010,OK;	corresponding authorized number.
		Failure	C010,FAIL;	Note:
	Instruction	C010;		Function: Clear all authorized numbers
	Parameter	No		and functions supported by the
	Example	C010;		and functions supported by the corresponding authorized numbers.
	Reply	Success	C010,OK;	
	vehtà	Failure	C010,FAIL;	Note
			CO10 FATL.	1

6.2.8 Device mode

Numbering			Instruction description	Functions and precautions
16	Instruction	Instruction W016,<1>;		Function: Set the device mode.
	Parameter	<1>	Device mode, range: 0^2 (0 means personal mode, 1 means smart mode, 2 means car mode), default: 1.	Note:
	Example	W016,1;		
	Reply	Success	W016,OK;	
		Failure	W016,FAIL;	
	Note	There are In person whether In smart stationar In car me	is the device mode? The three device modes: personal mode, smart mode, and car mode. The mal mode, the GPS will automatically turn off regardless of the device is in motion. The mode, the GPS will automatically turn off when the device is the device is the GPS will not turn off regardless of whether the device in mode, the GPS will not turn off regardless of whether the device to not.	

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		arison of standby time in different device modes. time from long to short: personal mode, smart mode, car mode.	
Instruction	R016;		Function: Read the device mode.
Parameter	No		Note:
Example	R016;		
Reply	Success	R016,OK;	
	Failure	R016,FAIL;	
Instruction	C016;		Function: Clear device mode.
Parameter	No		Note: After clearing, the device mode
Example	C016;		after restoring the factory settings, t device mode is 1;
Reply	Success	C016,OK;	device mode is 1,
	Failure	C016,FAIL;	

6.2.9 Electronic fence

			Instruction description	Functions and precautions
	Instruction	W018,<	>,<2>,<3>,<4>,<5>;	Function: Set up an electronic fence.
	Parameter	<1>	The serial number of the electronic fence, range:	
		<2>	The name of the electronic fence, range: 0-9 char	means north latitude (N), and the latitude is negative number, which means south latitude
		<3>	Latitude of the center point of the electronic fe	
			range: -90.00000000~90.00000000, unit: degree.	means east longitude (E), and longitude is a
		<4>	Longitude of the center point of the electronic f	fence, negative number, which means west longitude (W).
			range: -180.000000000 [~] 180.00000000, unit: degree.	
		<5>	Electronic fence semi-longitude, range: 0.0~1.79E	E+308,
	F 1 1	W010.1	unit: meter.	
	Example 1		Home,-22.12345678,114.12345678,500;	
	Reply 1		W018,OK;	
	Evenula 2	Failure	W018,FAIL;	
	Example 2		School, , ,300; hen setting the electronic fence, do not enter tl	ho latitudo and
		_ ·	, that is, the latitude and longitude is empty, th	
			cally start the GPS to obtain the latest latitude	
			ngitude and latitude of the center point)	
	Reply 2	Set succ		art auto center;
		Set faile	W018,FAIL;	
		Automat	cally obtain the geo2:School set auto cent	ter ok
		latitude a	nd longitude of the	
		center po	int successfully	
			automatically geo2:School set auto cent	ter fail
			e center point	
	Note		nd longitude onic fence diagram.	
			radius Electronic fence	
				Center point
	Instruction	R018,<1	Electronic fence	Center point Function: Reads an electronic fence.
	Instruction Parameter		Electronic fence	Function: Reads an electronic fence.
			Flectronic fence ; The serial number of the electronic fence, rang	Function: Reads an electronic fence.
	Parameter	<1>	Flectronic fence ; The serial number of the electronic fence, range;	Function: Reads an electronic fence. e: 1~5. Note:
	Parameter Example	<1> R018,<1 Success	Flectronic fence ; The serial number of the electronic fence, rang ; R018,OK, Home,-22.12345678,114.12345678	Function: Reads an electronic fence. e: 1~5. Note:
	Parameter Example	<1> R018,<1	Flectronic fence ; The serial number of the electronic fence, range;	Function: Reads an electronic fence. e: 1~5. Note:
	Parameter Example Reply	<1> R018,<1 Success Failure	Flectronic fence ; The serial number of the electronic fence, rang ; R018,OK, Home,-22.12345678,114.12345678 R018,FAIL;	Function: Reads an electronic fence. Note: 8,500.0;
	Parameter Example Reply Instruction	<1> R018,<1 Success Failure C018,<1	Flectronic fence ; The serial number of the electronic fence, rang ; R018,OK, Home,-22.12345678,114.12345678 R018,FAIL; ;	Function: Reads an electronic fence. Note: Function: Clear an electronic fence.
	Parameter Example Reply Instruction Parameter	<1> R018,<1 Success Failure C018,<1 <1> T	Flectronic fence ; The serial number of the electronic fence, rang ; R018,OK, Home,-22.12345678,114.12345678 R018,FAIL;	Function: Reads an electronic fence. Note: Function: Clear an electronic fence.
	Parameter Example Reply Instruction Parameter Example	<1> R018,<1 Success Failure C018,<1 C018,<1 C018,1;	Flectronic fence ; The serial number of the electronic fence, range; R018,OK, Home,-22.12345678,114.12345678 R018,FAIL; he serial number of the electronic fence, range	Function: Reads an electronic fence. Note: Function: Clear an electronic fence.
	Parameter Example Reply Instruction Parameter	<1> R018,<1 Success Failure C018,<1 <1> T	Flectronic fence ; The serial number of the electronic fence, rang ; R018,OK, Home,-22.12345678,114.12345678 R018,FAIL; ;	Function: Reads an electronic fence. Note: Function: Clear an electronic fence.
	Parameter Example Reply Instruction Parameter Example	<1> R018,<1 Success Failure C018,<1 C018,<1 C018,1;	Flectronic fence ; The serial number of the electronic fence, range; R018,OK, Home,-22.12345678,114.12345678 R018,FAIL; he serial number of the electronic fence, range	Function: Reads an electronic fence. Note: Function: Clear an electronic fence.
	Parameter Example Reply Instruction Parameter Example	<1> R018,<1 Success Failure C018,<1 C018,1; Success	Flectronic fence ; The serial number of the electronic fence, rang ; R018,OK, Home,-22.12345678,114.12345678 R018,FAIL; he serial number of the electronic fence, range C018,OK;	Function: Reads an electronic fence. Note: Function: Clear an electronic fence.
	Parameter Example Reply Instruction Parameter Example	<1> R018,<1 Success Failure C018,<1 C018,1; Success	Flectronic fence ; The serial number of the electronic fence, rang ; R018,OK, Home,-22.12345678,114.12345678 R018,FAIL; he serial number of the electronic fence, range C018,OK;	Function: Reads an electronic fence. Note: Function: Clear an electronic fence.
	Parameter Example Reply Instruction Parameter Example Reply	<1>R018,<1 Success Failure C018,<1 <1>T C018,1; Success Failure	Flectronic fence ; The serial number of the electronic fence, rang ; R018,OK, Home,-22.12345678,114.12345678 R018,FAIL; he serial number of the electronic fence, range C018,OK;	Function: Reads an electronic fence. Note: Function: Clear an electronic fence. Note:
	Parameter Example Reply Instruction Parameter Example Reply Instruction	C018,<1 C018,<1 C018,1; Success Failure C018,1; Success Failure C018;	Flectronic fence ; The serial number of the electronic fence, rang ; R018,OK, Home,-22.12345678,114.12345678 R018,FAIL; he serial number of the electronic fence, range C018,OK;	Function: Reads an electronic fence. Note: Function: Clear an electronic fence. Note: Function: Clear all electronic fence.
	Parameter Example Reply Instruction Parameter Example Reply Instruction Parameter	C018,<1 C018,<1 C018,1; Success Failure C018,1; Success Failure C018; No	Flectronic fence ; The serial number of the electronic fence, rang ; R018,OK, Home,-22.12345678,114.12345678 R018,FAIL; he serial number of the electronic fence, range C018,OK;	Function: Reads an electronic fence. Note: Function: Clear an electronic fence. Note: Function: Clear all electronic fence.

6.2.10 Time zone

Numbering			Instruction description	Functions and precaution
20	Instruction	W020,<1	L>;	Function: Set time zone.
	Parameter	<1>	The time zone value. If it is a negative number, please add "-" in front of it. If it is a positive number, do not add it. For example, the Beijing time zone is+8, in hours (8:00 Beijing time).	Note: After the time zone is modified, the time and date in the SMS data will be
	Example	W020,8;		updated to the local time and date, while
	Reply	Success	W020,OK;	the time and date in the GPRS data will
		Failure	W020,FAIL;	still be Green Time and Date.
	Instruction	R020;		Function: Read time zone.
	Parameter	No		Note:
	Example	R020;		
	Reply	Success	R020,OK,8;	
		Failure	R020,FAIL;	
	Instruction	C020;		Function: Clear time zone.
	Parameter	No		Note: After clearing, the time zone is 0.
	Example	C020;		
	Reply	Success	C020,OK;	
		Failure	C020,FAIL;	
	Instruction	uction Q020,<1>;		Function: The device requests the time
	Parameter	<1>	Country code, range: 000~999, default: 460.	zone from the server.
	Example	Q020,460;		Note:
	Reply	Success	After the device successfully sends the query command to the server, the server should use the W020 command to set the time zone of the machine according to the country code.	
		Failure	No feedback from the server.	

6.2.11 Data log

Numbering			Instruction description			
28	Instruction	R028;		Function: read the number of GPRS		
	Parameter	No		stored data		
	Example	R028;		Note:		
	Reply	Success	R028,OK,128;			
		Failure	R028,FAIL;			
	Instruction	C028;		Function: Clear all GPRS stored data.		
	Parameter	No		note:		
	Example	C028;				
	Reply	Success	C028,OK;			
		Failure	C028,FAIL;			

6.2.12 Basic equipment information

Numbering			Instruction description	Functions and precautions
29	Instruction	R029;		Function: Read the basic information of the
	Parameter	No		device.
	Example	R029;		Basic equipment information includes:
	Reply	Success	R029,OK,MT70_ALPHA_20131223-1_standard,spiflash ok,gsensor ok,gps fix 062917.00 241213;	1.MT70_ALPHA_20131223-1_standard, firmware version number.
		Failure	R029,FAIL;	2. spiflash ok, external storage chip status.
				3. gsensor ok, acceleration sensor status.
				4. gps fix 062917.00 241213, the latest GPS positioning time (UTC time and date).
				note:

6.2.13 AGPS latitude and longitude

Numbering			Instruction description	Functions and precautions
30	Instruction	W030,<1	L>,<2>;	Function: Set AGPS latitude and longitude.
	Parameter	<1>	AGPS latitude, range: -90.00000000^90.00000000, unit: degree	Note:
		<2>	AGPS longitude, range: -180.00000000^180.00000000, unit: Degree.	
	Example	W030,22	639788,114.043863;	
	Reply	Success	W030,OK;	
		Failure	W030,FAIL;	

		- -	
Instruction	R030;		Function: Read AGPS latitude and
Parameter	No		longitude.
Example	R030;		note:
Reply	Success	R030,OK,22.639788,114.043863;	
	Failure	R030,FAIL;	
Instruction	C030;		Function: Clear AGPS latitude and
Parameter	No		longitude.
Example	C030;		Note: After clearing, the latitude an
Reply	Success	C030,OK;	longitude are all 0.
	Failure	C030,FAIL;	
Instruction	Q030,<1	.>,<2>,<3>,<4>;	Function: The device requests AGPS
Parameter	<1>	Mobile country code (MCC) .	latitude and longitude from the serve
	<2>	Mobile network number (MNC) .	note:
	<2> <3>	Mobile network number (MNC) . Base station location area code (LAC) .	note:
			note:
Example	<3> <4>	Base station location area code (LAC) .	note:
Example Reply	<3> <4>	Base station location area code (LAC) . Base station cell identification code (Cell ID)	note:
-	<3> <4> Q030,46	Base station location area code (LAC) . Base station cell identification code (Cell ID) 0,07,262C,0F54;	note:

6.2.14 Function switch

Numbering			Functions and precautions	
31	Instruction	W031,<1>,<	2>,<3>,<4>,<5>,<6>;	Function: Set the function switch.
	Parameter	<reserved></reserved>	Range: 0 or 1 (0=off, 1=on), default: 0. (Reserved)	Note: After the wrist strap function is
		<2>	Pedometer function switch, range: 0 or 1 (0 means off, 1 means on), default: 1.	turned off, the software can be turned off whether the wrist strap is connected or
		<3>	Fall down function switch, range: 0 or 1 (0 means off, 1 means on), default: 1.	not.
		<4>	Wristband function switch, range: 0 or 1 (0 means off, 1 means on), default: 1.	
		<reserved></reserved>	Range: 0 or 1 (0=off, 1=on), default: 0. (Reserved)	
		<reserved></reserved>	Range: 0 or 1 (0=off, 1=on), default: 0. (Reserved)	
	Example	W031,01110	0;	
	Reply	Success	W031,OK;	
		Failure	W031,FAIL;	
	Instruction	R031;		Function: read function switch. Note:
	Parameter	No		
	Example	R031;		
	Reply	Success	R031,OK,011100;	
		Failure	R031,FAIL;	
	Instruction	C031;		Function: Clear function switch.
	Parameter	No		Note:
	Example	C031;		
	Reply	Success	C031,OK;	
		Failure	C031,FAIL;	

6.2.15 Sleep quality test time (Reserved)

Numbering			Instruction description	Functions and precautions
33	Instruction	W033,<1	L>,<2>;	Function: Set the sleep quality detection
	Parameter	<1>	Start time, range: 0~23, default: 22.	time.
		<2>	End time, range: 0~23, default: 8.	Note: When the start time and end time are both 0, it means that the sleep quality
	Example	W033,12	.,20;	detection function is turned off.
	Reply	Success	W033,OK;	
		Failure	W033,FAIL;	
	Instruction	R033;		Function: Read the sleep quality
	Parameter No			detection time.
	Example	R033;		note:
	Reply	Success	R033,OK,12,20;	
		Failure	R033,FAIL;	
	Instruction	C033;		Function: Clear the sleep quality detection
	Parameter	No		time.

Example	C033;		Note: After clearing, the start time and end
Reply	Success	C033,OK;	time are both 0, that is, the sleep quality detection function is turned off.
	Failure	C033,FAIL;	detection function is turned oil.

6.2.16 Acceleration sensor status

Numbering			Instruction description	Functions and precautions
34	Instruction R034;			Function: Read the state of the acceleration
	Parameter	No		sensor.
	Example	R034;		Note: After sending this command, there may
	Reply	Success	R034,OK,gsensor ok;	be a 30-second delay in the feedback result.
			(Description: indicates that the acceleration sensor is normal.)	
			R034,OK,gsensor fail;	
			(Note: the acceleration sensor indicates a problem.)	
		Failure	No feedback.	

6.2.17 Monitoring

Numbering			Instruction description	Functions and precautions	
35	Instruction	tion W035,<1>;		Function: Set up monitoring.	
	Parameter	<1>	Monitor function switch, range: 0 or 1 (0 means off, 1 means on), default: 0.	Note: Only authorized numbers can realize	
	Example	W035,1;		the monitoring function.	
	Reply	Success	W035,OK;		
		Failure	W035,FAIL;		
	Instruction	R035;		Function: Read monitoring status.	
	Parameter	No		note:	
	Example	R035;			
	Reply	Success	R035,OK,1;		
		Failure	R035,FAIL;		
	Instruction	C035;		Function: Clear monitor.	
	Parameter	No		Note: Clearing the monitoring setting is equivalent to turning off the monitoring.	
	Example	C035;			
	Reply	Success	C035,OK;		
		Failure	C035,FAIL;		

6.2.18 Photoelectric heart rate detection interval

Numbering			Instruction description	Functions and precautions
37	Instruction	W037,<1	L>;	Function: Set the interval of photoelectric
	Parameter	<1>	Photoelectric heart rate detection interval, range: 0~65535 (0 means off), default value: 120, unit: 30 seconds. (For example: set to 120, that is, the photoelectric heart rate detection interval is 1 hour (3600 seconds).)	heart rate detection. note:
	Example			
	Reply	Success	W037,OK;	
		Failure	W037,FAIL;	
	Instruction	R037;		Function: Read the photoelectric hear rate detection interval. note:
	Parameter	No		
	Example	R037;		
	Reply	Success	R037,OK,20;	
		Failure	R037,FAIL;	
	Instruction	C037;		Function: Clear the photoelectric heart rat
	Parameter	No		detection interval.
	Example	C037;		Note: After clearing, the photoelectric
	Reply	Success	C037,OK;	heart rate detection interval becomes 0.
		Failure	C037,FAIL;	

6.2.19 Body temperature detection

Numbering			Instruction description	Functions and precautions
38	Instruction	W038,<1	l>;	Function: Set the temperature detection
	Parameter	<1>	Temperature detection interval, range: 0~65535 (0 means off), default value: 60, unit: 30 seconds.	interval time. note:
			(For example: set to 60, that is, the temperature detection interval is 30 minutes (1800 seconds).)	

Example	W038,10	;	
Reply	Success	W038,OK;	
	Failure	W038,FAIL;	
Instruction	R038;		Function: Read the temperature
Parameter	No		detection interval time.
Example	R038;		note:
Reply	Success	R038,OK;	
	Failure	R038,FAIL;	
Instruction	C038;		Function: Clear the temperature detection
Parameter	No		interval time.
Example	C038;		Note: After clearing, the temperature detection interval is 0
Reply	Success	C038,OK;	detection interval is 0
	Failure	C038,FAIL;	

6.2.20 Blood oxygen test (Reserved)

Numbering			Instruction description	Functions and precautions
39	Instruction	W039,<1	L>;	Function: Set the interval of blood oxygen
	Parameter	<1>	Blood oxygen detection interval, range: $0^{\sim}65535$ (0 means off), default: 0 (0: off, 1: on), unit: 30	detection.
	Example	W039,10);	Note: The automatic blood oxygen detection
	Reply	Success	W039,OK;	function is turned off by default
		Failure	W039,FAIL;	
	Instruction	tion R039;		Function: Read the interval time of
	Parameter	No		blood oxygen detection.
	Example	R039;		note:
	Reply	Success	R039,OK;	
		Failure	R039,FAIL;	
	Instruction	C039;		Function: Clear the interval of blood oxyge
	Parameter	No		detection.
	Example	C039;		Note: After clearing, the blood oxygen
	Reply	Success	C039,OK;	detection interval is 0
		Failure	C039,FAIL;	

6.2.21 Backlight Setting

Numbering			Instruction description	Functions and precautions
40	Instruction	W040,<1	L>;	Function: Set the screen backlight
	Parameter	<1>	Screen backlight value, range: 0~100	brightness.
	Example	W040,10	0;	Note:
	Reply	Success	W040,OK;	
		Failure	W040,FAIL;	
	Instruction	struction R040;		Function: Read the screen backlight
	Parameter			brightness value.
	Example			Note:
	Reply	Success	R040,OK,100;	
		Failure	R040,FAIL;	

6.2.22 Soak Alert

Numbering			Instruction description	Functions and precautions	
44	Instruction	W044,<1	1>,<2>;	Function: Set the switch of the soaking	
	Parameter	<1>	Water soak alarm on/off (1=on, 0=off)	water alarm function, the detection interval	
		<2>	The detection time of bubble alarm is 20 minutes by default, with 100 milliseconds as the unit, 1min=600ms, and the range is 1-65535. (For example: set to 12000, that is, 20min * 600ms = 12000)	Note: The detection time setting must be greater than 0	
	Example W044,		12000;		
	Reply	Success	W044,OK;		
		Failure	W044,FAIL;		
	Instruction	R044;		Function: View the status and detection	
	Parameter	No		time interval of the equipment soaking in water alarm function	
	Example	R044;		Note:	
	Reply	Success	R044,OK,1,12000;	1 11000.	

Failu	e R044,FAIL;
·	

6.2.23 Device get parameters

Numbering			Instruction description	Functions and precautions
50	Instruction	C050;		Function: After the server sends an instruction to set the parameters successfully, you can issue this instruction
	Parameter	No		
	Example	C050;		to make the device actively disconnect
	Reply	Success	C050,OK;	from the server, and then reconnect to the
		Failure	C050,FAIL;	server according to the parameters.
				Note: If the reconnected server is different, the feedback data will be sent to the last connected server.
	Instruction	Q050;		Function: The device sends this instruction to request the server to set the parameters of the device. note:
	Parameter	No		
	Example	Q050;		
	Reply	Success	After the device successfully sends the query command to the server,	and the second s
			the server should immediately set the parameters of the device.	
		Failure	No feedback from the server.	

6.2.24 System time

mbering			Instruction description	Functions and precaution
1	Instruction	W051,<1	1>;	Function: Set the system time.
	Parameter	<1>	System time, format: YYYY-MM-DD HH:MM:SS (Year Year Year-Month Month-Day Day Hour: Minute: Second Second). (Note: the date and time are separated by spaces.)	Note: Please use Greenwich Mean (GMT) tim to set.
	Example	W051,20	014-09-19 07:39:19;	
	Reply	Success	W051,OK;	
		Failure	W051,FAIL;	
		Failure	W051,FAIL;	
	Instruction	Failure Q051;	W051,FAIL;	Function: The device requests the system
	Instruction Parameter		W051,FAIL;	Function: The device requests the system time from the server.
		Q051;	W051,FAIL;	-
	Parameter	Q051; No		time from the server.

6.2.23 Real-time location query

Numbering			Instruction description	Functions and precautions
52	Instruction	W052;		Function: Start real-time location query.
	Parameter	No		note:
	Example	W052;		
	Reply	Success	After receiving the real-time location query instruction, the device will first locate it, and then reply the real-time location information to the mobile phone or platform after the positioning is successful or timeout.	
			(Note: When the instruction is issued by the mobile phone, the real-time location information will be replied to the mobile phone and the server; when the instruction is issued by the server, the real-time location information will only be replied to the server.)	
		Failure	No feedback.	

6.2.24 Remote upgrade (Reserved) Only Bluetooth APP upgrade is supported

Numbering			Instruction description	Functions and precautions	
98	Instruction	W098,<1	L>;	Function: Start remote upgrade (default data	
	Parameter	<1>	Upgrade firmware name, range: 0~49 characters.	check method: CRC-CCITT).	
	Example	W098,tra	acker.bin;	note:	
	Reply	Success	W098,OK,upgrade start;		
			(Description: Indicates the start of remote upgrade.)		
			W098,OK,upgrade fail;		
			(Description: indicates that an error occurred during the remote		
			upgrade process.)		
			W098,OK,upgrade finish;		
			(Description: indicates that the remote upgrade is successful.)		
		Failure	W098,FAIL;		
			(Explanation: indicates that the command format is wrong.)		
	Instruction	R098;		Function: Read the remote upgrade	
	Parameter	No		status of the device.	
	Example	R098;		note:	

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Reply	Success	R098, OK, upgrade firmware name, received package number,	
		total package number, verification method;	
		(Note: The check method is 0 means no check, 1 means CRC-CCITT check.)	
	Failure	R098,FAIL;	
Instruction	C098;		Function: Stop remote upgrade.
IND CI GO CION	2050,		Tunction. Stop remote apgrade.
Parameter	No		note:
Parameter Example	No C098;		note:
	_	C098,OK;	note:

6.2.25 Factory settings

Numbering			Instruction description	Functions and precautions
99	Instruction	C099;		Function: Clear all parameters (restore
	Parameter	No		factory settings).
	Example	C099;		note:
	Reply	Success	C099,OK;	
		Failure	C099,FAIL;	

6.2.26 Remote restart

Numbering			Instruction description	Functions and precautions
100	Instruction	W100;		Function: Restart the device remotely. Note: The device will not restart until 15 seconds after receiving the remote restart command.
	Parameter	No		
	Example	W100;		
	Reply	Success	W100,OK;	Commence.
		Failure	W100,FAIL;	