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# Content

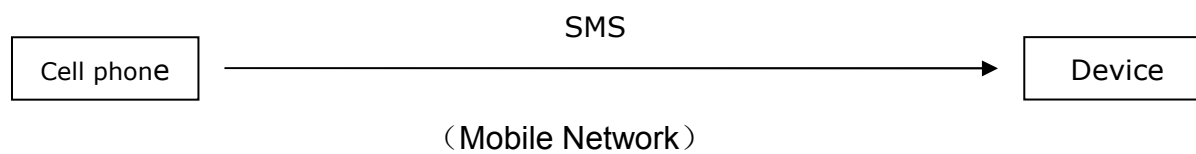
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## 1. Purpose of Command

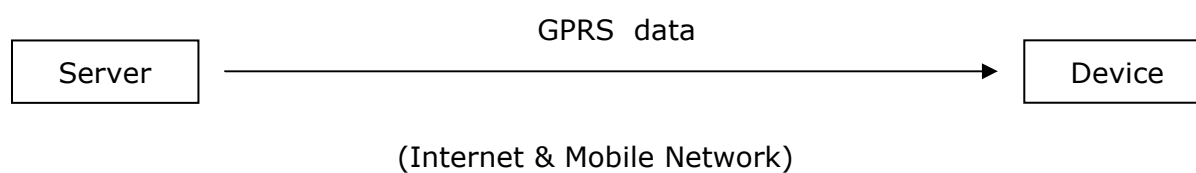
- 1、 To set or clear device parameters.
- 2、 To acquire device's parameters, positioning data, others.
- 3、 To control device's output of hardware.
- 4、 To submit demands to server.

## 2. Usage of Command

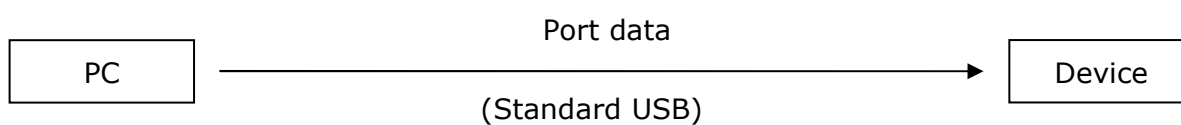
- 1、 User sends SMS (command) to device via cell phone.



- 2、 User sends GPRS data (command) to device via server.



- 3、 User sends command data to device via port.



## 3. Command Format

Command format is a data format of command which cell phone, server, or PC sends to device via SMS, GPRS, or port.

- 1、 Format 1(in Signal Command Format):

```
<command begin mark><command password>;<command content>;<command end mark>
```

Example for command via SMS: **\$SMS,000000;R001;!**

Example for command via GPRS: **\$GPRS,860719020009480;R001;!**

Example for command via port: **\$USB,000000;R001;!**

- 2、 Format 2(in Multiple Command Format):

```
<command begin mark><command password>;<command content>;<command content>;.....<command end mark>
```

Example for command via SMS: **\$SMS,000000; R001;R002;R003;!**

Example for command via GPRS: **\$GPRS,860719020009480; R001;R002;R003;!**

Example for command via port: **\$USB,000000; R001;R002;R003;!**

Items	Description		
<command begin mark>	\$ fixed		
<command password>	Command Head	SMS	Fixed character string <b>SMS</b>
		GPRS data	Fixed character string <b>GPRS</b>
		Port data	Fixed character string <b>USB</b>
	Password	SMS	Device password
		GPRS data	Device IMEI
		Port data	Device password
Example: 1. Password via SMS: <b>SMS,000000</b> 2. Password via GPRS: <b>GPRS,860719020009480</b> 3. Password via port: <b>USB,000000</b>			
;	semicolon, separator.		
<command content>	See <Command List(Set(W), Read(R), Clear(C))>		
.....	Apostrophe, means more commands acceptable.		
<command end mark>	! fixed		
<b>Note</b>	<ol style="list-style-type: none"> <li>Both capital letters and small letters are workable.</li> <li>Only if password/IMEI is correct, the command could be recognised by device.</li> <li>Using multiple command formats can decrease times of sending commands.</li> <li>Commands are in Max. 2000 bytes.</li> </ol>		

## 4. Format of Commands Feedback

Format of command reply is the format of feedback that device send to authorized number via cell phone, server, or PC after it obtains commands.

It is the same format for SMS, GPRS, port, see as below:

<command begin mark><IMEI>;<command reply>;<command reply>;.....<command end mark>

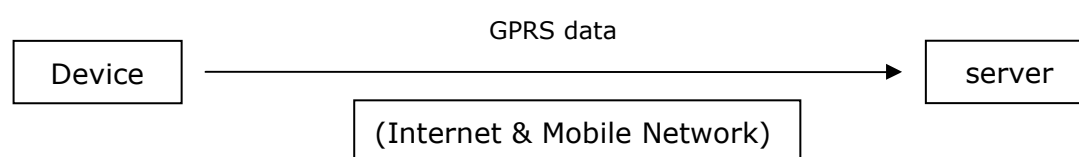
Example1: **\$860719020009480;R001,OK,000000;!;**

Example2: **\$860719020009480;R001,OK,000000;R002,OK,cmnet,user,password;R003,OK,192.168.1.1,7000;!;**

Items	Description
<command begin mark>	\$ fixed
<IMEI>	Device IMEI
;	Semicolon, separator.
<command reply>	See more in <Detailed Command List(Command reply)>
.....	Apostrophe, means more commands acceptable; See more in <Command reply>
<command end mark>	! fixed
<b>Note</b>	Max. In 255 bytes.

## 5. Device Checking Command

Device Checking Command is what device sends to server via GPRS. This aims at acquiring server basic information and parameters information that set in device, and device setting through server.



Format as below:

<command begin mark><IMEI>;<checking command>;<checking command>;.....<command end mark>

Example: **\$860719020009480;Q030;!;**

Item	Description
<command begin mark>	\$ fixed
<IMEI>	Device IMEI
;	Semicolon, separator.
<checking command>	See <Command List (Checking(Q))>
.....	Apostrophe, means more commands acceptable.
<command end mark>	! fixed
Note	1. Max. in 255 bytes. 2. After sending checking command, server will react to send information to device or operate device.

## 6. Command List Contents

### 6.1. Brief Command List

No. (correspond to Detailed command list)	Key words	Set(W) Read(R) Clear(C) Check(Q) Selection	Command No.	Command (Characters in black color or are fixed characters; that in red color are non-fixed characters. <*> is parameter values, semicolon is command end mark)	Definition
1	Password	W	001	W001,<1>;	Set device password
		R		R001;	Read device password
		C		C001;	Delete device password
2	APN	W	002	W002,<1>,<2>,<3>;	Set APN, APN Username, APN password
		R		R002;	Read APN, APN Username, APN password
		C		C002;	Delete APN, APN Username, APN password
3	Server address/IP	W	003	W003,<1>,<2>;	Set server IP/domain, port
		R		R003;	Read server IP/domain, port
		C		C003;	Delete server IP/domain, port
4	Device ID	W	004	W004,<1>;	Set device ID
		R		R004;	Read device ID
		C		C004;	Delete device ID
5	GPRS Interval	W	005	W005,<1>;	Set GPRS data uploading interval
		R		R005;	Read GPRS data uploading interval
		C		C005;	Delete GPRS data uploading interval
9	GPRS Mode	W	009	W009,<1>;	Set GPRS uploading mode.
		R		R009;	Read GPRS uploading mode
		C		C009;	Delete GPRS uploading mode
10	Authorized No.	W	010	W010,<1>,<2>,<3>;	Set authorized no. and its related authority.
		R		R010,<1>;	Read authorized no. and its related authority
				R010;	Read all authorized no. and its related authority.
		C		C010,<1>;	Clear authorized no. and its related authority
		C010;		Clear all authorized no. and its related authority	
16	Device Mode	W	016	W016,<1>;	Set device mode
		R		R016;	Read device mode
		C		C016;	Clear device mode
18	Geo Fence	W	018	W018,<1>,<2>,<3>,<4>,<5>;	Set geo-fence
		R		R018,<1>;	Read geo-fence
		C		C018,<1>;	Clear geo-fence
				C018;	Clear all geo-fence
20	Time Zone	W	020	W020,<1>;	Set time zone
		R		R020;	Read time zone

		C		C020;	Clear time zone
28	Data log	W	028		None
		R		R028;	Read stored GPRS data.
		C		C028;	Clear all stored GPRS data
29	Device Basic Information	W	029		None
		R		R029	Read device basic information
		C			None
39	WiFi switch	W	039	W039,<1>;	Set to turn on/off WIFI. 1 = turn on, 0 = turn off.
		R		R039;	Read the WIFI switch status.
		C		C039;	Clear the WIFI status, and it will be closed after clearing.
40	WiFi switch	W	040	W040,<1>;	Set the wifi mode of the device. Parameters: 1--home monitoring mode 2--wifi connection network mode 0-- normal mode
		R		R040;	Read the wifi mode of the device.
42	WiFi base station	W	042	W042,<1>,<2>,<3>;	Set the wifi base station to be connected to the device wifi.
		R		R042;	Read the wifi base station.
		C		C042;	Clear the wifi base station.
43	Alarm playback related	W	043	W043,<1>,<2>,<3>;	Alarm sound playback related settings
		R		R043,<1>,<2>,<3>;	Read related settings
		C		C043;	Clear alarm sound playback settings
44	Soak Alert	W	044	W044,<1>,<2>;	Set the on/off of the water soaking alarm (1=on, 0=off),interval time
		R		R044;	Read the status and interval time of soaking water alarm switch
		C		C044;	None
45	Switch voice broadcast language	W	045	W045,<1>;	Set the switching voice broadcast language, 0 stands for Chinese, 1 for English, 2 for Spanish, 3 for Thai.
		R		R045;	Read the speech broadcast language
50	Device getting parameters	C	050	C050;	Server set device setting completely
		Q		Q050;	Device request server to set setting
51	Device System Time	W	051	W051,<1>;	Set device system time
		Q		Q051;	Device acquires system time from server
98	Remote Upgrade	W	098	W098,<1>;	Start remote upgrade
		R		R098;	Read the status of upgrade
		C		C098;	Stop the remote upgrade
99	Factory Default	W	099		None
		R			None
		C		C099;	Clear all parameters(reset to defaults)
100	Remote Restart	W	100	W100;	Restart the device

## 6.2. Detailed Command List

### 6.2.1 Password

No.	Description		Purpose
1	Command	W001,<1>;	Purpose: Set device password. Note: It is essential when set parameters on device via SMS/port.
	Parameter	<1> Device password, in 6 digits, default to be 000000.	
	Example	W001,000000;	
	Reply	Succeed W001,OK; Failed W001,FAIL;	
	Command	R001;	Purpose: Read device password Note:
	Parameter	None	
	Example	R001;	
	Reply	Succeed R001,OK,000000; Failed R001,FAIL;	
	Command	C001;	Purpose: Clear device password 000000. Note: It will reset to default
	Parameter	None	
	Example	C001;	
	Reply	Succeed C001,OK;	

	Failed	C001,FAIL;	password after clear.
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## 6.2.2 APN

No.	Description		Purpose	
2	Command	W002,<1>,<2>,<3>;	Purpose: Set APN, APN username, APN password.  Note: It is essential when connect to server via GPRS.  Parameters permits to be empty, see example 2.	
	Parameter	<1>		APN( Access Point Name of Network), range: 0~29 character
		<2>		APN Username, range: 0~29 character
		<3>		APN Password, range: 0~29 character
	Example 1	W002,cmnet,username,password;		
Reply 1	Succeed	W002,OK;		
	Failed	W002,FAIL;		
Example 2	W002,cmnet,,; (Note: The APN username and APN password is empty in this example.)			
	Command	R002;	Purpose: Read APN, APN username, APN password.  Note:	
	Parameter	None		
	Example	R002;		
	Reply	Succeed		R002,OK,cmnet,username,password;
		Failed		R002,FAIL;
	Command	C002;	Purpose: Clear APN, APN username, APN password.  Note:	
	Parameter	None		
	Example	C002;		
	Reply	Succeed		C002,OK;
		Failed		C002,FAIL;

## 6.2.3 Server IP

No.	Description		Purpose	
3	Command	W003,<1>,<2>;	Purpose: Set server IP/domain, port  Note: It is essential when connect to server via GPRS.	
	Parameter	<1>		Device password, in 6 digits, default to be 000000.
		<2>		Server port, in 0~65535.
	Example 1	W003,218.133.34.184,7000;		
	Reply 1	Succeed		W003,OK;
		Failed		W003,FAIL;
Example 2	W003,twinmask.oicp.net,7000; (Note: It uses domain and port as server parameters in this example.)			
	Command	R003;	Purpose: Read server IP/domain, port  Note:	
	Parameter	None		
	Example	R003;		
	Reply	Succeed		R003,OK,218.133.34.184,7000;
		Failed		R003,FAIL;
	Command	C003;	Purpose: Clear server IP/domain, port  Note:	
	Parameter	None		
	Example	C003;		
	Reply	Succeed		C003,OK;
		Failed		C003,FAIL;

## 6.2.4 Device ID

No.	Description		Purpose	
4	Command	W004,<1>;	Purpose: Set device ID  Device ID is device identification, through which server distinguish different devices by the device ID in GPRS data.  Note: Generally it is the IMEI number in the GSM module.	
	Parameter	<1>		Device ID,in 0~15 bytes.
	Example	W004,MyDeviceID;		
	Reply	Succeed		W004,OK;
Failed		W004,FAIL;		

	Command	R004;		Purpose: Read device ID Note:
	Parameter	None		
	Example	R004;		
	Reply	Succeed	R004,OK, MyDeviceID;	
		Failed	R004,FAIL;	
	Command	C004;		Purpose: Clear device ID Note:
	Parameter	None		
	Example	C004;		
	Reply	Succeed	C004,OK;	
		Failed	C004,FAIL;	

## 6.2.5 GPRS interval

No.	Description			Purpose		
5	Command	W005,<1>;		Purpose: Set GPRS uploading interval. It is essential when connect to server via GPRS. Note: When set it to be '0', it will disable GPRS data uploading, while still keep connection with server. Note: Generally it is the IMEI number in the GSM module.		
	Parameter	<1>	GPRS uploading interval, in 0~65535, default: 0, unit: 30 seconds. (Example: when set it to be 2, it means uploading interval is 60 seconds.)			
	Example	W005,2;				
	Reply	Succeed	W005,OK;			
		Failed	W005,FAIL;			
	Command	R005;			Purpose: Read GPRS uploading interval. Note:	
	Parameter	None				
	Example	R005;				
	Reply	Succeed	R005,OK, 2;			
			Failed		R005,FAIL;	
	Command	C005;			Purpose: Clear GPRS uploading interval. Note:After this the GPRS uploading interval is 0.	
	Parameter	None				
Example	C005;					
Reply	Succeed	C005,OK;				
		Failed	C005,FAIL;			

## 6.2.6 GPRS Mode

No.	Description			Purpose		
9	Command	W009,<1>;		Purpose: Set GPRS mode. It is essential when connect to server via GPRS. Note: When set it to be '0', it will disable GPRS function, and won't keep connection with server.		
	Parameter	<1>	GPRS uploading mode, in 0~2(0 means turn off GPRS function; 1 means GPRS in TCP connection; 2 means GPRS in UDP connection), default: 0.			
	Example	W009,1;				
	Reply	Succeed	W009,OK;			
		Failed	W009,FAIL;			
	Command	R009;			Purpose: Read GPRS mode. Note:	
	Parameter	None				
	Example	R009;				
	Reply	Succeed	R009,OK, 1;			
			Failed		R009,FAIL;	
	Command	C009;			Purpose: Clear GPRS mode. Note:After this the GPRS mode is 0.	
	Parameter	None				
Example	C009;					
Reply	Succeed	C009,OK;				
		Failed	C009,FAIL;			

## 6.2.7 Authorized Number

No.	Description	Purpose
-----	-------------	---------

10	Command	W010,<1>,<2>,<3>;		Purpose: Set authorized no. and its related authority. Note:	
	Parameter	<1>	The serial no. of authorized number, range: 1~3.		
		<2>	Authorized number, in 0~19 digits.		
		<3>	A		Geo-fence function, range: 0/1(0 means turn off geo-fence function; 1 means turn on geo-fence function), default: 0.
			B		Background surveillance, range:0/1(0 means turn off Background surveillance; 1 means turn on Background surveillance), default: 0.
		C	SOS calling function, range: 0/1 (0 means turn off SOS calling function; 1 means turn on SOS calling function), default: 0.		
	Example	W010,1,13874557455,100;			
	Reply	Succeed	W010,OK;		
		Failed	W010,FAIL;		
	Note:	<p>1. What is authorized number? Authorized number is the cell phones number that user sets and stores into device. It supports to receive GPS position data, alarms, checking SMS, any other numbers could not.</p> <p>2. No matter authorized number or non-authorized number, it supports to set parameters via SMS as long as the command password is correct.</p> <p>3. Make sure the SIM card support caller ID when using background surveillance.</p>			
Command	R010,<1>;		Purpose: Read authorized number and its related authority. Note:		
Parameter	<1>	The serial no. of authorized number, range: 1~3.			
Example	R010,1;				
Reply	Succeed	R010,OK,13874557455,100;			
	Failed	R010,FAIL;			
Command	R010;		Purpose: Read all authorized no. and its related authority. Note:		
Parameter	None				
Example	R010;				
Reply	Succeed	R010,OK,13874557455,100,13874557456,110,13874557457,111;			
	Failed	R010,FAIL;			
Command	C010,<1>;		Purpose: Clear authorized no. and its related authority. Note:		
Parameter	<1>	The serial no. of authorized number, range: 1~3.			
Example	C010,1;				
Reply	Succeed	C010,OK;			
	Failed	C010,FAIL;			
Command	C010;		Purpose: Clear all authorized no. and its related authority. Note:		
Parameter	None				
Example	C010;				
Reply	Succeed	C010,OK;			
	Failed	C010,FAIL;			

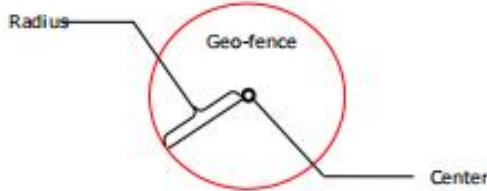
## 6.2.8 Device Mode

No.	Description	Purpose	
16	Command	W016,<1>;	
	Parameter	<1> Device mode, range: 0~2( 0 means personal mode; 1 means smart mode, 2 means vehicle mode)	
	Example	W016,1;	
	Reply	Succeed	W016,OK;
		Failed	W016,FAIL;
Note	<p>1. What is device mode? There are three modes: personal mode, smart mode, vehicle mode. In personal mode, no matter if it is moved or not, device will turn off GPS automatically. In smart mode, when it keeps still, device will turn off GPS automatically. In vehicle, no matter if it is moved or not, device will keep GPS on.</p> <p>2. In different mode, the standby time is different. Standby time from long to short: personal mode, smart mode,</p>	Purpose: Set device mode. Note:	



	vehicle mode.		
Command	R016;		Purpose: Read device mode. Note:
Parameter	None		
Example	R016;		
Reply	Succeed	R016,OK, 1;	
	Failed	R016,FAIL;	
Command	C016;		Purpose: Clear device mode. Note:After this the device mode is 0.
Parameter	None		
Example	C016;		
Reply	Succeed	C016,OK;	
	Failed	C016,FAIL;	

### 6.2.9 Geo-fence

No.	Description	Purpose	
18	Command	W018,<1>,<2>,<3>,<4>,<5>;	
	Parameter	<1> The serial no. Of geo-fence, range: 1~5.	
		<2> Name of geo-fence. In 0~9 bytes.	
		<3> The latitude Of geo-fence center point. Range:-90.00000000~90.00000000, unit: degree.	
		<4> The longitude Of geo-fence center point. Range:-180.00000000~180.00000000, unit: degree.	
		<5> The radius of geo-fence, range: 0.0~1.79E+308, unit: m.	
	Example 1	W018,1,Home,-22.12345678,114.12345678,500;	
	Reply 1	Succeed W018,OK;	
		Failed W018,FAIL;	
	Example 2	W018,2,School, , ,300; (Note: When set geo-fence, if without latitude and longitude in command, device will automatically react to get newest GPS location as geo-fence center.)	
	Reply 2	Succeed W018,OK,geo2:School start auto center;	
		Failed W018,FAIL;	
		Succeed with Getting newest GPS location as geo-fence center	geo2:School set auto center ok
		Failed to get newest GPS location as geo-fence center	geo2:School set auto center fail
	Note	1. Geo-fence illustration. 	
Command	R018,<1>;	Purpose: Read geo-fence. Note:	
Parameter	<1> The serial no. Of geo-fence, range: 1~5.		
Example	R018,1;		
Reply	Succeed R018,OK, Home,-22.12345678,114.12345678,500.0;		
	Failed R018,FAIL;		
Command	C018,<1>;	Purpose: Clear geo-fence. Note:	
Parameter	<1> The serial no. Of geo-fence, range: 1~5.		
Example	C018,1;		
Reply	Succeed C018,OK;		
	Failed C018,FAIL;		
Command	C018;	Purpose: Clear all geo-fences. Note:	
Parameter	None		
Example	C018;		
Reply	Succeed C018,OK;		
	Failed C018,FAIL;		

### 6.2.10 Time Zone

No.	Description		Purpose
20	Command	W020,<1>;	Purpose: Set time zone. Note: After setting, time and date in SMS will update to local time and date, while still are Greenwich Mean Time and date in GPRS data.
	Parameter	<1> Time zone value, range: -720~780, default: 0, unit: minute. (Note: 1 hours= 60 minutes, +8 time zone equals to 480 minutes.)	
	Example	W020,480;	
	Reply	Succeed W020,OK; Failed W020,FAIL;	
	Command	R020;	Purpose: Read time zone. Note:
	Parameter	None	
	Example	R020;	
	Reply	Succeed R020,OK, 480; Failed R020,FAIL;	
	Command	C020;	Purpose: Clear time zone. Note:After clear ,time zone is 0.
	Parameter	None	
	Example	C020;	
	Reply	Succeed C020,OK; Failed C020,FAIL;	

### 6.2.11 Data log

No.	Description		Purpose
28	Command	R028;	Purpose: Read stored GPRS data Note:
	Parameter	None	
	Example	R028;	
	Reply	Succeed R028,OK,58; Failed R028,FAIL;	
	Command	C028;	Purpose: Clear all stored GPRS data Note:
	Parameter	None	
	Example	C028;	
	Reply	Succeed C028,OK; Failed C028,FAIL;	

### 6.2.12 Basic information of equipment

No.	Description		Purpose
29	Command	R029;	Purpose: Read device basic information. Basic information includes: 1. Device_ALPHA_20131223-1_standard, Firmware Version no.. 2. spiflash ok, state of external storage chip. 3. gsensor ok, state of G sensor. 4. gps fix 062917.00 241213, newest GPS positioning time(UTC time and date) Note:
	Parameter	None	
	Example	R029;	
	Reply	Succeed R029,OK,Device_ALPHA_201312231_standard,spiflash ok,gsensor ok,gps fix 062917.00 241213; Failed R029,FAIL;	

### 6.2.13 WIFI switch

No.	Description		Purpose
39	instruction	W039,<1>;	Function: Set device WIFI on turn off. Note: 1 = turn on, 0 = turn off.
	parameter	<1> Device WIFI switch parameter, default 1	
	Example	W039,1;	
	Reply	success W039,OK; failure W039,FAIL;	
	instruction	R039;	Function: Read the WIFI switch status of the device. note:
	parameter	no	
Example	R039;		

Reply	success	R039,OK,1;	
	failure	R039,FAIL;	
instruction	C039;		Function: Clear the WIFI switch status of the device. Note: After clearing, the wifi status of the device is turned off.
parameter	no		
Example	C039;		
Reply	success	C039,OK;	
	failure	C039,FAIL;	

## 6.2.14 WIFI module

No.	Description	Purpose	
40	instruction	W040,<1>;	Function: Set the wifi mode of the device. The parameter is 1 to enable the home monitoring mode, which can be connected to the wifi base station; The parameter is 2.to enable wifi connection network mode. The device can connect to wifi and upload data to the server.The parameter is 0, it is the normal mode.
	parameter	<1> WIFI mode control, the default is 0	
	Example	W040,1;	
	Reply	success W040,OK; failure W040,FAIL;	
	instruction	R040;	Function: read the wifi mode of the device.
	parameter	no	
	Example	R040;	
	Reply	success R040,OK,1; failure R040,FAIL;	

## 6.2.15 WIFI base station added

No.	Description	Purpose		
42	instruction	W042,<1>,<2>,<3>;	Function: Set the base station to be connected to the device wifi	
	parameter	<1>		Wifi base station 1, empty by default
		<2>		Wifi base station 2, empty by default
		<3>		Wifi base station 3, the default is empty
	Example	W042,2077826840510433,;;		
	Reply	success W042,OK; failure W042,FAIL;		
Note	1. The wifi base station is used for home monitoring mode (related to wifi mode).			
	instruction	R042;	Function: read the wifi base station written by the device	
	parameter	no		
	Example	R042;		
	Reply	success R042,OK,2077826840510433,;; failure R042,FAIL;		
	instruction	C042;	Function: Clear the wifi base station of the device.	
	parameter	no		
	Example	C042;		
	Reply	success C042,OK; failure C042,FAIL;		

## 6.2.16 Alarm sound playback settings

No.	Description	Purpose		
43	instruction	W043,<1>,<2>,<3>;	Function: Set the alarm sound to play	
	parameter	<1>		Turn off other sounds except the wristband alarm, the default is 1 (1=on, 0=off) (can be omitted)
		<2>		Turn off/on the wristband alarm sound, the default is 1 (1=on, 0=off) (can be omitted)
		<3>		Whether to play the wristband alarm sound immediately/play the call center, the default is 0 (0=No sound is played,1=play the wristband alarm sound immediately, 2=play the call center)
	Example	W043,,1;!		
Reply	success W043,OK; failure W043,FAIL;			

Note		
instruction	R043;	Function: Read the alarm sound playback settings written by the device
parameter	no	
Example	R043;	
Reply	success R043,OK,1,0,0; failure R043,FAIL;	
instruction	C043;	Function: Clear the alarm sound playback switch.
parameter	no	
Example	C043;	
Reply	success C043,OK; failure C043,FAIL;	

### 6.2.17 Remote Upgrade

No.	Description	Purpose
44	instruction	W044,<1>,<2>;
	parameter	<1> Water soak alarm on/off (1=on, 0=off) <2> Water soaking alarm detection time (default 20 minutes, 100 milliseconds, range: 1-65535)
	Example	W044,1,20;
	Reply	success W044,OK; failure W044, FAIL;
	instruction	R044;
	parameter	NO
	Example	R044;
	Reply	success R044,OK,1,20; failure R044,FAIL;
		Function: Set the switch of the soaking water alarm function, the detection interval time Note: The detection time setting must be greater than 0
		Function: View the status and detection time interval of the equipment soaking in water alarm function

### 6.2.18 Switch voice broadcast language

No.	Description	Purpose
45	instruction	W045,<1>;
	parameter	<1> Speech broadcast language parameters, 0 for Chinese, 1 for English, 2 for Spanish, 3 for Thai.
	Example	W045,1;
	Reply	success W045,OK; failure W045, FAIL;
	instruction	R045;
	parameter	NO
	Example	R045;
	Reply	success R045,OK,1; failure R045,FAIL;
		Function: Set speech broadcast language,0 for Chinese, 1 for English, 2 for Spanish, 3 for Thai. Note:
		Function: Read speech broadcast language Note:

### 6.2.19 Device parameter acquisition

No.	Description	Purpose
50	instruction	C050;
	parameter	no
	Example	C050;
	Reply	success C050,OK; failure C050, FAIL;
	instruction	Q050;
	parameter	no
	Example	Q050;
		Function: The device sends this instruction to request the server to set the range of the device.

	Reply	success	After the device successfully sends the query command to the server, the server should immediately set the range of the device.	note:
		failure	There is no feedback from the server.	

### 6.2.20 Device system time

No.	Description			Purpose
51	instruction	W051,<1>;		Function: Set the system time. Note: Please use Greenwich Mean (GMT) time to set.
	parameter	<1>	System time,format:YYYY-MM-DD HH:MM:SS (Year Year Year-Month Month-Day Day Hour: Minute: Second Second).(Note: Date and time are separated by spaces)	
	Example	W051,2014-09-19 07:39:19;		
	Reply	success	W051,OK;	
		failure	W051, FAIL;	
	instruction	Q051;		Function: The device requests the system time from the server. note:
	parameter	no		
	Example	Q051;		
Reply	success	After the device successfully sends the command to the server,the server should immediately set the system time of the device.		
	failure	There is no feedback from the server.		

### 6.2.21 Remote Upgrade

No.	Description			Purpose
98	Command	W098,<1>;		Purpose: Start the remote upgrade. Note:
	Parameter	<1>	Name of firmware, range: 0~49 characters.	
	Example	W098,tracker.bin;		
	Reply	Succeed	W098,OK;	
		Failed	W098,FAIL;	
	Command	R098;		Purpose: Read the status of upgrade. Note:
	Parameter	None		
	Example	R098;		
	Reply	Succeed	R098,OK,name of firmware, received packet number, total packet number, crc type;	
		Failed	R098,FAIL;	
	Command	C098;		Purpose: Stop the remote upgrade. Note:
	Parameter	None		
Example	C098;			
Reply	Succeed	C098,OK;		
	Failed	C098,FAIL;		

### 6.2.22 Default Setting

No.	Description			Purpose
99	Command	C099;		Purpose: Clear all parameters (reset to defaults). Note:
	Parameter	None		
	Example	C099;		
	Reply	Succeed	C099,OK;	
	Failed	C099,FAIL;		

### 6.2.23 Remote Restart

No.	Description			Purpose
100	Command	W100;		Purpose: Restart the device.
	Parameter	None		
	Example	W100		
	Reply	Succeed	W100,OK;	
	Failed	W100,FAIL;		
		Note: Device will restart itself about 15 seconds later after receiving this command.		