Command list

NO.	Item	SMS Command Format	Remarks
1	Check Device status	STATUS#	
2	Check Device Parameters	PARAM#	
3	Check Device Lat. And Log.	WHERE#	
4	Check version	VERSION#	
5	Set Server IP or Domain name	SERVER,1,domain name,port,0# SERVER,0,IP,port,0#	SET OK For example: SERVER,1,WWW.ZCBGPS.COM,9891,0# SERVER,0, 47.254.174.70,6006,0#
6	Check Server Parameters	SERVER#	
7	Reset Device	RESET#	RESET OK
8	Open SOS alarm	SOSALM,ON,2#	SET OK
9	Add SOS Number	SOS,A,Number1,Number2,Number3#	SET OK
10	Del SOS Number	SOS,D,No.1,No.2,No.3#	SET OK
11	Check SOS Number	SOS#	
12	Add Center Number	CENTER,A,Center number# CENTER,A2,Center number# CENTER,A3,Center number#	SET OK set SOS number first
13	Del Center Number	CENTER,D,NUmber#	SET OK
14	APN#	APN Query	
15	APN,XXXX#	Set APN	
16	APN,XXXX,USER,PASSWORD#	Set APN and apn user,password	

17	Time Zone Setting	GMT,<A>,<b>,<b># A：E/W； E (east time zone)， W (west time zone)； Default is E B：0～12；time zone；Default：8 C：0/15/30/45；Half time zone； default：0	OK! The terminal will restart after 30 seconds!
18	Check time zone parameter	GMT#	Currently TIMEZONE(GMT): E,8,0
19	GPS Data Upload time interval	TIMER,T1,T2# T1=5～300 seconds；ACC ON time interval T2=5～1800 seconds；ACC OFF time interval	SET OK
20	Check time interval	TIMER#	HBT:10,300
21	Set Heartbeat time interval	HBT,T1,T2# T1=60～300 seconds，ACC ON timer interval T2=60～300 seconds，ACC OFF timer interval	SET OK
22	Check heartbeat time interval	HBT#	HBT:180,180
23	Active Vibration alarm	SENALM,A,M# A=ON M=0～2； Alert methods: 0 only GPRS 1 SMS+GPRS 2 GPRS+SMS+CALL	SET OK
24	Inactive Vibration alarm	SENALM,OFF#	SET OK
25	Check Vibration Alert Status	SENALM#	SENALM:1 CALL:0 SMS:0
26	Vibration sensitivity adjustment	SENSORRANGE,5# （Value Range：0-255，5 is default value）	SET OK

27	check Vibration sensitivity	SENSORRANGE#	SENSORRANGE:5
28	Check Power Off Alert	POWERALM#	POWERALM:1 CALL:0 SMS:0
29	Inactive Power Off Alert	POWERALM,OFF#（default is active）	SET OK
30	Active Power Off alarm	POWERALM,A,M,T1,T2# A=ON M=0～2； 0 only GPRS， 1 SMS+GPRS， 2 GPRS+SMS+CALL， 3 GPRS+CALL （T1=2～60 seconds；detect power off time，default is 5； T2=0-3600seconds；ACC ON to OFF (the min change time，default：30seconds；）	SET OK
31	Active Low Battery Alert	BATALM,A,M# A=ON M=0～3 0：only GPRS 1：SMS+GPRS	SET OK
32	Inactive Low Battery Alert	BATALM,OFF#	SET OK
33	Check Low battery Alert Status	BATALM#	BATALM:1 SMS:1 CALL:0
34	Active Movement Alert	MOVING,A,R,M# A=ON R=100～1000 Radius M=0～2； 0 only GPRS 1 SMS+GPRS 2 GPRS+SMS+CALL	SET OK
35	Check movement alert parameters	MOVING#	MOVING:0-0 SMS:0 CALL:1
36	Inactive movement alert	MOVING,OFF#	SET OK

37	Set SOS (SMS and Call alert)	SOSALM,ON,M# A=ON M=0～3； Alert methods: 0 only GPRS 1 SMS+GPRS 2 GPRS+SMS+CALL	SET OK
38	Set mode for sleep	SZCS#SLPDISCONNECT=A	A=0 Keep connecting with platform for sleep mode A=1 disconnect platform for sleep but SMS works A=2 disconnect platform for sleep and SMS not work
39	check work mode for sleep	CXCS#SLPDISCONNECT	
40	Restore Factory setting	FACTORY#	FACTORY OK

Basic product introduction

1.1 Product introduction

WD01 is a 4G full Netcom positioning terminal carefully built for pets or personal. It integrates 4G full Netcom wireless communication technology and GPS/BDS satellite navigation and positioning technology. The terminal adopts industrial-grade high-integration full built-in antenna design. , intelligent power-saving wake-up work. It has the functions of real-time positioning, vibration alarm, light pet search, and other functions. Three working modes can be set to meet various application scenarios of customers, and users can send instructions to switch working modes. With the global positioning service platform, the location of the device can be queried anytime, anywhere.

1.2 Application field

Personnel positioning, pet positioning, passenger vehicles, etc.

1.3Product pictures

1.4 Product introduction

1.4.1 SIM card installation method

After removing the collar and fixing the silicone buckle, use a screwdriver to unscrew the back cover for installation.

1.4.2 Indicator light description

- Red light - charging indicator

Light Status	Meaning
Always on	Charging in progress
No light	Fully charged

- Yellow light - GSM indicator

Light Status	Meaning
Flash 1 time in 2 seconds	GSM initialization

Always on	GSM communication normal
No light	GSM sleep/shutdown

- Blue light - GPS indicator

Light Status	Meaning
Flash 1 time in 2 seconds	Satellite signal search in progress
Always on	GPS/BDS is located
No light	GPS/BDS dormant

2. Features

- GPS+LBS multiple positioning.

- Support electronic fence function, the user through the platform/APP delineate virtual electronic fence, when the device in and out of the fence can be identified by the platform and send out alarms.

- Can send alarm SMS/phone call to the guardian number when an alarm occurs, and the alarm is uploaded to the platform at the same time.

- The terminal adopts industrial grade high stability GPRS module of well-known manufacturers, built-in GSM high sensitivity antenna, supports TCP/IP data transmission, supports domain name/IP address to connect to the server.

- Built-in large-capacity storage chip, support data storage in offline state, blind area data replenishment transmission; when the pet is in a place with weak wireless signal

- serious interference, the data of the pet walking is temporarily stored in FLASH, and when the wireless signal returns to normal, it can replenish these data, so that the data is not missed.

- Built-in 3-axis acceleration sensor, fused with accurate acceleration algorithm, real-time access to the pet's current posture and other situation judgments.

- High-sensitivity GPS/BDS dual-star positioning module, anti-jamming ceramic antenna to achieve a more stable signal for star search, support for AGPS fast positioning tracking and synchronized timing.

- support online remote upgrade, remote configuration of product parameters.

- Historical track platform retains 180 days.

3. Working mode switching command description

Working Mode	Mode Interpretation	Mode switch command
Always online mode	reporting time 60 seconds, platform online after sleep, SMS available	MODE1,60#
Timed mode	5 minutes reporting, platform offline after sleep, SMS available	MODE2,5#
SMS standby mode	not connected to the platform, SMS available	MODE3#
Short connection mode	reporting time 60 seconds, module power off after sleep, standby by MCU	MODE4,60#
Timed mode	5 minutes reporting, module power off after sleep, standby by MCU	MODE5,5#
Extra-long standby wake-up mode	wake up once every 4 hours, connect to the platform, wait for SMS for 20 seconds	MODE6,3,120,240#

Trouble shooting

When operating the GPS device, if it is not work properly, please refer to the following problems and solutions; if the problem still cannot be solved, please contact the dealer.

Common Problems	Reasons	Solutions
Poor signal	Test at areas where there are high buildings or underground parking lots, where radio waves cannot be sent or received normally.	Use it at a good signal place
platform shows device not activated after first installation	Main power supply connected correct or not	Do not connect to the main control line of the vehicle

		SIM inserted not correct	Check the SIM card
		Check LED status	Check if the indicator is blinking or steady
		SIM without GPRS activated or SIM card out of charge.	Please contact carrier to activate GPRS or charge
		Ip and port not correct (can check by SMS command)	Revise the ip and port by SMS command
Platform map shows incorrect location		GPS not locate	Please go to outdoor place where GPS signal is good
		Vehicle did not move after installation	Please drive the vehicle on the road
		ACC connected or not	Connect the device and turn on ACC
Platform shows the main power disconnect		Poor power supply connection	Check whether the power supply line of the device connected correct or not
Platform shows device offline		SIM card out of charge, or GPRS was canceled	Please check your SIM card
		Weak signal area	Please try again at good signal area

Warranty card

合格证
QUALIFIED CERTIFICATE

检验员:
(CHECKER)_____ (07)

Special statements:

1. If there is any technical modification for this product in the future, no further notice.

2. If the appearance or color of the product were changed, please refer to real product.

3. The warranty card is only applicable to product with IMEI number listed as below.

4. Please keep this card in good condition. Please present this card and the original purchase receipt when you apply warranty.

5. Please refer to the table below for the warranty range.

This card is the basic proof of the warranty. Please fill in the card carefully and keep it in good condition.

User Name		Telephone Number	
Address			
Model No.		IMEI	
Purchasing Date		Commercial invoice No.	
Seller Name			
Seller Add			
Seller Tel			

1. One year from the date of purchase, the non-human damage failure is guaranteed for one year;

2. Any of the following conditions is not covered by the warranty, but can be repaired if you pay the cost

    (1) Exceeding the warranty period;

    (2) Damage caused by unauthorized disassembly or repair without the authorization of our company;

    (3) immersed in water and the circuit board was burnt;

    (4) Damage caused by improper installation, use, maintenance or storage;

    (5) damage of outer casing caused by the improper use;

    (6) The IMEI number of the product is torn or blurred;

    (7) The warranty card and product model No. not match, or the warranty card was altered;

    (8) Damage caused by force majeure.