

MP20 Pet Tracker

User Manual V1.0



Preface

Thank you for choosing this Pet tracker. This manual shows how to operate the device smoothly and correctly. Make sure to read this manual carefully before using this product. Please note that specification and information are subject to changes without prior notice in this manual. Any change will be integrated in the latest release. The manufacturer assumes no responsibility for any errors or omissions in this document.

Contents

1. Overview	1
2. Application.....	1
3. Specifications.....	1
4. Package	2
5. How to Install it.....	2
6. Hardware Description.....	3
6.1 Appearance	3
6.2 LED Indications.....	3
6.2.1 Blue LED-GPS indicator	3
6.2.2 Orange LED-GSM indicator.....	3
6.2.3 Red LED-charge indicator	3
6.3 Tracker Recharge	3
7. Work Mode.....	4
8. Default Work Mode.....	4
9. Main Operation and Application	4
9.1 Set Authorization Phone Number	4
9.2 Delete authorization number.....	4
9.3 Work Mode.....	4
9.4 Change the password.....	4
9.5 Single Locating	5
9.6 Request location with Google Map link.....	5
9.7 Monitor.....	5
9.8 Phone position and Talk Mode function.....	5
9.9 SOS Alarm	5
9.10 Daily Report.....	6
9.11 Geo Fence (The Default is 500 meter).....	6
9.12 Overs peed Alarm	6
9.13 Set Time Zone.....	6
9.14 Low Power Alarm.....	6
9.15 Voice Alarm Function.....	7
9.16 Set Sleep Mode	7
9.17 Set APN(Access Point Name)	7
9.18 Set Server IP and PORT.....	7
9.19 Set GPRS Upload Interval Time	7

1. Overview

GP20/MP20 is the latest Waterproof Pet GPS Tracker. This device can locate and monitor any remote Pets by SMS or Internet. It also has two-way voice communication and remote listen-in functions. The unit features excellent and stable work performance. It is used for personal (kids/elderly) tracking and fleet management.

2. Application

- GSM 850/900/1800/1900Mhz works worldwide.
- Track by SMS/GPRS
- Real-time Position inquire
- Report SMS with Google Maps Link
- Two-way Voice Communication
- Listen-in (Voice Monitoring)
- History trace Display
- SOS Alarm
- Geo-fence Alarm
- Low battery Alarm
- Over-speed alarm
- Waterproof IP65
- Long Standby Time for 5 days

3. Specifications

Item	Specifications
GSM Frequency	GSM 850/900/1800/1900MHz
GPS Chip	U-BLOX7
GPS Sensitivity	-162dBm
Channel	56 Channel
Positioning Accuracy	5~10 Meters
Hot start	1s on average
Warm start	28s on average
Cold start	29s on average
Working temperature	-25°C to 55°C
Humidity	5%~95% non-concretion
Backup battery	Chargeable 3.7V 1000mAh Li-ion battery

Item	Specifications
Charging Voltage	Micro USB interface DC 5V
Weight	55g
Dimension	80(L)*37(W)*18(H)mm
Waterproof	IP65
Standby	5 days

4. Package

- 1* MP20 Pet Tracker
- 1* Adapter
- 1* Nylon Collar
- 1* USB Cable
- 1* User Manual

5. How to Install it

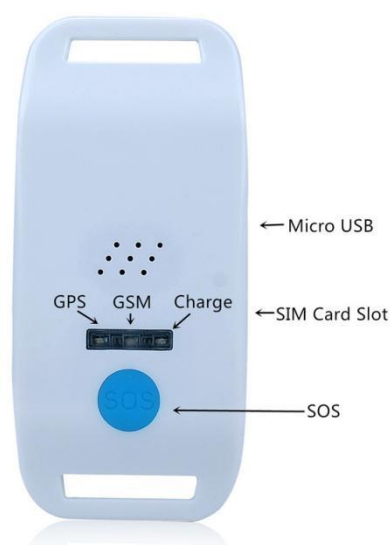
- Get ready a SIM Card
- Disconnect the waterproof bloc, insert the SIM Card.

Pay Attention:

- Tracker will POWER ON automatically after insert the SIM card
- SIM Card should open the GPRS function
- SIM Card should open the "Caller ID display" function
- If your SIM Card is open and need enter SIM PIN, please check your mobile phone user manual and close the SIM PIN function
- Please confirm that the SIM Card have enough money。
- To avoid the thief break it, please put the tracker in a covert place
- Tracker have internal GSM and GPS antenna, please ensure that the tracker should face the sky without any metal block it

6. Hardware Description

6.1 Appearance



6.2 LED Indications

6.2.1 Blue LED-GPS indicator

Status	Description
Light ON	GPS work normally
Light Flash	NO GPS or GPS search signal

6.2.2 Orange LED-GSM indicator

Status	Description
Light ON	GSM Work Normally
Light Flash	No GSM or GSM search net

6.2.3 Red LED-charge indicator

Status	Description
Light ON	Under charging
Light OFF	Normally Work or Full Power

6.3 Tracker Recharge

Please recharge above 12 hours in the first recharging and use the original charger and battery. Pay Attention:

- Our battery have chemical composition ,please do not break or stick and throw it in the fire .

- Please keep the battery have enough power

7. Work Mode

This tracker has two work mode which is SMS and GPRS Mode. SMS mode is for off line tracking by Mobile phone. GPRS Mode is for on line tracking by computer and mobile phone .

8. Default Work Mode

- The Original password of the tracker is : 0000
- The Default work mode is : SMS Mode
- The Default Voice is : ON
- The GPS work status : A means GPS work normally . V means no GPS
- The Battery Status : 5 means 100% power, 1 means 20% power

9. Main Operation and Application

9.1 Set Authorization Phone Number

Instruction format: phone number+User password+Space+Sequence number (1-3)

E.g.: 134243923300000 1

Reply:SET OK.

Note: 1. The device defaulted password is 0000.

2. The device can only authorized 3 cell phone numbers

9.2 Delete authorization number

D101# (delete the first authorization phone number)

D102# (delete the second authorization phone number)

D103# (delete the third authorization phone number)

9.3 Work Mode

This tracker have two work mode which is SMS and GPRS Mode. SMS mode is for off line tracking by Mobile phone. GPRS Mode is for on line tracking by computer and mobile phone .

SMS Mode: 700+ user password

E.g.: 7000000

Reply: SET OK

GPRS Mode: 710+ user password

E.g.: 7100000

Reply: SET OK

9.4 Change the password

Instruction format:777+new password+old password

E.g.:77712340000

Reply:SET OK.

9.5 Single Locating

Instruction format: 666+user password

Example: 6660000

Reply: when you send out this command you can get SMS reply as follow:

La: +22 33.7859

Lo:+114 05.5514

Date: 2013-12-27

10:12:30

ID: 8803000003

STATE: ACC OFF

Bat:6

9.6 Request location with Google Map link

Instruction format:669+ user password

Example: 6690000

Reply: when you send out this command you can get SMS reply as follow:

<http://maps.google.com/maps?q=22.56312%2c114.09191>

FIX:A,2013-12-27

10:15:30

9.7 Monitor

Instruction format: 66

Reply : SET OK

Note: Only the authorization phone number send command to the tracker, then tracker will call the phone number and be the monitor mode .

9.8 Phone position and Talk Mode function

Any Phone call the tracker, if nobody hang on the phone from the SOS button of the tracker above 10 times ring sound, then tracker will hang off the phone and send a position message(Google link message) to the sender automatically , if hang on, then tracker will enter in talk mode and will not send the position message any more.

if the tracker no GPS, user call the tracker, tracker will reply a incorrect message to the first sender number, once GPS work normally, tracker will send a new message to the sender number automatically. That is mean one call and two message if no GPS and one call with one message if GPS work normally .

Note: Press SOS button one time is for hang on the phone , press SOS button two times is for hang off the phone .

9.9 SOS Alarm

When press the SOS button for 3 seconds,tracker will call and send the position message to the 3 authorization phone number automatically.

Note: If the first authorization phone number hang on the phone,then tracker will not

call and send message to the second and third authorization phone number .

9.10 Daily Report

Enable Daily report: 665+user password+HHMM

E.g.: 66500001022

Reply: SET OK.

Disable Daily report: 665+user password+OFF

E.g.: 6650000OFF

Reply: SET OK

Note:1.HH stands for hour with defined range of [00, 23]. MM stands for minute with defined range of [00, 59].

2. Only send Daily Report to the first authorization phone number

9.11 Geo Fence (The Default is 500 meter)

Set Geo Fence : 005+user password+Space+D

E.g: 0050000 1000 (1000meter)

Reply: SET OK

Turn On Geo-fence: 211+ password

E.g: 2110000

Reply: SET OK

Turn OFF Geo-fence: 210+ password

E.g: 2100000

Reply: SET OK

Note: Only send alarm message and call to the first authorization number

9.12 Overs peed Alarm

Instruction format: 122+user password+Space+Speed

E.g.: 1220000 120

Reply: SET OK

Instruction format:122+user password+0

E.g. : 1220000 0

Reply : SET OK

Note: 1. Speed unit is KM/H with defined domain of [0, 999].

2. Tracker will send alarm message and call to the 3 authorization number.

9.13 Set Time Zone

Instruction format: 896 + user password + D + NN

E.g.: 8960000E08

Reply : SET OK

Set Zero Time Zone: 896+user password+space+00

E.g. : 8960000 00

Note : The Default time zone is : 0 Time Zone

9.14 Low Power Alarm

While device detect internal battery is low power, it will send low power alarm SMS to

the first authorization number..

9.15 Voice Alarm Function

Voice ON:150+password

E.g.:1500000

Reply:SETOK

Voice OFF:151+password

E.g.:1510000

Reply:SET OK

Note: in voice on mode, phone alarm open, in voice off mode,phone alarm off .

9.16 Set Sleep Mode

Open Sleep Mode: SLEEP+User Password+Space+Time

E.g.: SLEEP0000 1

Reply: SET OK

Close Sleep Mode: SLEEP+User Password+Space+0

E.g. : SLEEP0000 0

Reply : SET OK

Note: Time is mean Sleep Time, the unit is : minute . when tracker above the set time without receive any command, Tracker will close GPS/GSM/Power in sleep mode for save power, once shake, tracker will wake up again and follow this cycle automatically .

9.17 Set APN(Access Point Name)

Instruction format1:803+user password+Space +APN

E.g.: 8030000 CMNET

Instruction format2:#803#password#APN#APN user name# APN password##

E.g.: 8030000 CMNET INTERNET INTERNET

Reply: SET OK.

9.18 Set Server IP and PORT

Instruction format:804+user password+ Space+IP+Space+Port

Example: 8040000 192.168.1.1 9115

Reply:SET OK.

9.19 Set GPRS Upload Interval Time

Instruction format:05+User Password+Space+interval time

E.g.: 8050000 30

Reply:SET OK.

Note: interval time unit is second and the range is [1,180000].