Mini Trackers Series

Based on GSM (AGPS) technologies

Private Eye 1st

I2R-ST-CID-V1.0

User Manaul

V 3.05

Mini AGPS Tracker

NOTICES

1. Before using the I2R-ST-CID-V1.0, users, please, must carefully read these following terms.

2. The I2R-ST-CID-V1.0 is one of the GSM mobile product, users shall operate under the coverage of GSM signals.

3. The I2R-ST-CID-V1.0 is with the powerful <u>tracking</u> and <u>monitoring</u> functions, users must apply it in the legitimate circumstances. In case of any illegal applications (Such as the invasion of the privacy) to have any impact on the human right, all of the legal responsibilities will be taken by the users.

4. The I2R-ST-CID-V1.0 receives the location messages via the cellar base stations, sometimes it will occur the drafting of the positions since the messages transmitting characteristics of the cellar base stations.

5. I2R-ST-CID-V1.0 is the GMS (850/900/1800/1900 MHz) modem, when using I2R-ST-CID-V1.0, the users shall buy the SIM card (or no contract SIM card type), the basic requirement of SIM card must have "Short Message Service", also without the password.

6. Users must read the user manual before applying I2R-ST-CID-V1.0, please follow the instructions of the user manual.

7. Due to the flight safety issue, the user must turn off I2R-ST-CID-V1.0 when taking the flight.

8. As like the other GSM mobile products may affect the operation of the electromagnetic wave of medical equipment, If you wear a heart rate monitor, shall not put GSM device on the front of the chest, the best keeping at least more than six inches away from GSM device. It is also same as using for the other medical equipments, the user must turn off the tracking devices.

9. Users shall not take the antenna of I2R-ST-CID-V1.0 apart, also using the other types of antenna. It will seriously bring the bad quality of the reception of the I2R-ST-CID-V1.0, furthermore, it will damage the healthy.

10. I2R-ST-CID-V1.0 is the high frequency equipment, it could bring the explosion when operate in the volatile liquid

11. Users shall not disassembly the I2R-ST-CID-V1.0 by themselves, just please contact the service center if there is any problem.

12. I2R-ST-CID-V1.0 built in the rechargeable Li-ON battery, the battery life recession by the operating time. When the operating time become less after fully recharging the battery, user must change the new battery.

13. User must use the battery approved by the vendor, it could be possible to bring any damage to I2R-ST-CID-V1.0 when using the other batteries.

14. Users shall not take apart, change or solder the battery, it could damage the isolate of the battery, furthermore bring the damage to the I2R-ST-CID-V1.0

15. Users shall not recharge the battery under the abnormal circumstance; it will damage the circuit protection of the battery.

16. When disassemble the I2R-ST-CID-V1.0 or remove "the warranty label", the warranty will be invalid.

Content

1. Overview

Welcome to use the I2R-ST-CID-V1.0, the design-oriented concept of the I2R-ST-CID-V1.0 is to bring the human beings the full-scale security with economic cost, using the advanced mobile phone AGPS technologies, it contributes the functions are as followings;
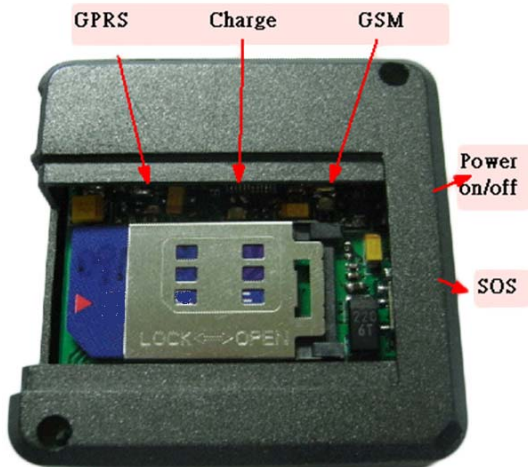
- SOS emergency from the I2R-ST-CID-V1.0
- The current locations nearby the I2R-ST-CID-V1.0
- Receiving the voices around the I2R-ST-CID-V1.0
- Communication between the mobile phones and the I2R-ST-CID-V1.0

The I2R-ST-CID-V1.0 is able to widely use at any place under the GSM coverage, the home, the office, the car, the pets and the value assets, easy installation to go on the way.

2. Applications

- Vehicle security
- Personal private eye
- Home security
- Office security
- Kids and pets security
- Assets security
- Emergency 911

3. LED Indicators Definition

Indication	Conditions	LED display
Service		Green LED On (GSM) Red LED On (Charge) Orange LED On (GPRS)
Service	No SIM Card Inside	Green LED On (GSM) Orange LED On (GPRS)
Mode	GSM connection is successful GSM connection failed	Green LED is blinking every 3 sec Green LED On
	GPRS connection is successful GPRS connection failed	Orange LED is blinking every 5 sec Orange LED Off
Battery	Charging	Red LED On
	Fully charged	Close

4. Electrical Characteristics

	Power Consumption
Operation mode	
Standby mode	

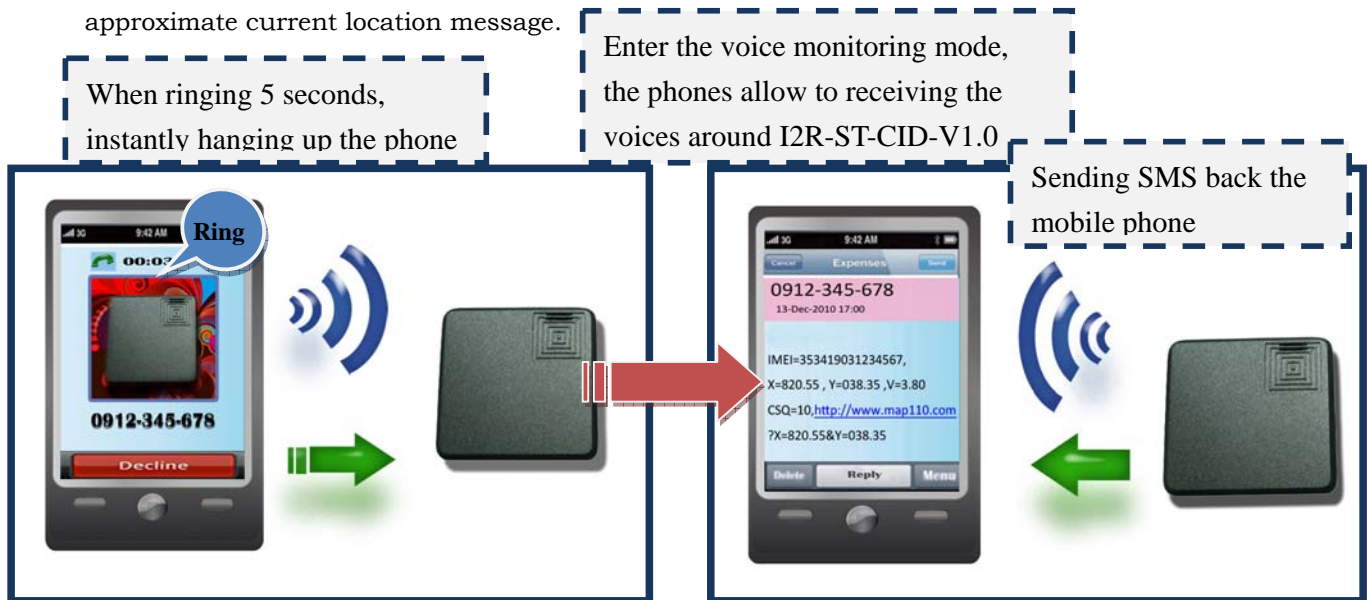| Parameter		Specification
Temperatur	Operating	-20℃~+65℃
	Storage	-40℃~+80℃
Humidity		5%~95%
Storage		6 months in original vacuum package.

5. Function Introduction

- **SOS Emergency Call**

    - Turn the "SOS" switch to be "ON", I2R-ST-CID-V1.0 will enter the "SOS" mode.
    - When in the SOS mode, it will send one SMS TO the sets of the pre-setting mobile phone numbers. In the mean time, I2R-ST-CID-V1.0 will automatically re-call to the master mobile phone.
    - When the master mobile phone receives the call, it will monitor the voices nearby I2R-ST-CID-V1.0. (5 meters radius)
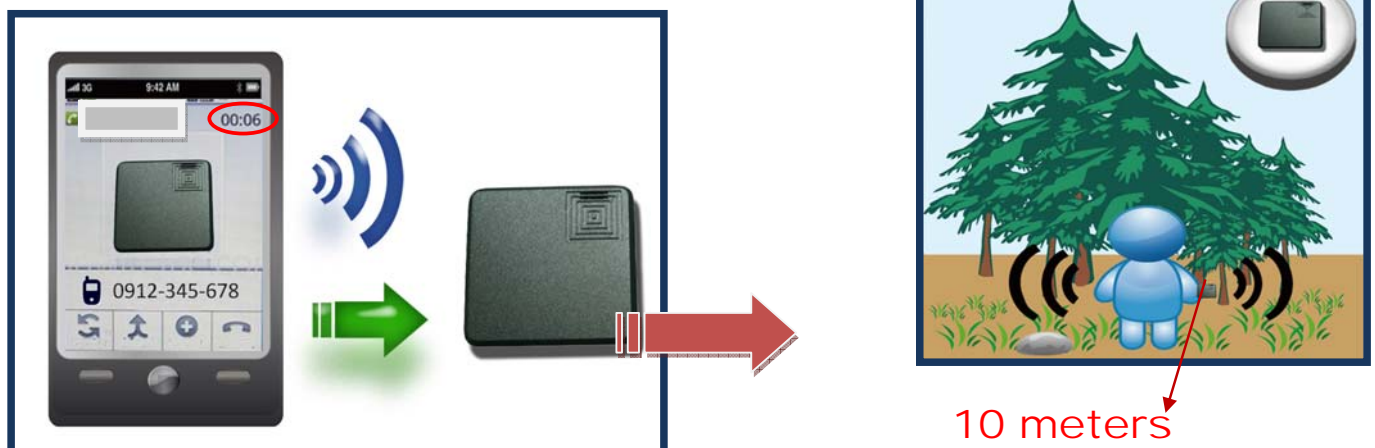
Approximate location Message

- When the master mobile phone makes the phone call to I2R-ST-CID-V1.0, immediately hang up the master mobile phone when it is ringing 5 seconds.
- I2R-ST-CID-V1.0 will automatically send the SMS to the master mobile phone to inform the approximate current location message.
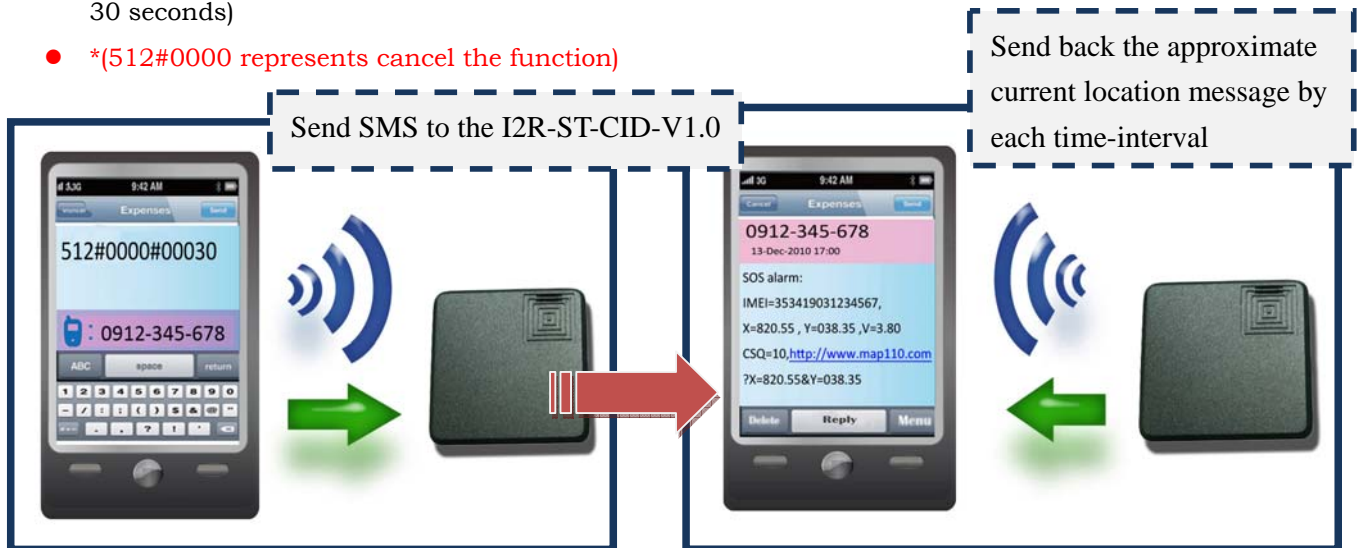
When ringing 5 seconds, instantly hanging up the phone

Enter the voice monitoring mode, the phones allow to receiving the voices around I2R-ST-CID-V1.0

Sending SMS back the mobile phone

Voice monitoring mode

- When the master mobile phone make the phone call to I2R-ST-CID-V1.0, after 6 seconds, I2R-ST-CID-V1.0 will be in the voice monitoring mode to receive the voices nearby the surroundings of the I2R-ST-CID-V1.0 (5 meters radius)

10 meters

7

Report the approximate location messages by the interval-time

- The master mobile phone send the SMS with 512#0000#00030 to I2R-ST-CID-V1.0, It will send the SMS back to the master mobile phone per 30 seconds to report the current approximate location.
- (512#0000#000**130** represents 1 minute 30 seconds, 512#0000#**020130** represents 2 hrs 1 minute 30 seconds)
- *(512#0000 represents cancel the function)

Send SMS to the I2R-ST-CID-V1.0

Send back the approximate current location message by each time-interval

512#0000#00030

: 0912-345-678

0912-345-678
13-Dec-2010 17:00

SOS alarm:
IMEI=353419031234567,
X=820.55 , Y=038.35 ,V=3.80
CSQ=10,http://www.map110.com
?X=820.55&Y=038.35

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6. SMS command

Command	Example	Response	Description
001	001#0000	MSP320V20100323.01.V5.PN (MAP110V10101901E)	Identify the I2R-ST-CID-V1.0 version
510	510#0000#internet 510#0000 cancel APN	SETUP OK: APN=internet IP=192.168.159.111 PORT=6543	Configure the APN/IP/Port
512	512#0000#000030 512#0000	SETUP OK: Interval time=00:00:30	Configure the SMS report by the time interval(HH:MM:SS)
515	515#0000#0981355266	SETUP OK: SOS phone number: 0981355266	Configure the SOS mobile phone number
516	516#0000#0981355266 516$0000	SETUP OK: Monitor phone number: 0981355266	Set up the mobile phone number for the listening mode The default value is for all of the mobile phone numbers
520	520#0000	APN=internet IP=192.168.159.111 PORT=6543	Identify APN/IP/Port
522	522#0000	Interval time=00:00:30	Identify the interval time for report from the I2R-ST-CID-V1.0 (HH:MM:SS)
525	525#0000	SOS phone number: 09816XXXXXXX Master phone number: 09816XXXXX	Identify the SOS& master phone number
700	700#0000	SIM card erase finish	Erase all of information in the SIM card
701	701#0000	Serial Flash erase finish !	Erase all of the configure setting in the flash memory PN/IP/Port)
SOS alarm	Press SOS button	SOS Alarm: the approximate current location	Sending the approximate location when in the emergency SOS

7. Configuration Introduction

(GSM only)

Insert the SIM card with GSM function, the initial settings procedures are as followings;

Step 1 :

Sending one SMS to the given mobile phone numbers to initiate SOS function, ex. 515#0000# **0918782957**, 0918782957 is the given mobile phone number for SOS event.
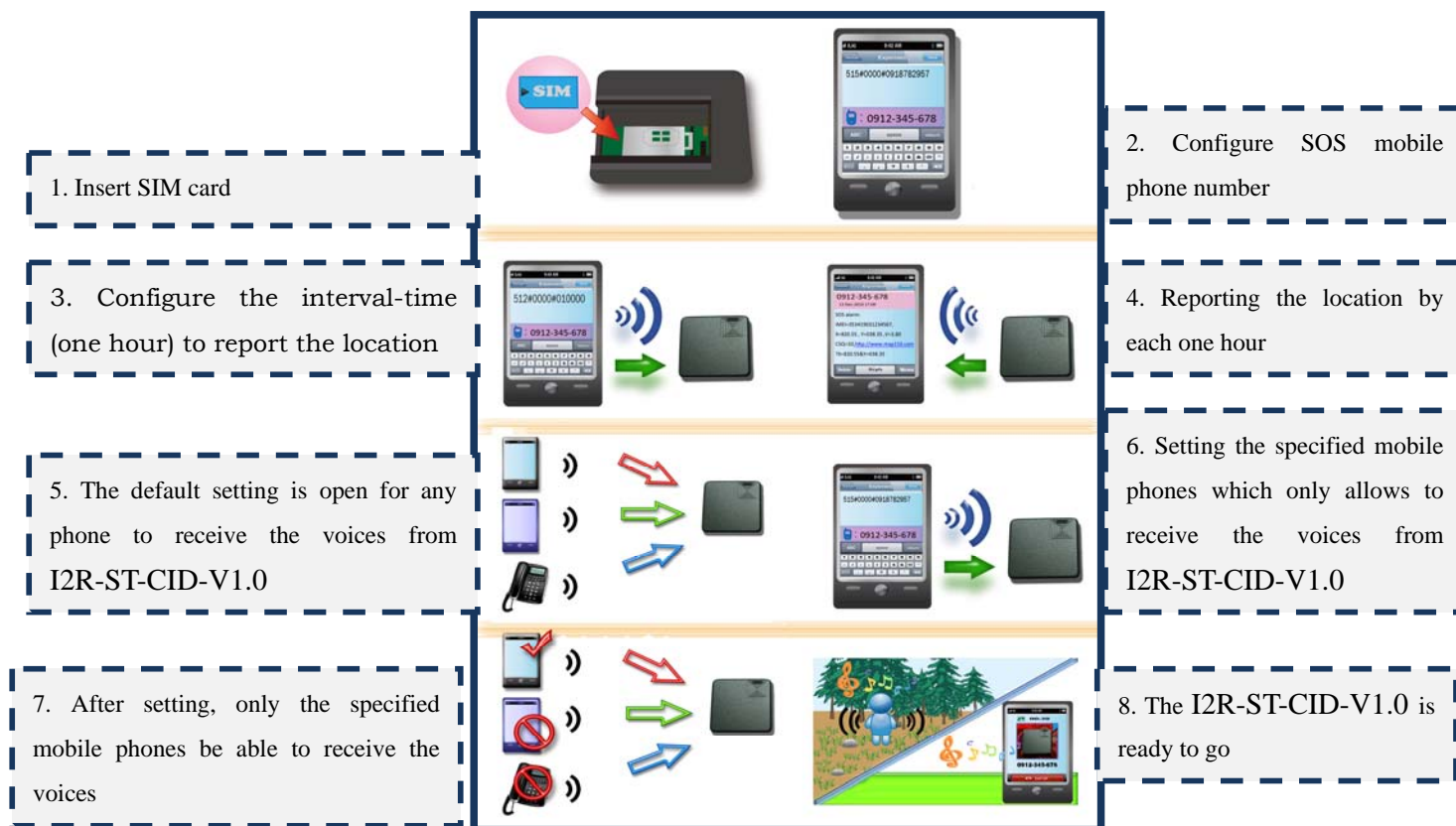
Step 2 :

If users need the MAP110 server to send the I2R-ST-CID-V1.0 current locations to them by the interval time, users can send one SMS (512#0000#010000) to I2R-ST-CID-V1.0, the MAP110 server will send the I2R-ST-CID-V1.0 current location by one hour. 512#0000#010000, 010000 means 1 hour. The detail information, please read SMS commands table.

Step 3 :

The default setting of I2R-ST-CID-V1.0 allows all of the phones to be able to receive the voices nearby I2R-ST-CID-V1.0, if users only allow the fixed mobile phones to receive the voices, the SMS command setting is

516#0000#**0918782957**, **0918782957** has been allowed to receiving the voices nearby I2R-ST-CID-V1.0.

1. Insert SIM card

2. Configure SOS mobile phone number

3. Configure the interval-time (one hour) to report the location

4. Reporting the location by each one hour

5. The default setting is open for any phone to receive the voices from I2R-ST-CID-V1.0

6. Setting the specified mobile phones which only allows to receive the voices from I2R-ST-CID-V1.0

7. After setting, only the specified mobile phones be able to receive the voices

8. The I2R-ST-CID-V1.0 is ready to go

8. How to receive the current approximate location from the server ?

1. Just please give the call to the I2R-ST-CID-V1.0, when it is ringing, hanging up the call, It will send the SMS with the current location to the mobile phone.

   SMS messages are as followings;

   "Location : IMEI=353419031649360, X=030.44, Y=140.14, V=3.62

   http://www.map110.com?X=030.44&Y=140.14"

2. Linking to www.map110.com, input X and Y values.

9. How to always keep receiving the voices nearby the I2R-ST-CID-V1.0 ?

Just giving the call to the I2R-ST-CID-V1.0, after ringing is over 6 seconds, it will be in the listening mode, the users will receive the voices nearby the I2R-ST-CID-V1.0.

10. Accessories

Battery pack (Optional)

Capacity	Operation time	Interface	Dimension (cm)
8,800 mA (AAAA recyclable batteries	150 hours for I2R-ST-CID-V1.0		10.5(L)x8(W)x2(H)

Voltage Adaptor (Opitonal)

Input Voltage	Output Voltage	Current	Dimension (cm)
9v-40v (AC)	3v-5.5v (AC)		213 (L) X 1.5(W) X 1(H)

12. Order information and Packaging

12. Warranty & Insurance

1. Warranty : one year

    *All of the products must be used by the instructions of the user manual

    *Under the following conditions, the repair fee will be charged within the warranty period (one year)

    ● Not following the instructions of the user manual
    ● Disassembly the I2R-ST-CID-V1.0 without the permission of the authorized distributors and service centers
    ● Inaccurately using the input voltage to damage the I2R-ST-CID-V1.0
    ● The appearances of the I2R-ST-CID-V1.0 has been decayed by the nature factors or damaged by the nature disaster.

2. Each product is electrically tested prior to packing and shipping to ensure the I2R-ST-CID-V1.0 performance and quality.

If there is any question or further assistances from us, please feel free to contact our local services centers or distributors or directly contact us at any time.

<p align="center">support@i2rlabs.com</p>

Contact Information

We hope this user manual will be helpful to the user to get the most out of the trackers, furthermore feedback inputs about errors or mistakable verbalizations and comments or proposals to our local distributors for further improvements are highly appreciated.

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