

REALPTT

Network Trunking Dispatcher System

Technology Solutions

Shenzhen Corget Technology Co., Ltd.

Overview.....	2
Function Description.....	3
1: PC dispatcher Interface.....	3
1.1: Interface partition.....	3
1.2: Icon description.....	4
2: Operation Introduction.....	6
2.1: Login settings.....	6
2.2: Tool bar.....	6
2.2.1: All call.....	7
2.2.2: Call logs.....	8
2.2.3: Contacts.....	9
2.2.4: Options.....	11
2.3: Status bar.....	12
2.4: Group operation.....	12
2.5: User function.....	14
2.5.1: Send message.....	15
2.5.2: Invite dynamic group.....	16
2.5.3: Force to join.....	17
2.5.4: Disconnect.....	18

2.5.5: Stun.....	18
2.5.6: Lone worker time.....	19
2.5.7: View on map.....	21
2.6:Two display modes.....	22
3: Map function.....	24
3.1: Location and GPS tracking display area.....	25
3.1.1: Check location.....	25
3.1.2: GPS tracking.....	25
4: Functional operation area.....	28
4.1: Geo-fencing.....	28
4.2: Drawing line.....	32
4.3: Drawing mark.....	33
4.4: Multiple selection and polygon selection ptt call.....	34
4.5: Distance measurement.....	35
5: Function setting area.....	35
5.1: Setting.....	35
5.2: KML.....	42
5.3: Fence.....	43
5.4: Member.....	44
6: GPS, message and fence event display area.....	44
6.1: GPS information.....	44
6.2: Sent and received message.....	44
6.3: Fence event.....	45
7: SOS.....	45

Overview

Realptt dispatcher, which is based on multifunctional and visualization dispatching system,It includes inviting dynamic group, group calls, call call, force to join, message, disconnecting,stunning,monitoring, GPS tracking,lone worker time,sos,patrol,etc. It can provide timely dispatching function for company. Operation environment of Realptt pc dispatcher is Windows system, it is recommended to use 1024 x768 screen resolution.

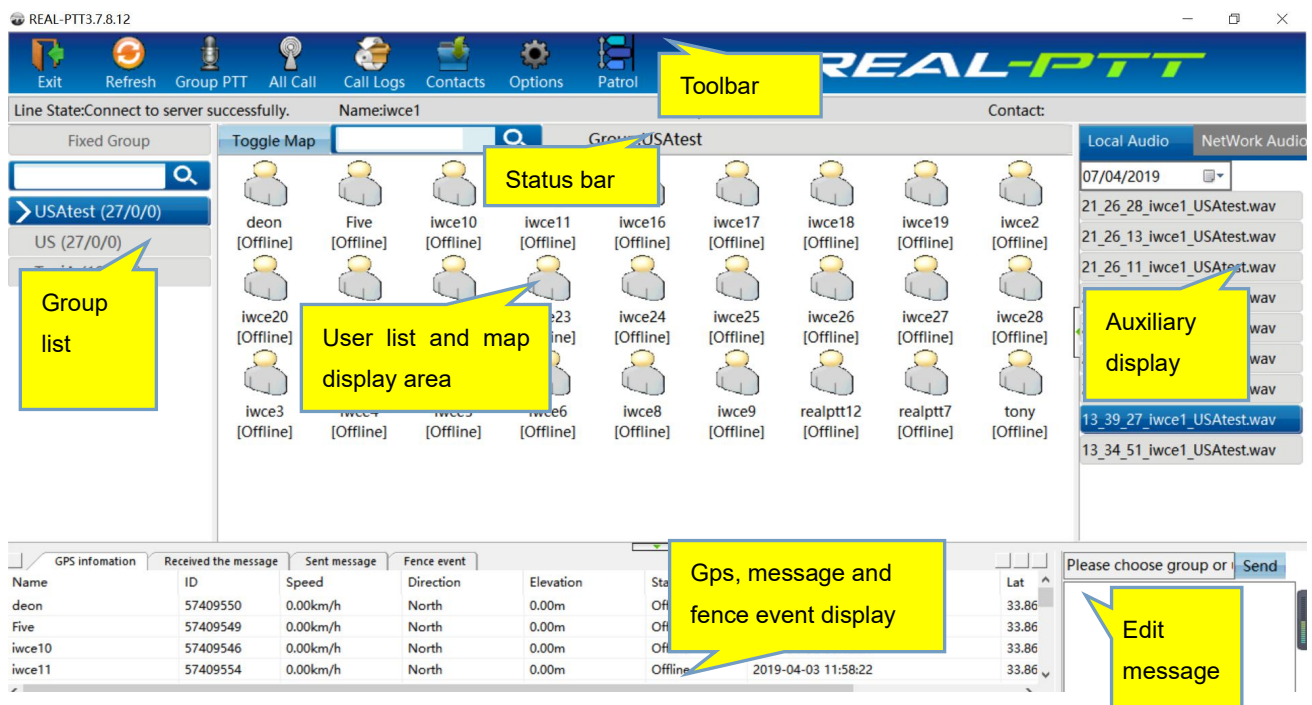
Function Description

- 1:Group Call: After entering the group, you can make calls to all online users in this group, and you can also receive calls from other users in the group.
- 2:Dynamic group: The dispatcher can select one or more online users to make a private call or establish a dynamic group call.
- 3:Private call: The user can make one to one private call.
- 4:Force to join: The dispatcher can force a certain user to enter the group.
- 5:Disconnect: The dispatcher can force a user to leave the group.
- 6:Stun: The dispatcher can force a user to go offline and pause this user.
- 7:Monitoring: The dispatcher can monitor the calls of multiple groups, the call of monitored groups can be heard by the dispatching user.
- 8:Call logs:It can view these recent call logs, calls logs can be displayed,double-click the audio record, the call logs are saved on the computer folder, the folder for the call logs can be found in the folder where the dispatcher is installed.
- 9: All call: Make calls to all users, which belong to group list on the pc dispatcher.

1: PC dispatcher Interface

1.1: Interface partition

After the user has successfully logged dispatcher station, the system automatically displays the main interface dispatch operations



Dispatcher main interface

As shown above, main interface of dispatcher consists of the following components:

- **Toolbar:** It provides "exit", "refresh", "group ptt", "all call", "call logs", "Call logs", "contacts", "Options", "Patrol", etc, it can help users to quickly view.
- **Status bar:** It can display the network state of dispatcher, the group info, the name of login in and the call info, etc.
- **Group list:** It is on the left side on the main interface, it can display all groups and group information.
- **User list and map display:** It is in the middle of of the main interface, displaying the user status information of the selected group, user gps information in the map.
- **Auxiliary display area:** it is right side of user display area, It is mainly assist dispatcher functions display, such as viewing contacts list, viewing call audios, etc.
- **Gps, message and fence event display:** It is in the below the main interface, display sent messages, received messages, and user location information and fence event activity.
- **Edit Message:** It is on the lower right corner, It can edit the message to be sent.

1.2: Icon description

User status can be displayed by icons, the meaning is as follows:

User status icon



User online

User status icon: It shows that user is online but not in the current group, so he can't hear current group calls, at the same time he can't make calls in the current group.



Users in the group

User status icon: the user is in the currently selected group, he can make calls directly to the group.



Offline status

User status icon: the user is not online, he can't hear calls of current group.

User location status icon



Users in the group

The user have GPS information and the user is in the current group.



User online

The user have GPS information and the user is not in the current group.



User offline

Use are offline in the map.

Tracking icon



:Start location icon



:Stop point icon

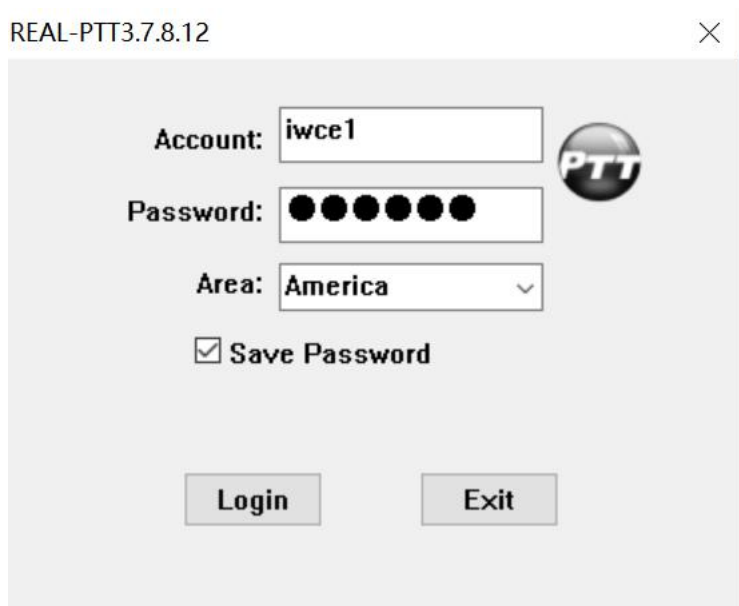


:End location icon

2: Operation Introduction

2.1: Login settings

After run the dispatcher, you can enter login interface of client program,as shown below. When you login in,you need to input account and password, select area and also you can save the password. The account used to log in to the dispatcher is a user account that is added in the company management platform. This account can not be accessed simultaneously with the radio device. You can open a user account for logging in to the dispatcher for dispatching management.



2.2: Tool bar



2.2:Tool Bar

- **Exit:** logout this dispatcher.
- **Refresh:** refresh the user and group info.
- **Group PTT:** make calls to all members in this group, if the dispatcher is on the dynamic group, it shows dynamic group calls.
- **All call:** Make calls to all users, which belong to group list on the pc dispatcher
- **Call logs:** It can view these recent call logs, calls logs can be displayed in the right auxiliary

display area, double-click the audio record, it can play the audio record. The call logs are saved on the computer folder, the folder for the call logs can be found in the folder where the dispatcher is installed. It is shown in figure 1, It can show these call logs when you double-click each record.

- **Contacts:** It shows contacts and status of the dispatcher, It is shown in figure 2. You can make private call to the user when double-click this user. When you open right menu, it can operate "send a message" and "stun" operation and so on for the selected user.
- **Options:** You can set any group ptt, call call hotkey, time zone, voice codec, map popup, etc

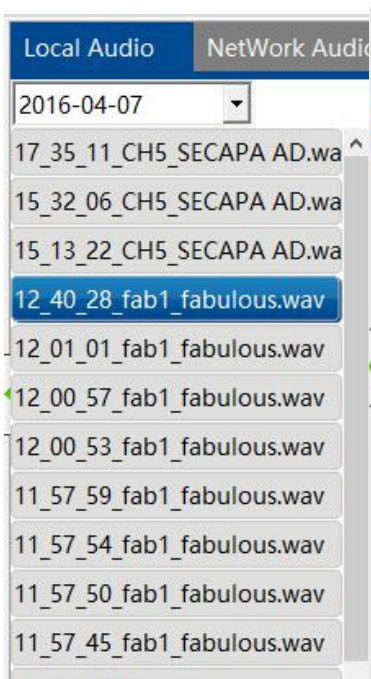


Figure 1

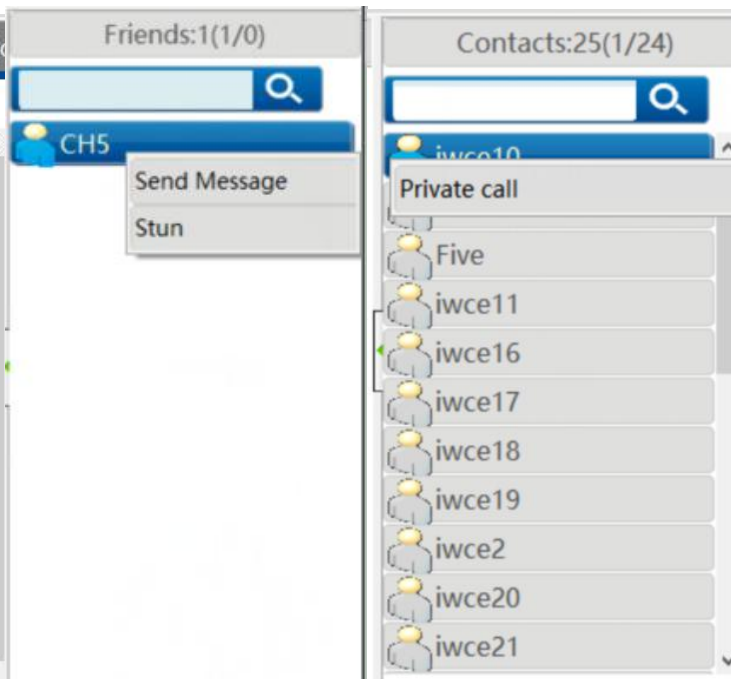
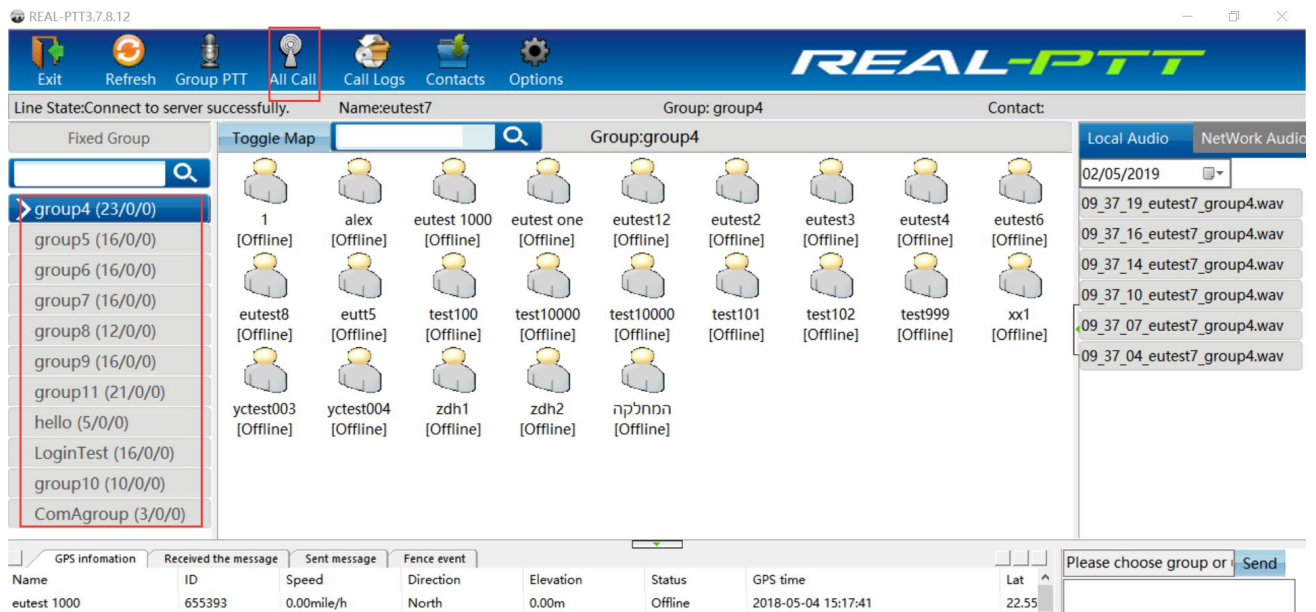


Figure 2

2.2.1: All call

Click "All call", make calls to all users, which belong to group list on the pc dispatcher.

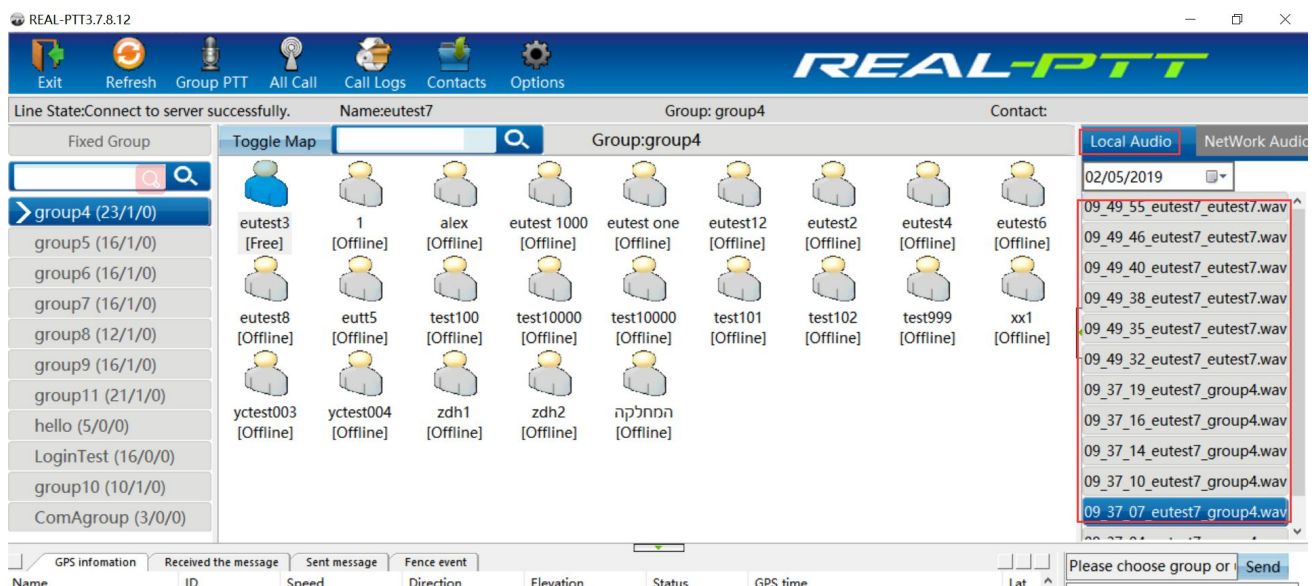


2.2.2: Call logs

The call logs consist of local audio and network audio, double click on each audio to play.

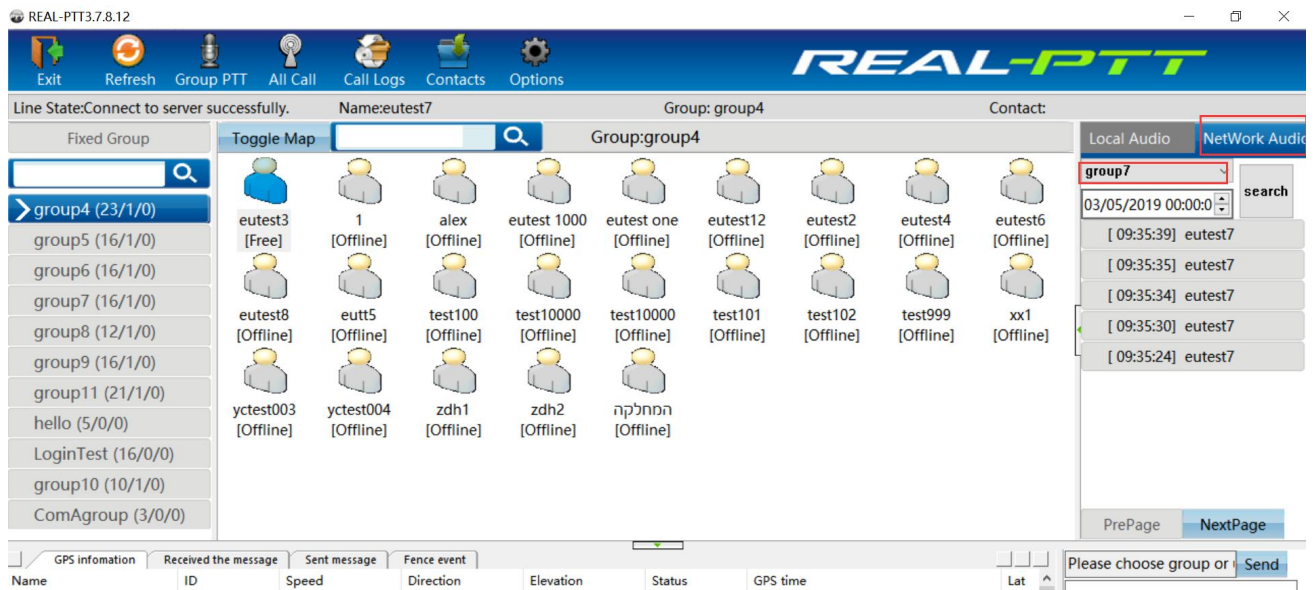
Local audio

Local audio is saved in the computer folder, which can be found in the folder where the dispatcher is installed, these audios can be recorded only the pc dispatcher is online.



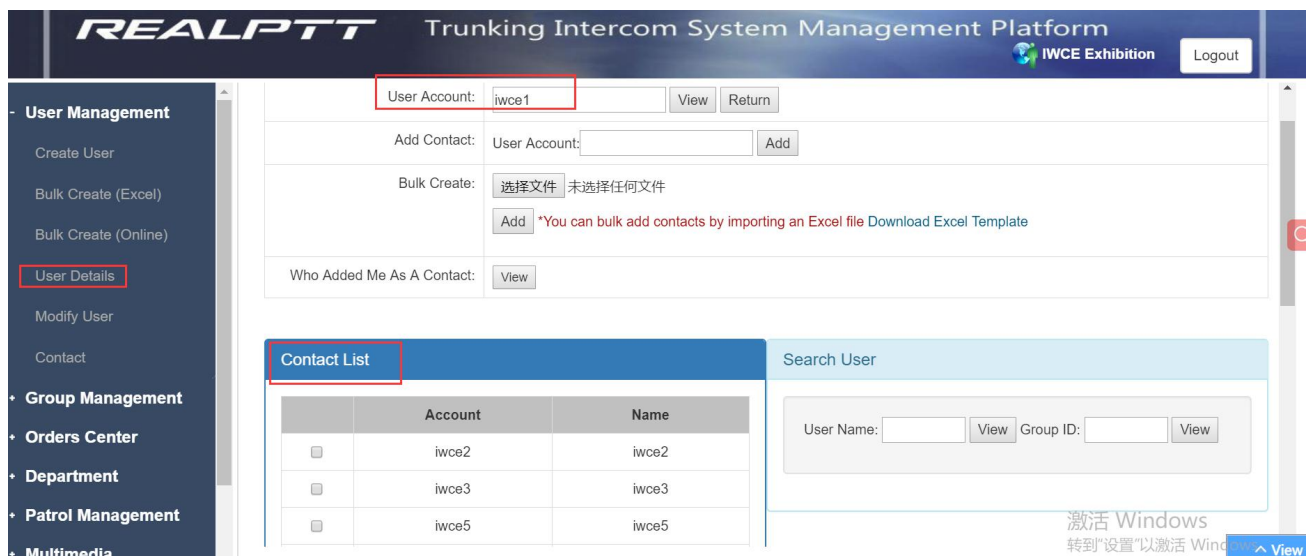
Network audio

Network audios are saved in the our server, all audio of users and group can be inquired.



2.2.3: Contacts

The contacts is used to display the account's friends. You need to add a contact to the account in web platform,also need to select contact function to display it. Selecting an online contact to double-click will pop up the "private call" option, which can make private call .Select contact on the right button, it will show "send message" and "stun" operations.



Add contact for one account

REALPTT Trunking Intercom System Management Platform Logout

User Management

- Create User
- Bulk Create (Excel)
- Bulk Create (Online)
- User Details
- Modify User
- Contact

Group Management

Orders Center

Department

Order End Time: 2020-07-15 PTT call Video Patrol

Status: Normal Pause If you cannot login normally, try to synchronize-> Synchronize

User Name: iwce1

Default Group: US(3017)

Priority: Level 10

Phone Number:

Function: ☐ Select All ☒ Contact ☒ View location ☒ Call logs ☒ Monitor ☒ Stun ☒ GPS positioning ☒ Platform audio ☒

Display the group members ☒ Last group ☐ Stun protection

☒ Private call ☒ Change group ☐ Only listen ☒ Do not disturb when private call ☒ All call ☒ Patrol ☒ Receive SOS

☒ Video ☒ Dispatching Account ☒ Management Group

Group: TaxiA(2684) Filter ☒ All ☐ Company ☐ Department

View

Contact function

REAL-PTT 3.7.8.12

Exit Refresh Group PTT All Call Call Logs Contacts Options

Line State: Connect to server successfully. Name: iwce1 Group: US Contact:

Fixed Group: Toggle Map Search Group: TaxiA

US (25/1/0)
TaxiA (16/0/0)

Contacts: 25(1/24)

iwce5 Private call

Five

iwce10

iwce11

iwce16

iwce17

iwce18

iwce19

iwce2

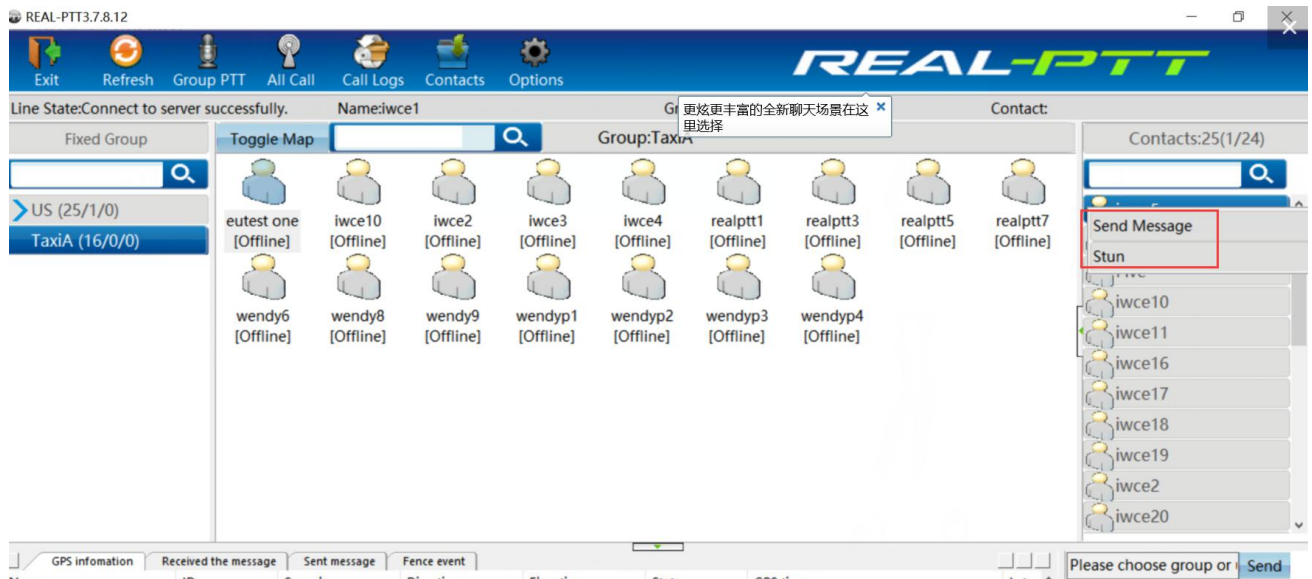
iwce20

Please choose group or Send

GPS information Received the message Sent message Fence event

Name ID Speed Direction Elevation Status GPS time Lat

Private call



Send message and stun

2.2.4: Options

Group PTT hotkey: Set the group ptt button according to your own needs, press customized hotkey to make group call.

All call hotkey: Set the all call button according to your own needs, press customized hotkey to make all call.

Global hotkey: Select this one, which can make group call or all call even the pc dispatcher is in the background.

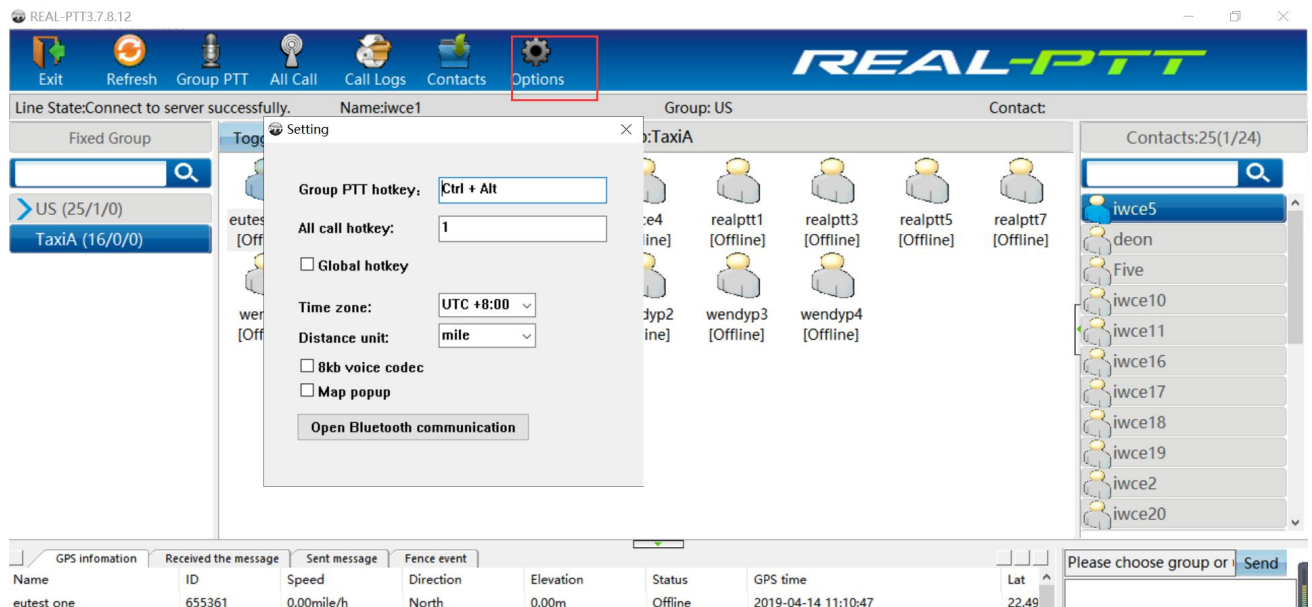
Time zone: Selecting different time zone according to your own local time, which can affect the display of the GPS location time on the map.

Distant unit: there are km and mile,

8kb voice codec: After setting 8k voice codec, the voice can be better, and the voice codec of the other terminals (like radio or app) is required to be same (8kb), otherwise the voice will be garbled.

Map popup: The map interface pops up independently and can be full screen.

Open bluetooth communication: Open your computer bluetooth, and connect bluetooth microphone, it can make calls through bluetooth microphone.



2.3: Status bar

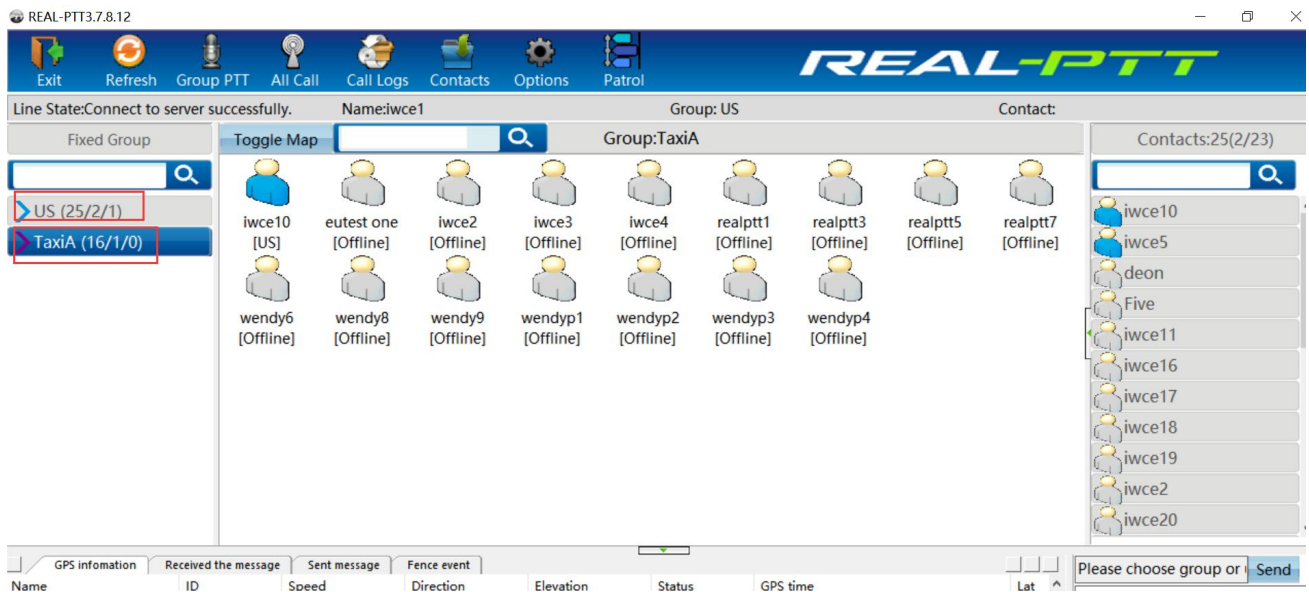
The status bar display: network connection status, the dispatcher name, dispatcher group, speaker user info, etc.

Line State:Connect to server successfully.	Name:CH4	Group: SECAPA AD	Contact:
--	----------	------------------	----------

Status bar

2.4: Group operation

The group list will list all the group information, which is added by this user account. The blue arrow mean pc dispatcher user account is in this group, the purple arrow mean that the pc dispatcher user monitor these group.



Blue arrow and purple arrow of group

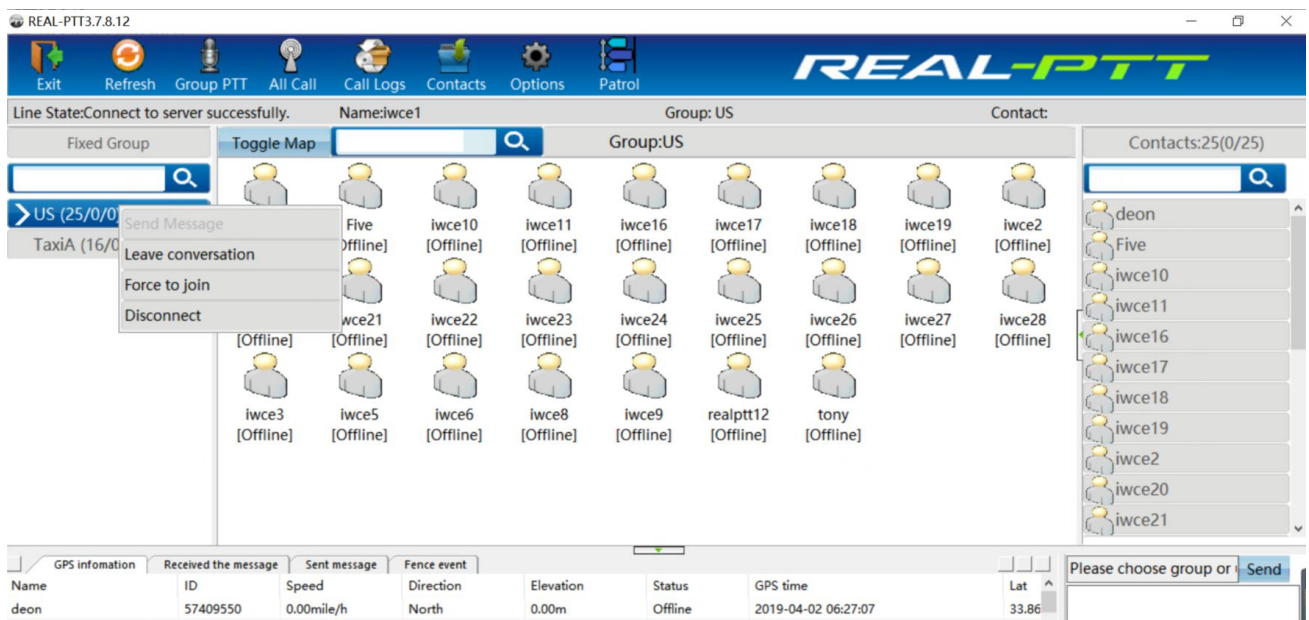
Select a group and double click to enter this group, right click on the group to do the following operation for this group:

Send message: send message to all users of this group.

Leave conversation: leave the current group, no longer enter this group to make calls.

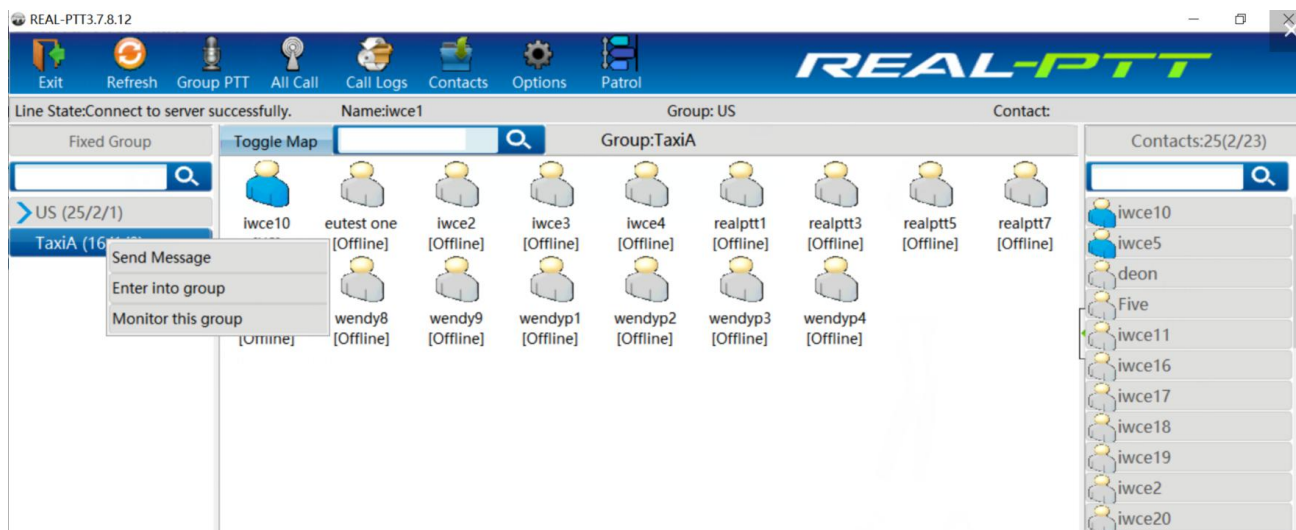
Force to join: force all users of this group to make calls.

Disconnect: force all users of this group to leave this group and no longer enter this group to make calls.



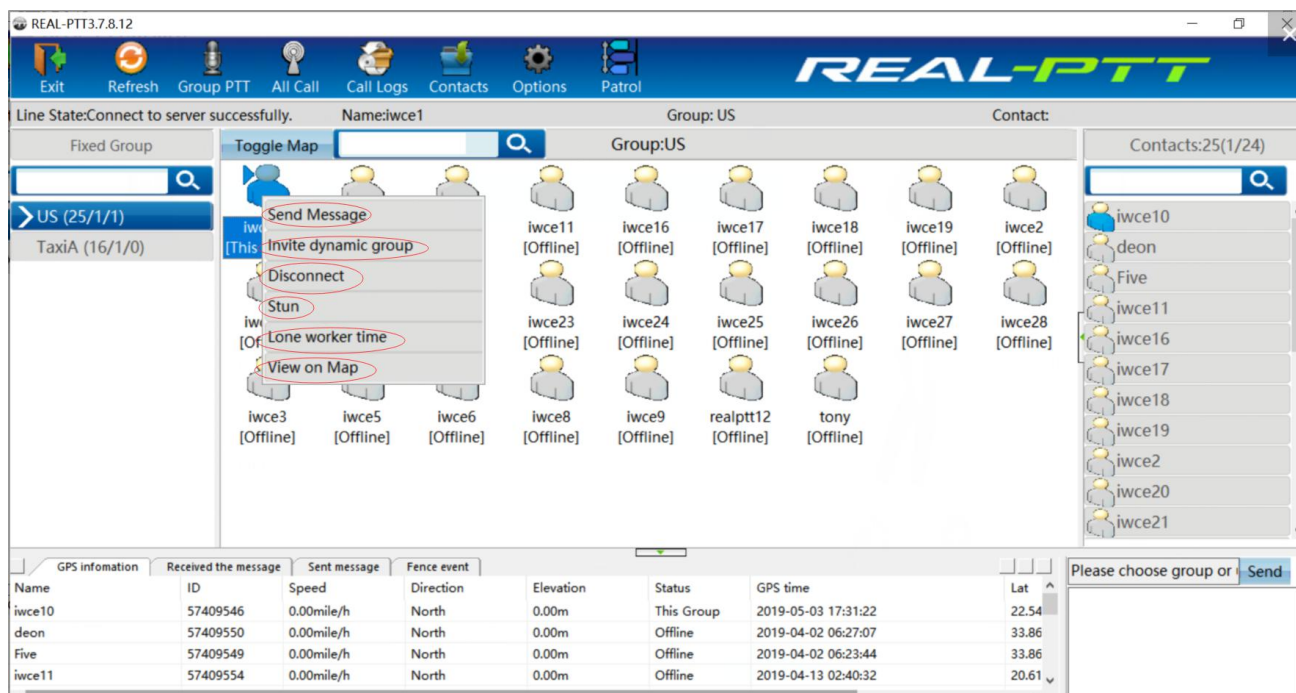
Enter into group: enter the currently selected group.

Monitor group: listen to the conversation of the currently selected group.

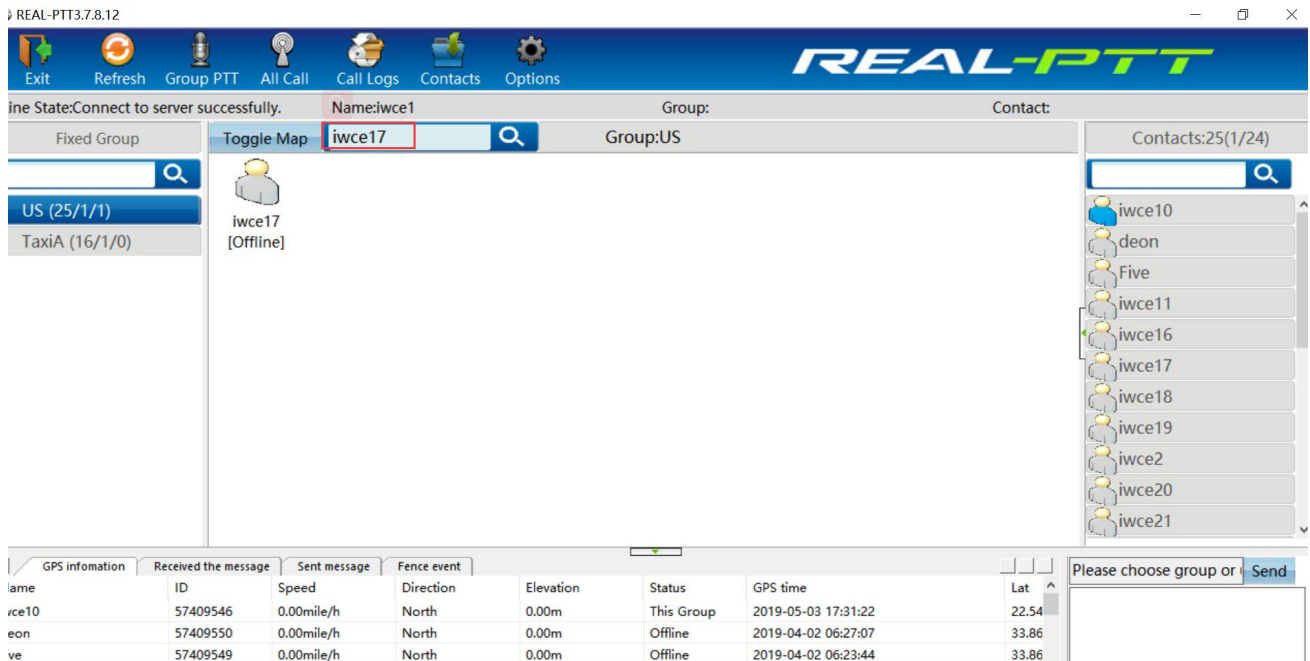


2.5: User function

Select user and operate user through the right-click menu, including “send message”, “invite dynamic group”, “force to join/disconnect”, “stun” “lone worker time”, “view on map”.

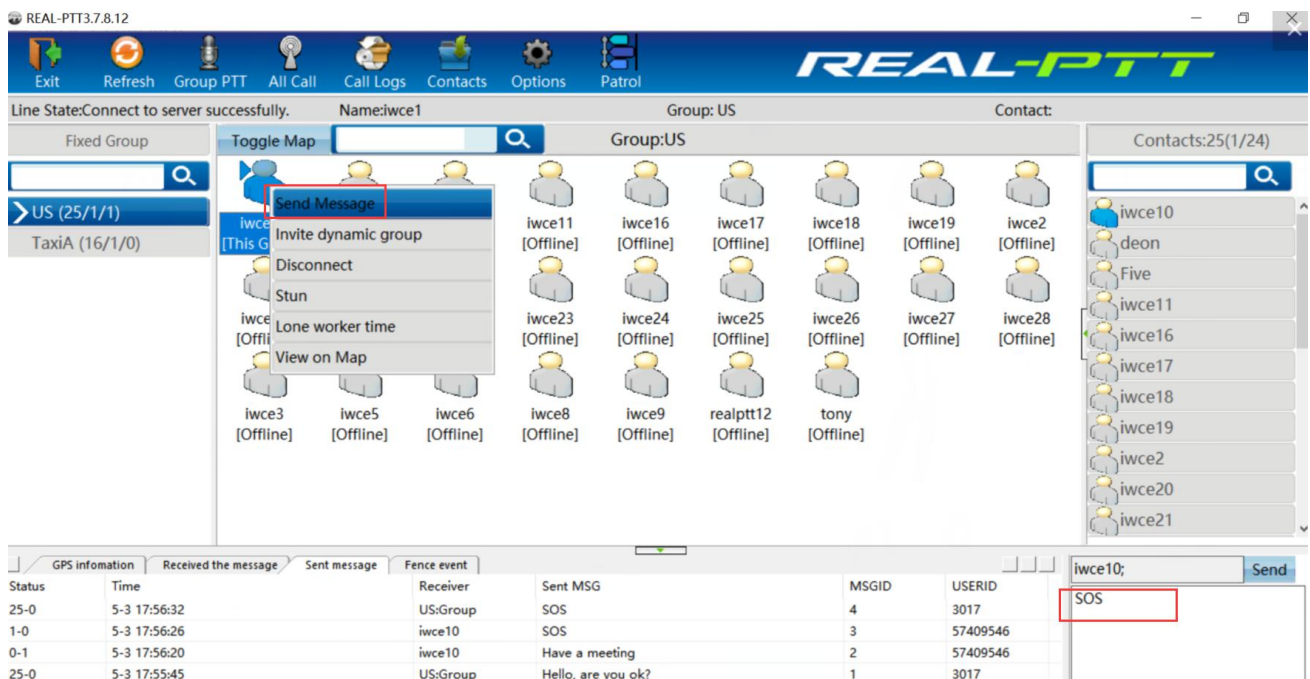


User search bar, input user name or character can search out the user. As shown in Figure



2.5.1: Send message

Select online user on the right button, select "send message", input characters, and click "Send Message", Messages sent and received can be viewed in the information display area below.



REAL-PTT3.7.8.12

Exit Refresh Group PTT All Call Call Logs Contacts Options Patrol

Line State: Connect to server successfully. Name: iwce1 Group: US Contact: iwce1

Fixed Group

Toggle Map

Group: US

Contacts: 25(1/24)

iwce10 [This Group] deon [Offline] Five [Offline] iwce11 [Offline] iwce16 [Offline] iwce17 [Offline] iwce18 [Offline] iwce19 [Offline] iwce2 [Offline]

iwce20 [Offline] iwce21 [Offline] iwce22 [Offline] iwce23 [Offline] iwce24 [Offline] iwce25 [Offline] iwce26 [Offline] iwce27 [Offline] iwce28 [Offline]

iwce3 [Offline] iwce5 [Offline] iwce6 [Offline] iwce8 [Offline] iwce9 [Offline] realptt12 [Offline] tony [Offline]

GPS information Received the message Sent message Fence event

Status	Time	Receiver	Sent MSG	MSGID	USERID
25-0	5-3 17:56:32	US:Group	SOS	4	3017
1-0	5-3 17:56:26	iwce10	SOS	3	57409546
0-1	5-3 17:56:20	iwce10	Have a meeting	2	57409546
25-0	5-3 17:55:45	US:Group	Hello, are you ok?	1	3017

iwce10; SOS Send

2.5.2: Invite dynamic group

There are two situation, one is that one user can be forced to enter this group, and make private call. The other one is create a dynamic group, press shift key to select multiple online users, then right click on "invite dynamic group". The group name of this dynamic group is the user name who create this dynamic group. Double click to enter other groups and the dynamic group is missed.

REAL-PTT3.7.8.12

Exit Refresh Group PTT All Call Call Logs Contacts Options Patrol

Line State: Connect to server successfully. Name: iwce1 Group: iwce1 Contact: iwce1

Fixed Group

Toggle Map

Group: iwce1

Contacts: 25(1/24)

iwce10 [This Group]

US (25/1/0)

TaxiA (16/1/0)

iwce1 (1/1/1)

GPS information Received the message Sent message Fence event

Status	Time	Receiver	Sent MSG	MSGID	USERID
25-0	5-3 17:56:32	US:Group	SOS	4	3017
1-0	5-3 17:56:26	iwce10	SOS	3	57409546
0-1	5-3 17:56:20	iwce10	Have a meeting	2	57409546
25-0	5-3 17:55:45	US:Group	Hello, are you ok?	1	3017

iwce10; SOS Send

Private call

REAL-PTT3.7.8.12

Exit Refresh Group PTT All Call Call Logs Contacts Options Patrol

Line State: Connect to server successfully. Name: iwce1 Group: iwce1 Contact:

Fixed Group Toggle Map Group: iwce1 Contacts: 25(2/23)

US (25/2/0)
TaxiA (16/1/0)
iwce1 (2/2/2)

iwce10 [This Group] iwce11 [This Group]

iwce11
iwce10
deon
Five
iwce16
iwce17
iwce18
iwce19
iwce2
iwce20
iwce21

GPS information Received the message Sent message Fence event

Status	Time	Receiver	Sent MSG	MSGID	USERID
25-0	5-3 17:56:32	US:Group	SOS	4	3017
1-0	5-3 17:56:26	iwce10	SOS	3	57409546
0-1	5-3 17:56:20	iwce10	Have a meeting	2	57409546
25-0	5-3 17:55:45	US:Group	Hello, are you ok?	1	3017

iwce10; SOS Send

Dynamic group

2.5.3: Force to join

This user can be forced to enter this group when this user are in the other group.

REAL-PTT3.7.8.12

Exit Refresh Group PTT All Call Call Logs Contacts Options

Line State: Connect to server successfully. Name: iwce11 Group: US Contact:

Fixed Group Toggle Map Group: US

USAtest (25/1/1)
US (25/1/0)

Send Message
Invite dynamic group
Force to join
Stun
Lone worker time
View on Map

iwce1 [Offline] iwce16 [Offline] iwce17 [Offline] iwce18 [Offline] iwce19 [Offline] iwce2 [Offline] iwce20 [Offline] iwce21 [Offline]
iwce25 [Offline] iwce26 [Offline] iwce27 [Offline] iwce28 [Offline] iwce3 [Offline] iwce5 [Offline] iwce6 [Offline] iwce8 [Offline]
iwce9 [Offline] realptt12 [Offline] tony [Offline]

GPS information Received the message Sent message Fence event

Name	ID	Speed	Direction	Elevation	Status	GPS time	Lat
iwce10	57409546	0.00mile/h	North	0.00m	USAtest	2019-05-03 18:43:30	22.54
deon	57409550	0.00mile/h	North	0.00m	Offline	2019-04-02 06:27:07	33.86
Five	57409549	0.00mile/h	North	0.00m	Offline	2019-04-02 06:23:44	33.86
iwce1	57409537	0.00mile/h	North	0.00m	Offline	2019-04-30 21:27:50	-6.14

Please choose group or Send

2.5.4: Disconnect

This user can be forced to leave this group when this user are in this group.

The screenshot shows the REAL-PTT software interface. At the top, there's a menu bar with icons for Exit, Refresh, Group PTT, All Call, Call Logs, Contacts, and Options. Below this, a status bar shows 'Line State: Connect to server successfully.', 'Name: iwce11', 'Group: USAtest', and 'Contact:'. The main area displays a grid of user avatars and names, mostly marked as '[Offline]'. A context menu is open over the user 'iwce11', showing options: 'Send Message', 'Invite dynamic group', 'Disconnect' (highlighted with a red box), 'Stun', 'Lone worker time', and 'View on Map'. Below the grid, there's a table with columns: Name, ID, Speed, Direction, Elevation, Status, GPS time, and Lat. The table lists several users, including iwce10, deon, Five, and iwce18, all with a status of 'Offline'. At the bottom right, there's a 'Please choose group or' dropdown and a 'Send' button.

2.5.5: Stun

After clicking “stun”, the user is forced to be offline, the user status is also offline, and the account status become paused. It needs to be activated on the web platform.

The screenshot shows the REAL-PTT software interface, similar to the previous one. The context menu for user 'iwce11' is open, and the 'Stun' option is highlighted with a red box. The table at the bottom shows the same list of users, but the status for 'iwce10' is now 'This Group' instead of 'Offline'. The 'GPS time' for 'iwce10' is '2019-05-03 18:43:30'. The 'Lat' for 'iwce10' is '22.54'. The 'Status' for 'deon' is 'Offline', and the 'GPS time' is '2019-04-02 06:27:07'. The 'Status' for 'Five' is 'Offline', and the 'GPS time' is '2019-04-02 06:23:44'. The 'Status' for 'iwce18' is 'Offline', and the 'GPS time' is '2019-05-03 19:09:29'.

User Management

Create User

Bulk Create (Excel)

Bulk Create (Online)

User Details

Modify User

Contact

Group Management

Orders Center

Department

Patrol Management

User Details->

User ID: View User Name: View User Account: View Phone Number: View

Group ID: View Default Group ID: View Order ID: View Pause Time: -

List All: View Export User: Export

Usage Status: Pause Online Status: Please select

Sort: [By time](#) | [By account](#) | [By name](#) | [By group](#) | [By status](#) | [By end time](#)

ID	Time	Order ID	Account	Name	Default Group	Status	Online	Priority	Phone Number	Pause Time	Activation Time	Function	Department	Contact
57409546	2020-08-31	12932	iwce10	iwce10	US	Pause	Offline	Level 1		12:00:00	00:00:00	[Contact][Private call] [Change group][View...]	Not defin	Modify
57409539	2020-08-31	12932	iwce3	iwce3	US	Pause	Offline	Level 2		12:00:00	00:00:00	[Contact][Private call] [Change group][View...]	Not defin	Modify

☐ Select All

2.5.6: Lone worker time

Select the user, right click "Lone worker time", add monitoring time, after set monitoring time, the monitored users will be showed green icon.

If the user does not make calls during the monitoring time, an alarm prompt box will be pop up on the pc dispatcher, It mean that the user has no call activity during monitoring time, and the user icon will display red.

REAL-PTT 3.7.8.12

Exit Refresh Group PTT All Call Call Logs Contacts Options

Line State: Connect to server successfully. Name: iwce11 Group: US Contact:

Fixed Group: Toggle Map Group: US

USAtest (25/1/1)

US (25/1/0)

iwce1 [Online]

iwce25 [Offline]

iwce9 [Offline]

iwce16 [Offline]

iwce26 [Offline]

realptt12 [Offline]

iwce17 [Offline]

iwce27 [Offline]

tony [Offline]

iwce18 [Offline]

iwce28 [Offline]

iwce19 [Offline]

iwce3 [Offline]

iwce20 [Offline]

iwce5 [Offline]

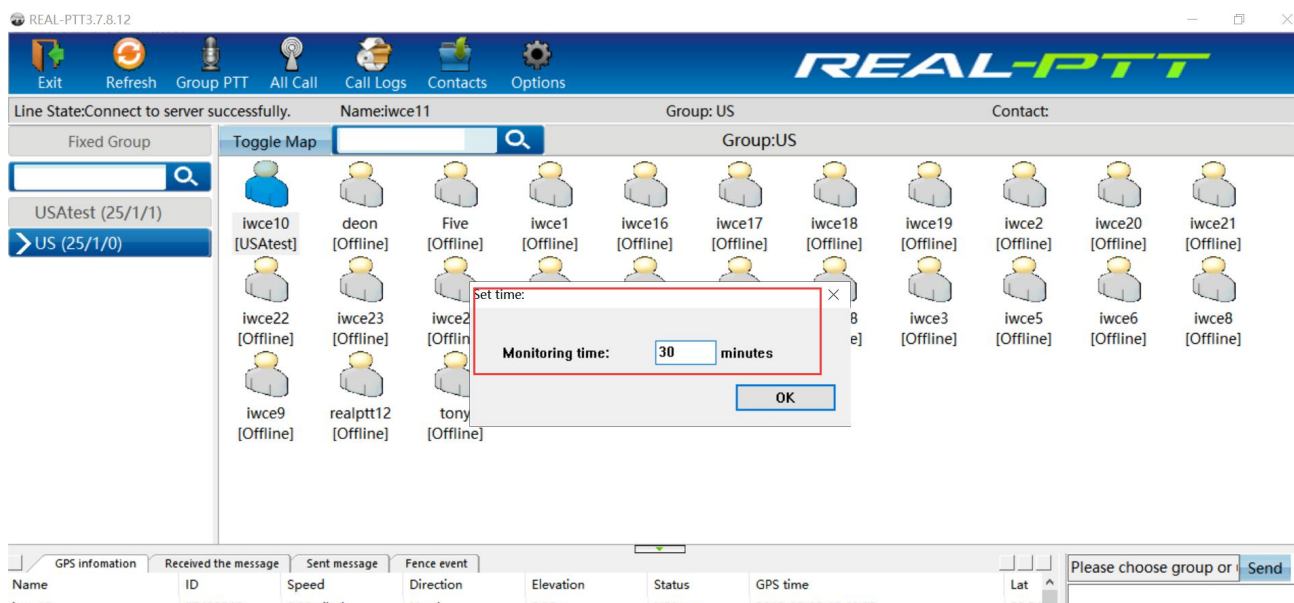
iwce21 [Offline]

iwce6 [Offline]

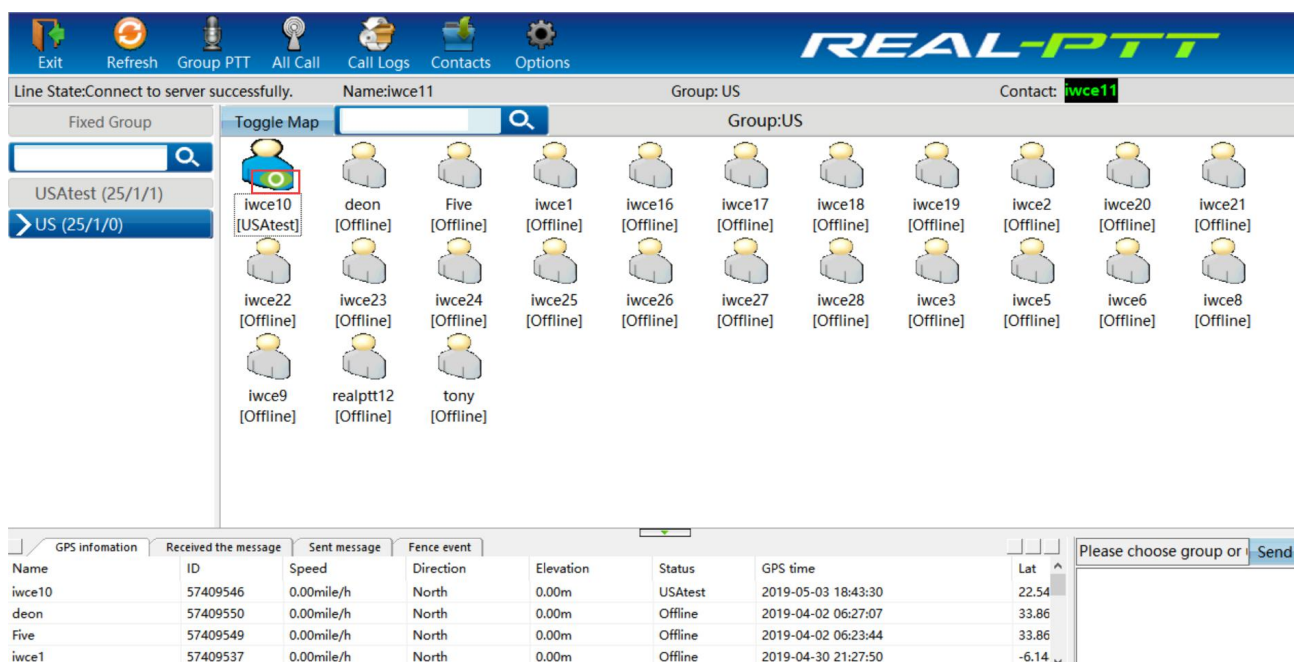
iwce8 [Offline]

GPS information

Name	ID	Speed	Direction	Elevation	Status	GPS time	Lat
iwce10	57409546	0.00mile/h	North	0.00m	USAtest	2019-05-03 18:43:30	22.54
deon	57409550	0.00mile/h	North	0.00m	Offline	2019-04-02 06:27:07	33.86
Five	57409549	0.00mile/h	North	0.00m	Offline	2019-04-02 06:23:44	33.86
iwce1	57409537	0.00mile/h	North	0.00m	Offline	2019-04-30 21:27:50	-6.14



Set lone worker time



Finished set monitoring time

REAL-PTT 3.7.8.12

Line State: Connect to server successfully. Name: iwce11 Group: US Contact:

Fixed Group: USAtest (25/1/1) US (25/1/0)

Toggle Map

Group: US

iwce10 [USAtest] deon [Offline] Five [Offline] iwce1 [Offline] iwce16 [Offline] iwce17 [Offline] iwce18 [Offline] iwce19 [Offline] iwce2 [Offline] iwce20 [Offline] iwce21 [Offline] iwce22 [Offline] iwce23 [Offline] iwce9 [Offline] realptt12 [Offline]

Alarm: iwce10 is inactive. confirm

Name	ID	Speed	Direction	Elevation	Status	GPS time	Lat
iwce10	57409546	0.00mile/h	North	0.00m	USAtest	2019-05-03 18:43:30	22.54
deon	57409550	0.00mile/h	North	0.00m	Offline	2019-04-02 06:27:07	33.86
Five	57409549	0.00mile/h	North	0.00m	Offline	2019-04-02 06:23:44	33.86
iwce1	57409537	0.00mile/h	North	0.00m	Offline	2019-04-30 21:27:50	-6.14

Please choose group or Send

Not make calls during the monitoring time

2.5.7: View on map

You can check online or offline user GPS track. as showed below:

REAL-PTT

Line State: Connect to server successfully. Name: iwce11 Group: USAtest Contact:

Fixed Group: USAtest (25/1/1) US (25/1/0)

Toggle Map

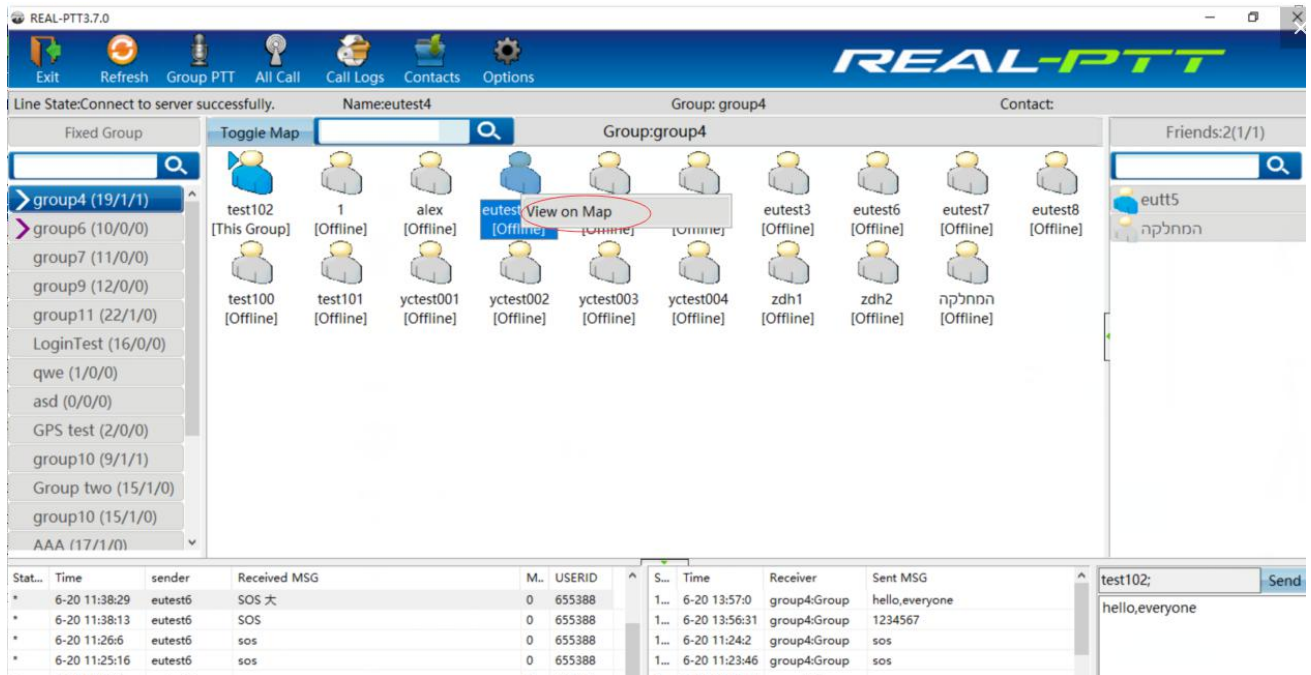
Group: USAtest

iwce16 [Offline] iwce17 [Offline] iwce18 [Offline] iwce19 [Offline] iwce2 [Offline] iwce20 [Offline] iwce21 [Offline] iwce22 [Offline] iwce26 [Offline] iwce27 [Offline] iwce28 [Offline] iwce3 [Offline] iwce5 [Offline] iwce6 [Offline] iwce8 [Offline] iwce9 [Offline] realptt12 [Offline] realptt7 [Offline] tony [Offline]

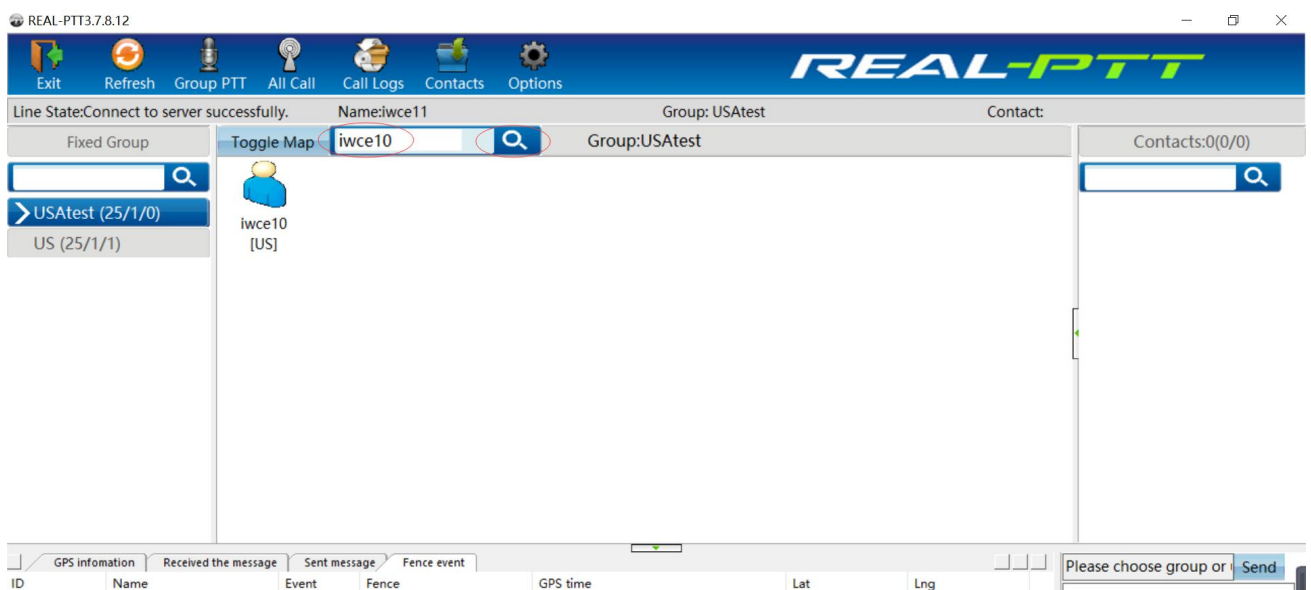
Send Message
Invite dynamic group
Disconnect
Stun
Lone worker time
View on Map

Name	ID	Speed	Direction	Elevation	Status	GPS time	Lat
iwce10	57409546	0.00mile/h	North	0.00m	This Group	2019-05-03 18:43:30	22.54
deon	57409550	0.00mile/h	North	0.00m	Offline	2019-04-02 06:27:07	33.86
Five	57409549	0.00mile/h	North	0.00m	Offline	2019-04-02 06:23:44	33.86
iwce18	57409559	0.00mile/h	North	0.00m	Offline	2019-05-03 19:04:18	22.54

Please choose group or Send



User search bar, input user name or character can search out the user. As shown in figure



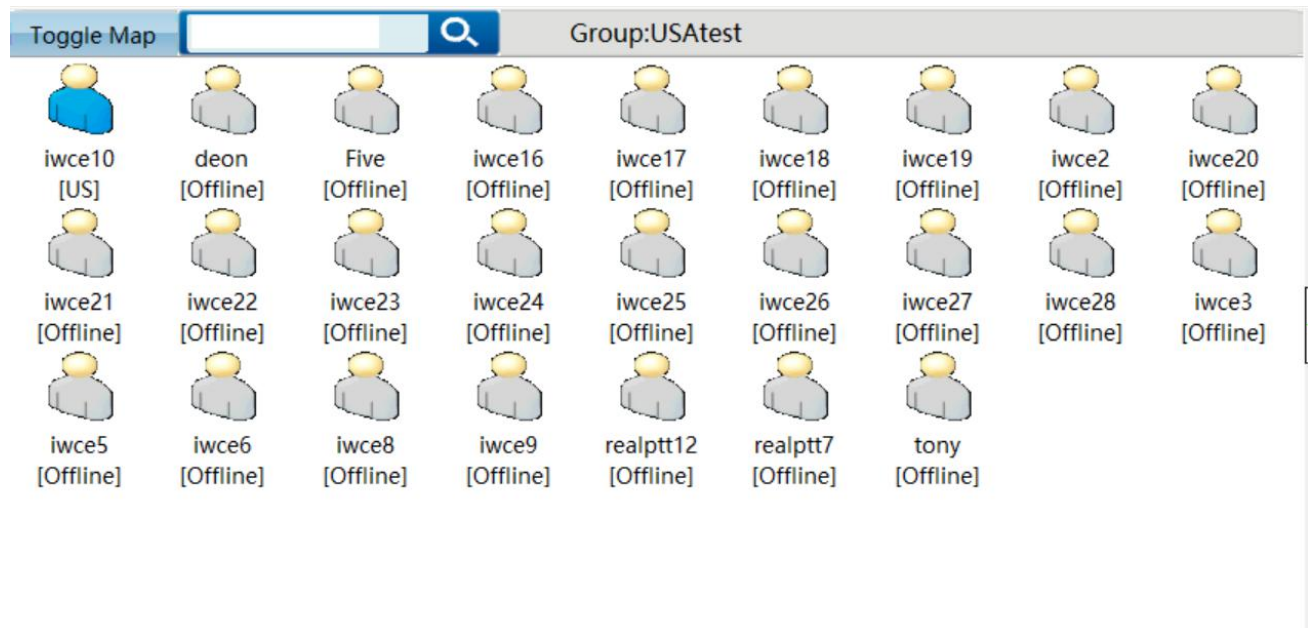
Search user

2.6:Two display modes

The middle area is divided into user list mode and map mode.

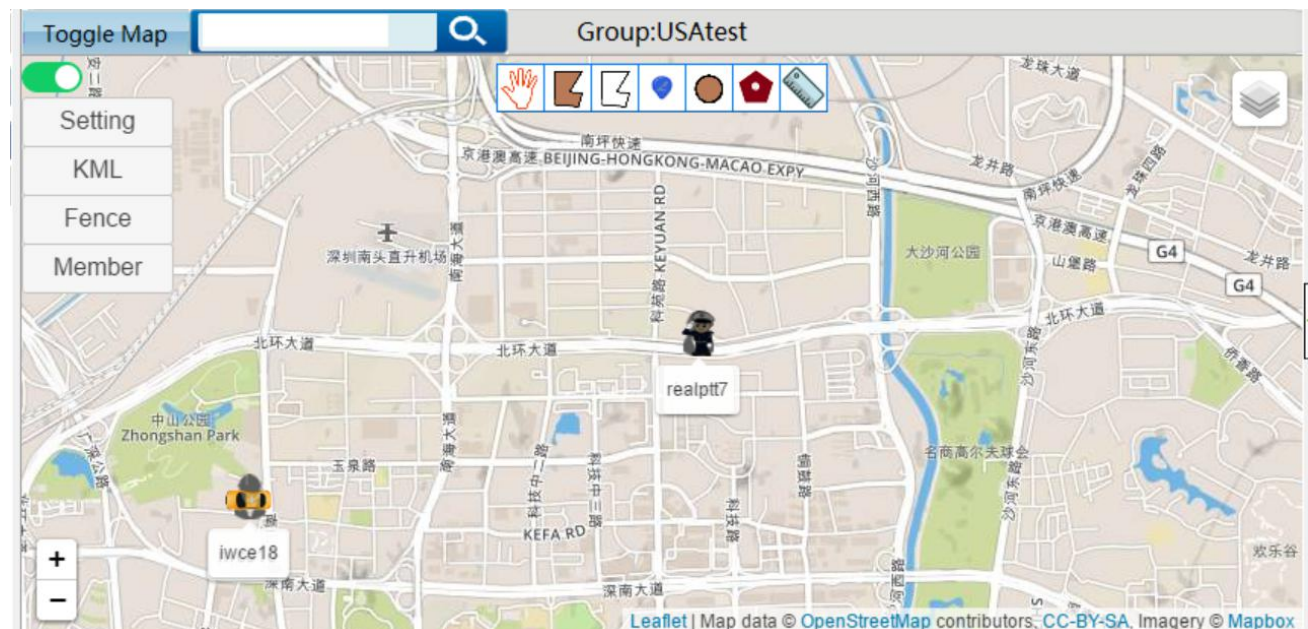
User list mode

The user list mode is used to display user group information, including user status, user name and the user group, which belong to.



Map Mode

Map mode is for displaying user location and gps track information.



3: Map function

To see the user's location in map mode, the following settings are required:

For company platform

1:GPS positioning and view location should be checked in the radio id account in the company platform,which login pc dispatcher

2:Set GPS,it should be more than 0 in the company platform

3:Radio device settings:If there are GPS options in the radio programming, gps should be checked in the programming software.

4:The radio needs to be positioned outdoors, For rainy days,as poor positioning situation, it take more time to get gps data.

The map function is mainly used to view user gps positioning and location, and can also set geo-fence, route mark, multiple selection ptt call, polygon selection ptt call,distance measurement etc., and can also customize user icons. The map interface is mainly divided into function setting area, function operation area, location and gps tracking display area, and GPS, message and fence event area.

The screenshot shows the REALPTT software interface. At the top, it displays 'Line State:Connect to server successfully.', 'Name:iwce11', 'Group: USAtest', and 'Contact: iw'. Below this is a sidebar with 'Fixed Group' and a search bar. The main area is a map of Shenzhen with a 'Toggle Map' button and a search bar. Callouts point to various features: 'Function setting area' points to the sidebar menu; 'Function operation area' points to the map toolbar; 'Moving, zoom in and out map area' points to the map navigation controls; 'Location and GPS tracking display area' points to the map itself; and 'GPS, message and fence event display area' points to the bottom table.

Name	ID	Speed	Direction	Elevation	Status	GPS time	Lat	Lng
iwce10	57409546	0.00mile/h	North	0.00m	US	2019-05-04 11:34:52		117488
deon	57409550	0.00mile/h	North	0.00m	Offline	2019-04-02 06:27:07		231224
Five	57409549	0.00mile/h	North	0.00m	Offline	2019-04-02 06:23:44		231644
iwce18	57409559	0.00mile/h	North	0.00m	Offline	2019-05-04 11:21:07		17557

Map interface

3.1: Location and GPS tracking display area

3.1.1: Check location

Place your mouse on the user ico, can check location details, including user name, online status, location time, latitude, longitude, speed, direction and elevation. The location details of the group users can be viewed in the location information.

REAL-PTT 3.7.8.12

Exit Refresh Group PTT All Call Call Logs Contacts Options

Line State: Connect to server successfully. Name: iwce11 Group: US Contact:

Fixed Group

USAtest (25/2/1)

US (25/2/1)

Toggle Map

Setting

KML

Fence

Member

Map Satellite

Google

Shenzhen

Map data ©2019 Google

GPS information

Name	ID	Speed	Direction	Elevation	Status	GPS time	Lat
iwce18	57409559	0.00mile/h	North	0.00m	This Group	2019-05-03 19:28:40	22.54
iwce10	57409546	0.00mile/h	North	0.00m	USAtest	2019-05-03 18:43:30	22.54
deon	57409550	0.00mile/h	North	0.00m	Offline	2019-04-02 06:27:07	33.86
Five	57409549	0.00mile/h	North	0.00m	Offline	2019-04-02 06:23:44	33.86

Please choose group or

3.1.2: GPS tracking

Select "view on map" on the user on the right button or select member than select "show track", then set the corresponding time according to last location, click the display to play the track information of the user in the selected time period, the query a track time period should less than 24 hours.

REAL-PTT3.7.8.12

Exit Refresh Group PTT All Call Call Logs Contacts Options

Line State: Connect to server successfully. Name: iwce11 Group: US Contact: iwce11

Fixed Group: USAtest (25/1/1) > US (25/1/0)

Toggle Map

Group: US

iwce1 [Offline] iwce16 [Offline] iwce17 [Offline] iwce18 [Offline] iwce19 [Offline] iwce2 [Offline] iwce20 [Offline] iwce21 [Offline]

iwce25 [Offline] iwce26 [Offline] iwce27 [Offline] iwce28 [Offline] iwce3 [Offline] iwce5 [Offline] iwce6 [Offline] iwce8 [Offline]

iwce9 [Offline] realptt12 [Offline] tony [Offline]

Send Message
Invite dynamic group
Force to join
Stun
Cancel lone worker
View on Map

GPS information Received the message Sent message Fence event

Name	ID	Speed	Direction	Elevation	Status	GPS time	Lat
iwce10	57409546	0.00mile/h	North	0.00m	USAtest	2019-05-03 18:43:30	22.54
deon	57409550	0.00mile/h	North	0.00m	Offline	2019-04-02 06:27:07	33.86
Five	57409549	0.00mile/h	North	0.00m	Offline	2019-04-02 06:23:44	33.86
iwce1	57409537	0.00mile/h	North	0.00m	Offline	2019-04-30 21:27:50	-6.14

Please choose group or Send

View on map

REAL-PTT3.7.8.12

Exit Refresh Group PTT All Call Call Logs Contacts Options

Line State: Connect to server successfully. Name: iwce11 Group: US Contact:

Fixed Group: USAtest (25/1/1) > US (25/1/0)

Toggle Map

Group: US

Setting
KML
Fence
Member

Map Satellite

Member

Enter a name

Default iwce10

PTT Call

Show track

Map center

iwce9
iwce2
Five

Right click on the user to operate, left click to select the user, then click on the left icon to replac

GPS information Received the message Sent message Fence event

Name	ID	Speed	Direction	Elevation	Status	GPS time	Lat
iwce10	57409546	0.00mile/h	North	0.00m	USAtest	2019-05-03 18:43:30	22.54
deon	57409550	0.00mile/h	North	0.00m	Offline	2019-04-02 06:27:07	33.86
Five	57409549	0.00mile/h	North	0.00m	Offline	2019-04-02 06:23:44	33.86
iwce1	57409537	0.00mile/h	North	0.00m	Offline	2019-04-30 21:27:50	-6.14

Please choose group or Send

Show track

REAL-PTT3.7.8.12

Line State: Connect to server successfully. Name: iwce11 Group: US Contact:

Fixed Group: USAtest (25/1/1) > US (25/1/0)

Toggle Map

Track information

Group: US
Name: iwce10
Start time: 2019-05-03 17:58:08
End time: 2019-05-03 18:43:30
Driving distance: 0.025mile
Travel time: 0H 0M
Stop time: 0H 45M

Time	Track speed
2019-05-03 17:58:08	0.10
2019-05-03 18:00:04	0.02
2019-05-03 18:03:56	0.01
2019-05-03 18:08:21	0.02
2019-05-03 18:12:51	0.01
2019-05-03 18:16:58	0.16
2019-05-03 18:18:24	0.03

Show track

Start time: 2019/05/03 17:43:30
End time: 2019/05/03 18:43:30
Display point time interval: 0 M 0 S

Show Last minute Export

GPS information

Name	ID	Speed	Direction	Elevation	Status	GPS time	Lat
iwce10	57409546	0.00mile/h	North	0.00m	USAtest	2019-05-03 18:43:30	22.54
deon	57409550	0.00mile/h	North	0.00m	Offline	2019-04-02 06:27:07	33.86
Five	57409549	0.00mile/h	North	0.00m	Offline	2019-04-02 06:23:44	33.86
iwce1	57409537	0.00mile/h	North	0.00m	Offline	2019-04-30 21:27:50	-6.14

Please choose group or Send

GPS tracking

The last time location: you should search gps tracking according to last time location, the last time location is showed in the GPS and message area, which is below.

Name	ID	Speed	Direction	Elevation	Status	GPS time	Lat
iwce10	57409546	0.00mile/h	North	0.00m	USAtest	2019-05-03 18:43:30	22.54
deon	57409550	0.00mile/h	North	0.00m	Offline	2019-04-02 06:27:07	33.86
Five	57409549	0.00mile/h	North	0.00m	Offline	2019-04-02 06:23:44	33.86
iwce1	57409537	0.00mile/h	North	0.00m	Offline	2019-04-30 21:27:50	-6.14

Export GPS: You can export CSV or KML files for GPS tracking

The screenshot displays the REALPTT software interface. At the top, there is a navigation bar with icons for Exit, Refresh, Group PTT, All Call, Call Logs, Contacts, and Options. Below this, a status bar shows 'Line State: Connect to server successfully.', 'Name: iwce11', 'Group: USAtest', and 'Contact:'. The main interface is divided into several sections:

- Left Panel:** Contains a 'Fixed Group' list with 'USAtest (25/1/0)' and 'US (25/1/1)'.
- Top Center:** A 'Toggle Map' button and a search bar.
- Track Information:** A panel showing details for 'Group: USAtest', 'Name: iwce10', 'Start time: 2019-05-04 10:54:42', 'End time: 2019-05-04 11:34:52', 'Driving distance: 0.003mile', 'Travel time: 0H 0M', and 'Stop time: 0H 40M'. It also includes a table of track points.
- Map:** A map view showing the location of the track. An 'Export options' dialog box is overlaid on the map, with 'CSV' and 'KML' buttons. An 'Export' button is also visible in the bottom right of the map area.
- Bottom Panel:** A table of GPS information with columns: Name, ID, Speed, Direction, Elevation, Status, GPS time, Lat, and Lng.

Name	ID	Speed	Direction	Elevation	Status	GPS time	Lat	Lng
iwce10	57409546	0.00mile/h	North	0.00m	US	2019-05-04 11:34:52	22.547382	113.917488
deon	57409550	0.00mile/h	North	0.00m	Offline	2019-04-02 06:27:07	33.868198	-118.231224
Five	57409549	0.00mile/h	North	0.00m	Offline	2019-04-02 06:23:44	33.868279	-118.231644
iwce18	57409559	0.00mile/h	North	0.00m	Offline	2019-05-04 11:21:07	22.547522	113.917557

4: Functional operation area

The functional operation area includes geo-fence, drawing line, line mark, multiple selection ptt call, polygon selection ptt call, distance measurement, etc.

4.1: Geo-fencing

Click "draw fences", input name, click "stop drawing", then can draw some geo-fence on the map interface, all fences can be displayed, then can set all or some users have alarms.

At the same time, you can delete and let some fence into map center, the fence, route line and mark information can be showed

Drawing Geo-fencing

REAL-PTT3.7.8.12

Exit Refresh Group PTT All Call Call Logs Contacts Options

Line State: Connect to server successfully. Name: iwce11 Group: US Contact: iwce11

Fixed Group

Toggle Map

Setting

KML

Fence

Member

Map Satellite

Shenzhen

Fence

Right click on the graph in the list to operate

- Fence
 - security fence2
 - security fence1
- Line
 - zhongshan park route
 - park start
- Mark
 - Corget building

Setting Import Export

ID	Name	Event	Fence	GPS time	Lat	Lng
57409559	iwce18	Enter	security fence2	2019-05-03 20:09:26	22.547527	113.917557

Please choose group or Send

Set alarm users for fences

All users have alarms by default, also can select fence and set some certain users have alarms, and some users not alarm.

Group PTT All Call Call Logs Contacts Options

server successfully. Name: iwce11 Group: US Contact: iwce11

Toggle Map

Setting

KML

Fence

Member

Map Satellite

Xiaochandao

Fence user

Fence: security fence2

All user alarms

Select all Not alerting users

- iwce1
- iwce2
- iwce3
- iwce5
- iwce6
- iwce8
- iwce9

Select all Alarm user

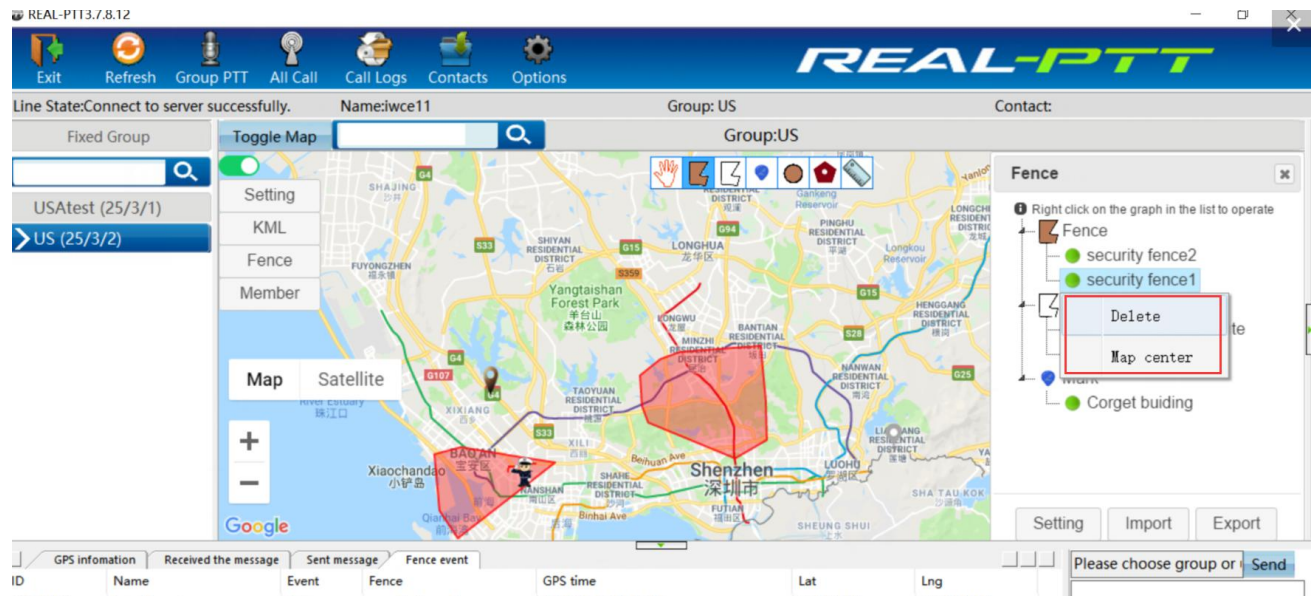
- iwce10
- iwce18

Setting Import Export

Received the message	Sent message	Fence event	Status	GPS time	Lat	Lng
ID	Speed	Direction	Elevation	Status	GPS time	Lat
57409546	0.00m/s	North	0.00m	USAtest	2019-05-03 16:12:10	22.54

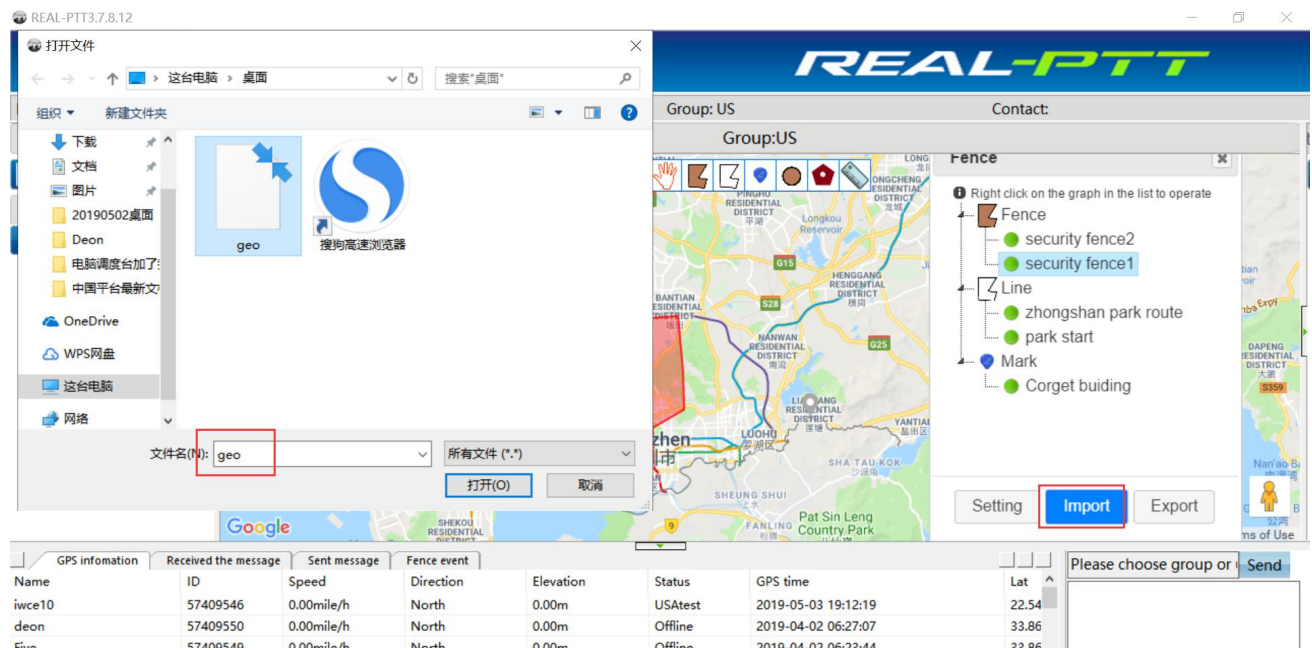
Please choose group or Send

Delete or let fence into map center



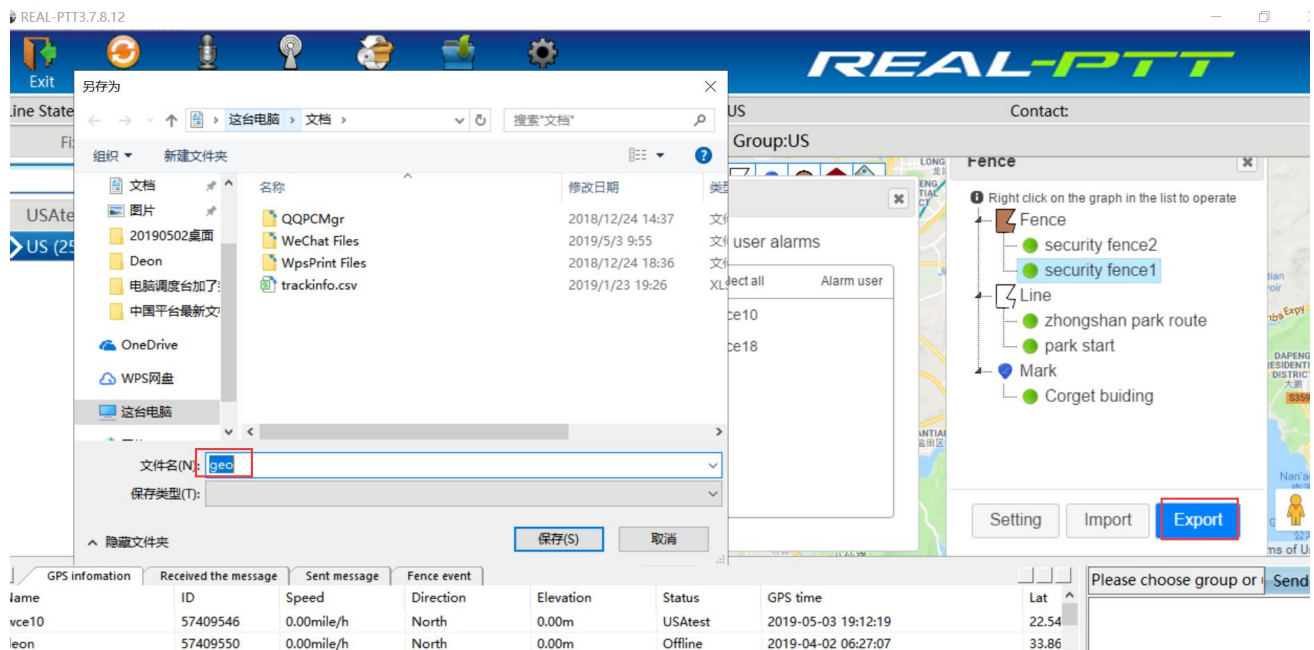
Import fence

Import local computer fence files and display it on the map.

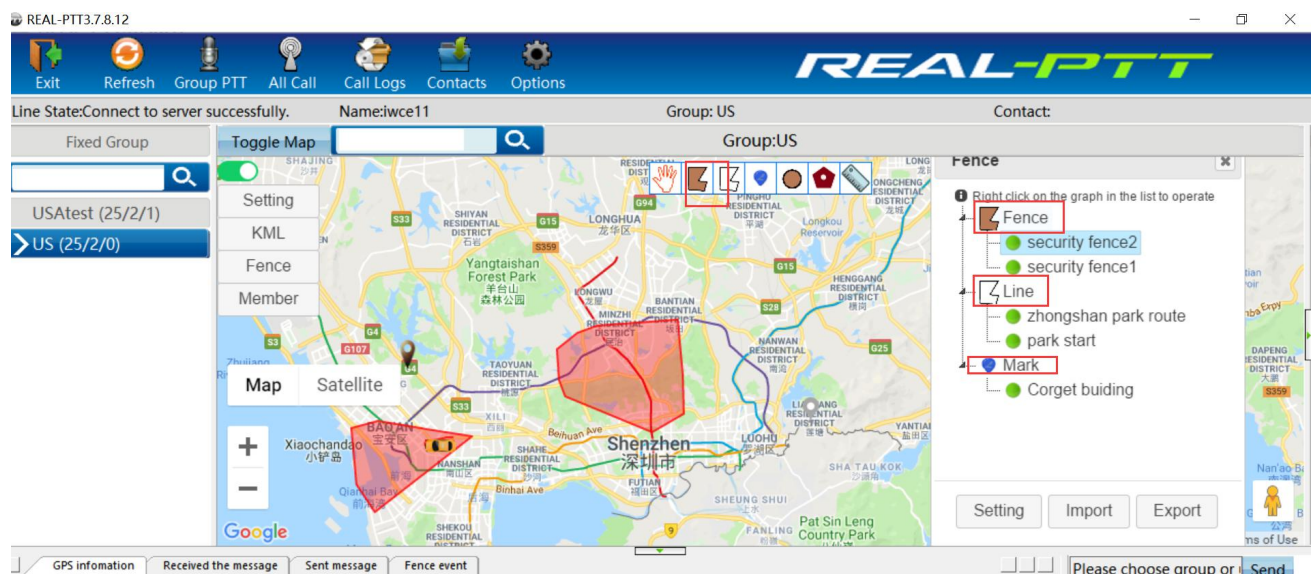


Export fence

Export drawn fences, and save these fences files on your local computer



Click fences, the fence, route line and mark information can be showed



When users are entering or out an fences, some out and enter fence event will be displayed in the below. The displayed content includes the user ID, the user name, the event (enter or out), the fence name, the GPS time, longitude and latitude.

REAL-PTT3.7.8.12

Exit Refresh Group PTT All Call Call Logs Contacts Options

Line State: Connect to server successfully. Name: iwce11 Group: Contact:

Fixed Group Toggle Map

Setting KML Fence Member

Fence

Right click on the graph in the list to operate

- Fence
- fence2
- fence1
- Line
- Mark

Setting Import Export

ID	Name	Event	Fence	GPS time	Lat	Lng
57409559	iwce18	Enter	fence2	2019-05-04 12:15:57	22.547518	113.917587
57409559	iwce18	Out		2019-05-04 11:05:16	22.547522	113.917564
57409559	iwce18	Enter	security fence2	2019-05-03 20:09:26	22.547527	113.917557

4.2: Drawing line

Click "draw line", input name, click "stop drawing", then can draw some line on the map interface, all lines can be displayed. you can delete and let some line into map center

Line State: Connect to server successfully. Name: iwce11 Group: US Contact: iwce11

Toggle Map

Setting KML Fence Member

Map Satellite

Fence

Right click on the graph in the list to operate

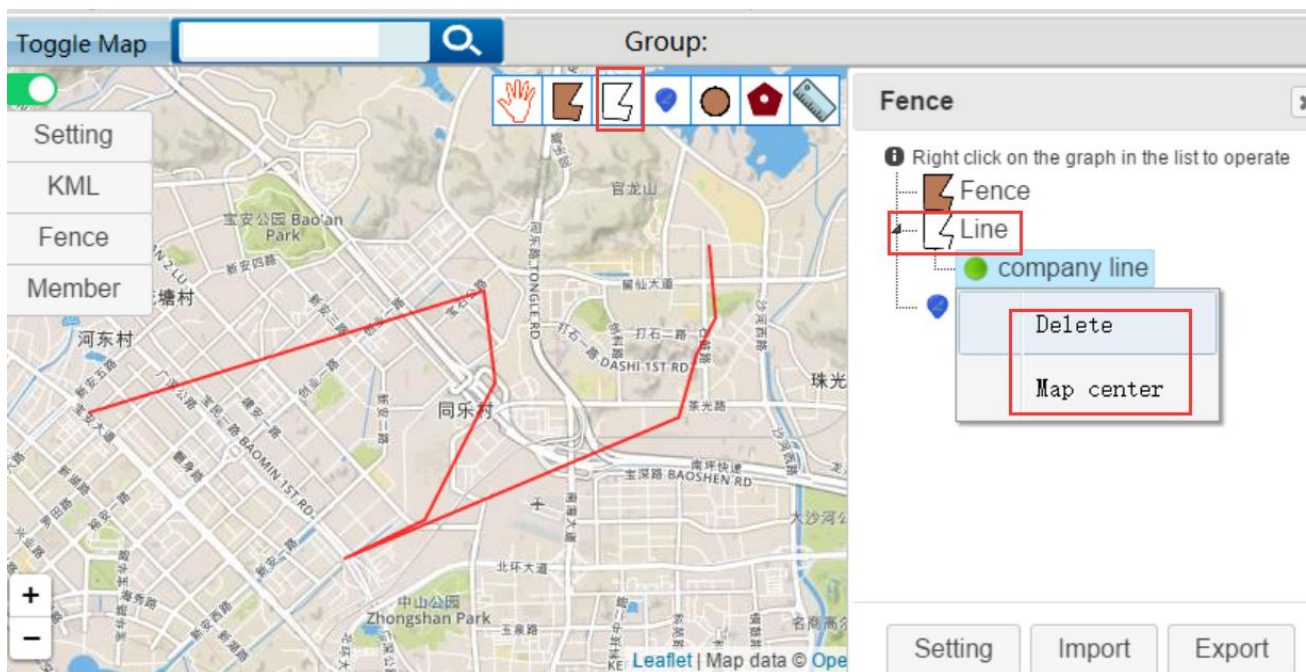
- Fence
- security fence2
- Line
- railway
- Mark
- Corget buiding

Setting Import Export

ed the message Sent message Fence event

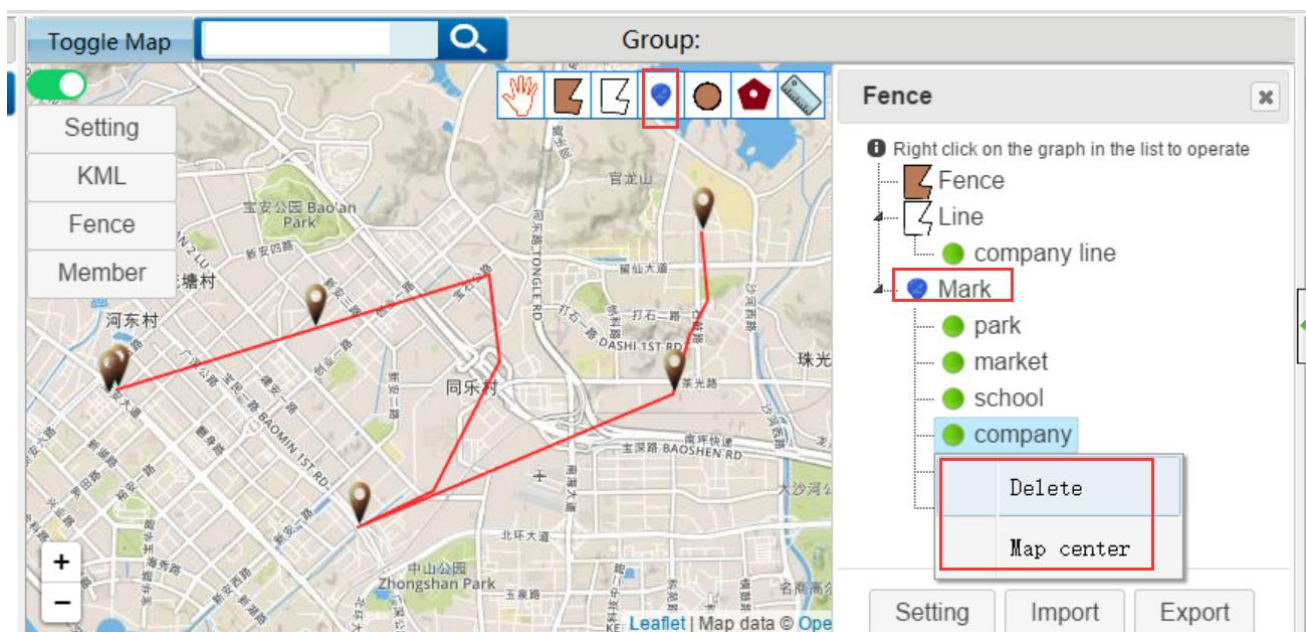
Speed Direction Elevation Status GPS time

Please choose group or Send



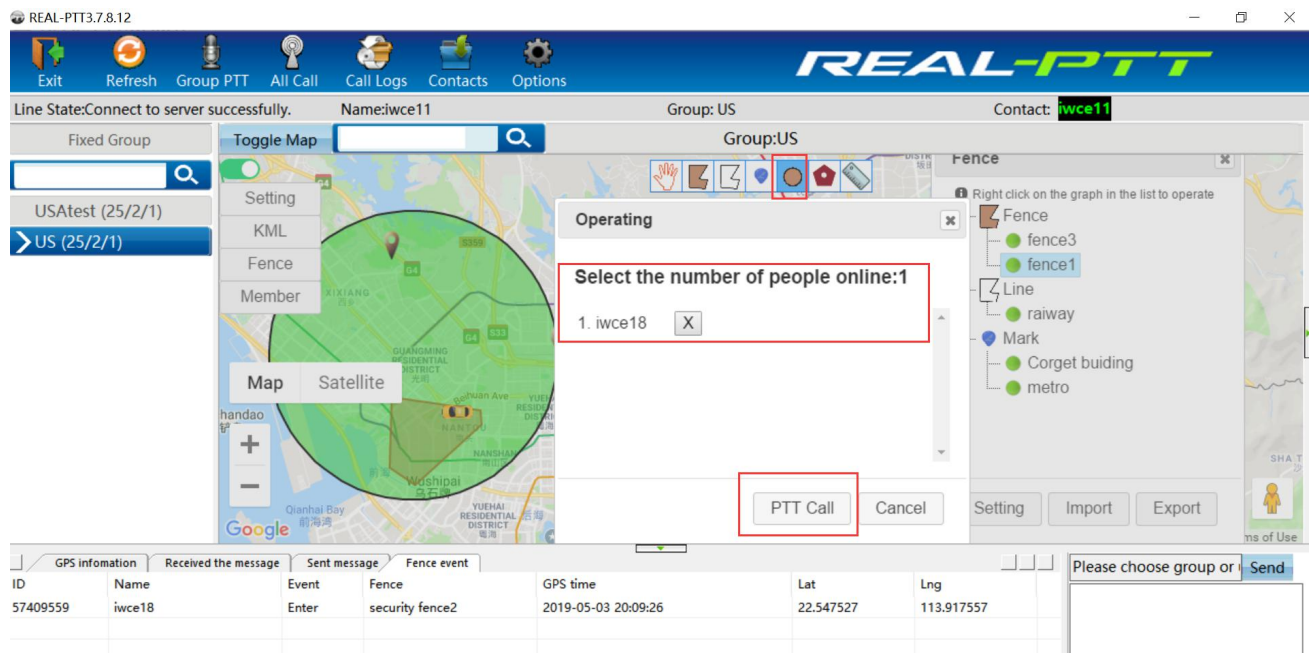
4.3: Drawing mark

Click "mark", input name, click "stop drawing", then can draw some mark on the map interface, all mark can be displayed. you can delete and let some mark into map center.

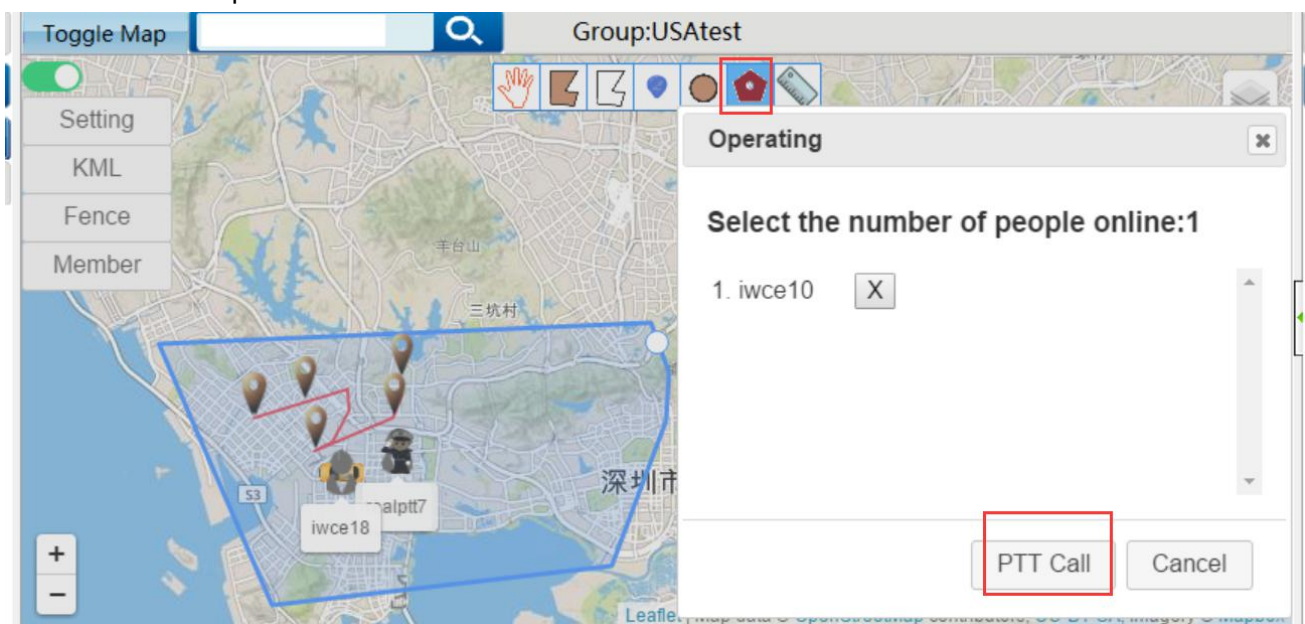


4.4: Multiple selection and polygon selection ptt call

It is used to select a user or some users on the map to create a dynamic group to make calls. Click "multiple selection" or "polygon selection" on the map. After selecting the user, click "PTT Call" to create a dynamic group.



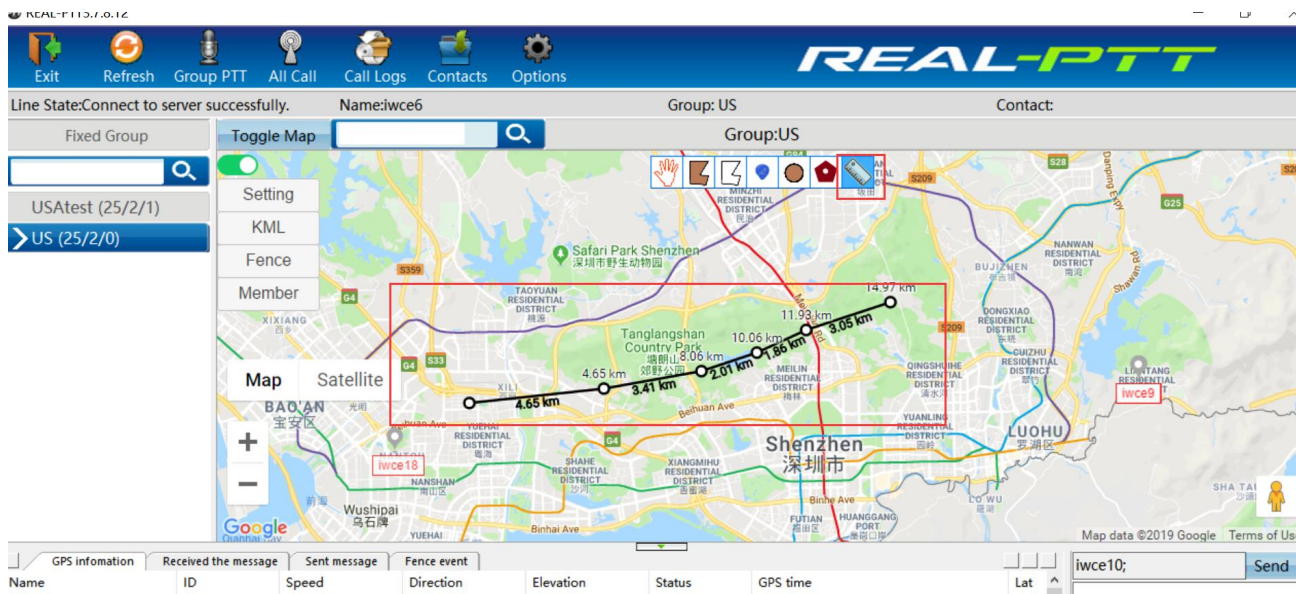
Multiple selection PTT call



Polygon selection PTT call

4.5: Distance measurement

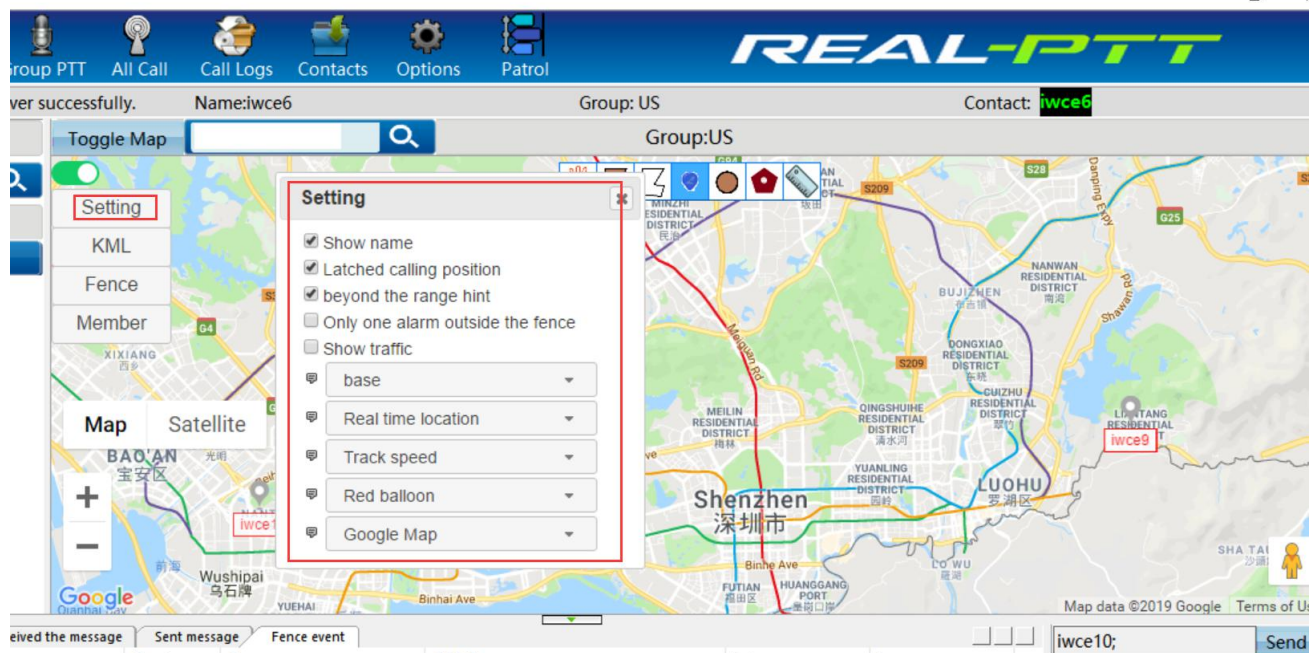
It is a tool to make straight line measurements on a map



5: Function setting area

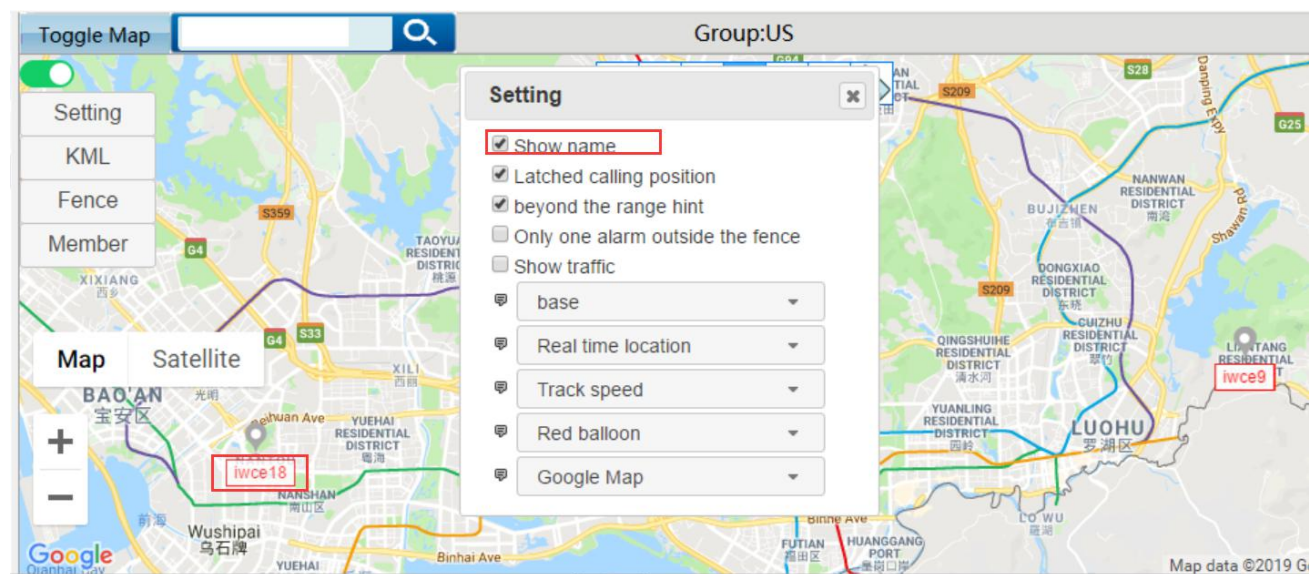
5.1: Setting

It include user name show setting, latched calling position setting, beyond the range hint, only one alarm outside the fence, base color setting, location display setting, track speed setting, users icon setting, map display setting.

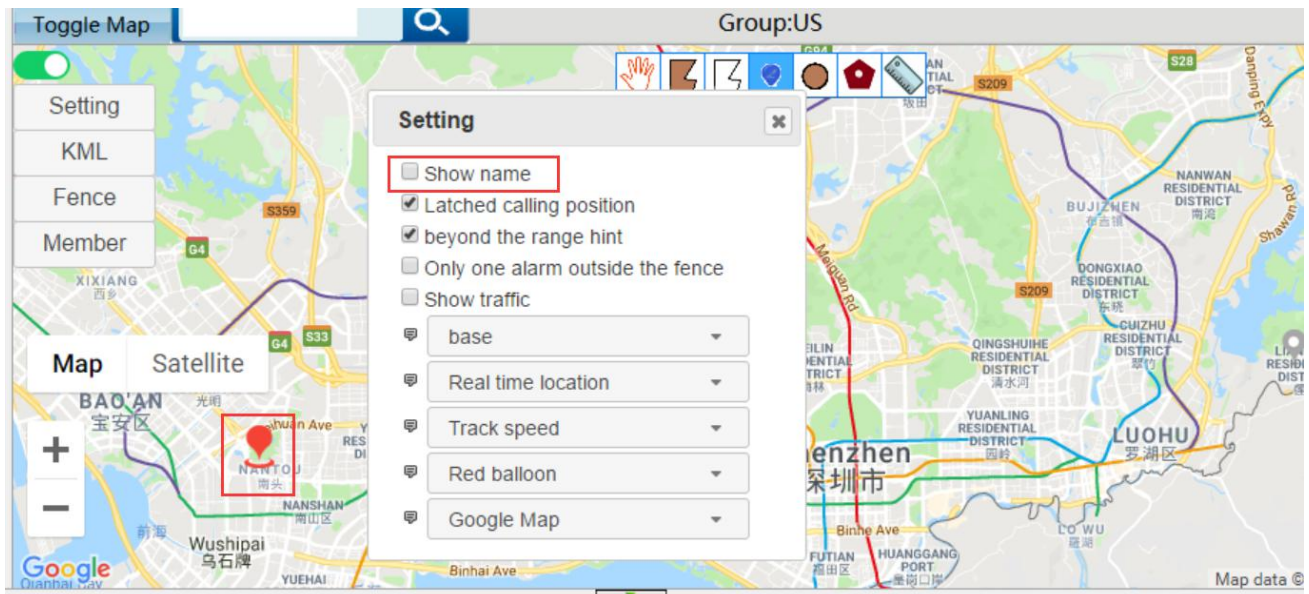


Show name

Select "show name", the location user name will be displayed, don't select "show name", the location user name will not be displayed, as below



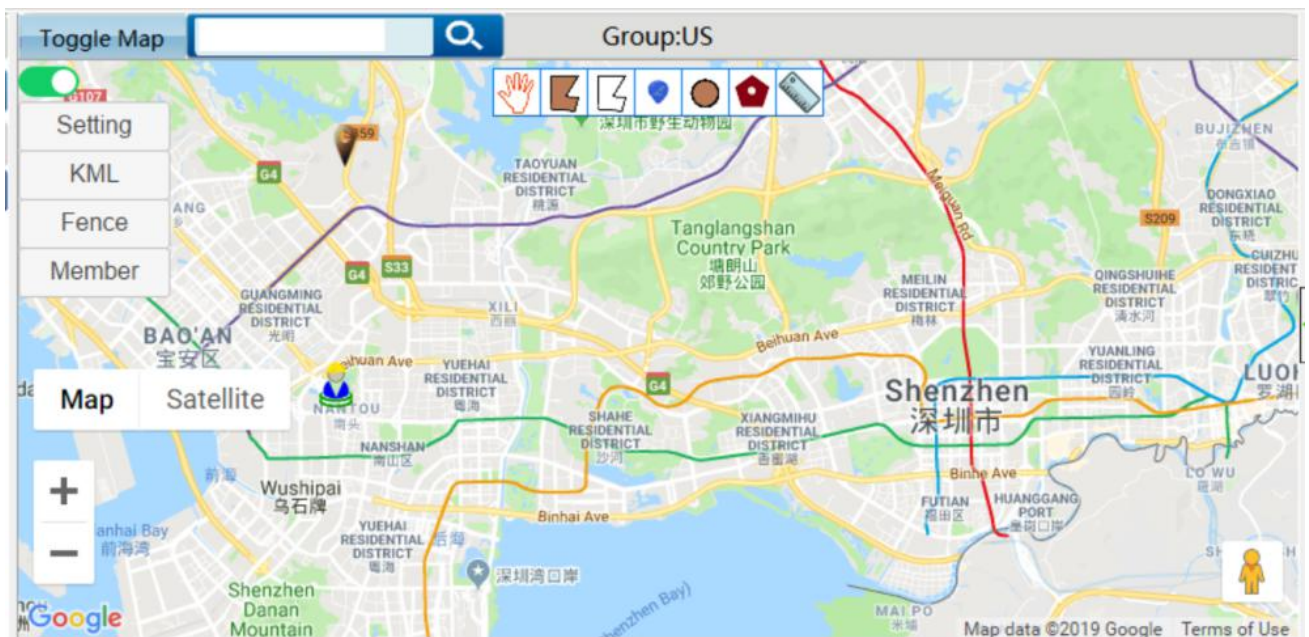
Selecting show name



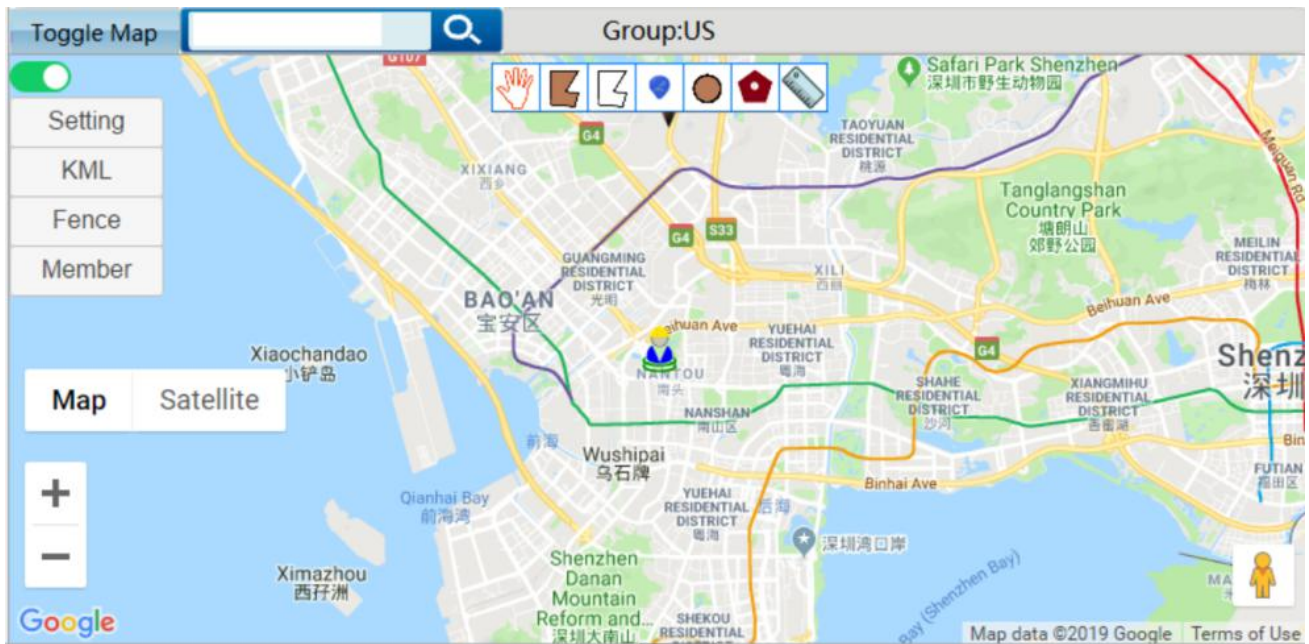
Not selecting show name

Latched calling position

In the map mode, click “Latched calling position”, the system can lock the speaker location automatically, and the speaker location will be displayed in the center of the map. As shown below.



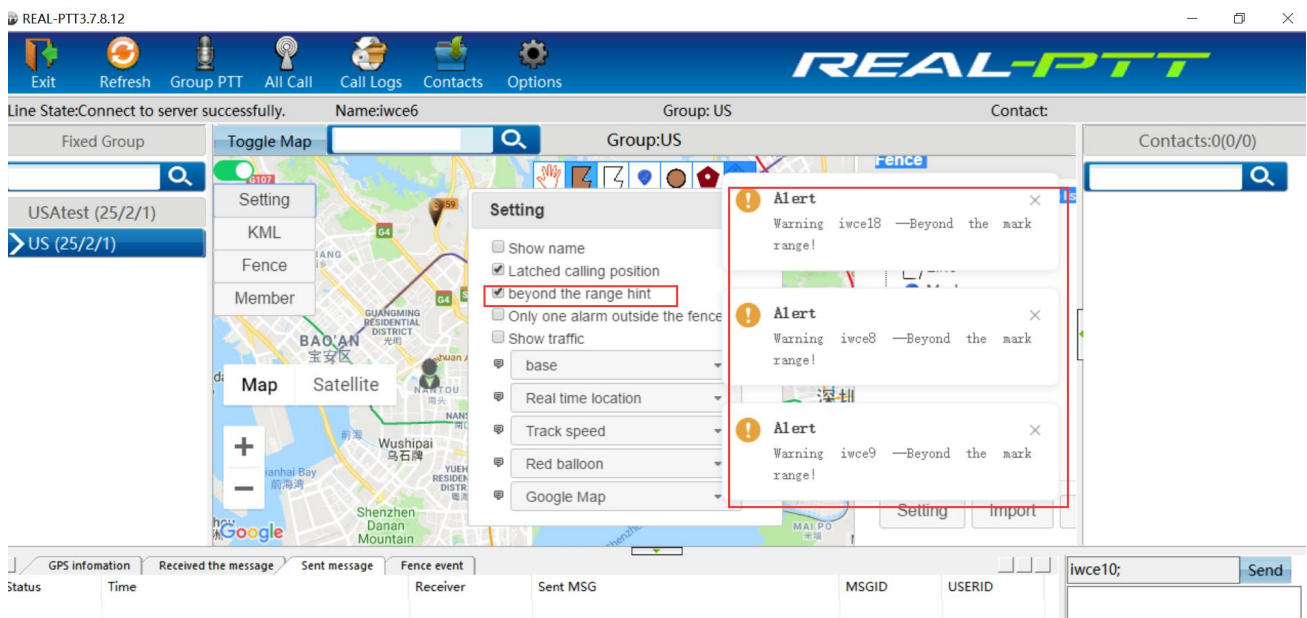
No select “Latched calling position”



Selecting “Latched calling position”

Beyond the range hint

Select it, there will be alerts after the users location are beyond the fence range.

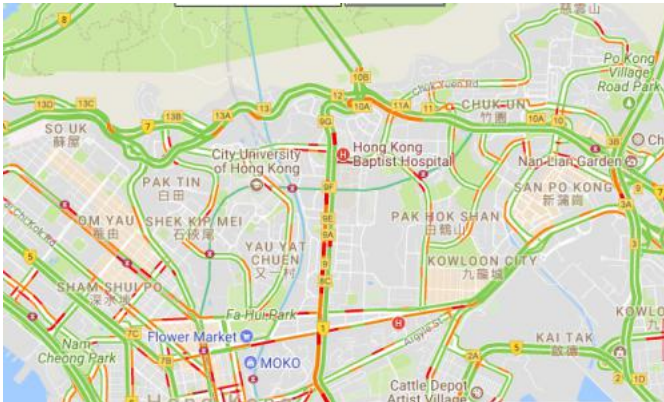


Only one alarm outside the fence

Select it, there will be only an alert after some users location are beyond the fence range

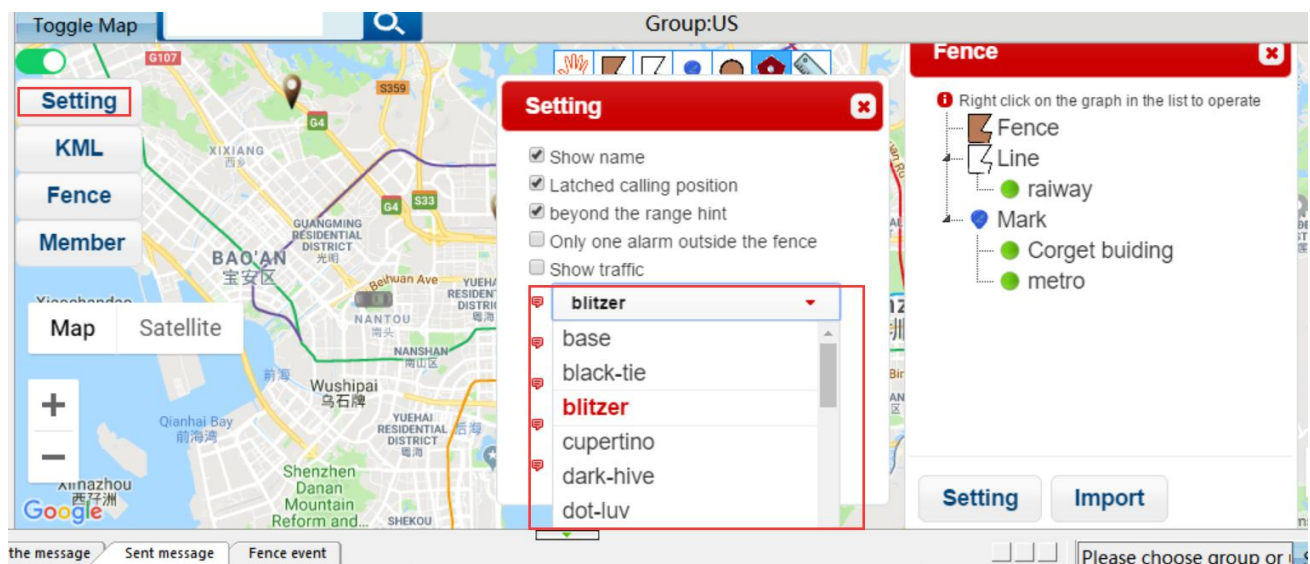
Show traffic

Click traffic map, than it will show road traffic situation.



Base

It can select different interface color

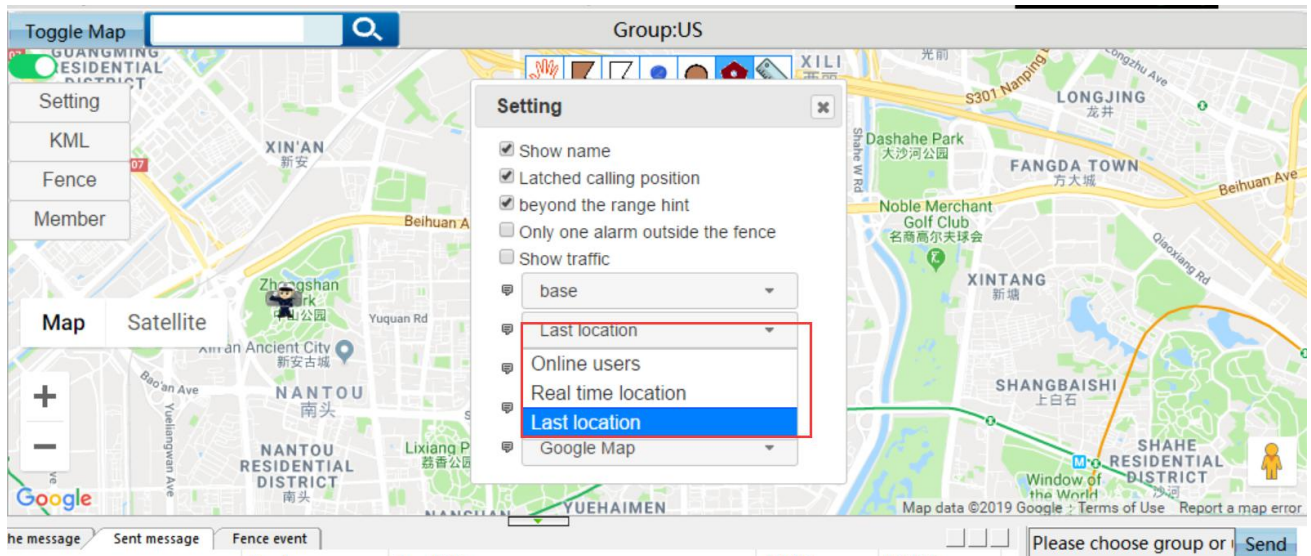


Online users, real time location, last location

Online users: Displays online user location, When the online user has no real time location, it will display last location.

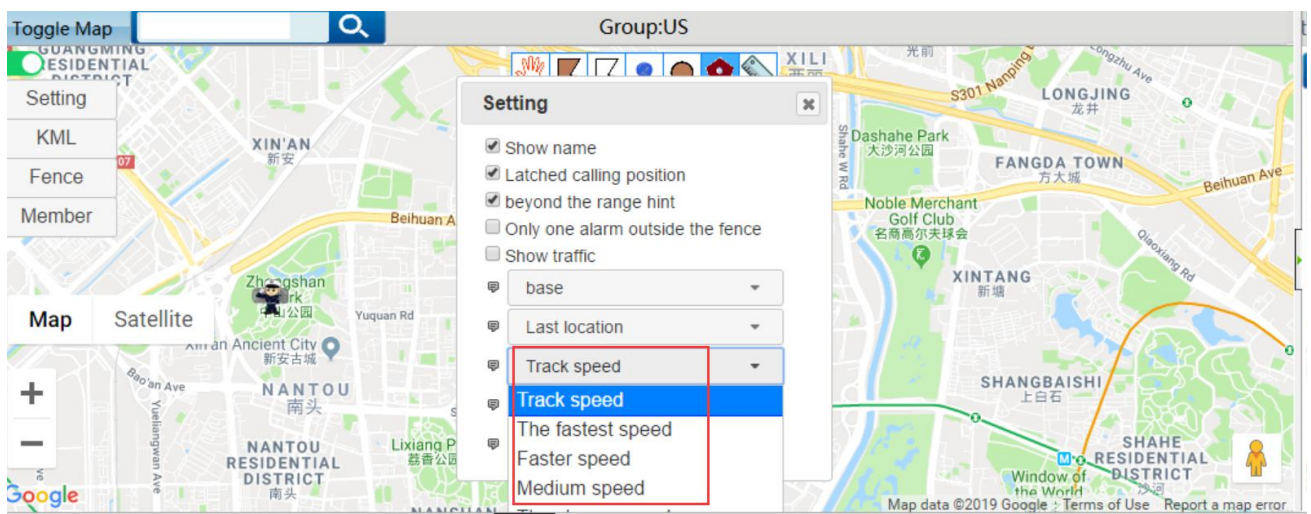
Real time location: Displays users who have location information during 5 minutes

Last location: Displays information for last location of all users.



Track speed

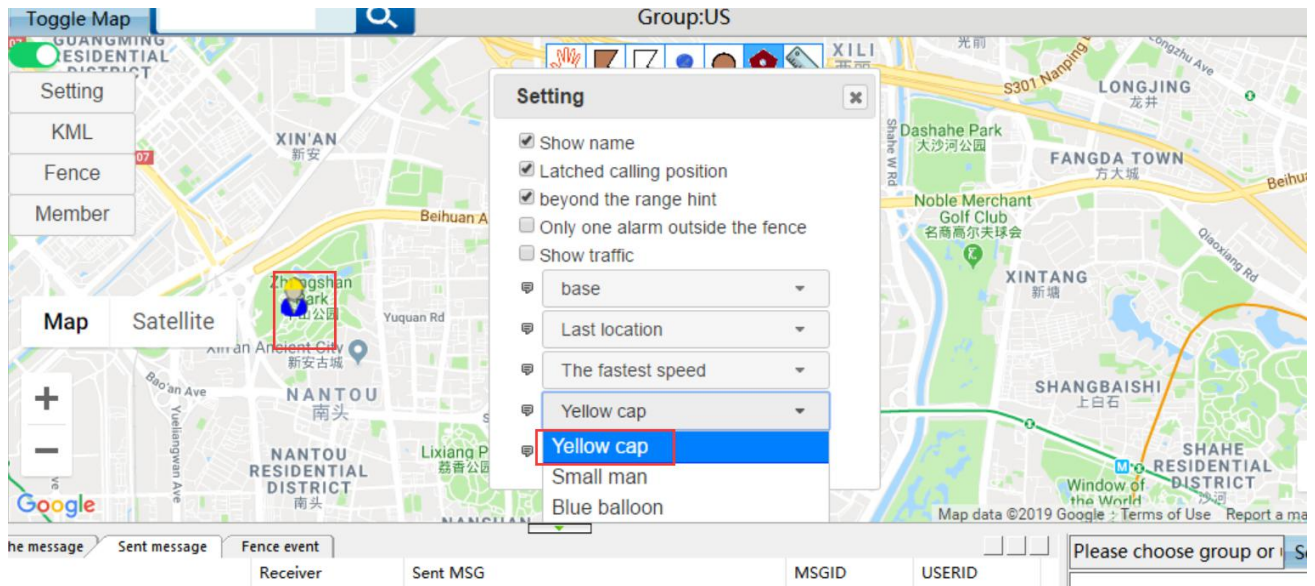
Setting the playback speed of the user track. When checking the user gps tracking, track speed can be used to simulate the user's tracking process. There are five kinds of playback track speed.



Track speed

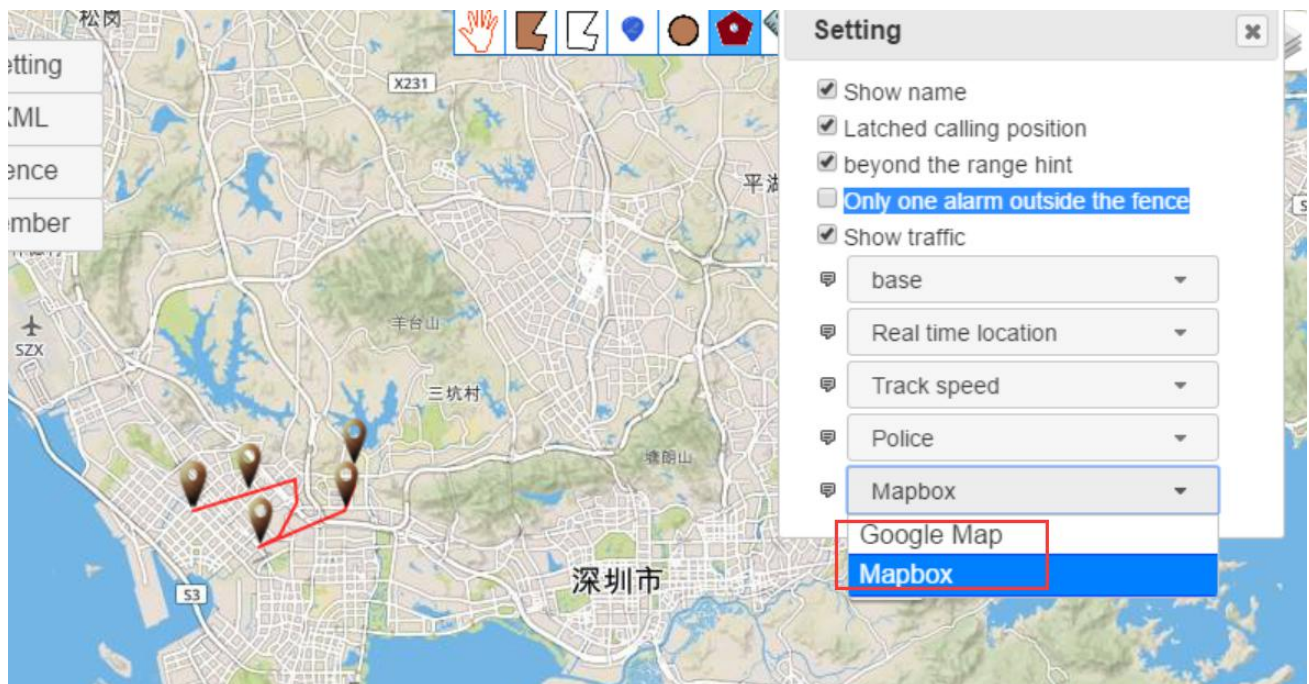
Location user display icon

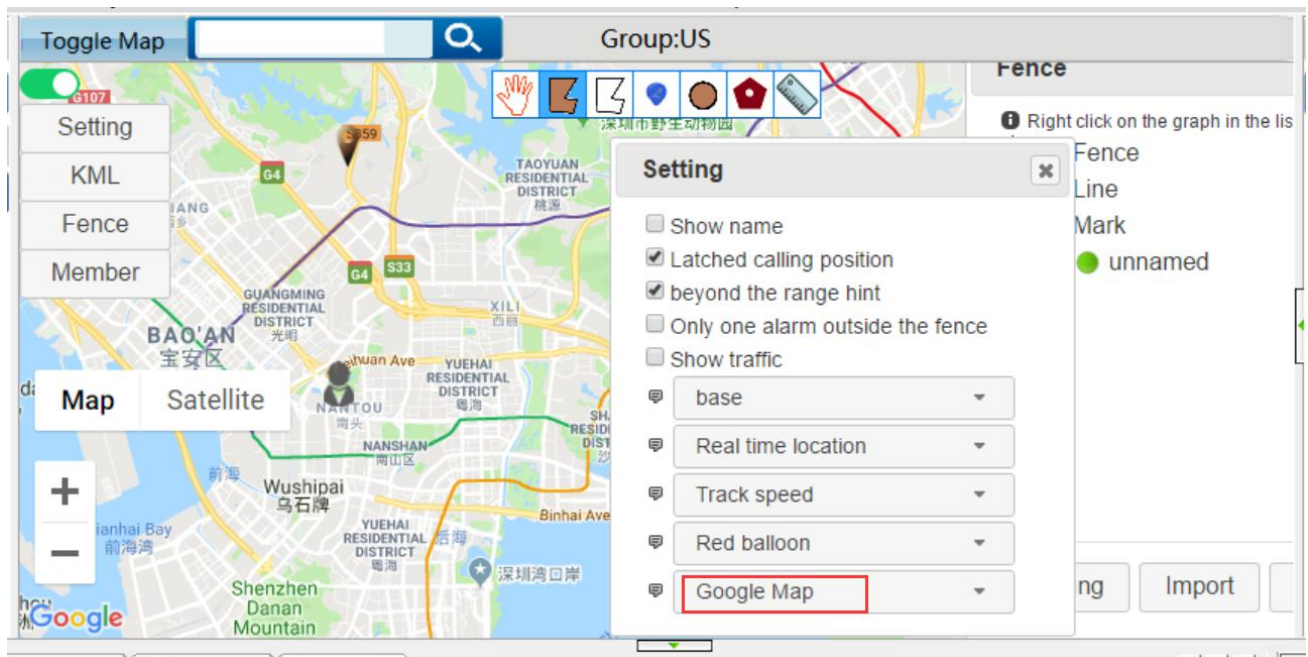
The location user can be set different icon, like yellow cap, small man, blue balloon, red balloon, police, vehicle, select different icon, and the user location icon can be different in the map



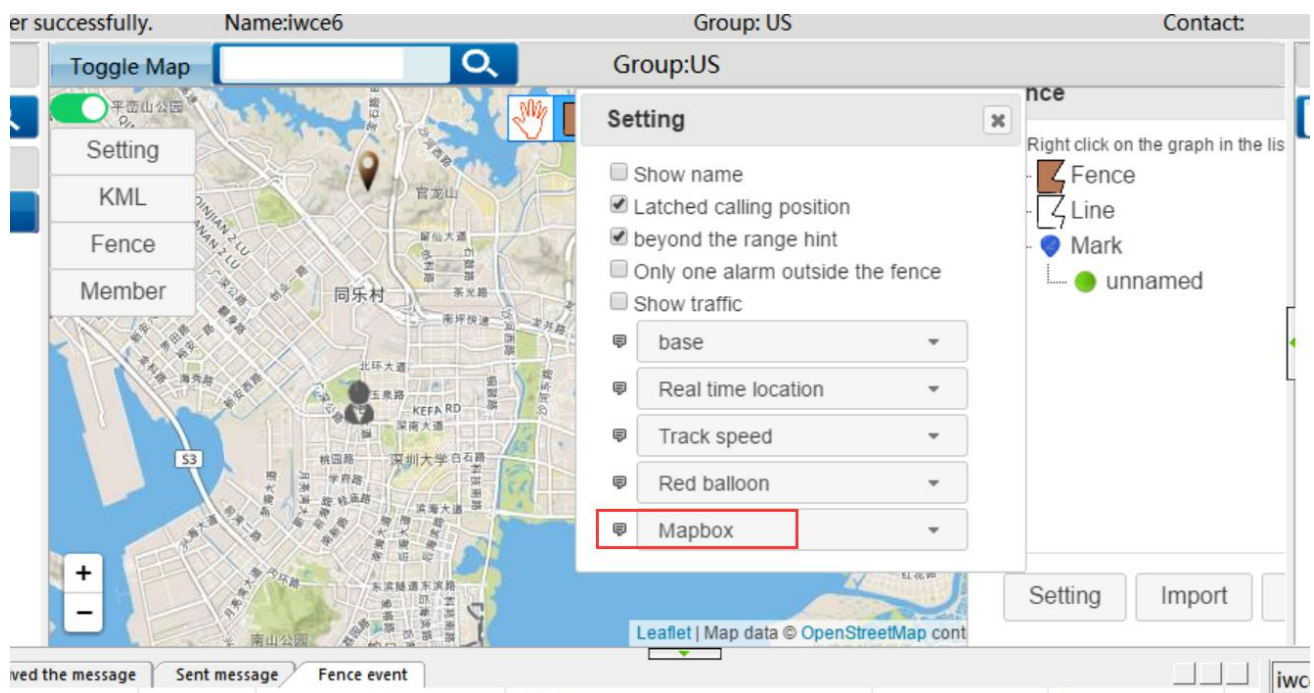
Map mode

There are Google and Map box map.





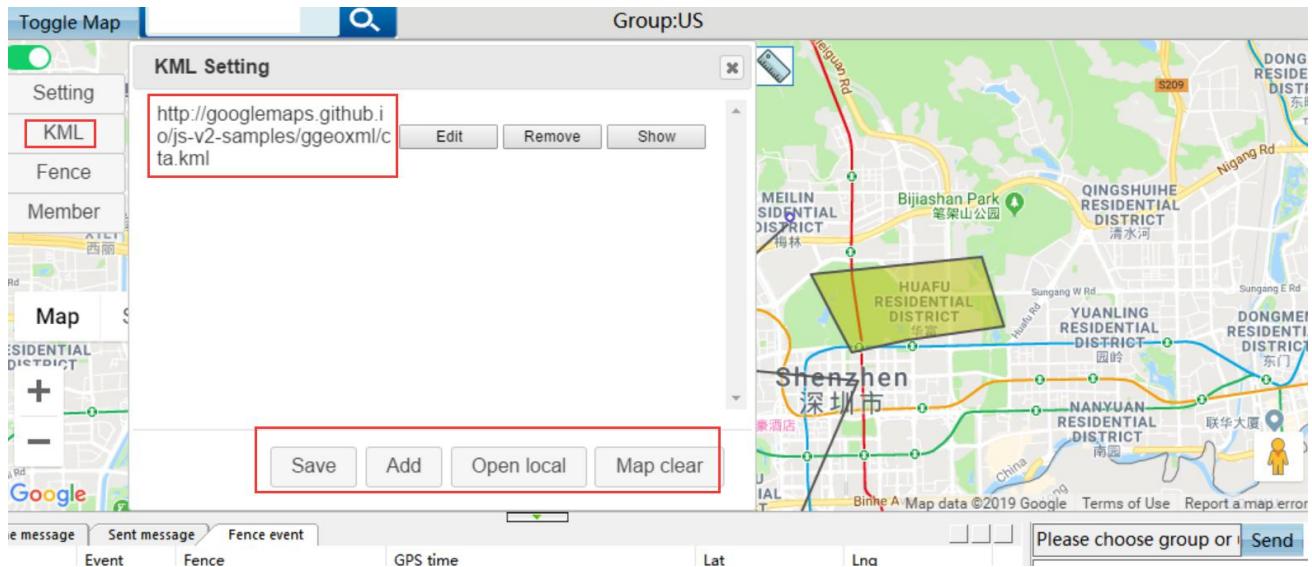
Google map



Map box

5.2: KML

KML file is a kind of geographic information file created by Google company to describe and save track information, such as time, place, latitude and longitude, elevation, etc.



Add: Add a KML link

Open local: select local KML file and import into map

Map Clear: Clearly save the KML mark in the map

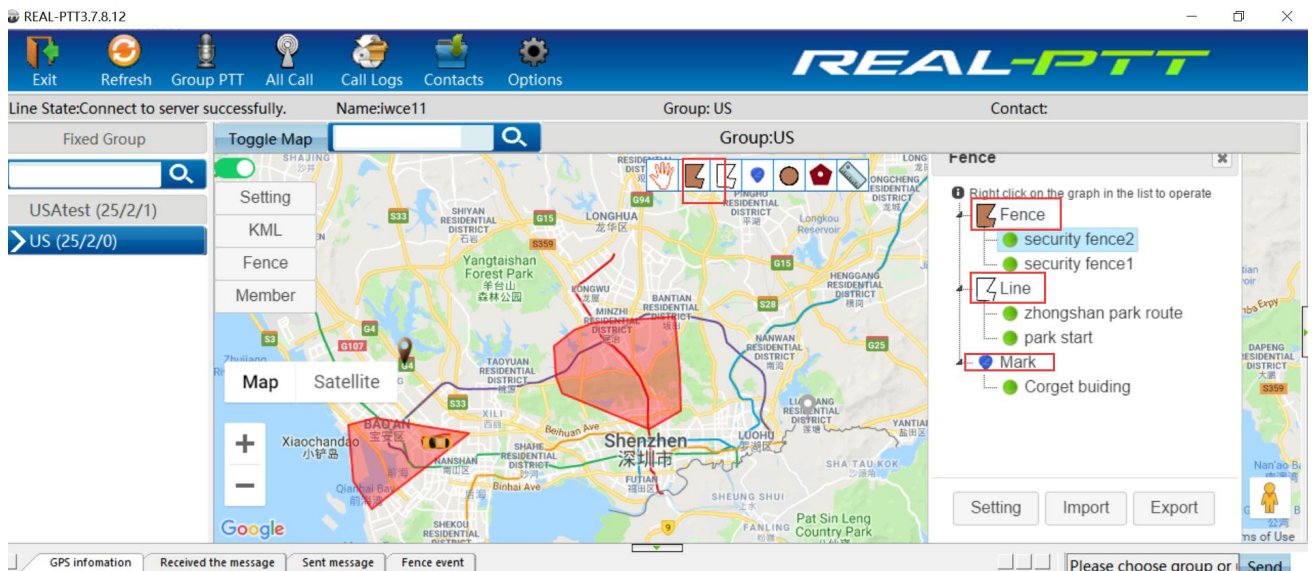
Save: Save KML file

Edit: Modify the current KML file

show: Display KML mark in the map interface

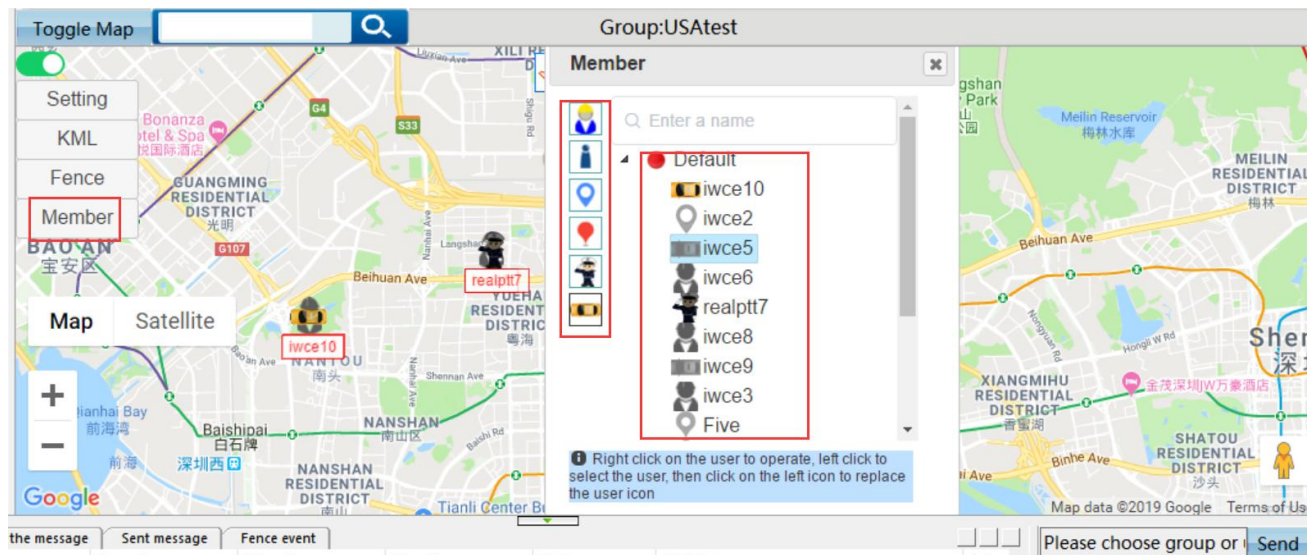
5.3: Fence

Click fences, the fence, route line and mark information can be showed



5.4: Member

Each user member can be customized one icon in the map interface. Select one user on the right and click one on the left, then can set the corresponding icon for this user.



6: GPS, message and fence event display area

6.1: GPS information

Gps information, including user name, user ID, speed, direction, elevation, status, GPS time, and latitude and longitude, etc.

Name	ID	Speed	Direction	Elevation	Status	GPS time	Lat	Lng
iwce18	57409559	0.00mile/h	North	0.00m	This Group	2019-05-04 13:50:25	22.547523	113.917549
iwce10	57409546	0.00mile/h	North	0.00m	Free	2019-05-04 13:23:11	22.547375	113.917458
deon	57409550	0.00mile/h	North	0.00m	Offline	2019-04-02 06:27:07	33.868198	-118.231224
Five	57409549	0.00mile/h	North	0.00m	Offline	2019-04-02 06:23:44	33.868279	-118.231644

6.2: Sent and received message

Messages sent and received can be viewed in the information display area, it is below.

GPS information		Received the message	Sent message	Fence event		
Status	Time		Receiver	Sent MSG	MSGID	USERID
25-0	5-3 17:56:32		US:Group	SOS	4	3017
1-0	5-3 17:56:26		iwce10	SOS	3	57409546
0-1	5-3 17:56:20		iwce10	Have a meeting	2	57409546
25-0	5-3 17:55:45		US:Group	Hello, are you ok?	1	3017

6.3: Fence event

A fence event is a record for some user entering or out an fence after adding some fence. The displayed content includes the user ID, the user name, the event (enter or out), the fence name, the GPS time, longitude and latitude.

GPS information		Received the message	Sent message	Fence event			
ID	Name		Event	Fence	GPS time	Lat	Lng
57409559	iwce18		Enter	fence2	2019-05-04 12:15:57	22.547518	113.917587
57409559	iwce18		Out		2019-05-04 11:05:16	22.547522	113.917564
57409559	iwce18		Enter	security fence2	2019-05-03 20:09:26	22.547527	113.917557

7: SOS

When the user send SOS , the dispatcher will receive the user sos information and display the user's location on the map interface. The sos information can be viewed in the received message area.

REAL-PTT3.7.8.12

Status	Time	sender	Received MSG	MSGID	USERID
*	5-4 15:1:3	iwce18	SOS;iwce18	0	57409559
*	5-4 15:1:3	iwce18	sos	0	57409559