DMR Dispatch Station

User Guide

Beijing VIGOR Digital Communications Co., Ltd



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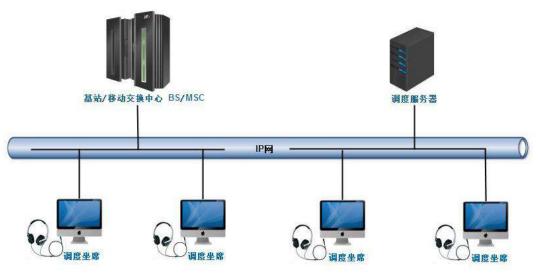
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1 Dispatch Station Overview

1.1 Dispatch Station Introduction

DMR dispatch station, hereinafter referred to DIP, is a DMR conventional wired dispatch subsystem adopting c/s architecture based on unified IP platform. It supports dispatch of multiple wired agents, and provides users with comprehensive DMR command and dispatch service including voice, data, location, etc. The network architecture of the DMR dispatch station is shown in the following diagram.



The dispatcher server is the control core of the DMR dispatch subsystem. The dispatcher server is connected to the DMR system, receives the call request of the mobile user, distributes the call of the user to the designated agent based on the agreed allocation principle, and receives the instructions of each dispatch station, and delivers the instructions to the DMR system. The dispatch terminal can be an ordinary PC. Install dispatch software and microphone, and carry out the command and dispatch of the DMR regular users. There is no need of a special agent phone or dispatching telephone to get an IP-based and software-based dispatch system.

1.2 Characteristics of Dispatch Station

- With call, monitor, recording, positioning, track playback, SMS and other functions
- > Full IP architecture, support for 100 agent dispatch
- > Support multiple maps, online and offline
- Support visual dispatch, can be called directly on the map
- > Support split screen display, map display separately
- Support regional dispatch, different dispatchers define different dispatch ranges
- Professional MIC design, with seat type PTT, hand type PTT, pedal type PTT in various forms.

2 Dispatch Functions

The DMR dispatch station supports functions such as call, short message, visual dispatch, and terminal operation to provide voice, data, positioning, and management services.

2.1 Voice Service

2.1.1 Private Call

A private call between the dispatch station and a user.

2.1.2 Group Call

The dispatch station makes a one-to-many call to a group of users. The speaker's number is displayed in real time during the call.

2.1.3 Broadcast Call

The dispatch station initiates a broadcast call to the group user, allowing only the dispatch station to speak.

2.1.4 Private Call Dispatch Station

The user can initiate a call to the dispatch station, and the dispatch station reminds the incoming call when receiving the call request.

2.1.5 Emergency Call

The mobile terminal can initiate an emergency call to the dispatch station, when the user presses an alarm button in an emergency.

2.1.6 Analog call

The dispatch station can simulate the fixed analog number of the call, and the

analog number needs to be configured on the channel where the repeater is located;

2.1.7 Agent Application into Group

The dispatch station chooses to join a specific group. When the group calls up, the dispatch station will be able to participate in the call.

2.1.8 Recording/Record Query

The dispatch station can choose whether to record automatically.

The call record can be queried at the dispatch station, and can be played back.

2.1.9 Environmental Monitoring

The dispatch station can perform an environment monitoring on the remote idle users, while the listened user may be unaware of it.

2.2 Data Service

2.2.1 Short Message

The dispatch station can perform short data transmission with the mobile station, i.e., send and receive short messages, and support the dispatch station to send group messages.

Short messages can be pre-customized.

2.2.2 Status Message

The dispatch station can send status messages with the mobile station to achieve specific functions, such as one-click reporting, induction, and layoff. Different status codes correspond to different status messages and can be edited at the dispatch station.

2.3 Positioning Service

2.3.1 Satellite Positioning

The current location of the mobile station is displayed in real time on the map. The mobile station reports the location information by means of active reporting.

2.3.2 Support Multiple Maps

Google, OpenStreet, Bing, Gaode, etc., support common and satellite maps, support online and offline maps.

2.3.3 Click

Selecting an online mobile terminal in real time on the map can send a text message, status message or initiate a call.

2.3.4 Location Display of Mobile Station

Display the location information of the mobile station on the map.

2.3.5 Query Mobile Station for Quick Positioning

Query the mobile station on the map and display it in the center after positioning.

2.3.6 Mobile Station Real-time Tracking

The mobile station can be set to track in real time and always display its trajectory on the current screen.

Real-time tracking can be cancelled at any time.

2.3.7 Central Mobile Station

Set up a central mobile station on the map, and the map is always centered on it.

2.3.8 Mobile Station Positioning Hiding

Temporarily hide the location of a mobile station on the map. The location can be displayed by unit.

Unhide the location when needed.

2.3.9 Track Playback

The mobile station activity track can be queried according to the mobile station ID and the time period.

2.4 Dispatch Management Service

2.4.1 Plan Management

The supervising station with super users can perform user management and plan management. Users who are commonly used by the dispatch station are placed in the user list of the dispatch station. Each dispatch station adds the commonly used dispatch users to my plan according to its own dispatch requirements.

2.4.2 Dispatcher's Decentralized Partition Management

The dispatcher can set different permissions. For example, only the dispatch station with administrative rights can perform operations such as stun, revive. Different dispatchers can set different dispatch ranges, for example, the dispatch station of a police station can only schedule users under the police station.

2.4.3 Dispatch Status Display

The current dispatch status of the dispatch station is displayed, such as the calling and called information, the speaker during the call.

2.4.4 Stun/Revive

The dispatch station remotely controls stun/revive of the mobile station. In the case of stun, the mobile station cannot receive and send a call until the dispatch station issues a revive command to start its service.

2.4.5 Online Test

Detect whether the private call number is online and return the response result;

2.4.6 Call Reminder

Remind the portable radio that the dispatch station will initiate a call and return the response result;

2.4.7 Log Recording

You can associate a call log and record some relevant text information.

2.4.8 Log Query

The information such as the call information and the short message record is stored in the database, and the dispatch station supports the query of the information. For example, the content of the call information includes the call type, the calling number, the called number, the calling time, the ending time, and the duration of the call.

2.4.9 Record Playback

When the log is queried, if it is displayed as a call record, its recording can be played.

3 Dispatch Station Installation

3.1 Database

3.1.1 Operating Environment Requirements

Version V5.1 and above Mysql database, the operating environment requires:

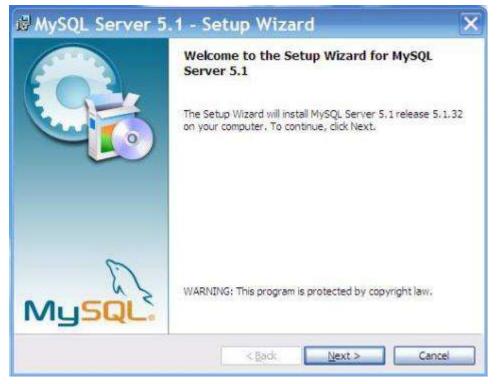
CPU Pentium iv processor or more Hard disk 200G Memory 1G Operating system Windows 7 or higher

3.1.2 Install Database

Generally the database is installed on the computer where the dispatcher

server is located. Take Mysql 5.1 as example below.

Open the downloaded setup file and the following interface appears:



The mysql Setup Wizard starts, click "next" to continue.

Choose the	setup type that best suits your needs.
	t a setup type.
t	Common program features will be installed. Recommended for general use.
	te
1	All program features will be installed. (Requires the most disk space.)
OCustom	
to the	Choose which program features you want installed and where they will be installed. Recommended for advanced users.

Select Setup Type "Typical".

🛃 MySQL Server 5.1 - Setup Wiza	rd		X
Ready to Install the Program The wizard is ready to begin installat	ion.		0
If you want to review or change any exit the wizard.	of your installation se	ttings, click Back. (Click Cancel to
Current Settings:			
Setup Type: Typical			
Destination Folder:			
C:\Program Files\MySQL\MySQL	Server 5.1\		
Data Folder:			
C:\ProgramData\MySQL\MySQL	Server 5.1		
J			
	< Back	Install	Cancel

Press "Install" to start the installation:

stalling	MySQL Server 5.1			6
The prog	ram features you selected are	being installed.		
P	Please wait while the Setup W several minutes.	/izard installs MySQ	QL Server 5.1. This	may take
	Status:			
	Updating component registra	tion		
				2

While installing, please wait until the following interface appears.

MySQL Enterprise	
MySQL	A MySQL Enterprise subscription is the most comprehensive offering of MySQL database software, services, and support to ensure your business achieves the highest levels of reliability, security, and uptime.
Enterprise	An Enterprise Subscription includes:
version of the worlds most po	e Server - The most reliable, secure, and up-to-date opular open source database. nitor Service - An automated virtual database
3. MySQL Production Su you need it, along with service	ipport - Technical and consultative support when e packs, hot-fixes, and more.
Regimente information d	ick [More] or visit www.mysql.com/enterprise
More	< Back Next > Cancel

Click "next" to continue, the following interface appears.



Now the software is installed, and the above interface appears. Check

"Configure the Mysql Server now", click "Finish" to end the software installation and start the mysql configuration wizard.

Click "Finsh", the following interface appears, and the MySQL Server Configuration Wizard starts.



Click "next" and the following interface appears.

The second second second	Instance Configuration	5
Configure the	MySQL Server 5.1 server instance.	-
Please select a	a configuration type.	
• Detailed	Configuration	
J.	Choose this configuration type to create the optimal server setup for this machine.	
C Standard	Configuration	
0	Use this only on machines that do not already have a MySQL server installation. This will use a general purpose configuration for the server that can be tuned manually.	

Select the configuration method "Detailed Configuration".

MySQL Server Instance Configuration Wizard	×
MySQL Server Instance Configuration Configure the MySQL Server 5.1 server instance.	
Please select a server type. This will influence memory, disk and CPU usage.	
C Developer Machine	
This is a development machine, and many other applications will be run on it. MySQL Server should only use a minimal amount of memory.	
Server Machine	
Several server applications will be running on this machine. Choose this option for web/application servers. MySQL will have medium memory usage.	
C Dedicated MySQL Server Machine	
This machine is dedicated to run the MySQL Database Server. No other servers, such as a web or mail server, will be run. MySQL will utilize up to all available memory.	
< Back Next > Cance	a 🗌

Select the server type "Server Machine".

MySQL Server	Instance Configuration	
Configure the	MySQL Server 5.1 server instance.	
Please select t	he database usage.	
C Multifund	tional Database	
8	General purpose databases. This will optimize the server fi of the fast transactional InnoDB storage engine and the h MyISAM storage engine.	
• Transact	ional Database Only	
	Optimized for application servers and transactional web ap This will make InnoDB the main storage engine. Note that MyISAM engine can still be used.	
C Non-Tran	sactional Database Only	
	Suited for simple web applications, monitoring or logging as as well as analysis programs. Only the non-transactional N storage engine will be activated.	
	< Back Next >	Cancel

Select the database usage of the mysql database, "Transactional Database Only", press "Next" to continue.

MySQL Server Instance Configuration Wizard		
MySQL Server Instance Configuration Configure the MySQL Server 5.1 server instance.		
Please select the drive for the InnoDB datafile, if you do not want to use the default settings. InnoDB Tablespace Settings		
Please choose the drive and directory where the InnoDB tablespace should be placed. C: Installation Path Drive Info Volume Name: File System: NTFS 143.2 GB Diskspace Used		
< Back Cancel		

Configure the InnoDB Tablespace, which is to select a storage space for the InnoDB database file. If you modify it, remember the location and choose the same place when reinstalling. Otherwise, the database may be damaged. However, there will be no problem if the database is backed up. Use the

default installation path, just press "Next" to continue.

MySQL Server Instance Configuration Wizard				
MySQL Server Instance Configuration Configure the MySQL Server 5.1 server instance.				
_	approximate number of concurrent connections to the server.			
O Decision 9	Support (DSS)/OLAP			
2	Select this option for database applications that will not require a high number of concurrent connections. A number of 20 connections will be assumed.			
Online Tra	ansaction Processing (OLTP)			
	Choose this option for highly concurrent applications that may have at any one time up to 500 active connections such as heavily loaded web servers.			
O Manual Setting				
	Please enter the approximate number of concurrent connections.			
	Concurrent connections: 15			
	< Back Next > Cancel			

Select the general mysql access times, and set concurrent connections,

"Online Transaction Processing (OLTP) (500 or so)", press "Next" to continue.

MySQL Server Instance Configuration Wizard
MySQL Server Instance Configuration Image: Configure the MySQL Server 5.1 server instance.
Please set the networking options. Image: Enable TCP/IP Networking Enable this to allow TCP/IP connections. When disabled, only local connections through named pipes are allowed. Port Number: 3306 Image: Add firewall exception for this port
Please set the server SQL mode. For Enable Strict Mode This option forces the server to behave more like a traditional database server. It is recommended to enable this option.
< Back Next > Cancel

Press "Next" to continue:

MySQL Server Instance Configuration Wizard	X
HySQL Server Instance Configuration	
Configure the MySQL Server 5.1 server instance.	
Please select the default character set.	
C Standard Character Set	
Hellol Makes Latin1 the default charset. This character set is suited for English and other West European languages.	
C Best Support For Multilingualism	
Make UTF8 the default character set. This is the recommended character set for storing text in many different languages.	
Manual Selected Default Character Set / Collation	
Please specify the character set to use.	
Character Set:	
< Back Next > C	Cancel

Press "Next" to continue:

MySQL Ser	ver Instan	ce Config	uration Wiza	rd 🔣
COMPANY STREET, 1996 TH	Instance Config MySQL Server 5.1			0
	Windows options.			
Install As			-	
Const	on Windows.	mended way to ru	n the MySQL server	
	Service Name:	MySQL	•	
		🔽 Launch the	MySQL Server automati	cally
🔽 Include B	in Directory in W	/indows PATH		
MySQLs,	server / client ex		ectory containing the /indows PATH variable mand line.	
		< Back	Next >	Cancel

Press "Next" to continue.

	ance Configuratio		6
ontigure the MySQ	L Server 5.1 server	instance,	0
lease set the secur	ity options.		
Modify Securit	y Settings		
New	root password:	********	Enter the root password.
root Con	firm:	WRINNAM	Retype the password.
		Enable root	accase from remote machines
			access in our remote mouthines;
Create An Anony	mous Account		
C This	option will create ar that this can lead t		int on this server. Please m.
祝 note			

This step asks if you want to change the password (the default is empty) of default root user (super management). If you want to modify "New root password", fill in the new password here (if it is reloaded, and the password has been set before. Changing the password here may be wrong, please leave it blank, and remove the checkmark in front of "Modify Security Settings". After the installation and configuration is complete, change the password separately. Fill in the "Confirm" to prevent the error. Check "Enable root access from remote machines". Finally, do not check "Create An Anonymous Account (Create an anonymous user who can connect to the database but can not operate data, including queries)". Press "Next" to continue.

Configure the MySQL Ser	Configuration ver 5.1 server instance.	
Ready to execute		
O Prepare co	nfiguration	
🔾 Write confi	guration file	
🔾 Start servi	e	
Apply secu	ity settings	
Please press	[Execute] to start the configurat	ion.

Confirm if the settings are correct. If there is any error, press "Back" to return to check. Press "Execute" to make the settings take effect.

3.1.3 MySQL Tool Installation Instructions

Before creating the database, you must ensure that Mysql is installed in the operating system and the Navicat Lite for MySQL tool is installed. Step 1: Open the Navicat Lite for MySQL tool on your desktop



Step 2: After opening Navicat Lite for MySQL, select the connection, as shown in the figure:



Step 3: connection test:

🛃 [连接]								×
常规	高级	SSL	SSH	HTTP					
连接名	द ः			ddt					
主机名	ʒ/耶 位址	t:		192.	5.0.101				
埠:				3306	5				
用户名	4:			root					
密码:				****	**				
				📝 (持	存密码				
						_			
	连接测	गिर्द				7) 谕定	聊	肖

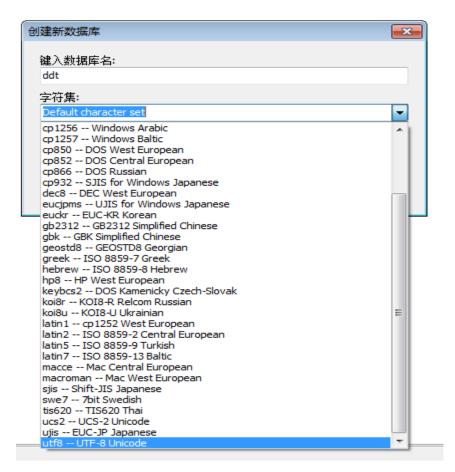
🖉 [连接]	x
常规 高级 SSL	SSH HTTP
	ddt
主机名/IP 位址: 埠:	192.5.0.101 3306
用户名:	root
密码:	
连接测试	确定 取消

Step 4: Create a database and restore the database backup:

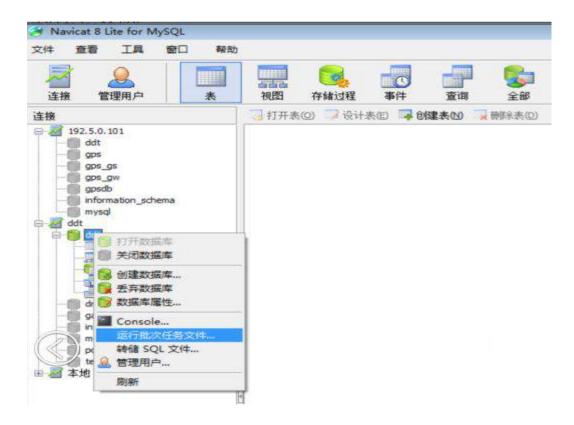
After connecting to the database, right click to create database ddt, for

character set select UTF8

17开表(2) 🧊 设计表(2) 🧊 创建表(2) 🧊 删除表(2)



Step 5: Double-click the ddt database and right click to run the batch task file:



查找范围(I):	■ 桌面	- 0 🕸 😕 🛄 -			
美国家 1000000000000000000000000000000000000	權拟集群管理终端 文件夹		•		
夏面	调度台相关 文件夹			(件)	
<mark>库</mark>	图片 文件夹			录 ddt	
MAN 計算机	信息管理 文件夹 ddt.sql		Ξ	ddt	
风络	Microsoft SQL Server Query 46.6 KB 文件名 (M): ddt. sql	 ▼ [打开	+ -(0)	65001 (UTF-8] 	
	文件表型(T): SQL 脚本文件(*.sq.)	▼ ■			
				4	

Click Start to import the data into the database;

3.2 Dispatcher server Installation Instructions

3.2.1 Software Requirements

Operating system Windows 7 or higher

3.2.2 Hardware Requirements

Device	CPU	RAM
Dispatcher server	Intel core i3 or equivalent	4GB

3.2.3 Installation Steps

1. Please confirm whether .Net Framework4.0 or above is installed. If not,

please install Dotnetfx.exe, the installation program will automatically prompt

to install .NetFramework4.0, please accept the installation.

2. Click the Setup.exe file in the dispatcher server directory in the installation disk.

🔐 调度服务器	
欢迎使用 调度服务器 安装向导	
安装程序将引导您完成在您的计算机上安装 调度服务器 所需的步骤。	
警告:本计算机程序受版权法和国际条约保护。如未经授权而擅自复制或传 其中任何部分),将受到严厉的民事及刑事制裁,并将在法律许可的范围内多 的起诉。	播本程序(或 受到最大程度
取消 < 上一步 (8)	下一步图)>

Click Next

🕞 调度服务器	
选择安装文件夹	
安装程序将把 调度服务器 安装到下面的文件夹中。	
要在该文件夹中进行安装,请单击"下一步"。要安装到其他文件夹 个文件夹或单击"浏览"。	,请在下面输入另一
文件夹 (E):	
C:\Program Files\vigor\调度服务器\	浏览(B)
	磁盘开销 (1)
为自己还是为所有使用该计算机的人安装 调度服务器:	
● 任何人 (2)	
○ 只有我 @)	
) 下一步(11) >

Select the directory to install and click Next



Click Next to install.

🔐 调度服务器	_ 🗆 🗙
安裝完成	
已成功安装 调度服务器。	
单击"关闭"退出。	
请使用 Windows Update 检查是否有重要的 .NET Framework 更新。	
取消 < 上一步 (8)	关闭(C)

Click Close when the installation is complete.



The installer will create shortcuts

as below on the desktop and in

the program.

3.3 Dispatch Terminal Installation Instructions

3.3.1 Software Requirements

System with .Net Framework 4.0

Microsoft® Windows® XP/Win7 (Home or Professional)

3.3.2 Hardware Requirements

Device	CPU	RAM	Remarks
Dispatch Station	Intel core i3 or equivalent	4G	Configuring a sound card

3.3.3 Installation Steps

1. Please confirm whether .Net Framework4.0 or above is installed. If you do not install Dotnetfx.exe on the installation disk, the installation program will automatically prompt the installation. Please accept the installation.

2. Click the Setup.exe file on the installation disk to command the dispatch terminal directory to install.

<mark>谩</mark> 指挥调度终端		<u>_ ×</u>
欢迎使用 指挥调度约	冬端 安装向导	
安装程序将引导您完成在您的	计算机上安装 指挥调度终端 所需	的步骤。
警告:本计算机程序受版权法 其中任何部分),将受到严厉的 的起诉。	和国际条约保护。如未经授权而擅 的民事及刑事制裁,并将在法律许可	[自复制或传播本程序 (或 可的范围内受到最大程度
	取消<上-	-步(g) - ず - (g) - 步(- (g) - 步(- (g) - 丁) - (g) - 丁) -

Click Next to select the installation folder

<mark>侵</mark> 指挥调度终端		
选择安装文件夹		
安装程序将把 指挥调度终端 安装到下面。 要在该文件夹中进行安装,请单击"下一 个文件夹或单击"浏览"。		文件夹,请在下面输入另一
文件夹 (2):		
C:\Program Files\vigor\指挥调度终端	新 \	浏览(B)
		磁盘开销 @)
为自己还是为所有使用该计算机的人安全	侫 指挥调度终端:	
〇 任何人 (2)		
☞ 只有我 (@)		
	取消 <」	步(1) / 下步(1) /

Click Next to confirm the installation.



Click Next to install

<mark>慢</mark> 指挥调度终端		_IIX
安裝完成		
已成功安装 指挥调度终端。		
单击"关闭"退出。		
请使用 Windows Update 检查是召	有重要的 NET Framework 更新。	
	取消 (上一步 (3)	关闭(C)
		J (]

Once the installation is complete, click close to exit and add a shortcut



on the desktop.

3.3.4 External PTT

To enable the external pedal device, set the PTT shortcut key, first install the

pedal drive.

📄 geil.u3	2007/6/3 12:15	U3 文件	45 KB
😤 usbKeyboardOnce-3.2	2012/3/15 21:36	应用程序	392 KB
USB脚踏开关说明书	2014/12/5 19:18	JPG 文件	1,109 KB
🗟 USkin.dll	2006/8/2 21:51	应用程序扩展	327 KB
📄 声明:个别杀毒软件弹出病毒为误判,请	2015/10/19 12:03	文本文档	1 KB

Double-click to run, check Ctrl, enter the keyboard PTT shortcut Ctrl+ number 1-9 you want to enable at the key definition, such as keyboard input Ctrl+1;

As shown below:

2	Vsbhid P	(eyboard 3.0 Designed 1	by JC		8
	请输入自定 号串联:	2义键,鼠标左键选择,右键	删除!支持字!	母与数字与符	
		键值定义			
Language	1	Ctrij1j,	-	单键 🖃	
Chinese 💌					
Кеу					
1					
<u> </u>		Group Key	_		
Ctrl		Alt 📕		E Shift	
清空		保存		退出	

3.4 Fast Installation Guide

3.4.1 Dispatcher server

Require win7 or above operating system. Follow the steps below to install:

- 1) Install .Net Framework 4.0
- 2) Install dispatcher server
- 3) Install mysql 5.1
- 4) Install the database tool Navicat Lite for MySQL
- 5) Create database dmr
- 6) Import data dmr.sql
- 7) Run the dispatcher server and configure it accordingly
- 8) If you use offline maps, use the map tool to download

3.4.2 Dispatch Station

Require win7 or above operating system. The dispatch station can be installed in the same machine with the dispatcher server. Follow the steps below to

install:

- 1) Install .Net Framework 4.0
- 2) Installation dispatch station
- 3) Copy the map file into the relevant directory
- 4) Run the dispatch station and configure accordingly

4 Dispatcher Server

4.1 Program Startup

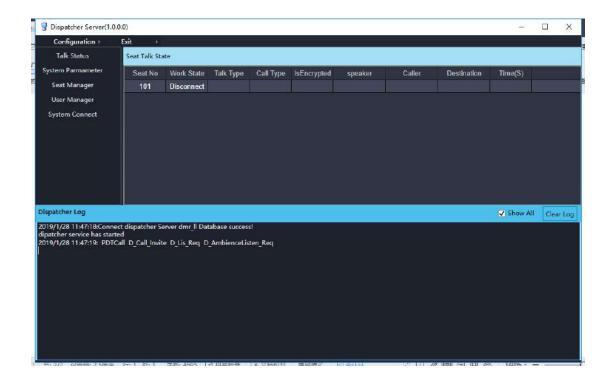


Double-click the shortcut

on the desktop and the following main

interface appears.

The upper left part of the interface is the function selection tree, and the upper right is the function display area. The lower part is the dispatching log display area.



4.2 Database Access Configuration

To use the database for the first time, click [Configuration] – [Database Connection] on the menu for database configuration. See the following interface below:

Seconfiguration		×
Dispacher DBConfig		
DBIP : 192.168.20.199	Ý	DBName : dmr_ll
UserName : root		Password :
		Connect Test
		Save Cancel

The dispatcher database is generally installed in the dispatcher server. The cluster database is generally installed in MSC. Click [Connect Test] to test whether the database connection is normal.

4.3 System Settings

4.3.1 Talk Status

You can see if each agent is online, and if the agent is in talk and who the speaker is.

😨 Dispatcher Server(1.0	0.0.0)								:	×
Configuration +	Exit 🕴									
	Seat Talk Sta	ate								
System Parmameter	Seat No	Work State	Talk Type	Call Type	IsEncrypted	speaker	Caller	Destination	Time(S)	
Seat Manager	101	Disconnect								
User Manager										
System Connect										

4.3.2 System Parameters

The parameters include IP address, port number setting and map configuration and so on. The parameters can only be modified and cannot be added. After the modification, the settings will take effect after restarting dispatcher server.

The interface is as follows:

Configuration	Exit +				
Talk Status	System Parameter Set				
gstein Parmameter	Parameter Name :	Value :	Comment :	Modify Save	
Seat Manager	Parameter Name	Value	Comment		
User Manager	calltimeout	30	呼叫超时时间(秒)		
System Connect	dialType	30	0:pdt拨号方式1:dmr拨号方示	1	
	diaoduip	192.168.20.199	词度服务器中转台方向ip地址		
	diacduipw	192.168.20.199	调度服务器座库方向ip地址	e	
	gpsNum	1615073	定位接收号码		
	gpstranType	0	上10500 547 地图坐标業型 0:WGS-84 1:GCJ-	or and a second s	
	language	1	0.中文 1英文	<i>n</i> .	
	LisNumCou	8	0.77×194× 同一个号码可以设置的最多座库	6	
patcher Log	LISNUHLOG		FU - 1 - 5 14 14 3 400 EX 13 18 34 EX 4 1	A10	200
10000000000000000000000000000000000000				🔽 Show All	Clearil
atcher service has sta	nect dispatcher Server dmr_ll Databas arted TCall D_Call_Invite D_Lis_Req D_Ami				

The mainly used settings are as follows:

Diaoduip (cluster controller direction IP address): The IP address that the dispatcher server uses to connect to the cluster controller.

Diaoduipw (dispatcher server agent direction IP address): The IP address of dispatcher server relative to the agent. The dispatcher server uses dual network card.

gpstranType (map type): Select the map type displayed by the dispatch station.

dialType (dial mode): The dialing mode of the dispatch station call portable radio. For the normal mode selects 1;

Login_name (system login name): The login interface of dispatch station displayed.

Language: The language version of the dispatch, currently English and Chinese.

Gpstype (gps positioning mode): The GPS positioning method, mainly subscription and active reporting. Generally active reporting is adopted.

isMds (whether or not to use media gateway): Set whether the dispatch station voice uses the media gateway server.

gpsNum (gps positioning number): The number used for GPS positioning.

gpstranType (map coordinate type): The display type of latitude and longitude on the map.

4.3.3 Agent Management

The agent refers to the computer information that runs the command and dispatch terminal software which includes the seat number, the seat number must be three digits; the seat ip address; status; the connection status of the agent; the dispatch station number; the number dialed by the portable radio to call the dispatch station;

Each agent can belong to multiple dispatchers.

As shown below:

Configuration)	Exit 🕞				
Talk Status	Seat Manager	1			
System Parmameter	Seat No :		User No : 101	 Dispatcher No : 	
Seat Manager		Add	M- 46	Delete Save	
User Manager		DDA	Modify	Delete Save	
System Connect	Seat No	User No	Dispatcher No	State	
	101	101	1615072	Disconnect	

4.3.4 System Connection

You can view the connection status of the device and add, modify, delete and save. As shown below:



Devices that the dispatch station needs must be added to this connection table.

5 Dispatch Terminal

5.1 Log in

Run the dispatch terminal software and the login interface will pop up.

🛞 EXCERA				- ×
	DN	IR Dispatcher		
	5			
	L Us	ier		
	Passwo	rd	115	
	Veri co	de	6005	
	_		-	
		Login		
				😂 Login Set

Enter the username and password and click [Login]. If it is a super user, enter the configuration interface. If it is a normal user, enter the dispatch interface.

If you are logging in for the first time, first click [Login Set] to enter the configuration interface.

Local IP :	192.168.20.199 ×	Language :	English ×
Database IP :	192.168.20.199	Database Name :	dmr_ll
User :	root	Password :	

Enter the local ip and database configuration parameters, click [Connect Test]

to test whether the database can be connected normally, click [Save] to return to the login interface.

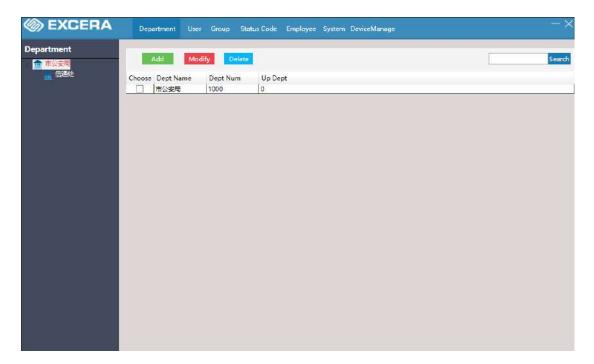
5.2 Dispatch Station Management

After logging in as a super user, start managing the dispatch station including department management, user management, subscription management, status code management, etc.

5.2.1 Department Management

The users to be dispatched are classified by department, and the users and group calls can belong to a department. The department allows two levels of settings.

Department management operations include adding, modifying, and deleting.



You can enter the department number or name to query.

Click [Add] to pop up the dialog box for adding departments.

Enter the department name and number. Click [OK] to add it successfully and add it continuously.

When modifying, first check the department to be modified, and then click

[Modify].

Add Department
Dept Name
Up Dept 市公安局 ✓ OK Cancel
Ma dife Dan antro ant
Modify Department
Dept Name 市公安局
Up Dept NONE ~ OK Cancel

5.2.2 User Management

Add, modify, and delete users, and users are displayed in different departments.

☆市公安局		Add	BatchAdd	Modify	Delete					Sea
曲 信通处	Choose	Name	Num	Dept	Terminal			Is Position	Time slot	
		测试100 测试101	100	市公安局 市公安局	Hand	No2.Repeater	V	>>	1	

The user can set whether to pre-plan (Is Plan), that is, whether to display on the dispatch interface to filter users that the dispatcher does not care about.

Whether to support positioning (Is Position) refers to whether the mobile terminal corresponding to the user has a positioning function.

You can directly check Is Plan and Is Position to modify it.

[Select All] [Inverse Selection] is convenient for administrators to operate all users.

Click [Delete] to delete all checked users.

Enter the user number and click [Query] to quickly find the user.

5.2.3 Group Call Management

rtment		\dd							1	
市公安局	-	100	Modify 🚺)elete					10	Sea
信題社	Choose	Name	Num	Dept	DeviceName	ls Plan	IsEncryption	Time slot		
		测试组1	11	市公安局	No.1 Repeater	V		1		
		全呼組	16777215	市公安局	No2.Repeater	4	V	1		
		2000	2000	市公安局	No.1 Repeater	5		1		
		模拟常规	3000	市公安局	No2.Repeater	~	~	1		

Add, modify, and delete group calls, and display group call by department.

The operation of group call management is same as user management.

5.2.4 Status Code Management

Define the status message of the system.

<i>\$酒 万略</i> 通讯	部门管理	用户管理	组时管理	订阅管理	状态图管理	調度员管理	
泰加修改	創除						直询
选择状态编号状态含义 □ 3 请回电 ▼ 40 按回!	_	_	_	_	_	_	
全选 🚺 反选							

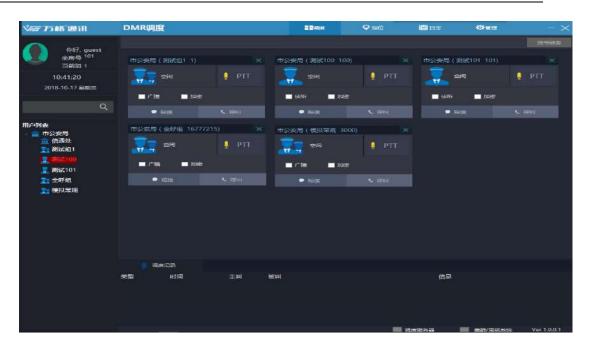
5.2.5 Dispatcher Management

Modify the departments that the dispatcher can manage and control the authority of the dispatcher;

EXCERA Department User Group Status Code Employee System	n DeviceManage — 🗙
Add Modify Delete EmployeeID EmployeeName Password EmployeeType EmployeePower En 101 guest BAF56627478EC76A Manager 所有部门 En admin admin 7A57A5A743894A0E Admin Th	n DeviceManage 一 × mployeeID 101 mployeeName guest ype Manager v ermissions I

5.3 Main Interface

After logging in as the dispatcher, the dispatch terminal displays the main interface (see the figure below). The main interface consists of a toolbar, a user list, a common plan, and a status bar.



As shown in the figure above, the login information is displayed on the upper left. The user list and all group calls are displayed by the department in the lower left user list. The function menus and speaker sound adjustments are displayed on the upper right. The common schedule is displayed in the right, and the most recent operation log is displayed on the lower right. The status bar shows the device connection status.

5.4 User Dispatch

5.4.1 Plan Management

Right-click the user number in the user list and select [Add to schedule], then the user is added to the plan area, and the number of users in the plan area is up to 8.



The dispatcher can call and send text, etc. to the users in the plan area.



Click [x] in the plan to delete the user plan.

5.4.2 User Lookup

Enter the number you want to search in the search bar and click the query icon to automatically locate the number you are looking for, as shown below:

EXCERA	Þ	MR Dispatche		Elen	Position	El Log	402Manage	
~								Dial Keyboa
Hello, guest Seat Num ¹⁰¹	-	1公安局(測試道1-1)		市公安局(測試100)	100) ×	市公会間(386(101 101)	
Cur group 1								
18:48:45		tdle	📮 PTT	Idle	🔍 PTT	1.1.1	dle	📮 PTT
2019-01-25 Fri		H 4						
		🔲 BroedCast 🛄 Encryp	tion	Monitoring E	incryption	- Moni	toring 🔲 Encryptic	
	2	● Mas		● Mes	S Call	- 1		Cull
ær List	-	1公安局(全呼迎 167772				House a	織収発规 3000)	
💼 市公安局	- 20			市公安局(2000-200	N) ^		services and a service of the servic	
···· 信源处		tdia	📮 PTT	Idle	📮 РТТ		Idle	🧕 РТТ
元: 税站公组1		TT =		A CONTRACTOR		10.57.0077		
24 PRE 100		🔲 BroadCast 🛄 Encryp		BroadCast E	incryption	Broad	Cast 🔲 Encryptic	
💻 Rhat101								
🏦 全呼組		Alex	< Cnll	S Mes	S. Coll			
2000								
🚬 權拟常规								
	Туре	Time	Calling	Called		Message		
	Туре	Time 1/25/2019 6:47:43 PN		Called 101		Message		
			16777215			Message		
		1/25/2019 6:47:43 PM	16777215 16777215	101		Message		
		1/25/2019 6:47:43 PN 1/25/2019 6:47:04 PN	16777215 16777215 101	101 101		Message		

5.4.3 Call

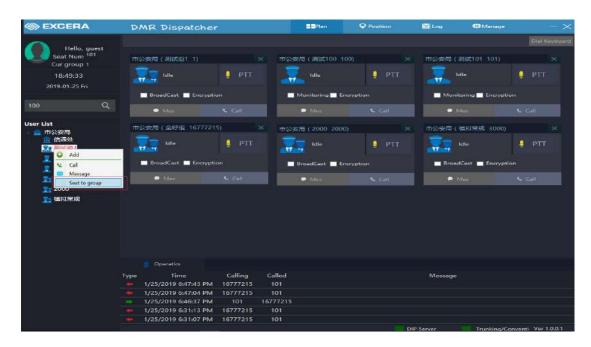
There are four ways to initiate a call:

- Click on the plan call button
- Right-click the user in the user list and select [Call] or [Emergency Call]
- Click [Dial Pad] to enter the user number to call
- > In [Scheduled Record], double-click the relevant user call.
- There are four types of calls: group call--initiating calls to groups; analog conventional--calls to analog channels;

environmental monitoring-The portable radio can hear nearby speech without answering the call; the broadcast call- initiates a broadcast call to a portable radio, and the portable radio can only hear and cannot speak;

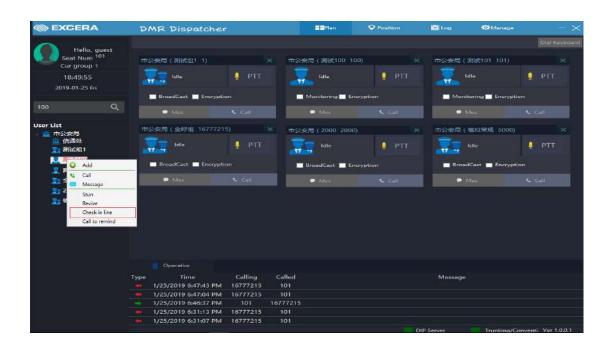
5.4.4 Agent Application into Group

Select and right click the group number to apply for entering the group and the current group number will changes into the number of target group. When the group calls up, the agent calls and can hear the voice speech in the group.



5.4.5 Online Test

Select a call number, click on the online test to detect whether the hand is turned on or off, and receive a reply message (success/failure);



5.4.6 Call Reminder

Select a call number, click on the call reminder to inform the portable radio that I want to initiate a call to you, please pay attention to the call and receive a reply message (success/failure);

I EXCERA	DMR Dispatch	her	B Plan	Position	i Citoa	10 Manage	
~							Dial Keyboard
Hello, guest Seat Num ¹⁰¹	市公安局(測試坦1-1)		× 市公安局(測试100	100)	HANER/	388(101 101)	
Cur group 1	Company (Company ())					Solution (State)	
18:50:16	Jale	💄 PTT	Jdle .	👰 PTT		Idle	📮 PTT
2019-01-25 Fri							
	🗖 BroadCast 📑 Encr	yption	Monitoring	Encryption	Mon	itoring 🔜 Encryptic	
100 Q	• Mas		- Max		•		Call
ser List	市公安局(全町垣 1677	7215)	× 市公安局(2000 2	0069	カクチョン	偏拟常规 3000)	
□□ 市公安局 □□ 信遇处						and the second	
22 測试组1	ldie	💂 PTT	Idle	🧕 РТТ	17		🍦 РТТ
Miltion							
👥 😥 😡 Add	🔲 BroadCast 🛄 Enco		BroadCast.	Encryption	E Broa	dCast 🔲 Encryptic	
🔚 🚖 🖌 Call	P. Line		🗢 Mes		•		< Call
🚬 201 🛄 Message							
Te the Stun							
Revive Check in line							
Call to remin							
Con to remain							
	Operation						
		1000					
	Type Time 1/25/2019 6:47:43 (Calling PM 16777215	Called 101		Message		
	 1/25/2019 6:47:041 1/25/2019 6:47:041 		101				
	1/25/2019 6:46:37		16777215				
	- 1/25/2019 6:31:131		101				
	- 1/25/2019 6:31:07	PM 16777215	101				
				D	IP Server	Trunking/Co	nventi Var 1.0.0.1

5.4.7 SMS or Status Message

There are four ways to initiate a text message or status message:

Click the plan SMS button

- > Right click on the user in the user list and select [SMS]
- Click [Dialpad] to select text schedule
- > After receiving the text message, click Reply

Click on the plan to send a text message as shown below:

16777215		×
	call me	
Mes Edite		Save
Template	call me	v
Status Mes		v
		Send

After receiving the SMS, the dispatcher will prompt you in the lower right corner of the screen.

I EXCERA	DMR	Dispatcher	9		-Plan	• Position	E Log		-×
Hello, quest									Dial Keyboard
Seat Num 101 Cur group 1	市公安	च (आहर्या 1)		× 市公安	周(測度100-100)		市公安局(測)	£101 101)	
18:52:09 2019-01-25 Fri		eldle .	🛔 РТТ	-	lale	🚦 ртт	tdle		PTT 🚦
		roadCast 📰 Encryptio	an l		Monitoring 🥅 Encry	ption	- Monitori	ng 🔲 Encryptic	
100 0	2	🗭 Mark			 Mes 		🗢 Mitan		< can
User List - 💼 市公安局	市公安)	莺(全啰姐 1677721	5)	大 市公安	周(2000-2000)		市公安局(標)	<u>स्त्रम</u> ् ३०००)	
信通处 测试组1		Idle	🚦 ртт		Idle	🥊 ртт	tali		🧧 PTT
2016年100 2016年101		roadCast 🔳 Encryptic			BroadCast 🔲 Encry	ption	🔳 BroadCa	st 💼 Encryptic	
🎦 全呼組		Mes			🗭 Mass		🗭 Mar		Coll
2000									
1000000000000000000000000000000000000									
							Message Alert	5	>
							User Nd 00	Time	1/25/2019 6:51:59
	Туре		Calling	Called			Message Conter	nt.	084
	iiii 1/2	5/2019 6:51:59 PM	100	101			yes		
		5/2019 6:47:43 PM	16777215	101					
	— 1/2	5/2019 6:47:04 PM	16777215	101					
		5/2019 6:46:37 PM	101	16777215					
	• 1/2	5/2019 6:31:13 PM	16777215	101			No Do	wn count	ER
						DI	P.Ser Up PS	COUTE	Contraction of the local division of the loc

5.4.8 User Call Dispatch Station

The user calls the dispatch station, and the dispatch station will display the incoming call. Click Answer to talk.

EXGERA	DMR Dispatche		- Rian	Poxition	E Log 😣 Mana	
Hello, guest	E ith:100(100)##	arswer				Dial Keyboa
Seat Num ¹⁰¹ Cur group 1	市公安局(測成組1-1)		市公安局(測蔵1001	00) 😒	市公安局(測试101-101	
18:53:01	alle Idle	PTT 🚦	ldle 💦	🧯 РТТ	Lelle	🛔 РТТ
2019-01-25 Fri	📑 BroadCast 📑 Encrypt		📰 Monitoring 🔜 Er	ncryption	Manitaring 🖬 Enc	ryption
» q	Mes Mes	Call	 Mes 		· Mes	< can
er List 市公安局	市公安局(全明组 1677721		市公安局(2000-2000		市公支局(模拟電振)30	00)
💼 信通处 🚬 測试组1	and the second s	TT9	idle	🌻 ртт	Tale Ide	🌻 РТТ
2. 副品 100 更 泡品 101	🔲 BroadCast 🔲 Encrypt		📰 BroadCast 📰 Er	ncryption	🔳 BroadCast 🔳 Enc	ryption
1 全呼組	Mes		C Maa		Mae	
★12000 ★1997年 ★1997年						
	Type Time		Called		Message	
	1/25/2019 6:51:59 PM		101		yea	
	 1/25/2019 5:47:43 PM 1/25/2019 5:47:04 PM 	16777215	101			
	 1/25/2019 6:47:04 PM 1/25/2019 6:46:37 PM 		777215			

5.5 Positioning

5.5.1 Map Operation

Click [Position] on the toolbar to switch to the map interface.

Right click on the icon to display the user details: as shown below



Common operations:

Zoom: Press the mouse wheel to zoom in and out. Each time you adjust one level, up to 20 levels.

Roaming: Press the left mouse button to drag

Longitude and latitude display: Move the mouse and display it in the upper

right corner

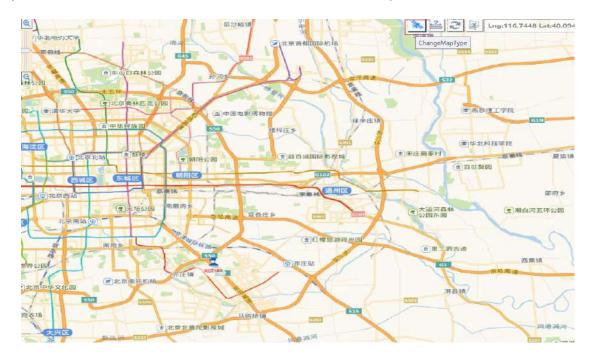


Ranging: can measure between two or more points





Map mode switch: switch between normal or satellite map





5.5.2 Positioning

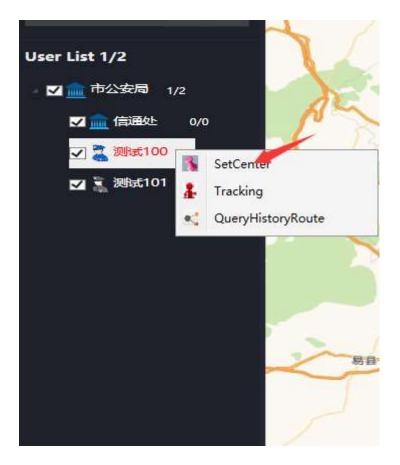
After receiving the information reported by the mobile terminal, it will be displayed on the map in real time.

In the [Subscription List] of [Location Management], all users are displayed in separate departments, and the positioning information is displayed or hidden by checking or unchecking.



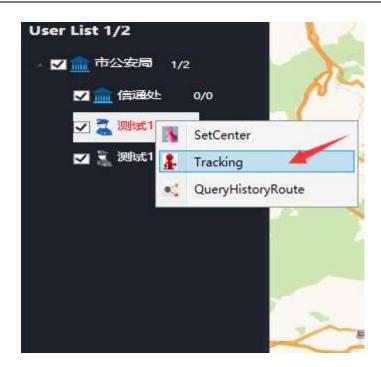
5.5.3 Central Positioning

Right-click the user in the user list and select [Set Center]. The map will always be centered on it.



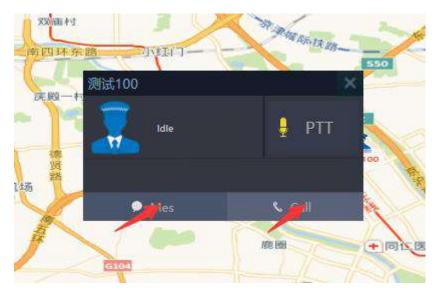
5.5.4 Real-time Tracking

Right-click the user in the user list and select [Tracking]. The map will display the user's activity track in real time.



5.5.5 Radio Operation

You can call a located user by double-clicking it, or you can choose to send a text message.

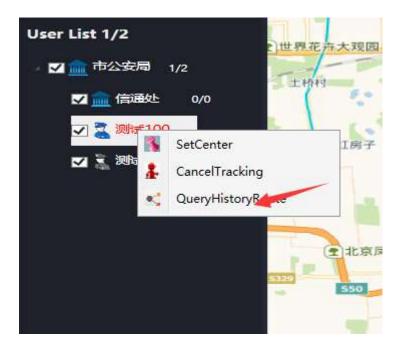


When sending a text message, you can directly edit the information, or save the commonly used words as a template to facilitate information editing and sending.

CITES		节以里店 <u>年庄</u>	X
× .	Mes Edite	call me	北神树村 /e
北京南苑村	Template	call me	~ 金田
	Status <mark>M</mark> es		·
	1	G1051 八号	
建新庄村		瀛海镇 大兴庄	

5.5.6 Historical Track

Right-click the user in the user list, select [Query History Track], and enter the start and end time, and the map will display the user's historical track.



公口	100 HistoryRoute - 🗙
1	UserNum: 100
2	StartTime Monday, January 🚺 00 Y H 00 Y M
-	EndTime Monday, January 15 23 V H 59 V M
7	Search
苑机城	PlayHistoryRoute
	TimeInterval: 1 ~ 🕨 🔳
-	Lng: Lat: Time

Clicking on Play History Route, shows the latitude, longitude and time the user goes through each point.

5.5.7 Display of Electric Quantity and Field Intensity

The portable radio located by right-click on the map will display the detailed information of the user, field intensity and electric quantity of the radio.

121 用户详细	暗息 🗙	
用户名:	33320324	高家坟
用户号:	33320324	
经度:	116.2055	N
纬度:	39.961	
时间	2017/12/28 9:55:25	场强
场强:		
电量	67%	▶ 电量

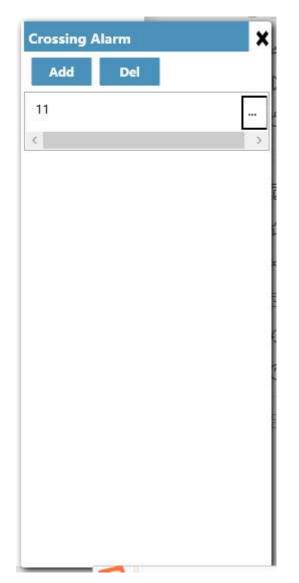
5.5.8 Cross-border Alarm

The cross-border alarm function allows the user to add the area to be managed on the map and edit the user who is active in the area. When the user crosses the border or returns to the area crossed, there will be corresponding prompt information.

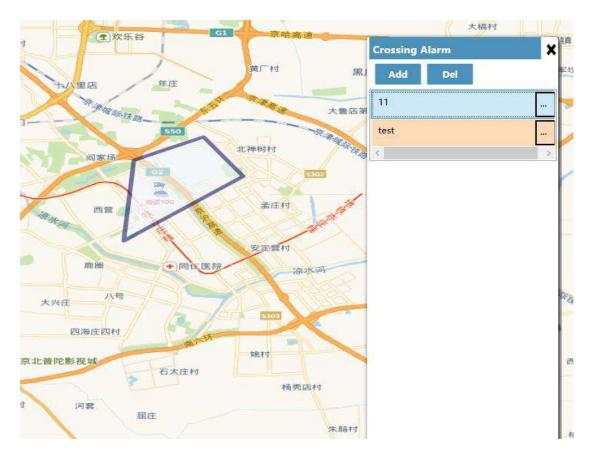
5.5.8.1 Add Alarm Area

Click the Cross-Border Alarm function button at the top right of the map, and the cross-border alarm management interface will pop up.

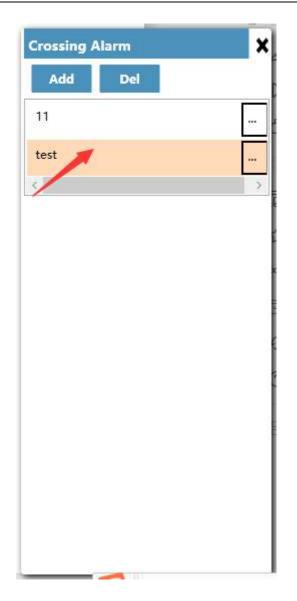




Click the Add button on the cross-border alarm management interface to set the alarm area on the map, click the right mouse button to set the alarm area, and then enter the area name in the cross-border management interface. The area name cannot be repeated. Finally, click Save to save the alarm area adding.



Then you can see the area we just added in the area list of the cross-border alarm management interface.



5.5.8.2 View Alarm Area

In the cross-border alarm management interface, we can view the area range set by clicking on the area name in the area list.

5.5.8.3 Cross-border User Editing

After the alarm area is set, edit the user of the alarm area to choose the users who will be cross-border monitored. First, click the edit button in the right of the area name in the area list of the cross-border alarm management interface, a list of users will pop up. Select the user who wants to cross-border alarm in the list, and click Save to complete the user editing.

crossing Alarm	×	11 Crossing Users Manage
Add Del		▲ □ 市公安局
11		
test		 ☑ 测试100
	>	☑ 测试101

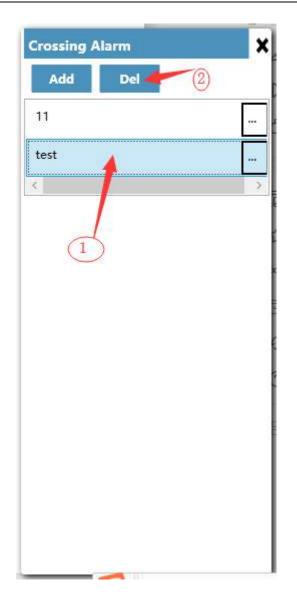
In this way, the cross-border alarm is implemented for the user in the alarm area. If a user crosses the boundary, the user cross-border time and the user number are displayed below the map, and the user mark on the map is set to a yellow mark dedicated for border crossing.



When the user returns to the alarm area again, the information prompt of the user "return" is displayed at the same position, and the user mark on the map is restored to normal.

5.5.8.4 Cross-border Alarm Area Deletion

In the cross-border alarm management interface, we can delete the unwanted alarm areas. Select the name of the area you want to delete in the area list and click the delete button.



5.5.8.5 Cross-border Alarm Record View

At the bottom of the system interface, there is a button/ for querying the user's

details, including the user number, name, time of the border crossing and return time.

越界报警记录					
号码	姓名	越界时间	回位时间		
33320300	33320300	2017/12/1 10:54:58	2017/12/1 11:04:07		
33320301	33320301	2017/12/1 10:54:58	2017/12/1 11:00:35		
33320321	33320321	2017/12/1 11:11:01			
1					

5.6 Log

5.6.1 Log Query

Click [Log] on the toolbar to switch to the log interface.

I EXCERA	DMR Dispate	her	E EPlan	🗢 Plovit	ion 🖆 Log	101-Manage		
Hello, guest	Calling No :	Called No :	Start Time :	1/1/2019 15	End Time : 1/20/2019	All ~	Q Search	
Seat Num ¹⁰¹ Cur group 1								
11:16:52	Serial Number Ty	/pe Time	Calling	Called	Message	Duration	Playback	
2019-01-28 Mon		1/25/2019 6:51:59 PM	100	101	yes		. aybacı	
	10120190125184743	1/25/2019 6:47:43 PM	16777215	101	,			
Q	10120190125184704	1/25/2019 6:47:04 PM	16777215	101				
		1/25/2019 6:46:37 PM	101	16777215				
ser List	10120190125183113	 1/25/2019 6:31:13 PM 	16777215	101				
市公安局	10120190125183107	1/25/2019 6:31:07 PM	16777215	101		2	6	
信调处		1/25/2019 6:31:02 PM	16777215	101				
👥 Rister 1	10120190125182936	1/25/2019 6:29:36 PM	16777215	101		1		
100	10120100125182932	1/25/2019 6:20:32 PM	16777215	101		2		
👮 #Hist101	10120190125182908	1/25/2019 6:29:08 PM	101	3000		4	6	
	10120190125181435		101	100		9	1.00	
二 全呼組		1/25/2019 6:04:07 PM	101	16777215		2	•	
2000	10120190125180354	1/25/2019 6:03:54 PM	101	100		1		
🚬 權拟常规	10120190125180347	1/25/2019 6:03:47 PM	101	100			16	
	10120190125180332	1/25/2019 6:03:32 PM	101	100				
	Log Message :							
	Record Message :							
i o 🌀 🖿 🔦	🤕 🐲 🛤				ው 🚔 🏚 ቀ	📼 💊 🔛 🎸 P 💡	11:16 019/1/28	

5.6.2 Recording Playback

Click Playback in the record playback field, and the dispatch station plays the record back.

Calling No :		Called No :	Start Time :	1/1/2019 15	End Time : 1/28/2019	→ IIA	Q Search
<mark>о</mark> тин н —	-						
Serial Number	Туре	Time	Calling	Called	Message	Duration	Playback
10120190125185159	-	1/25/2019 6:51:59 PM	100	101	y es		
10120190125184743		1/25/2019 6:47:43 PM	16777215	101			<u>8</u>
10120190125184704		1/25/2019 6:47:04 PM	16777215	101		3	9
10120190125184637		1/25/2019 6:46:37 PM	101	16777215		3	2
10120190125183113		1/25/2019 6:31:13 PM	16777215	101			

5.7 Dispatch Management

Click [Manage] on the toolbar to switch to the management interface.

5.7.1 PTT Shortcut Settings and External Serial Port

Settings

PTT shortcut keys can only be set using the composite key: Ctrl + number 1-9

External PTT: VID: 0d8c PID: 013c

PTT Set Key	Automatic recording	Password N	lanagement	Set Cente	er Position	
	F	PTT Set Key	RightCtrl			
	ſ	PTT Current Key	RightCtrl			
	E	External F 🔽	VID 0d8c			
			PID 013c			
				Confirm		

To enable the external pedal device, set the PTT shortcut key and install the foot drive. The foot drive shortcut key must be the same as the PTT shortcut key.

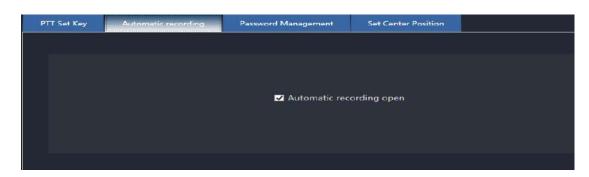
📄 geil.u3	2007/6/3 12:15	U3 文件		45 KB
😤 usbKeyboardOnce-3.2	2012/3/15 21:36	应用程序		392 KB
USB脚踏开关说明书	2014/12/5 19:18	JPG 文件	1	,109 KB
🚳 USkin.dll	2006/8/2 21:51	应用程序扩展		327 KB
📄 声明:个别杀毒软件弹出病毒为误判,请…	2015/10/19 12:03	文本文档		1 KB

Double-click to run, check Ctrl, and enter the keyboard PTT shortcut Ctrl+ number 1-9 you want to enable at the key definition, such as keyboard input Ctrl+1; As shown below:

2	Vsbhid Ko	eyboard 3.0 Designed	Ъу ЈС		8
	请输入自定. 号串联.	义键,鼠标左键选择,右键	删除过持字	母与数字与符	
		键值定义			
Language	1	Ctrl[1],		单键	
Chinese 💌					
Кеу					
1					
		Group Key			-
Ctrl		Alt 📕		Shift	
清空		保存		退出	

5.7.2 Monitor Recording

Turn on automatic recording to record all calls that the dispatcher participates in.



5.7.3 Password Management

Modify the dispatcher's own login password.

PTT Set Key	Automatic recording	Password Management	Set Center Position	
		Current User : 101		
		Current Password :		
		New Password :		
		Confirm Password :		
			Confirm	

5.7.4 Set the Central Position

Set the center latitude and longitude of the map.

PTT Set Key	Automatic recording	Password Management	Set Center Position
		Lng: 116.52919	
		Lat: 39.802841	
			Confirm

6 Map Download

6.1 Main Interface

Double-click the download tool mapdownloader.exe, the main interface pops

up as follows:



6.2 Map Download

Use menu [Map Switch] to select the map to be downloaded, such as the general map of Gaode, select the city in the list on the right, double-click the map selection area, and the download configuration interface pops up:

K載配量 上角经度: 119. 上角纬度: 32.0 社选 反选		行数	7 下载选 右下角经度: 右下角纬度:	120.2018590 31.15254151	
上角纬度: 32.0 注选 反选	591345624531 清除	行掛	右下角纬度:	31. 15254151	
上角纬度: 32.0 注选 反选	591345624531 清除	行對	右下角纬度:	31. 15254151	
这边反选	清除	行掛			118669
	[connection]	行對			
	级别	行對	- 144		
V	10000000		列数	总数	大小
	6	2	2	4	BOID
V	9	2	2	4	SOKE
V	10	3	3	9	18088
V	11	5	5	25	SCOEB
V	12	8	8	64	1MB
V	13	16	15	240	4MB
	14	30	30	900	17MB
	15	59	59	3481	67MB
V	16	117	117	13689	267NB
	17	232	233	54056	1055MD
	18	462	464	214368	4186MB
下载范围:世界	1-5级,中国[-	9级,省1-12级,	市1-18级。如果数据	赵大, 会内 [;]	存溢出,建议分片下载
7	200			Trach	
L ti	HXE			1.1月	
	2.1.100			由- 淮安市	
	 ✓ ✓<td>マ 11 マ 12 マ 13 マ 14 マ 15 マ 16 マ 18 マ 18 マ 18 マ 18 マ 18 マ 18</td><td>ア 11 5 ア 12 8 ア 13 16 ア 14 30 ア 15 59 ア 16 117 10 17 232 18 462</td><td>Image: Constraint of the state of the</td><td>ア 11 5 5 25 ア 12 8 8 64 ア 13 16 15 240 ア 14 30 900 900 ア 15 59 59 3481 ア 16 117 117 13890 11 16 462 464 214336 Tr载范国: 世界1-5級,中国1-9級,者1-12級,市1-10級。如果鎖捆型大大,会内: 取消</td>	マ 11 マ 12 マ 13 マ 14 マ 15 マ 16 マ 18 マ 18 マ 18 マ 18 マ 18 マ 18	ア 11 5 ア 12 8 ア 13 16 ア 14 30 ア 15 59 ア 16 117 10 17 232 18 462	Image: Constraint of the state of the	ア 11 5 5 25 ア 12 8 8 64 ア 13 16 15 240 ア 14 30 900 900 ア 15 59 59 3481 ア 16 117 117 13890 11 16 462 464 214336 Tr载范国: 世界1-5級,中国1-9級,者1-12級,市1-10級。如果鎖捆型大大,会内: 取消

General City-level maps select 1-16 levels and click [OK] to start downloading.

The download file is in the subdirectory of the installation directory, with file name data.gmdb which is copied to the corresponding directory of the dispatcher.

