Patrol Manager III User Manual

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Introduction

Patrol Manager III is whole new design software. Comparing to the old used 10 years version I & II, the version III is more efficiently and friendly uses. It supports two kinds of MS Access and MS SQL database which allows you to select to meet the needs. The platform it supports is Windows XP or later versions. Old good features still included in this version, multi-language interface, multi-users access ... etc. Now, the version III is able to download any kind of GIGA-TNS's patrol terminals without manually select the model. The added new function, WEB BASE program, allows the client easily viewing, searching, and printing out the patrol data just by using the browser (IE or Firefox).

Installation

This topic details the required components and supported platforms for Patrol Manager III $\,^\circ$

Platforms Supported

Below is the list that supported platforms:

- Windows XP
- Windows Vista
- Windows 7

Not support 64Bit System

Database

Below is the list that supported databases:

- MS Access
- MS SQL 2005 or later version. The pre-built of Patrol Manager III is Express version which is limited to use the capacity of database up to 4 G.

.Net Framework 2.0

The installed Windows must pre-install the Microsoft .Net Framework 2.0 or later

version •

If your Windows .Net Framework version is early than version 2, then you can find the version 3 setup file in the CD.

Windows Installer 3.1

The installed Windows must pre-install the Windows Installer 3.1 or later version \circ If your Windows Installer version is early than version 3.1, then you can find the Windows Installer 3.1 setup file in the CD.

Report Component

The report component needs to be installed before installing *Patrol Manager III*. It provides the printing out report function. The report component setup file is located in the setup CD.

Hardware Requirement

CPU : Core Due 2.0G Hz or above HD Free Space : 1G or above RAM : 512MBor above

Patrol Terminals Supported

Guard Scan series : GS1000 \ GS1100 Watch Man series : WM-3000 \ GP120

Installing Microsoft SQL Server 2005 SP3 Express

Edition

Before installing, please make sure the .Net Framework 2.0 and Windows Installer 3.1 is installed in the Windows, otherwise can go further.

In the Installation Window, execute *Microsoft SQL 2005 Express Edition SP3* to start installing.

If the suggestion the system is Windows XP SP3 installment SQL the Server language family must be the same with the work system 1st step, select *I accept the licensing term and condition*, then click *Next*.

🐱 Microsoft SQL Server 2005 Setup	×
End User License Agreement	
MICROSOFT SOFTWARE LICENSE TERMS MICROSOFT SQL SERVER 2005 EXPRESS EDITION These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft * updates, * supplements, * Internet-based services, and	
* support services for this software, unless other terms accompany those items. If so, those terms apply. I accept the licensing terms and conditions Print Next> Cance	→

2nd step, click *Install*.

💹 Microsoft SQL Server 2005 Setup
Installing Prerequisites Installs software components required prior to installing SQL Server.
SQL Server Component Update will install the following components required for SQL Server Setup: Microsoft SQL Native Client
Microsoft SQL Server 2005 Setup Support Files Click Install to continue.

3rd step, click Next.

💹 Microsoft SQL Server 2005 Setup	
Installing Prerequisites Installs software components required prior to installing SQL Server.	
SQL Server Component Update will install the following components required for SQL Server Setup: ✓ Microsoft SQL Native Client ✓ Microsoft SQL Server 2005 Setup Support Files	
The required components were installed successfully.	×
	icel

4th step, click Next.



5th step, this window shows the checking process, when done, click *Next* for next process.

🔓 Mi	🛱 Microsoft SQL Server 2005 Setup 🛛 🛛 🔀			
Sys I	System Configuration Check Wait while the system is checked for potential installation problems.			
	Success	12 Total 12 Success	0 Error 0 Warning	
	ils:			
	Action	Status	Message	
0	WMI Service Requirement	Success		
0	MSXML Requirement	Success		
0	Operating System Minimum Level Req	Success		
0	Operating System Service Pack Level R	Success		
0	SQL Server Edition Operating System	Success		
0	Minimum Hardware Requirement	Success		
0	Pending Reboot Requirement	Success		
0	Default Installation Path Permission Re	Success		
0	Internet Explorer Requirement	Success		
9	COM Plus Catalog Requirement	Success	~	
	Filter 💌	Stop	<u>R</u> eport •	
Help				

6th step, enter Name and Company, then click *Next*.

🖟 Microsoft SQL Server 2005 Express Edition Setup
Registration Information The following information will personalize your installation.
The Name field must be filled in prior to proceeding. The Company field is optional.
Name:
junris Componiti
GIGA-TMS
✓ Hige advanced configuration options
Help < Back Next > Cancel

7th step, using default setting, click *Next*.

🙀 Microsoft SQL Server 2005 Express Edition S	Setup 🔀
Feature Selection Select the program features you want installed.	
Click an icon in the following list to change how a feature	e is installed.
Database Services Client Components Connectivity Components Software Development Kit	Feature description Installs the SQL Server Database Engine, tools for managing relational and XML data, and replication. This feature requires 119 MB on your hard drive. It has 2 of 3 subfeatures selected. The subfeatures require 99
Installation path	Proves
	Disk Cost
Help < Back	Next > Cancel

8th step, select *Windows Authentication Mode*, then click *Next*.

🙀 Microsoft SQL Server 2005 Express Edition Setup
Authentication Mode The authentication mode specifies the security used when connecting to SQL Server.
Select the authentication mode to use for this installation.
<u>W</u> indows Authentication Mode <u>M</u> ixed Mode (Windows Authentication and SQL Server Authentication)
Specify the sa logon password below: Enter password:
**** Confirm password: *****
Help < Back

9th step, if your system is Windows Vista, please select *Add User to the SQL Server Administrator role.*

🖟 Microsoft SQL Server 2005 Express Edition Setup
Configuration Options Configure user and administrator accounts
✓ Enable User Instances This option enables users without administrator permissions to run a separate instance of the SQL Server Express Database Engine.
🗖 Addusev to the SOL Sevier Advisition to vale
This option adds the user who is running the SQL Server Express installation program to the SQL Server System Administrator role. By default, users on Microsoft Windows Vista operating system are not members of the SQL Server System Administrator role.
Help < Back

10th step, DO NOT select these two options. Direct to click Next

🖶 Microsoft SQL Server 2005 Express Edition Setup	K	
Error and Usage Report Settings Help Microsoft improve some of the SQL Server 2005 components and services.		
Automatically send Error reports for SQL Server 2005 to Microsoft or your corporate error reporting server. Error reports include information regarding the condition of SQL Server 2005 when an error occurred, your hardware configuration and other data. Error reports may unintentionally include personal information, which will not be used by Microsoft.		
Automatically send Feature Usage data for SQL Server 2005 to Microsoft. Usage data includes anonymous information about your hardware configuration and how you use our software and services.		
By installing Microsoft SQL Server 2005, SQL Server and its components will be configured to automatically send fatal service error reports to Microsoft or a Corporate Error Reporting Server. Microsoft uses error reports to improve SQL Server functionality, and treats all information as confidential.		
Help < Back Next > Cancel		

11th step, click *Install*

🙀 Microsoft SQL Server 2005 Express Edition Setup	\mathbf{X}	
Ready to Install Setup is ready to begin installation.		
Setup has enough information to start copying the program files. To proceed, click Install. To change any of your installation settings, click Back. To exit setup, click Cancel.		
The following components will be installed: • SQL Server Database Services (Database Services)		
Help <a> Back Install Cancel		

12th step, when all items finished, click Next

🐱 Microsoft SQL Server 2005 Setup	X
Setup Progress The selected components are being config	ured
Product	Status
MSXML6	Setup finished
SQL Setup Support Files	Setup finished
SQL Native Client	Setup finished
SQL VSS Writer	Setup finished
SQL Server Database Services	Setup finished
Help	<< Back Next >> Cancel

13th step, click 【Finish】 to complete the installation.

🐱 Microsoft SQL Server 2005 Setup 🛛 🔀		
Completing Microsoft SQL Server 2005 Setup Setup has finished configuration of Microsoft SQL Server 2005		
Refer to the setup error logs for information describing any failure(s) that occurred during setup. Click Finish to exit the installation wizard. Summary Log		
To minimize the server surface area of SQL Server 2005, some features and services are disabled by default for new installations. To configure the surface area of SQL Server, use the		
Surface Area Configuration tool.		
 Analysis Services If Analysis Services was upgraded from SQL Server 2000, all cubes, dimensions, and mining models must be reprocessed using SQL Server Management Studio. 		
 Reporting Services The Reporting Services installation options you specified in Setup determine whether further configuration is required before you can access the report server. If you installed the default configuration, the report server can be used immediately. If you installed just the program files you must run the Reporting Services Configuration tool to deploy the 		
[<u>H</u> elp]		

If needs to alter to the information bank the permission far-end to record please do refer the appendix III

Installing Microsoft SQL 2005 Manager SP3

In the Installation menu, click *Install Microsoft SQL 2005 Manager SP3 for Windows* to start installation.

1th step, click Next.



2nd step, click *I accept the terms in the license agreement*, then click *Next*.

📸 Microsoft SQL Server Management Studio Express Setup	×
License Agreement Please read the following license agreement carefully.	
MICROSOFT SOFTWARE LICENSE TERMS MICROSOFT SQL SERVER 2005 MANAGEMENT STUDIO EXPRESS These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft	
I accept the terms in the license agreement I do not accept the terms in the license agreement	_
< Back Next > Cancel	

3rd step , click *Next*.

🕞 Microsoft SQL Server Management Studio Express Setup	
Registration Information The following information will personalize your installation.	
Enter your name and the name of your organization in the fields below.	
Name:	
david david	
Company:	
gigatms	
< Back Next > Car	ncel

4th step, click *Next*.

🐻 Microsoft SQL Server Management Studio Express Setup 🛛 🛛 🔀		
Feature Selection Select the program features you want installed.		
Click an icon in the following list to change how a feature is	installed.	
Management Studio Express	Feature description Installs interactive management tools for running SQL Server, including SQL Server Management Studio Express.	
Installation path		
C:\Program Files\Microsoft SQL Server\	Disk Cost	
< Back N	ext > Cancel	

5th Step, click *Install*.

🔀 Microsoft SQL Server Management Studio Express Setup	×
Ready to Install the Program Setup is ready to begin installation.	
Click Install to begin the installation.	
If you want to review or change any of your installation settings, click Back. Click Cancel to exit Setup.	
< Back Install Cancel	

6th step, click *Finish* to complete installation.

🙀 Microsoft SQL Server Management Studio Express Setup		
Microsoft SQL Serve	r Management Studio Express Setup Completing the Microsoft SQL Server Management Studio Express Setup Setup has installed Microsoft SQL Server Management Studio Express successfully. Click Finish to exit.	×
	< Back Finish Cancel	

Initializing the Database

For the first launch of *Patrol Manager III*, it needs to initialize the database. Below are the steps:

Load MSSQL Database Initialize.

	🔼 Adobe Reader 9	
王羅邦	🛅 GIGA-TMS	🔸 🛗 Patrol Manager III 🔸 😁 MSSQL Database Initialize
	🛅 Windows Live	🕨 🔤 🔤 🔤 🙀 🙀 Patrol Manager III
約除網路 Internet Explorer	🛅 WinRAR	System Windows Controls
	🛅 IAR Systems	Dutribled 4.0
電子郵件 Outlook Express	🛅 Microsoft Office	
	📷 Macrovision	· RebanWindow 4.0
Wware Workstation	🛅 VMware	System.Windows
	📷 CCleaner	Vacation 4.0
🔁 InstallShield 2008 Ex	🛅 GPSoftware	VicaBaleArager 4.0
	🛅 Kaspersky Internet Security 2010	
U SQL Server Manager	🛅 Tibbo	
🧭 Microsoft Visual Stu	🛅 2BrightSparks	rosoft .NET Development Series p
	🛅 LG Burning Tools	logies. To discover more go to informit.c
■ 小算盤	🛅 Source Insight 3	
	🛅 Business Objects	Essential Windows Communication Foundation Programming

Click GO



Select or Enter the Server Name.

Connection Properties	? 🔀
Data source:	
Microsoft SQL Server (SqlClient)	Change
S <u>e</u> rver name:	
CHRISSOLEXPRESS	✓ <u>R</u> efresh
Log on to the server	
⊙ Use <u>W</u> indows Authentication	
○ Use SQL Server Authentication	
User name:	
Password:	
Save my password	
Connect to a database	
 Select or enter a database name: 	
	~
Attach a database file:	
	<u>B</u> rowse
Logical name:	
	Advanced
Test Connection	OK Cancel

Click OK to start the database initialization.

Once the initialization is completed, it will show the *Initialize OK* message.

DataBase Initialize For Patrol Manager II	
i Initailize OK	
確定	

Running Patrol Manager III

This topic will detail the interface and operation of *Patrol Manager III* program.

Product Registration

😻 Trial		X
The probation is	30 days	Trial
	-	 Register

Enter the serial code and then click *Register* to activate the program, or click *Trial* for 30 days uses.

Login

😻 Login	
Enter a user na for this system	ame and password that is valid
User Name:	
Password:	
	OK Cancel

For the first launch, please enter the pre-set user name *Admin* and password *0000*. The user name and password can be modified later on if login succeeds.

Note: The user name is case sense.

Toolbar



The Toolbar provides a short cut for often use functions. From left to right, each button is used for:

- 1. Open File
- 2. Save File
- 3. Browse Patrol Data
- 4. Print

- 5. Print Preview
- 6. Define Checkpoint
- 7. Define Patrolman
- 8. Define Event
- 9. Define Route
- 10. Customer Data
- 11. Patrol Report

Status bar

Admin

2009/10/05 14:56:33

Left panel shows user account. Right panel shows the date and time of the system.

Patrol Tour Terminal- GuardScan Series

Below will detail the operation of patrol tour terminal – *GuardScan* Series.



Communication Port

😻 Set Comport	
Comm Port	OK Cancel

Make sure the terminal is powering on and with communication cable attached to PC. Selecting *Comm Port* where the *GuardScan* terminal is connected. Or click *Auto Scan* to detect automatically. Click *OK* to save the setting.

Setting ID

😻 Set ID	
ID:(0~255)	OK
2	Cancel

Each terminal can be assigned an *ID* number; the value is ranged from 0 to 255.

Setting Date and Time

😻 Set Date Time		×
Date:	~	Time: 上午 11:09:06 🛛 🌍
		OK Cancel

The date and time value of terminal should synchronies to PC or user's local time. Click *OK* to set up the *RTC* (real-time clock) of terminal to be specified value.

Getting Date and Time

Reading the *RTC* value of terminal, and show the date time value in the window.



Clearing Patrol Data

Clearing all the patrol data in the internal memory of terminal. If OK, show succeed message.



Downloading Patrol Data

Once complete the downloading process, a Raw Data window will pop up and show the patrol data. The operation of this window will detail in later section.

😻 Unsave:2009/11/13 上午 11:17:46							
Case:	aw Data 🧕) Unusual	Data 🥥 U	nusual Route	2		
	Name:	55			Update M	lach# Name	
	Machine ID:	158					
	Date	Time	Code	Туре	Name		
	2009/11/13	11:16:41	0000BC4B26	Patrolman	King		
	2009/11/13	11:16:48	0960018DDD	Route	A-Line		
	2009/11/13	11:16:49	0960018D77	CheckPoint	Point-A		
	2009/11/13	11:16:49	0960018DDF	CheckPoint	Point-B		
	2009/11/13	11:16:50	8888888888	Event	Door Open		
	Set Undef:	ined	Save Raw Da	ta Sav	e To Databa	ase	
	Raw data ca	n't store	in databas	e if you hav	ve undefine	ed tag	

Getting Firmware Version Information

Displaying the firmware version of terminal.



Recovering Patrol Data

Guard Scan terminal is able to store 14320 records. In normal use, the data will be clear if is downloaded OK. In some cases needed, it is allowed to run this command to recover all the 14320 records data.

Patrol Tour Terminal - Watchman Series



Below will detail the operation of patrol tour terminal – Watchman Series.

Communication Port

😻 Set Comport	
Comm Port	OK
Auto Scan	Cancel

Make sure the terminal is powering on and with communication cable attached to PC. Selecting *Comm Port* where the *Watchman* terminal is connected. Or click *Auto Scan* to detect automatically. Click OK to save the setting.

Setting ID



Each terminal can be assigned an *ID* number; the value is ranged from 0 to 255.

Setting Date and Time

😻 Set Date Time		
Date:	Time:	.06
		Cerroel
		Cancer

The date and time value of terminal should synchronies to PC or user's local time. Click *OK* to set up the *RTC* (real-time clock) of terminal to specified value. **Note**: For *Watchman* terminal, the patrol data in internal memory must be clear before setting the date and time value, otherwise if it will be failed.

Clearing Patrol Data

Clearing all the patrol data in the internal memory of terminal. If OK, show succeed message.



Downloading Patrol Data

Once complete the downloading process, a Raw Data window will pop up and show the patrol data. The operation of this window will detail in later section.

凝 Unsave:2009/11/13 上午 11:17:46							
Case:	Raw Data 🤇) Unusual	Data 🥥 U	nusual Rout	e		
🖬 All Case	Name: Machine ID:	55			Update M	ach# Name	
	Date	Time	Code	Туре	Name		
	2009/11/13	11:16:41	0000BC4B26	Patrolman	King		
	2009/11/13	11:16:48	0960018DDD	Route	A-Line		
	2009/11/13	11:16:49	0960018D77	CheckPoint	Point-A		
	2009/11/13	11:16:49	0960018DDF	CheckPoint	Point-B		
	2009/11/13	11:16:50	8888888888	Event	Door Open		
	Set Undef. Raw data ca	ined I and the store	Save Raw Da	ta Sav e if you hav	e To Databa	use d tag	

Changing Password

😻 Change Password	
Old Password:	***
New Password:	ОК
Confirm:	Cancel

The old password is required while changing to a new password. The pre-set password for *Watchman* terminal is **0000**.

Note: If the password of connected Watchman is changed and not recognized by program, please

Setting Password

In default, program will use **0000** as *Watchman* terminal login password. If is changed, then it needs to tell program what the password is to prevent downloading the patrol data failed.

Card Definition

There 4 types can be defined for RFID card- 1) Patrolman, 2) Route, 3) Checkpoint, 4) Event. Below sections will detail how to define these 4 types RFID card.

Defining Patrolman

To define a card as patrolman, from Data, select Patrolman Definition.



Adding Patrolman

Enter the Code (10 digits) and Name, then click Add.

🐞 Tag Definition			
Tag Definition:	List:		Find
CheckPoint Patrolman Event	Code 0000BC4B26	Name King	Description
	Code: Name: Description:	1234567890 Chris	Tag Type: Patrolman

Modifying Patrolman

Double-click the patrolman, enter modified *Code* or *Name*, and click *Update* to complete the modification.

Delete Patrolman

Select patrolman (support multi-selection), click Delete to remove from system.

Defining Checkpoint

To define a card as checkpoint, from Data, select Checkpoint Definition.



Adding Checkpoint

Enter the *Code* (10 digits), *Group* and *Checkpoint*, then click *Add*. Click [...] button can select existed defined groups.

😻 Tag Definition			
Tag Definition:	List: Code 0960018D77 0960018DDF	Group Point Point	Find CheckPoint A B
	Code: Group: CheckPoint:	1234567890 ABuild Door	Tag Type: CheckPoint

Modifying Checkpoint

Double-click the checkpoint, enter modified *Code*, *Group* or *Name*, and click *Update* to complete the modification.

Deleting Checkpoint

Select checkpoint (support multi-selection), click *Delete* to remove from system.

Defining Event

To define a card as event, from *Data*, select *Event Definition*.

	<u>D</u> ata	Patrol <u>M</u> achine	<u>T</u> ool	<u>W</u> nidows
	9	Check Point Definition		
	1	Patrol <u>m</u> an Definitio	n	
]	Event Definition		
	1	Route Definition		6
	1	Patrol Tour <u>T</u> ermin	al Defini	ition
0 3 🖓 📬 🙂 🗄		C <u>u</u> stomer Settings		
^上 Event Definition]	Reports		•

Adding Event

😻 Tag Definition				
Tag Definition:	List: Code D 0800000006 W 080000000A W 0960018DE0 W 0960018DE0 W 0960018D76 W	Description Indows Open Indows Open Findows Open Findows Open		Find
	FF0025378F W 1000054D5D W 0412B1622D W 0412B161CF W 0412B161CF W 0412B162D5 W 0412B161C6 W 0412B161C6 W 0412B162D5 W 0412B1605D W 0412B1605D W 0412B16217 W 0412B163C8 W 1900AE5DAB W	Indows Open Vindows Open Vindows Open Vindows Open Vindows Open Vindows Open Vindows Open Vindows Open Vindows Open Vindows Open		
	Code: 1234567890 Description: Door Open)	Tag Type: Event	e Delete

Enter the Code (10 digits), Description, then click Add.

Modifying Event

Double-click the checkpoint, enter modified *Code* or *Description*, and click *Update* to complete the modification.

Deleting Event

Select event (support multi-selection), click *Delete* to remove from system.

Defining Route

To define a card as event, from *Data*, select *Route Definition*.

	<u>D</u> ata	Patrol <u>M</u> achine	<u>T</u> ool	<u>W</u> nidows
		Check Point Defini	tion	
		Patrol <u>m</u> an Definitic)n	
		Event Definition		
		Route Definition		N
		Patrol Tour <u>T</u> ermin	al Defini	tion
🔁 🙂 🕞 🃭		C <u>u</u> stomer Settings		
Route Definition _武		Reports		•

Adding Route

Enter the Code (10 digits), Name, then click Add.

😻 Route Definition							
Route List:							
🕢 All Routes	Code: Name: Patrol Time:)0:00:00		Order:	Sequence	▶ lete	
	Group:		Route CheckPoint List:				
	Point 💌		Group C	heckPoint	Order	Step '	
	CheckPoint:	•	<				0

To add checkpoints to select route, using below buttons to meet the need.



add left side checkpoint to route.





set up the patrolling sequence.



remove checkpoint from the route.

Patrol Time: Double-click the text box, enter the desired time then click *OK* to save the setting.



Modifying Route

Select a route to be modified, then enter the *Code* or *Description*, and click *Update* to complete the modification.

Deleting Route

Select a route; click *Delete* to remove from system.

Defining Patrol Tour Terminal

To define a card as event, from Data, select Patrol Tour Terminal Definition.



👋 Patrol Tour Terminal Defin	
ID List	
Name	ID 🔨
Mac1	0
	1
	3
	4
	5
	6
	8
	9
	10
	11
	13
<	>
Show Defined	Jpdate

Determine which ID to be defined, and then click its left side cell. When a text appeared, enter the *Name* and then click *Update*.

Note: The ID value is ranged from 0 to 255. The ID name is empty means this ID has not been defined yet.

Customer Data

To set Customer data, from Data, select Customer Settings.



Adding Customer

Enter the customer information in each field, click Add.

😻 Customer Settings		
Customer List:		
All Customer	Company Name:	
	Contact:	
	City:	
	State/Province:	
	Phone Number:	
	Fax Number:	I
	[Add Update Delete

Modifying Customer

Select a customer to be modified. After completing the modification, click *Update* to save the setting.

Deleting Customer

Select a customer to be deleted, click *Delete* to remove from the system.

Tools

This topic details all the functions included in the Tools.

Database Tools

The functions related database.

Database Status

Displays the details information of the database.

X	Database Status		×
	-Data Records		
	Patrolman	0	
	Route	1	
	CheckPoint	2	
	Event	25	
	Customer	0	
	Patrol Data	301	
	Patrol Data Date Range		
	From:	2009/8/25下午 02:56:45	
	To:	2009/11/6下午 01:52:53	
		OK	

Clearing Patrol Data

Program will remove all the patrol data from database that specified by user.

Connection String

This function is only for *Microsoft SQL* uses. If *Microsoft SQL* is not the database source, please use *Patrol Manager III* to change database type to *Microsoft SQL*.

<u>T</u> ool	<u>W</u> nidows	<u>H</u> elp			
Ī	<u>D</u> atabase Utilit	ty	•		
Ī	anguage Edi	tor			
ŝ	security		×		
I	Data <u>B</u> ase Typ	e	×		Access
<u>(</u>	Option			~	Microsoft SQL
_			_		4

Then click Connect String.

Tool	. <u>W</u> nidows <u>H</u> elp	_	
	Database Utility 💦 🕨		<u>D</u> atabase Status
	<u>L</u> anguage Editor		Purge Data
	Security 🕨 🕨		Connect String
	Det Des Terres		

Enter the Server Name and Database Name; click OK to complete the setting.

Connection Properties	×
Data gource:	
Microsoft SQL Server (SqlClient) Change	
S <u>e</u> rver name:	
CHRIS'SQLEXPRESS <u>R</u> efresh	
CLog on to the server	
⊙ Use <u>W</u> indows Authentication	
O Use SQL Server Authentication	
User name:	
Password:	
Save my password	
Connect to a database	5
 Select or enter a database name: 	
PatrolManager 🗸 🗸	
○ Attac <u>h</u> a database file:	
Browse	
Logical name:	
Advanced	ĩ
	5
Test Connection OK Cancel	_ ا

Backing up Database

Only for Microsoft Access is the database source. This function will copy the database to a specified file.

Restoring Database

Only for Microsoft Access is the database source. This function will restore specified backed up database file to be system database.

Compacting Database

Only for Microsoft Access is the database source. This function will compact the database, which will make the file size smaller and speed up accessing the database.

Repairing Database

Only for Microsoft Access is the database source. This function will repair the database file.

Language Editor

Adding new language: click *Add*, and then enter the *Language Name*. Click *OK* to complete the addition.

😻 Language Editor		
Language English Traditional Chinese		
	Add Delete	
	Edit	
	Close	
Add Language		X
The Language Name		確定
		取消

Editing Language:

Select a language, click Edit. Enter the native string in first column compared the English column.

😻 Edit Language			X
Language Name:	Franch	Update	
String List			
Franch		English	^
Cevi		&Open	
		Load Patrol Data From Database Print Print Preview Check Point Definition Patrolman Definition Event Definition Route Definition Schedule Definition Customer Settings Reports Download The Patrol Data To Computer &File &Load Patrol Data Close Save To Database	
		Export	⊻
<			

Security

Setting Password

Changing Login password

🐞 Set Password	
Old Password:	
New Password:	OK
Confirm:	Cancel

Setting the Account and Permission

Every user is belonged to a specified Group, which limits the access permission of Patrol Manager III program. While the permission of Group is changed, the users who are belonged to this group is also changed too.

😻 Set Account and Permissions					×
😤 🐍 ∕ × 🗸	•				
Group Group User Juser Admin	Admin Admin File ✓ Open Patrol Data ✓ Load Patrol Data ✓ Print/PreView System Definition ✓ Patrolman ✓ Route ✓ CheckPoint ✓ Event ✓ Customer ✓ Terminal Miscellaneous ✓ Set Options	File From Datal	Base Edit V V	Delete V V V	Terminal ✓ Set Comport ✓ Set ID ✓ Set Time ✓ Get Time ✓ Clear Data ✓ Download Data ✓ Prepare To Dump Database Maintenance ✓ Purge Data ✓ Backup Data ✓ Restore Data ✓ Compact Data ✓ Repair Data
	 Set Language Set Security 				Connect String

Options

In the *Download Setting* tab, it sets the automation process after downloading patrol data successfully. The automation process can be view at below screen shot:

👋 Option	×
Download Setting	
After downloading the Patrol Data successfully.automatically	1
Indete the Time of the Petrol Tour Terminel from your computer	
Removeing the continus-deplicated scans which the time interval	
between each other is below certain time interval.	
Time Interval: 3 A Second	
OK Cancel	
	,

Raw Data

The data stored in the internal memory of terminal is called *Raw Data*.

Defining Unknown Card

If there is any unknown (undefined) tag code in the downloading raw data, please define It first. If not, the raw data cannot be saved into the database.

🐞 Set Undefined Tag					×
Undefine Tag Code 0000BC4B26	Calu	00000004006	T T		
0960018DDD 0960018D77 0960018DDF	Group:	00006C4B20	iag Type:	Update	Close
	CheckPoint:]		

Saving Raw Data to Text File

Click *Save* icon of toolbar to save the raw data to a specified text file.

Opening Raw Data File

Click Open to load a pre-saved raw data file.



Saving Raw Data to Database

After viewing the raw data, the next step is saving it to database. If the terminal ID is not defined, it is not allowed to save into database. The saving process will filter the duplicated patrol data automatically.

After the raw data is saved into database, these data will be converted to a more readable data and cannot be converted back.

Reports

There to kinds of patrolling data reports provided by *Patrol Manager III* – 1) *Patrol Data Report*. 2) *Raw Data Report*.

Patrol Data Report

Once the *Raw Data* is converted and saved to the database (Access or MSSQL), then you can use the *Patrol Data Report* (more than 15 reports) to print it out in any kind of aspect, such visit frequency, missing checkpoints, exception data... etc.

Raw Data Report

The raw data is the data that has not been converted and saved in database yet. It is in very raw mode, not so readable. But you also can print it out with definition field (name or description).

Exception in Raw Data

If all the raw data is defined, then program will go for analyzing the raw data. If there is any exception in route or data, then it will display the red light, otherwise the green light is displayed.

🔵 Unusual Data 🥥 Unusual Route

Exception data: The tag code is undefined or not a completed raw data. Exception route: A route Is known but not know the patrolman. If this exception occurs, it is not allowed to assigned a patrolman to this route.

The Rule of Analyzing Raw Data

- 1. Treating patrolman is a separator to complete a route in raw data, if the patrolman is missing, then it is not able to create a route.
- 2. When get route tag, start a new route data, if the following codes don't include patrolman tag, it will be treated as an exception.
- 3. After creating a new route with patrolman, the following checkpoint tag will below to this route.
- 4. If getting event tag, it will treat as last checkpoint event.
- 5. For the removed continuously-duplicated tag codes, these codes will be added in the exception records.
- 6. The discarded patrolman (without any route belonged) will be added in the exception records.
- 7. The route without any checkpoint will be added in the exception records.
- 8. If a patrolman owns more than two routes, then only the first route will be kept,

the later ones will be added in the exception records.

Patrol Data

Viewing the Patrol Data

Click Load Patrol Data from Database



In the View Patrol Data window, you can view the historical patrol data.

😻 Yiew Patrol I	Data							
i 🤞 🖹 📲 🔞	🕴 🥔 🕈							
Date	Time	Patrolman	Patrolman Code	Route	Route Code	CheckPo	oint 👘	CheckPoin
<								>
Date Range	<u> </u>	<u> </u>	Europe :					
💿 Today	🔘 This Weel	k 🔘 This Month	2009/11/13	▶ 上午 12:00:00	<u>^</u>			
🚫 Yesterday	🚫 Last Weel	t 🚫 Last Month	Ter					
Past 7 Days	🔿 Dav After	2009/11/ 1	2009/11/13	▼ 下午 11:59:59	-			
	0 200 000							
Sort by Sort Column	• +	0-			Fite	rby		
Date Time			der Column	Sort Mode		Patrolman	King	~
Route CheckBoint						Route	A-Line	~
Event						CheckPoint	Point-A	~
						Event	Door Open	*

Below are the components in this window.

- Date Range: Filter the viewing patrol data in specified date range.
- **Sort by:** Select the sorting filed to be ascending or descending.
- **Filter by:** Select the filter value with specified filed.
- **Export:** Save the patrol data out to a text file.
- **Print:** Print out the patrol data.
- **Refresh:** Reload the patrol data according to the filter and sort settings.

Reports

Patrol Manager III provides 6 system reports and 19 patrol data reports.

System Reports

To print out the system reports, from *Data/Reports*, click *System Settings Reports*



The 6 system reports are showing as below:

😻 System Settings Reports	
 Check Point Definition Patrolman Definition Event Definition Route Definition Customer Settings 	
Patrol Tour Terminal Definition Preview(Y) Close	<u> </u>

Patrol Data Reports

To print out the system reports, from Data/Reports, click Patrol Data Reports

Data	Patrol <u>M</u> achine	<u>T</u> ool	<u>W</u> nidows	<u>H</u> el	р
	<u>C</u> heck Point Defini	tion		ł i	
	Patrol <u>m</u> an Definitio	m			
	<u>E</u> vent Definition				
	R <u>o</u> ute Definition				
	Patrol Tour <u>T</u> ermin	al Defini	ition		
	C <u>u</u> stomer Settings	•			
	Reports		•		System Settings Reports
					Patrol Data Reports

User Information

The report title is able to include the company and address of user information.

😻 Information	
Information	
User:	
Company:	GIGA-TMS
Address:	<u> </u>
Zip:	
City:	
State/Province:	
Country:	
Phone Number:	
Fax Number:	
Remark:	
	Save

Logout

After logging out, it is able to switch another user.



Appendix I – Question & Answer

Question: Does this software install in the 64bit system? Answer: No.

Question: If I already install the older patrol manager. Should I remove it then install the new version?
Answer: No, you shouldn't. You can install direct the new version.
Question: Why does download fail?
Answer: Maybe you don't have install the driver or celest error com part or machine.

Answer: Maybe you don't have install the driver or select error com port or machine power is off.

Appendix II- SQL Server allow remote connections

Step1

Please use SQL Server Manager to record SQL Server, then Server presses down the mouse right key spot to choose the attribute.

27 2X = Y @	
 CHRIS-Z1UGEWH Databases Databases Security Server Objec Replication Management 	Connect Disconnect Register New Query Start Stop Pause Resume Restart Reports Refresh
	Properties

Step2

After will record the pattern changes "SQL Server and the Windows confirmation pattern", presses down the determination.



Step3

Begins using and establishes the password the sa account number

🧏 Microsoft SQL Server M	🚪 Login Properties - sa	
<u>File E</u> dit <u>V</u> iew <u>T</u> ools	Select a page	🔄 Script 👻 📑 Help
😟 <u>N</u> ew Query 📑 💦	🚰 General	
Object Explorer	Server Holes	Settings
🛃 🛃 🔳 🔟 😰	😭 Status	Permission to connect (
🗉 🚺 CHRIS-Z1UGEWH7O\S		Grant
🛨 🚞 Databases		C Denu
		i <u>D</u> eny
BUILTIN\A		Login:
😹 BUILTIN\U		• Enabled
🌆 CHRIS-Z11		O Disabled
A NT AUTHO		D Mabioa
	1	_

Step4

- 1. Click **Start**, point to **Programs**, point to **Microsoft SQL Server 2005**, point to **Configuration Tools**, and then click **SQL Server Surface Area Configuration**.
- 2. On the SQL Server 2005 Surface Area Configuration page, click Surface Area Configuration for Services and Connections.
- On the Surface Area Configuration for Services and Connections page, expand Database Engine, click Remote Connections, click Local and remote connections, click the appropriate protocol to enable for your environment, and then click Apply.

Note Click OK when you receive the following message:

Changes to Connection Settings will not take effect until you restart the Database Engine service.

4. On the Surface Area Configuration for Services and Connections page, expand Database Engine, click Service, click Stop, wait until the MSSQLSERVER service stops, and then click Start to restart the MSSQLSERVER service.

Step5

- 1. Click Start, point to Programs, point to Microsoft SQL Server 2005, point to Configuration Tools, and then click SQL Server Surface Area Configuration.
- 2. On the SQL Server 2005 Surface Area Configuration page, click Surface Area Configuration for Services and Connections.

3. On the Surface Area Configuration for Services and Connections page, click SQL Server Browser, click Automatic for Startup type, and then click Apply.

Note When you click the **Automatic** option, the SQL Server Browser service starts automatically every time that you start Microsoft Windows.

4. Click **Start**, and then click **OK**.

Completes above step SQL Server to allow the far-end on the possibility to record and uses the sa account number to record