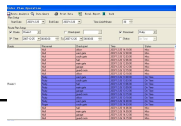
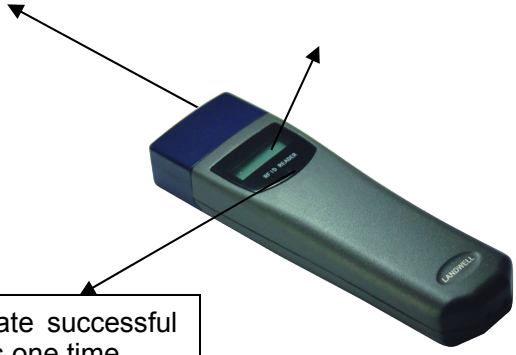
INSTRUCTION
FOR GUARD TOUR SYSTEM L-3000EF-2

1. System Component and Specification

1	Model Name	Specification
	Reader L-3000EF-2	**Material**: durable and high quality alloy metal case
		Dimension:147mm*40mm*20mm
		Storage Temperature: -20℃ - +70℃
		Memory: America Original FLASH
		Storage capacity: 10000 records
		Communications:USB connection 1200-19.2kbps
		Battery: 3v lithium battery with 700.000 reading times.
2	**Checkpo**	
		Type: EM
		Reading Distance: 2-5cm
		Frequency: 125KHZ **Material**: ABS
		Dimension: Optional
		Thickness:1.2mm
		Environment temperature: -20℃ - +80℃
		Weight:10g
3	**Transmit Cable**	
		Dimension: 1M
		Connection:USB connection
		Operating System: Windows 98, Windows 2000, Window XP, Vista...
4	**Event W**	
		The Event Wallet allows attachment of information to the
		Report. This accessory consists of a leather jacket and 10
		numeric tags. It should be registered different incidents by
		using software. By reading equivalent numeric codes, the
		data can be shown in the report of software.
4	**Management Software**	Different Language choices
		User-friendly desk-top version support win95/98/2000/XP
		Easy to set up checkpoints, personnel, events, route and patrolling plan
		Generate multiple patrolling reports

1. Read tag at this end within 3-5cm.

After reading tag, LCD screen will display the numbers of readings, last four bytes of the tag serial number, and then show the present time. If repeatedly read the same tag within 1 minute, there is nothing display on the screen.



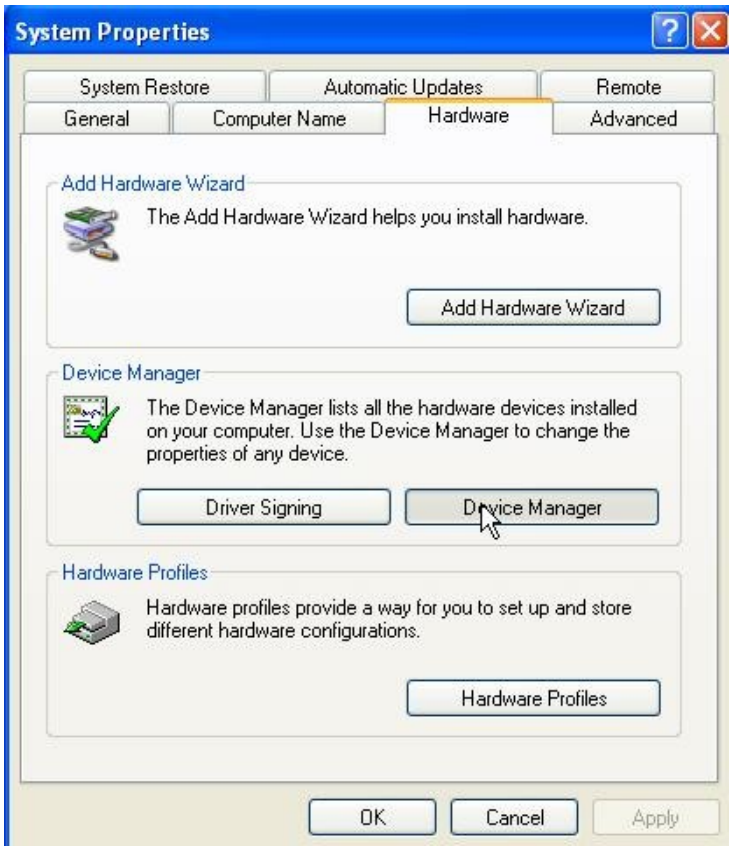
1. The red light flashes 3 times to indicate successful reading, meanwhile; the buzzer sounds one time.
2. There is 1 minute time interval for the same tag reading. If the same tag is read repeatedly within 1 minute, the red light will flash continually and no buzzer sounds.

When data downloading, please first remove the rubber cap and then plug in the small end of special USB cable. The other big end is to connect with computer USB interface.

2. Software Installation

In the software CD, there are software setup and USB drive. First click the software setup to finish the installation according to steps. The default password is 333 and please logs on the software.

And then please connect Reader through special USB cable with computer. Please note there will display “found new hardware” at the right bottom of software main menu. Please click the display to accept the related terms and follow the steps to fulfill the USB drive installation. If it shows USB Device not recognized, please check the My computer---Properties—Hardware—Device Manager—Com &LTP USB to UART Bridge Controller (COM 1, 2, 3…). Please click it and install according to the steps.



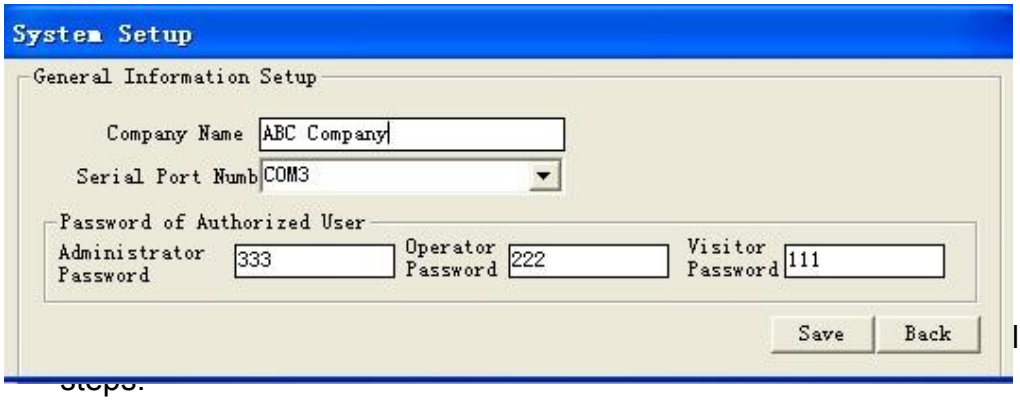
3. Reader Programming

3.1 Model Selection

After log on the software, please first select the right model name, for L-3000EF-2, the corresponding model name is RF model and make sure click “Ok” and then exit the “Model choosing”.

3.2 In the main menu of the software, please first refer to “Resource Setup” which included” Personnel button setup. Checkpoint button setup, Event Setup, Reader Number setup, System setup”.

3.2.1 General Information Setup in the System Setup



llowing steps:

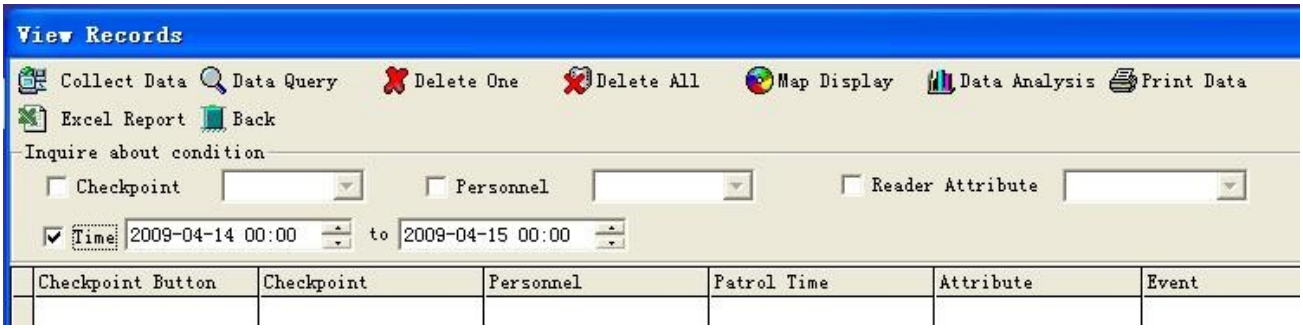
Check My Computer---Properties--Hardware---Device Manager--Com & LTP--CP210+ USB to UART Bridge Controller (COM 1, 2, 3…). This serial Port Number is for L-3000R hardware. Please choose the corresponding number

in the Serial Port Number of System Setup.

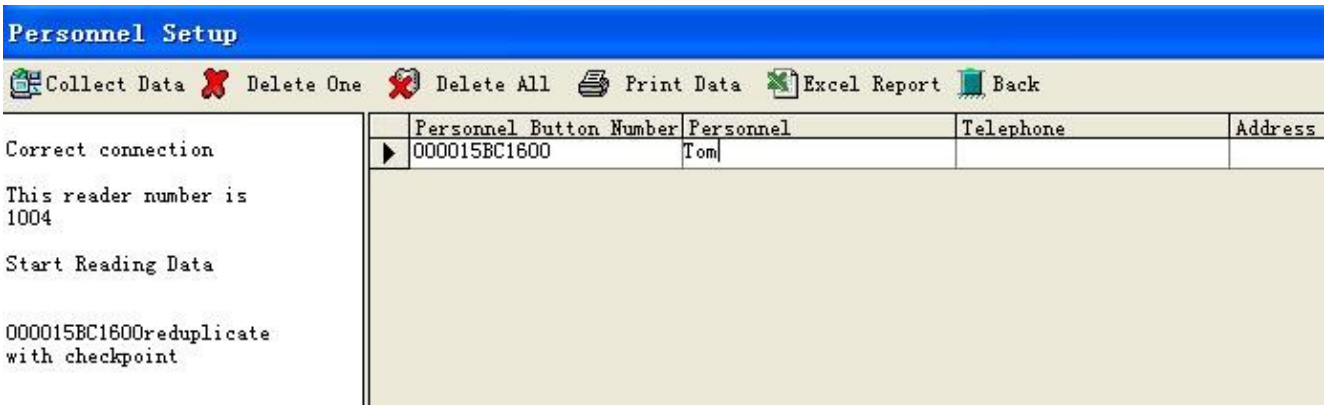
- The Password of Authorized User is default as 111, 222, and 333 accordingly. If necessary, users can also change it. Make sure that click the Save after the operation.

3.2.2 Clear out the history data in the reader

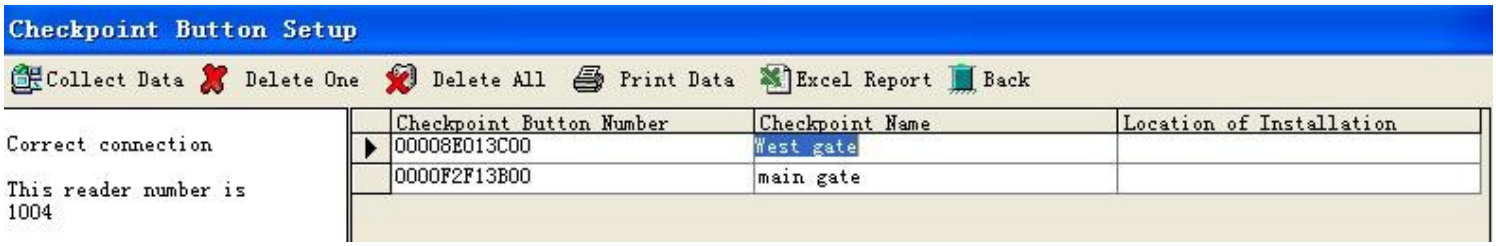
Please click “Data Gathering” in the main menu and click “Collect Data”. The history data will be listed in the form and then click “Back” to exit.



3.2.3 After clearing out the history data, please read the tags which using as Guard ID function. And then download the data into computer, the unique serial number for these tags will be displayed and then input Guards’ name, telephone and address. In order to distinguish the tags, please name each tag with sticker.

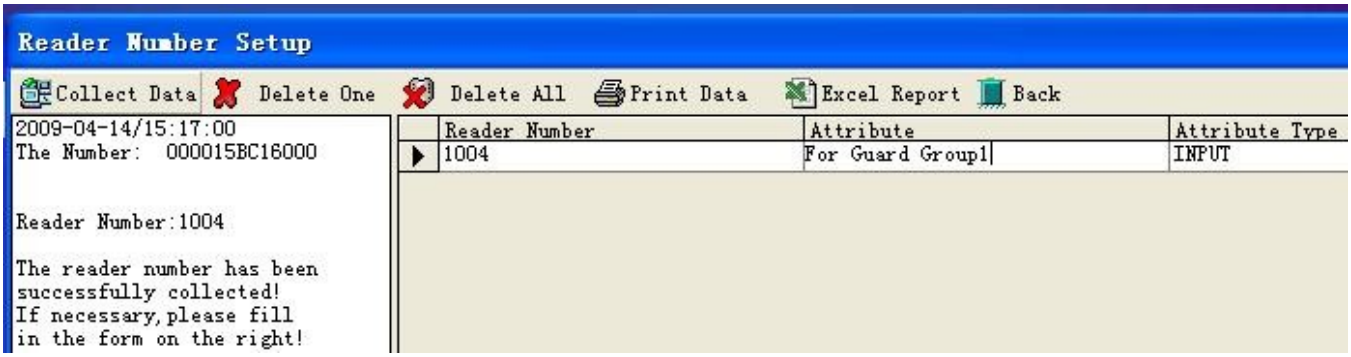


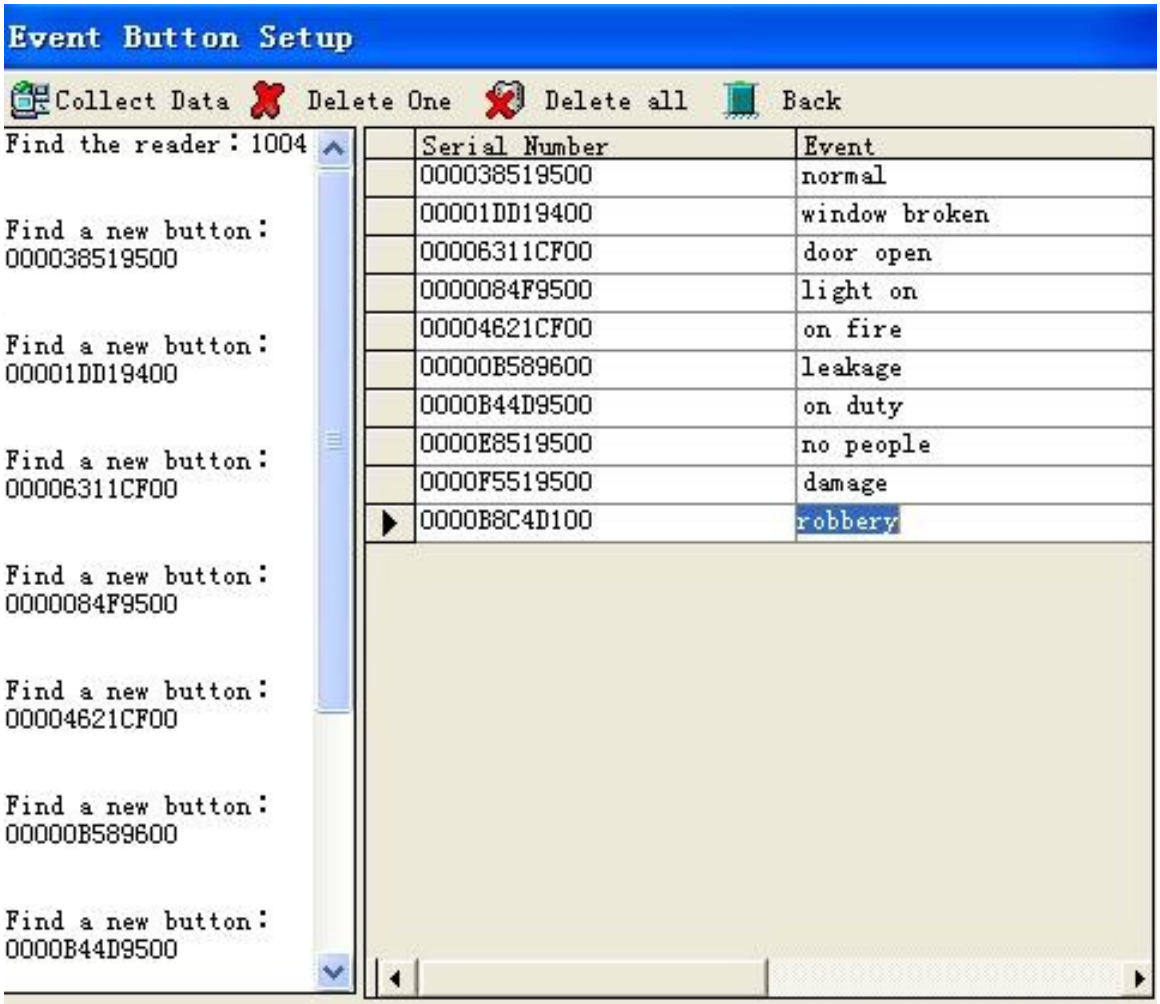
3.2.3 Next please open Checkpoint Button Setup in the Resource Setup. Please read the tags which using as Checkpoints. And then download the data from Reader into computer. The tag information will be listed. Please edit it according the actual needs. In order to distinguish the tags, please name each tag with sticker.



3.2.4 Reader Number Setup

For each Reader, there is a unique Reader serial number. Please click “Collect Data”, the Reader Number will be listed in the right form. It can be registered by editing the “Attribute”.

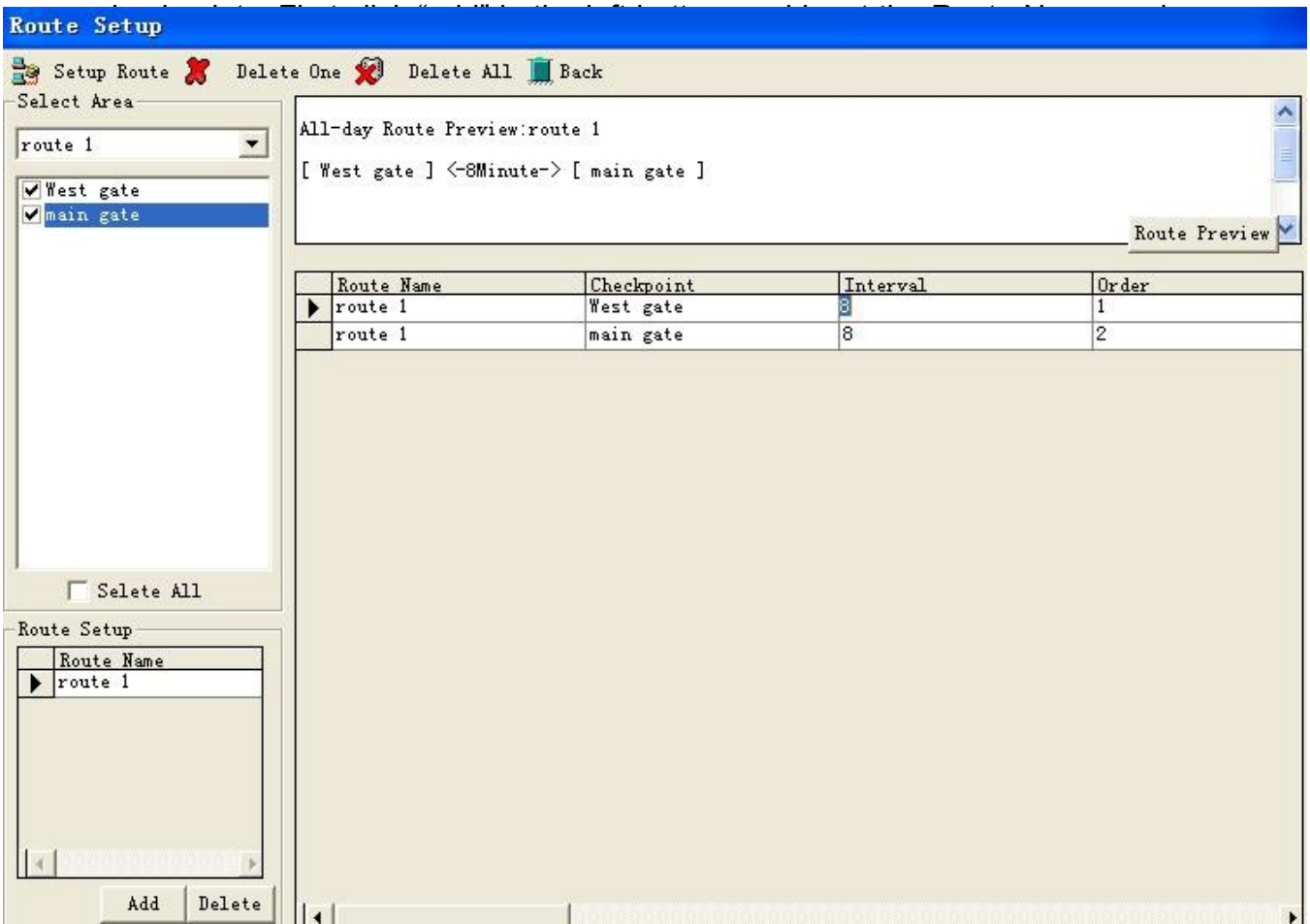




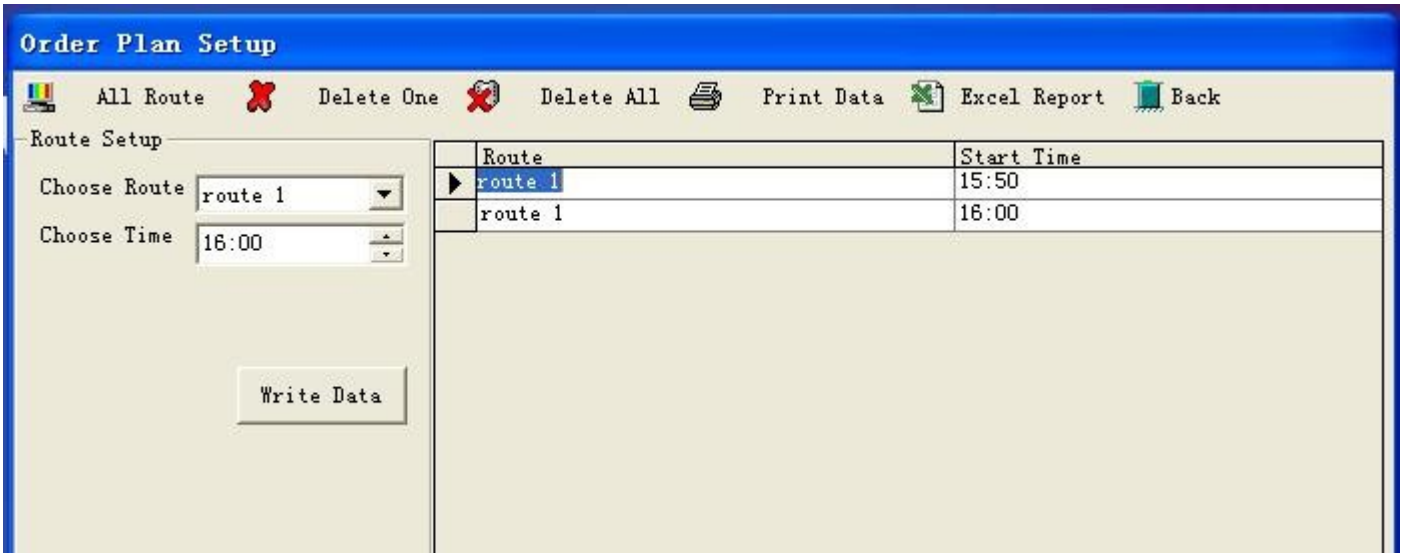
3.3 Function Setup

Please refer to the Function Setup in the main menu, which including Route Setup, Order Plan Setup, Inorder Plan Setup and Multi-day Plan Setup.

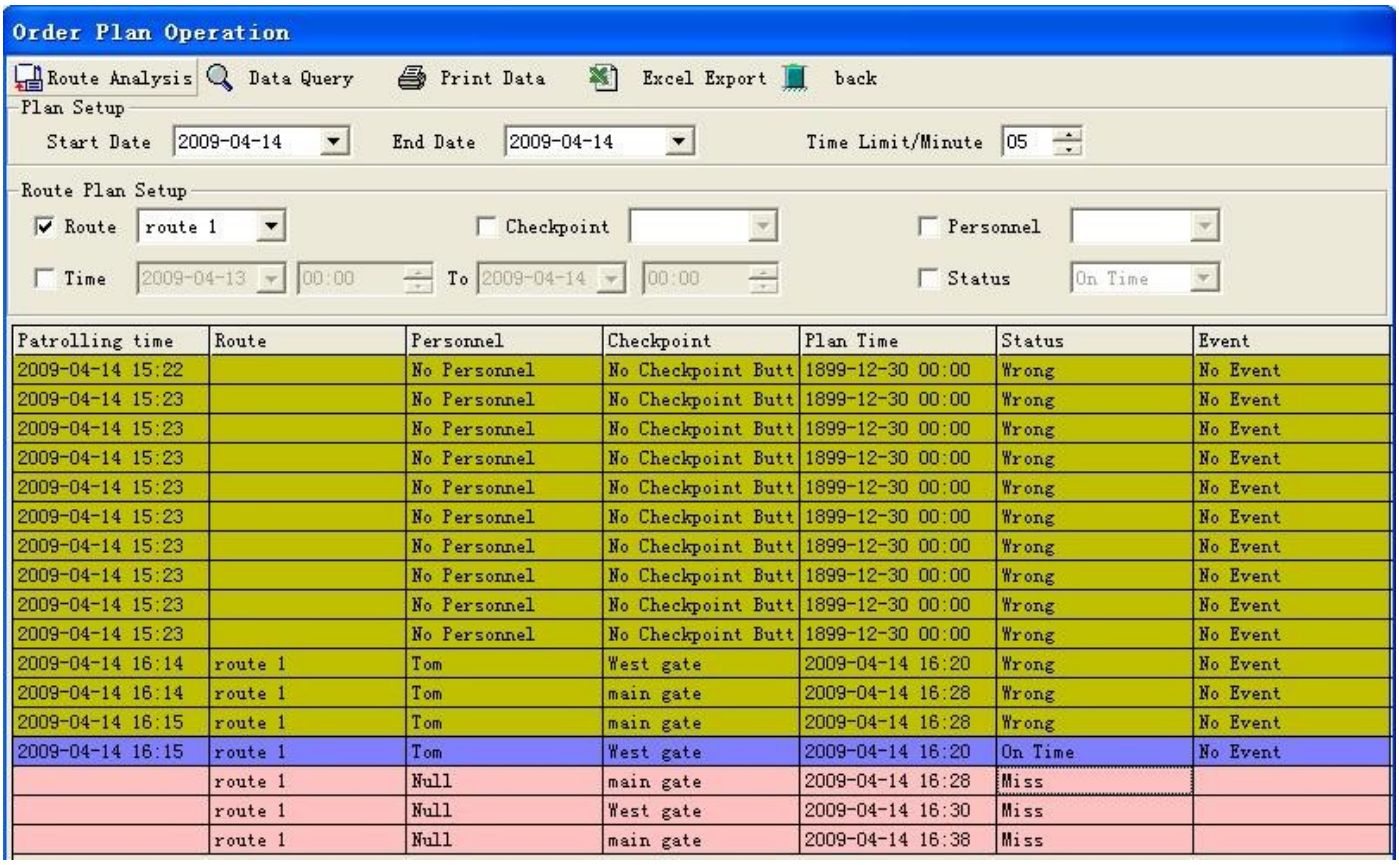
3.3.1 Route Setup indicates the patrol loop which including the setup



3.3.2 Order Plan Setup is most commonly used. First, please click "▼" to select Route Name. And choose the start time for each patrol loop. Order Plan require the sequence for checkpoints and Guard must go to every checkpoint in sequence. If not follow the sequence, the report will show "Wrong Order". If want to delete the data, please first click the line, and it will be turned blue and then click "Delete one". If want to delete all data, please just click "Delete All".



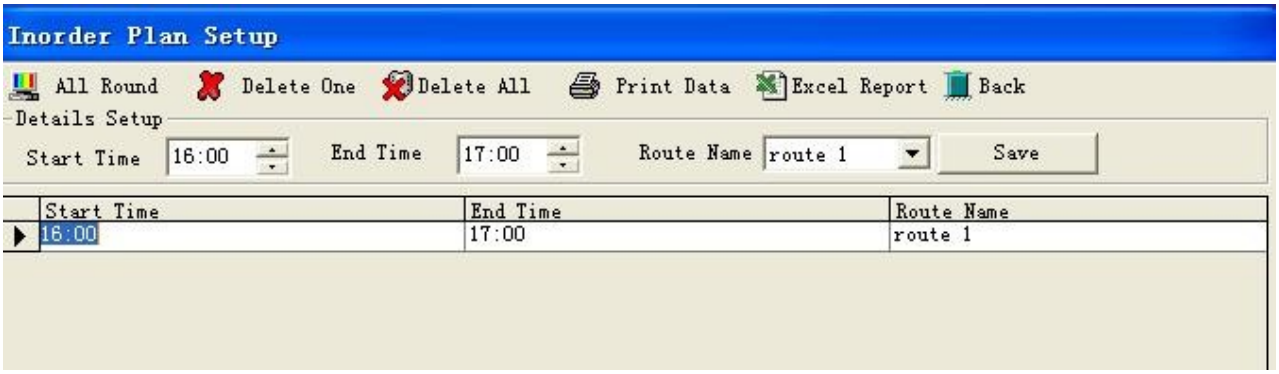
3.3.3 After finish all the setup, the hardware and software programming is done. The Guard can use this system to do patrolling work. First, the guard read the Guard ID tag and then goes to each checkpoint according the setup plan. The data downloading can be done according to actual situation. When downloading, please first click “Data Gathering-Collect Data” and check the data. If want to check the performance for “Order Plan Setup”, please click the Order Plan Operation in the main menu, and then choose the correct Start Date, next click Route Analysis”. The operation for this plan will be listed. There are also several conditions for filtering if needed such as by Route, Checkpoint, and personnel etc.



Patrolling time	Route	Personnel	Checkpoint	Plan Time	Status	Event
2009-04-14 15:22		No Personnel	No Checkpoint Butt	1899-12-30 00:00	Wrong	No Event
2009-04-14 15:23		No Personnel	No Checkpoint Butt	1899-12-30 00:00	Wrong	No Event
2009-04-14 15:23		No Personnel	No Checkpoint Butt	1899-12-30 00:00	Wrong	No Event
2009-04-14 15:23		No Personnel	No Checkpoint Butt	1899-12-30 00:00	Wrong	No Event
2009-04-14 15:23		No Personnel	No Checkpoint Butt	1899-12-30 00:00	Wrong	No Event
2009-04-14 15:23		No Personnel	No Checkpoint Butt	1899-12-30 00:00	Wrong	No Event
2009-04-14 15:23		No Personnel	No Checkpoint Butt	1899-12-30 00:00	Wrong	No Event
2009-04-14 15:23		No Personnel	No Checkpoint Butt	1899-12-30 00:00	Wrong	No Event
2009-04-14 15:23		No Personnel	No Checkpoint Butt	1899-12-30 00:00	Wrong	No Event
2009-04-14 15:23		No Personnel	No Checkpoint Butt	1899-12-30 00:00	Wrong	No Event
2009-04-14 15:23		No Personnel	No Checkpoint Butt	1899-12-30 00:00	Wrong	No Event
2009-04-14 16:14	route 1	Tom	West gate	2009-04-14 16:20	Wrong	No Event
2009-04-14 16:14	route 1	Tom	main gate	2009-04-14 16:28	Wrong	No Event
2009-04-14 16:15	route 1	Tom	main gate	2009-04-14 16:28	Wrong	No Event
2009-04-14 16:15	route 1	Tom	West gate	2009-04-14 16:20	On Time	No Event
	route 1	Null	main gate	2009-04-14 16:28	Miss	
	route 1	Null	West gate	2009-04-14 16:30	Miss	
	route 1	Null	main gate	2009-04-14 16:38	Miss	

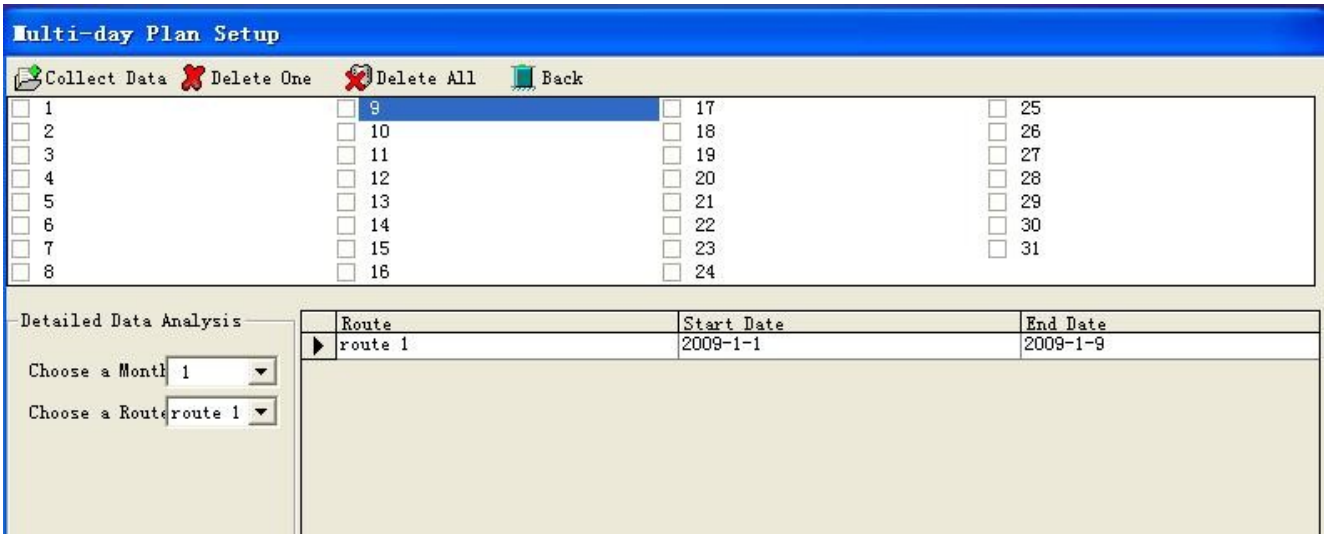
3.3.4 Inorder Plan Setup is another choice for patrolling work. It is not requiring the sequence and only check whether the guard has ever been

there within the required time period. First click to select “Route Name” and choose Start Time and End Time. Next click “Save”. The data will be shown in the form. The performance for Inorder Plan Setup needs to check in the Inorder Plan Operation.



3.3.5 Besides Order Plan Setup and Inorder Plan Setup, there is Multi-day Plan setup in the “Function Setup”. It is applied in the long route patrolling work which need more than one day to fulfill.

First choose the Month and Route Name by click respectively. Please tick the Start Date and End Date and then click “Collect Data”. The Multi-day Plan Operation in the main menu will analyze the work performance.



Please note that user can only choose one type of these three plan setup. They can’t be worked compatibly.

3.3 Data Operation in the main menu is including database backup, database comeback and data initialization.

3.3.1 Database backup is easy to operate by storing the data in the any directory.

3.3.2 Database comeback is for data restoring function.

3.3.3 Data initialization is for all the data initializing.

Hope the instruction can help you for guard tour system application.

Thanks for your attention.